

A
LIST OF PATENTS

GRANTED BY

THE UNITED STATES

FROM

APRIL 10, 1790, TO DECEMBER 31, 1836,

WITH

AN APPENDIX

CONTAINING

REPORTS ON THE CONDITION OF THE PATENT-OFFICE
IN 1823, 1830, AND 1831.

FAC SIMILES OF ORIGINAL DOCUMENTS

BY

PHOTOLITHOGRAPHY.

EXECUTED UNDER THE DIRECTION OF THE COMMISSIONER OF PATENTS.

WASHINGTON:
1872.

1

LETTER

FROM THE

SECRETARY OF STATE

ACCOMPANIED WITH

A LIST OF THE NAMES OF PERSONS

WHO HAVE INVENTED

ANY NEW AND USEFUL

ART, MACHINE, MANUFACTURE

OR

COMPOSITION OF MATTER,

OR

ANY IMPROVEMENT THEREON,

AND TO WHOM

PATENTS HAVE ISSUED

FOR

THE SAME,

FROM THE OFFICE OF THE

DEPARTMENT OF STATE,

With the dates and general objects of such patents, in pursuance of a resolution of the House of the 23d ultimo.

22d FEBRUARY, 1805.

Read and ordered to lie on the table.



DEPARTMENT OF STATE,

February 18, 1805.

SIR,

IN pursuance of the resolution of the House of Representatives of the United States, dated the 23d of January last, I have the honor of transmitting a list of the names of persons, who have invented any new and useful art, machine, manufacture or composition of matter, or any improvement thereon, and to whom patents have issued for the same from this office, with the dates and general objects of such patents.

I have the honor to be,

SIR,

With the greatest respect,

Your obedient servant, &c.

JAMES MADISON.

TO THE HON.

*The SPEAKER of the House of
Representatives of the United States.*

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|---|----------------------------------|-----------------------|
| MAKING POT and PEARL ASHES, | Samuel Hopkins, | July 31st, 1790. |
| Manufacturing candles, | Joseph Stacey Sampson, | August 6th, 1790. |
| Flour and meal, | Oliver Evans, | December 18th, 1790. |
| Punches for types, &c. &c. | Francis Baily, | January 29th, 1791. |
| Improvement in distilling, | Aaron Putnam, | January 29th, 1791. |
| Driving piles for bridges, | John Stone, | March 10th, 1791. |
| Threshing grain and corn, machine for, | Samuel Mulliken, | March 11th, 1791. |
| Breaking and swingling hemp, &c. | Samuel Mulliken, | March 11th, 1791. |
| Machine for cutting and polishing marble, &c. | Samuel Mulliken, | March 11th, 1791. |
| Raising a nap on cloths, &c. | Samuel Mulliken, | March 11th, 1791. |
| Spinning flax, hemp, &c. | George Parkinson, | March 17th, 1791. |
| Improvement in tide mills, | Jonathan Dickerson, | July 30th, 1791. |
| Mashine for making nails, | Saml. Briggs, sen. & jr. | August 2d, 1791. |
| for threshing wheat, &c. | William Thomson, | August 2d, 1791. |
| Diminishing the friction of spindles, | Robt. R. Livingston, | August 4th, 1791. |
| Making the extract of barks, | John Biddis & Thomas Bedwell, | August 10th, 1791. |

Subjects of the Patents.

Names of the Patentees.

Dates of the Patents.

Improved bedstead,
 Manufacturing boots,
 Propelling boats by cattle,
 Manufacturing gunpowder,
 Horizontal hollow water wheel for mills,
 Improvement of Dr. Barker's mill,
 Improved mode of working mills,
 Improvement of Savary's steam engine,
 Bellows,
 Generating steam,
 Propelling boats or vessels,
 Propelling boats, &c. by steam, &c.
 Improved boiler of the steam engine,
 Improvement in distilling,
 Boiler for generating steam,
 Improvement in captain Savary's steam
 engine,
 Application of steam to work bellows,

Ludwig Conrad Kuhn,
 Peter Gordon,
 Henry Voight,
 Henry Keyser,
 James Macomb,
 James Rumsay,
 James Rumsay,
 James Rumsay,
 James Rumsay,
 James Rumsay,
 James Rumsay,
 John Fitch,
 Nathan Read,
 Nathan Read,
 John Stevens, jun.

 John Stevens, jun.
 John Stevens, jun.

August 10th, 1791.
 August 10th, 1791.
 August 10th, 1791.
 August 10th, 1791.
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 August 26th, 1791.

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|---|--|--|
| <p>Improvement of Savary's steam engine, Machine for cleaning docks or harbours, for spinning cotton, Cleansing whale oil, Spinning and twisting thread, Steam Jack, Hardening and tempering steel, Improvement in making bricks, Canvas conductor to be used when houses are on fire, Weaving of wire,</p> | <p>Englehart Cruse, Peter Zacharie, William Pollard, Benjamin Folger, Obadiah Herbert, John Bailey, David Hartley, David Ridgeway,</p> | <p>August 26th, 1791. November 24th, 1791. December 30th, 1791. January 2d, 1792. January 28th, 1792. February 23d, 1792. February 24th, 1792. March 7th, 1792.</p> |
| <p>Machine for sawing wood and bark, Preservation of plants from frost, &c. Machine called "The wheel of knives," for shearing & raising the nap on cloths, Hand-mill for picking millstones,</p> | <p>Samuel Green, Timothy Kirk and Robert Leslie, Thomas Farrington, George Morris, Samuel G. Dorr Solomon Hodge and Jonathan Dorr,</p> | <p>March 23th, 1792. May 9th, 1792. May 9th, 1792. July 10th, 1792. October 20th, 1792. October 23d, 1792.</p> |

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|---|---|-----------------------|
| Improved machine for manufacturing tobacco, | James Caldwell and Christopher Batterman, | January 26th, 1793. |
| Improvement in wind-mills, | Joseph Pope, | January 26th, 1793. |
| Manufacturing bricks, | Christopher Colles, | January 26th, 1793. |
| Improved mode of turning a spit, | Samuel Morey, | January 29th, 1793. |
| Double pendulum for ships, | Robert Leslie, | January 30th, 1793. |
| Clock pendulum, | Robert Leslie, | January 30th, 1793. |
| Double pendulum, | Robert Leslie, | January 30th, 1793. |
| Manufacturing oiled silk and linen, &c. | Ralph Hodgson, | February, 1st. 1793. |
| Manufacturing rhus or sumach, | Richd. Rosewell Saltonstall | February 28th, 1793. |
| Improvement in paper moulds, | John Carnes, jun. | April 11th, 1793. |
| Furnace for pot and pearl ashes, | Edward Ryan, | April 29th, 1793. |
| Moulds for claying sugar, | Jonathan Williams, jun. | March 13th, 1793. |
| Manufacturing rhus or sumach, | Richd. Rosewell Saltonstall | May 1st, 1793. |
| Stove of cast iron, | Robert Heterick, | June 11th, 1793. |

NOTE. The patents of Apollos Kinsley and Robert Leslie are omitted here, and placed in the record after September 24th, 1794.

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|--|-------------------------|-----------------------|
| Applying and regulating the sails of ships, boats, &c. | Joseph Stacey Sampson, | July 5th, 1793. |
| Manufacturing brick and pantile, | Samuel Brouwer, | August 17th, 1793. |
| Machine for propelling vessels, &c. | Abijah Babcock, | December 2d, 1793. |
| Disputed claim for a machine to work in a current of water, &c. decided in favor of John Clarke, | Daniel Stansbury, | December 31st, 1793. |
| Manufacturing nails, | Apollos Kinsley, | February 7th, 1794. |
| Weaving and beating sail duck, | John Clarke, | February 14th. 1794. |
| Impt. in distilling spirituous liquors, | Thomas Perkins, | March 4th, 1794. |
| Round saw, | James Davenport, | March 14th, 1794. |
| Machine for ginning cotton, | Joseph Simpson, | March 14th, 1794. |
| Mode of preventing the progress of fire, | Zachariah Cox, | March 23d, 1794. |
| Impt. in manufacturing paper, &c. | Eli Whitney, | March 31st, 1794. |
| Composition for flooring houses, &c. | Benjamin Taylor, | April 12th, 1794. |
| Impt. in carriages, to be propelled by the mechanical powers, | John Biddis, | April 25th, 1794. |
| Machine for threshing grain, &c. | Richard Robotham, | April 28th, 1794. |
| | John J. Staples, | |
| | William Hodgson, | |

Subjects of the Patents.

Names of the Patentees.

Dates of the Patents.

Construction of bellows,
 Manufacturing of candles,
 Manufacturing cordage,
 New mode of grinding bark,
 Impt. in the method of working pumps,
 Improvement in a steam still,
 New mode of propelling vessels,
 Mode of making salt,
 Improvement in making bricks,
 Construction and tone of bells,
 Improvement in Hydraulics,
 Improvement in a threshing machine,
 Improvement in stills,
 Tempering mortar and making bricks,
 Machine for cutting nails,
 Impt. in the mode of breaking hemp & flax,
 Impt. in shearing woolen and other cloths,
 Machine for cutting nails,

James Drake,
 Richard Robotham,
 George Parkinson,
 John Markley,
 Elisha Rigg,
 Alexander Anderson,
 Benjamin Wynkoop,
 James Fennel,
 Apollos Kinsley,
 Robert Leslie,
 Joshua Hatheway,
 James Wardrop,
 John Kincaid,
 Apollos Kinsley,
 Jacob Perkins,
 Samuel Mulliken,
 Samuel Kellogg,
 Josiah G. Peerson,

May 19th, 1794.
 June 2d, 1794.
 June 16th, 1794.
 July 19th, 1794.
 July 29th, 1794.
 September 2d, 1794.
 September 13th, 1794.
 September 24th, 1794.
 February 1st, 1793.
 February 2d, 1793.
 October 29th, 1794.
 November 5th, 1794.
 November 25th, 1794.
 December 20th, 1794.
 January 16th, 1795.
 January 15th, 1795.
 January 31st, 1795.
 March 23d, 1794.

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|--|---|--|
| <p>New mode of catching Fish, Impt. in the application of steam, Construction of a cabouse, Impt. in the manufacturing of cordage, Improvement in propelling boats, Propelling boats, &c. with horses, Nautical Ventilators, Tinn'd sheet copper condensing worm, Improvement in making nails, Impt. in sawing and polishing marble, &c. Manufacturing seal skins, Removing pains, &c. by metallic points, Raising water by wind, Machine for cleaning wheat, &c. &c. Improvement in tanning leather, Impd. mode of forming a yellow color, Composition of "<i>bilious pills</i>," Machine for cutting nails and brads,</p> | <p>Joseph Ellicott, Samuel Morey, John Youle, John Pitman, Daniel Keller, William Peter Sprague, Benjamin Wynkoop, John Taylor, Jared Byington, Jonathan Dickerson, James Eaton, Elisha Perkins, Samuel Morey, Benjamin Tyler, James Davis, Thomas Bedwell, Samuel Lee, jun. Peter Zacharie,</p> | <p>March 25th, 1795. March 25th, 1795. May 25th, 1795. May 25th, 1795. May 25th, 1795. June 19th, 1795. June 19th, 1795. June 30th, 1795. January 15th, 1796. January 9th, 1796. February 16th, 1796. February 19th, 1796. April 11th, 1796. April 15th, 1796. April 14th, 1796. April 20th, 1796. April 30th, 1796. May 4th, 1796.</p> |

Subjects of the Patents.

Names of the Patentees.

Dates of the Patents.

Impt. in manufacturing sumach,
 Improvement in bolting-cloths,
 Improvement in the cotton gin,
 Cleaning clover and other seeds, &c.
 Improvement in piano fortes,
 Improvement in burr mill stones,
 New invented steam engine and boiler,
 Stays for removing distortions in the spine,
 Improvement in sawing and polishing marble, &c.
 Machine for scouring rice and other grain,
 Improvement in making salt,
 Improvement in manufacturing pot ash,
 Improvement in concentrating the volatile parts of calcareous earth, stones, &c.
 Improvement in manufacturing cut nails,
 Machine for heading and cutting nails,
 Improvement in a printing press,

Joseph Hillard,
 Robert Dawson,
 Hodgen Holmes,
 Jonathan Roberts, jun.
 James Sylvanus M'Lean,
 Oliver Evans,
 Elijah Backus,
 Lunden M'Kechnie,

Joseph Francis Mangin,
 Robert Grant,
 George James,
 Edward Ryan,

John Fowler,
 Peter Cliff,
 Isaac Garretson,
 Apollos Kinsley,

May 12th, 1796.
 May 12th, 1796.
 May 12th, 1796.
 February 13th, 1796.
 May 27th, 1796.
 May 28th, 1796.
 May 31st, 1796.
 July 1st, 1796.

July 2d, 1796.
 October 17th, 1796.
 November 16th, 1796.
 November 16th, 1796.

November 16th, 1796.
 November 16th, 1796.
 November 16th, 1796.
 November 16th, 1796.

Subjects of the Patents.

Names of the Patentees.

Dates of the Patents.

| | | |
|---|-----------------------|----------------------|
| Improvement in splitting sheep skins, | James Stansfield, | November 16th, 1796. |
| New method of ruling books and paper, | Mark Isambard Brunel, | November 16th, 1796. |
| Improvement in pumps, | Theobald Bourke, | November 16th, 1796. |
| Manufacturing pot ash, | William Frobisher, | November 17th, 1796. |
| Improvement in forging bolts and round iron, | Clement Rentgin, | November 17th, 1796. |
| Improvement in a loom for weaving cloth, | Amos Whittemore, | November 17th, 1796. |
| A "preambulator" for measuring a ship's way, | Amos Whittemore, | November 19th, 1796. |
| Machine for cutting nails, | Amos Whittemore, | November 19th, 1796. |
| Improvement in manufacturing nails, | John Bigelow, | November 19th, 1796. |
| Improvement in cutting and heading nails, &c. | George Chandlee, | December 12th, 1796. |
| Conjurer for cooking and boiling, | Thomas Passmore, | December 23d, 1796. |
| Improvement in manufacturing cut nails, | Daniel French, | December 23d, 1796. |
| Improvement in manufacturing wrought nails, | Daniel French, | December 23d, 1796. |
| Improvement in heading nails, | Jared Byington, | December 23d, 1796. |

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|---|-------------------------|-----------------------|
| Improvement in heading nails, | Jason Frost, | December 23d, 1796. |
| Machine for separating scoured rice, | James Dellet, | December 23d, 1796. |
| Improvement in ginning cotton, | Robert Watkins, | December 23d, 1796. |
| Improvement in ginning cotton, | John Murray, | December 23d, 1796. |
| Improvement in making soap, | John Nazro, | January 6th, 1797. |
| Extracting alkali from marine salt, and kelp, | John Nazro, | January 6th, 1797. |
| Improvement in bridges, | Charles Wilson Peale, | January 21st, 1797. |
| Improvement in cutting and heading nails, | James Spence, | February 16th, 1797. |
| Improvement in cutting and polishing marble, &c. | Joseph F. Mangin, | February 16th, 1797. |
| Improvement in stoves, | James M'Callmont, | February 20th, 1797. |
| Improvement in scouring or skinning rice, | Samuel Mulliken, | February 20th, 1797. |
| Improvement in chimneys, | Richardson Stuart, | February 24th, 1797. |
| Improvement in bridges, | John Fowler, | February 24th, 1797. |
| Improvement in cutting and heading nails, | Jesse Kersey, | February 24th, 1797. |
| Improv't. in mixing colours and painting, | Lawrence Allwine, | February 24th, 1797. |
| Improvement in stoves, | Thomas Hirst, | March 11th, 1797. |
| Machine for threshing wheat, &c. | William Booker, | March 11th, 1797. |

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|--|--|--|
| <p>Improvement in a tide water wheel, Improvement in washing cloaths, Improvement in stoves, Improvement in fire engines, Improvement in boring pumps, Combinn. of astringt. woods and vegeta- bles, in distilling, &c. Improvement in propelling boats and ves- sels, by steam engines, Improvement in propelling carriages. Antibilious pills, Improvement in constructing and rigging vessels, Improvement in bridges, Improvement in manufacturing wool-cards, &c. Improvement in looms, Raising a nap on cloths.</p> | <p>Silas Betts, Nathaniel Briggs, Caleb Wheaton, Jesse Kersey, Caleb Leach, Fitch Hall, Jehoshaphat Starr, William Faris, Benjamin Duval, Isaac Garretson, John Stickney, Amos Whittemore, David Grieve, Walter Burt,</p> | <p>March 18th, 1797. March 28th, 1797. March 29th, 1797. April 13th, 1797. April 13th, 1797. April 17th, 1797. April 28th, 1797. April 29th, 1797. May 3d, 1797. May 29th, 1797. June 3d, 1797. June 5th, 1797. June 8th, 1797. June 23d, 1797.</p> |

Subjects of the Patents.

Names of the Patentees.

Dates of the Patents.

Rollers for slitting and other mills, for
 rolling iron,
 Improvement in straitening iron hoops,
 Pendulous bellows, for pumping ships,
 Improvement in making candles,
 Improvement in ploughs,
 Mode of preserving butter,
 Improvement in forming bricks, tiles, &c.
 Improvement in extracting teeth,
 Improvt. in making shingles, boards, &c.
 Improvement in cutting tobacco,
 Improvement in cutting and heading nails,
 Improvement in saw-mills,
 Improvement in mills,
 Improvement in fire places,
 Improvement in saddles,
 Improvement in breaking dough and paste,
 Improvement in threshing grain,

Benjamin Seymour,
 Benjamin Seymour,
 Benjamin Wynkoop,
 Joseph Stacey Sampson,
 Charles Newbold,
 Moses Johnson,
 John Hawkins,
 Thomas Bruff,
 Bill Jarvis,
 Apollos Kinsley,
 Jonathan Nevill,
 Henry Dulheuer,
 Jonathan W. Curtiss,
 Charles Wilson Peale,
 Thomas Stickney,
 Daniel Pettibone,
 Richard R. Eliot,

June 26th, 1797.
 June 26th, 1797.
 June 26th, 1797.
 June 26th, 1797.
 June 26th, 1797.
 June 30th, 1797.
 July 11th, 1797.
 July 1st, 1797.
 July 8th, 1797.
 August 12th, 1797.
 August 12th, 1797.
 August 18th, 1797.
 August 24th, 1797.
 November 16th, 1797.
 November 16th, 1797.
 November 16th, 1797.
 November 16th, 1797.

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|---|-------------------------|-----------------------|
| Improvement in clocks, time-keepers, and watches, | Eli Terry, | November 17th, 1797. |
| Improvement in making window sashes, | Stephen Parsons, | November 20th, 1797. |
| Machine for propelling boats, | John Martin, | November 21st, 1797. |
| Improvement in bridges, | Timothy Palmer, | December 17th, 1797. |
| A spiral wheel for working in tide water, | Elias Ring, | December 10th, 1797. |
| A soap-stone stove, | William Payne, | December 10th, 1797. |
| Improvement in making nails, | Lester Fling, | December 19th, 1797. |
| Machine for cutting and heading nails, | Nathan Read, | January 8th, 1798. |
| Improvement in grinding coffee, | Thomas Bruff, senr. | January 8th, 1798. |
| Machine for printing paper, leather, &c. | John Dixey, | January 24th, 1798. |
| Improvement in cutting and pointing comb-teeth, | Isaac Tryon, | February 22d, 1798. |
| Improvement in wind-mills, | Charles Holden, | March 15th, 1798. |
| Machine for dipping candles, | Samuel Blydenburg, | March 22d, 1798. |
| Steam saw-mill, | Robert M'Kean, | March 24th, 1798. |
| Mill for sawing boards, | Aaron Clarke, | March 30th, 1798. |
| Screw engine for throwing water, | Elijah Ormsbee, | March 21st, 1798. |

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|--|--|-----------------------|
| Improvement in raising water from fountains, | John Manning, | April 10th, 1798. |
| Regulating the action of the tide on his spiral wheel, | John Martin, | April 27th, 1798. |
| Machine for raising water, | Mark Isambard Brunel, | April 27th, 1798. |
| Machine for removing rocks, &c. | Isaac Lazell, | May 18th, 1798. |
| A double steam engine, | James Smallman and Nicholas J. Roosevelt, | May 31st, 1798. |
| Machine for threshing wheat, &c. | Thomas C. Martin, | June 2d, 1798. |
| Machine for propelling vessels, | Charles Stoudinger, | June 2d 1798. |
| Water wheel Flume for large streams, | Walter Brewster, | June 7th 1798. |
| An oblique pump, | Jonathan Hunt, | June 7th, 1798. |
| "A tallow lamp," | John Love, | June 11th, 1798. |
| A composition for pills, | Samuel Cooley, | June 6th, 1798. |
| Improvement in stoves, | John W. Godfrey, and William Lane, | July 14th, 1798. |
| Method of preserving vessels, &c. from worms, | Raphaelle Peale, | December 14th, 1798. |

Subjects of the Patents.

Names of the Patentees.

Dates of the Patents.

Improvement in making bread,
 Machine for cutting screws,
 Improvement in manufacturing paper,
 Pipes and pumps for conveying water,
 Machine for clearing docks and harbours,
 for heaving down vessels, raising
 weights, &c.
 Machine for raising water,
 Machine for writing with two pens,
 Method of regulating wind-mills,
 Machine for making nails,
 Machine for manufacturing salt,
 Improvement in a coal stove,
 Machine for cultivating corn, beans, &c.
 for planting do.
 Improvement in a horizontal water wheel,
 Improvement in Steelyards,
 Preparation of steel for cutting glass,

William Banks,
 David Wilkinson,
 Cyrus Austin,
 Mark Reeve,
 Stephen Colver,

 Stephen Colver,
 Joseph Huntley,
 Mark Isambard Brunel,
 Thomas Thompson,
 Seth Hart,
 John Sears,
 Henry Abbott,
 Eliakim Spooner,
 Eliakim Spooner,
 Ezekiel Reed,
 Benjamin Dearborn,
 Benjamin Du Val,

December 14th, 1798.
 December 14th, 1798.
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 December 14th, 1798.
 January 10th, 1799.
 January 17th, 1799.
 January 3d, 1799.
 January 4th 1799.
 January 24th, 1799.
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 January 25th, 1799.
 January 25th, 1799.
 February 14th, 1799.
 February 14th 1799.
 February 14th, 1799.

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|---|-------------------------|-----------------------|
| Improvement in making nails, | Jacob Perkins, | February 14th, 1799. |
| A flax and hemp mill, | Benjamin Tyler, | February 26th, 1799. |
| Improvement in casting iron, | William Hancock, | February 26th, 1799. |
| Extracting oil from cotton seeds, | Charles Whiting, | March 2d, 1799. |
| Improvement in sharpening axes, &c. | John Shotwell,, | March 16th, 1799. |
| A check to detect counterfeits, | Jacob Perkins, | March 19th, 1799. |
| Improvement in propelling boats, | Josiah Shackford, | March 21st, 1799. |
| Machine for dressing cloth, | Isaac Sauford, | March 27th, 1799. |
| Obtaining force from water by steam, | Samuel Morey, | March 27th, 1799. |
| Machine for making combs, | Phineas Pratt, | April 12th, 1799. |
| Improvement in his water engine, | Samuel Morey, | April 24th, 1799. |
| Double-centred mill for wind or water, | Benjamin Dearborn, | April 30th, 1799. |
| New method of cutting clay for tiles, | Andrew W. Duty, | May 8th, 1799. |
| Machine for raising water, | William Faris, | May 17th, 1799. |
| "Machine to keep a ship's distance at sea," | Chester Gould, | May 27th, 1799. |
| Improvement in making ropes, | Michael Wigglesworth, | June 26th, 1799. |
| "Bilious Pills," | Samuel H. P. Lee, | June 26th, 1799. |
| Improvement in washing cloaths, | Ezra Weld, | June 26th, 1799. |

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|---|-------------------------|-----------------------|
| Napping hats, | James Long, | August 5th, 1799. |
| Purifying spermaceti oil, | Richard Robotham, | August 14th, 1799. |
| A capstan fire engine, | Samuel Eli Hamlin, | August 30th, 1799. |
| Federal baloon, | Moses M. Farland, | October 28th, 1799. |
| Manufacturing of paper, | Robert R. Livingston, | October 28th, 1799. |
| Universal pump, | Apollos Kinsley, | October 28th, 1799. |
| Boat for descending rapid streams, | Daniel Keller, | November 5th, 1799. |
| Pumps for ships, mines, &c. | John Stickney, | Novem. 29th, 1799. |
| Saw mill, | Thomas Payne, | December 2d, 1799. |
| Extracting oil from Palma Christi, | John G. Gebhard, | February 4th, 1800. |
| Hawks's pills, | John Hawks, | Decem. 14th, 1799. |
| Runners and bows for sleighs and sledges, | Abijah Wilder, | Decem. 14th, 1799. |
| Improvement in mills, | Havilard Chase, | Decem. 16th, 1799. |
| "Effeminate ropery for spinning rope yarn," | John Pitman, | Decem. 24th, 1799. |
| Improvement on stoves and grates, | Oliver Evans, | January 16th, 1800. |
| Machine for spinning rope yarn and twine, | Stephen Gorham, | February 4th, 1800. |
| Composition to preserve wood, brick, &c. | Silas Constant, | February 4th, 1800. |
| Machine for pounding rice, gunpowder, &c. | Benjamin Bolitho, | February 7th, 1800. |

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|--|--|---|
| <p>Metal boxes for wood or iron to turn in, Improvement in piano fortes, Methd. of covering salt vats from the weather, Extracting the essence of sumack, fera, etc. for tanning, Engine for throwing water, Raising or lifting hides in tanning, Improvement in grist mills, Improvement in dying blue, Lathe or loom for weaving, Machine for manufacturing sumack, Improvement in coach collars, Stop cock, Improvement in the manufacture of boots and shoes, Improvemt. in the elastic truss for ruptures, Engine for reducing silk, cotton, worsted,</p> | <p>William Shotwell, John J. Hawkins, Hattil Killey, 2d, Nathaniel Ladd, Patrick Lyon, James Cox, Benjamin Tyler, John Percy, William Harris, Comfort Hoyt, jun. William Hottensteen, Peter Walker, Dean Howard, Silas Stone,</p> | <p>February 7th, 1800. February 12th, 1800. February 12th, 1800. February 12th, 1800. February 12th, 1800. February 20th, 1800. February 20th, 1800. March 3d, 1800. March 15th, 1800. April 7th, 1800. April 10th, 1800. April 10th, 1800. April 10th, 1800. May 6th, 1800.</p> |

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|--|--|--|
| cloth, and to their original state to be manufactured, | John Biddis, Simeon Jocelin, | May 6th, 1800. May 8th, 1800. |
| Silent moving time keeper, Improvements in the construction of ships and vessels, | Jeremiah Brown, George Hadfield, Edward West, Thomas O. Harrison, | May 14th, 1800. May 15th, 1800. May 19th, 1800. May 19th, 1800. |
| Machine for making bricks and tiles, Metal amulets, | Robert Smith, William Shotwell, | May 19th, 1800. June 24th, 1800. |
| Machine for splitting hides and skins, Mould board of a plough, | Peter Lorillard, James Deneale, jun. | June 28th, 1800. July 10th, 1800. |
| Cogs, etc. for pullies, etc. Machine for cutting tobacco, | Peter Lossing, Frederick Butler, | August 4th, 1800. August 22d, 1800. |
| Kiln for drying grain, Improvement in burning lime, etc. | Frederick Young, | August 23d, 1800. |
| Machine for cooking, Machine for cutting and heading nails, | Ezra Weld, Jonathan Kilborn, | Septem. 17th, 1800. August 23d, 1800. |
| "Lavater," machine for washing and wringing cloaths, Machine for cutting tanner's bark, | | |

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|---|-------------------------|-----------------------|
| Improvement in chimneys, | David Cooley, jun. and | August 25th, 1800. |
| Improvement in manufacturing bricks, | Gabriel N. Philips, | October 24th, 1800. |
| Raising water for mills, | Richard Mansfield, | October 24th, 1800. |
| Improvement in musical instruments, | Aaron Brookfield, | October 24th, 1800. |
| Telegraph (description filed) | John J. Hawkins, | October 24th, 1800. |
| Obtaining force from water, with the assistance of steam, | Jonathan Grout, jun. | October 24th, 1800. |
| Hanging windows without weights, | Samuel Murray, | November 17th, 1800. |
| Machine for breaking flax, | William Young, | November 20th, 1800. |
| Jaundice bitters, | John Cannon, | January 17th, 1801. |
| Cotton Gin, | Jesse Wheaton, | January 17th, 1801. |
| Improvement in sheathing vessels, | Ebenezer Whiting, | January 22d, 1801. |
| Brewing with Indian corn, | Henry Guest, | January 26th, 1801. |
| Condensor for heating wash in distilling, | Alexander Anderson, | January 26th, 1801. |
| Axle tourniquet, | Alexander Anderson, | January 26th, 1801. |
| Improvement in the construction of stoves, | Joseph Strong, | January 29th, 1801. |
| | William Henderson, | February 12th, 1801. |

| | | |
|---|---------------------|----------------------|
| Improvement in evaporation, | Thomas Bedwell, and | February 12th, 1801. |
| Machine for making and heading nails, | Benjamin Henfrey, | February 20th, 1801. |
| Hydraulic machine for raising water, | Michael Garber, | February 20th, 1801. |
| Improvement in boats to ascend rivers, &c. | Barnabas Langdon, | February 30th, 1801. |
| Increasing the surface of evaporation for the purpose of distilling, | David Grieve, | |
| Boring machine for posts for fencing, | Benjamin Henfrey, | March 2d, 1801. |
| Veneering plough for cabinet work, | Richard Weems, | March 16th, 1801. |
| Hydraulic engine, | William Stillman, | March 16th, 1801. |
| Making and discharging chain and cleaver shot, | John Strong, | March 24th, 1801. |
| Cut nails from iron hoops, &c. rendered tough, | Israel Hatch, | March 24th, 1801. |
| Stove, screw and reel grain drying machine, | Nathan Kent, | May 1st, 1801. |
| Impellent pump, | David Ellicott, | May 1st, 1801. |
| Nails milled out of heated rods, | Solomon Thayer, | June 9th, 1801. |
| Extract of bark for dyeing, &c. | Jesse Reed, | June 9th, 1801. |
| | Samuel Downing, | June 12th, 1801. |

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|--|---|---|
| <p>Forcing pump, Portable vapour bath, Infusing oil into leather &c. A beaming machine, Mill for grinding painters' colours, &c. Machine for extracting grain fr. straw, etc. A machine for raising water, Improvement for cooling and conveying up meal, etc. Metallic fluted gin rollers for cleaning cot- ton Manufacturing spoons, Giving motion to wheels within cylin- ders, &c. Mechanical powers for the use of wind- mills, &c. Manufacturing potash, Moveable suspended beam and scale,</p> | <p>John Eveleth, Charles W. Peale, Henry Guest, Jeremiah Ladd, Caleb Greene, Christopher Hoxie, William Palmer, Gurdon F. Saltonstall, Gurdon F. Saltonstall, Thomas Bruff, James Sharples, James Sharples, Thomas Power, Samuel Wallis,</p> | <p>June 13th, 1801. July 16th, 1801. July 16th, 1801. July 17th, 1801. July 23d, 1801. August 20th, 1801. August 25th, 1801. August 21st, 1801. September 2d, 1801 September 14th, 1801. September 15th, 1801. September 15th, 1801. September 19th, 1801. September 21st, 1801.</p> |

Air pump ventilator for ships, mines, &c.

Machine for ruling paper, &c.

A syphonic steam machine,

Construction of stills,

Machine for cutting and heading nails,

Improvement in a wind-mill,

Improvement in a ship's pump,

Making paper from Carrier's shavings,

Improvement in the art of engraving,

Improvement in a wind mill,

Improvement in a time-piece,

A machine for churning,

Improvement in boxes for carriages,

Improvement in paddles for propelling
boats,

Improved mode of carrying fish in warm
weather,

Richard Robotham,

Richard Robotham,

John Poole,

Michael Krafft,

William Leslie,

John A. Morton,

George Clymer,

Joseph Condit, jun.

Joseph Hutton and

Gideon Fairman,

Rufus Hathaway,

Simon Willard,

Isaac Baker,

Thomas B. Whitlock,

Richard Claiborne,

Nathaniel Robbins,

October 10th, 1801.

October 10th, 1801.

October 13th, 1801.

October 28th, 1801.

November 5th, 1801.

December 16th, 1801.

December 22d, 1801.

December 28th, 1801.

January 8th, 1802.

January 20th, 1802.

February 8th, 1802.

February 20th, 1802.

February 23d, 1802.

February 23d, 1802.

March 11th, 1802.

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|--|--|--|
| <p>Machine for cutting and grinding bark, Manufacturing starch from potatoes, Improvement in a grist mill, Improvement in a saw mill, which returns the log after each cut, Improvement on a block making gang lathe, Machine for ginning cotton,</p> | <p>Jacob Warrell, John Biddis, John W. Holly, Moses Coates, Ebenezer Whiting, William Bell and Samu- el de Montmollin, Joel Pierce.</p> | <p>March 17th, 1802. March 22d, 1802. March 27th, 1802. April 1st, 1802. April 1st, 1802. April 7th, 1802. April 10th, 1802.</p> |
| <p>Machine for churning, Improvement being a cheap mode of ob- taining light from fuel, Extracting the essence of bark for dying, Machine for cleaning clover seed, Improvement in a saw-mill,</p> | <p>Benjamin Henfrey, Samuel Downing, Asher Spicer, Hezekiah Richardson, jr. & Levi Richardson, Henry Abbott, Henry Abbott,</p> | <p>April 16th, 1802. April 19th, 1802. April 22d, 1802. April 28th, 1802. May 4th, 1802. May 4th, 1802.</p> |
| <p>Machine for rolling iron round, &c. Improvement in casting close stoves,</p> | | |

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|---|-------------------------|-----------------------|
| Improvement in flat roofs for houses and balconies, | Henry Johnson, | May 10th, 1802. |
| Mode of improving spirits, | Burgiss Allison, | May 12th, 1802. |
| Scientific steel yards, | Lewis Du Pré, | May 12th, 1802. |
| Machine for manufacturing salt, | Benjamin Ellicott, | May 12th, 1802. |
| New plan for printing music, | Andrew Law, | May 12th, 1802. |
| Machine for cutting fur for the use of hatters, | Nicholas Young, | May 14th, 1802. |
| Machine for cutting nails, | Edward West, | July 6th, 1802. |
| Improvement in heading and cutting nails, | Edward West, | July 6th, 1802. |
| Improvement in a gun lock, | Edward West, | July 6th, 1802. |
| Improvement in a steam boat, | Edward West, | July 6th, 1802. |
| Improvement in pumps, | Jacob Perkins, | July 9th, 1802. |
| Machine for cleaning wheat, | Stephen Stilwell, | July 9th, 1802. |
| Machine for cleaning out docks, | John Greenleaf, | July 13th, 1802. |
| Method of rolling iron for nails, | Jesse Reed, | July 15th, 1802. |
| Improved machine for threshing and cleaning wheat, | Ezekiel Miller, | July 19th, 1802. |

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|--|-------------------------|-----------------------|
| Machine for making bricks, | Ezekiel Miller, | July 17th, 1802. |
| Machine for cleaning clover seed, | Martin Miller, | July 19th, 1802. |
| Machine for threshing grain, | Joseph Pope, | July 22d, 1802. |
| Antibilious pills, | Thomas H. Rawson, | July 24th, 1802. |
| Machine for making nails, | Nathan Fobes, | August 2d, 1802. |
| Improvement in a trigonometrical quadrant, | James Templeton, | August 17th, 1802. |
| Improvement in a still, | William Paine, | August 24th, 1802. |
| Improvement called a fire-stop, | Elisha Putnam, | August 24th, 1802. |
| Economical house and ship steam kitchen, | Nicholas Boureau, | August 30th, 1802. |
| Astronomical quadrant, | Matthew C. Groves, | September 3d, 1802. |
| Machine for heading nails, | Benjamin S. Walcott, | September 4th, 1802. |
| Improvement in fastening, in raising and supporting window sashes, | Leonard Kennedy, | September 7th, 1802. |
| An evaporating furnace, | John Richardson, | September 13th, 1802. |
| Machine for pressing cotton or other bale goods, | Jacob Idler, | September 24th, 1802. |
| A steam engine (improvement in) | Samuel Briggs, junr. | October 9th, 1802. |

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|---|--|--|
| Machine for raising water [!!! a perpetual motion!!!] | John Baptiste Aveilhé, Asa W. Chickering, | October 14th, 1802. November 29th, 1802. |
| Improvement in splitting skins, Improvement in extracting neutral salts, from alkaline, | Benjamin Gorton, John Gardiner, William Caruthers, | November 29th, 1802. December 3d, 1802. December 13th, 1802. |
| Improvement in erecting dry docks, Machine for making nails, Improvement in the construction of mill wheels, | James Cowen, John Staples, Valentine Peers, Timothy Kirk, Simon Lozarus, Daniel Pettibone, Eze- kiel Chapman, and Jo- siah Nichols, | December 14th, 1802. December 15th, 1802. December 18th, 1802. December 20th, 1802. December 21st, 1802. |
| Improvement in stills, Improvement in making salt, Improvement in a boiling cistern, Antibilious stomach cordial, Improvement in the manner of welding cast steel to iron, &c. | Abm. Du Buc Marentille, | December 22d, 1802. December 23d, 1802. |
| An insubmersible boat, | | |

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|--|---------------------------------------|-----------------------|
| Improvement in manufacturing paper from corn husks, | Burgiss Allison, and John Hawkins, | December 30th, 1802. |
| Machine for sawing stone and marble, | William Palmer, | December 31st, 1802. |
| Improvement in the caboose of a vessel for distilling fresh from salt water, | Simeon Rouse, | January 1st, 1803. |
| A saw mill for cleaning cotton, | Gurdon F. Saltonstall, | January 4th, 1803. |
| Machine for hulling rice, | Christopher Hoxie, | January 7th, 1803. |
| Refrigerator for domestic uses, | Thomas Moore, | January 27th, 1803. |
| Boiler for accelerating the evaporation of liquids, | John Moffat, | February 1st, 1803. |
| Improvement in stills, | John Moffat, | February 1st, 1803. |
| Machine for raising water, | Benjamin Cooley, | February 1st, 1803. |
| Manufacturing marle into lime, | Jedediah Peasley, | February 1st, 1803. |
| Making brandy out of all kinds of grain or fruit, | Christopher J. Hütter, | February 11th, 1803. |
| Machine for paring apples, | Moses Coates, | February 14th, 1803. |
| Improvement in a gauge auger, | Abel Stowel, | February 14th, 1803. |

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|--|---|-----------------------|
| A machine for making hot wrought nails, &c. | Elisha Bartlett, Oliver Bartlett, Otis Bartlett, and George Bartlett, William Bell, and John S. De Montmollin, | February 17th, 1803. |
| Improvement to their patented roller cotton gin, | John S. De Montmollin, | March 7th, 1803. |
| Improvement in extracting a spirit from starch water, | John Naylor, | March 7th, 1803. |
| A wheel to turn under water, | Silas Bent, | March 7th, 1803. |
| A horizontal wind mill, | John Baptiste Aveilhé, | March 16th, 1803. |
| A wreck raft, | Abm. Du Buc Marentille, | March 18th, 1803. |
| A sea-sitting chair, A power obtained by the rising and falling of the tide to give motion to all kinds of machinery, | Abm. Du Buc Marentille, | March 18th, 1803. |
| Submarine passage or hollow inverted arch, | John Staples, jun. | March 18th, 1803. |
| A machine for cleaning clover seed, | John Staples, jun. | March 18th, 1803. |
| An improvement in time pieces, | John Cottle, | March 21st, 1803. |
| | David F. Launy, | March 21st, 1803. |

Subjects of the Patents.**Names of the Patentees.****Dates of the Patents.**

Improvement in the process of manufacturing sea salt,
Improvement in the mode of obtaining antiseptic gas,
Improved house fan,
Anti-bilious pills,
Improvement in his evaporating furnace,
Impt. in a cooler or condensor of vapor,
Improvement in producing steam,
Improvement in a ruling machine,
Improvement in heating and boiling water,
Improvement in the mode of constructing vessels with crooked keels,
Machine for deepening channels,
Improvement in building boats,
A rolling machine for cleaning cotton,
Improvement in distilling spirits,

George Hunter,
Peter De La Bigarre, &
J. B. M. Picornell,
Edward Marquam,
Thomas H. Rawson,
John Richardson,
William How,
John Stevens,
Daniel Brewer,
Benjamin Platt,

Eliphalet Beebe,
Matthew Barney,
William Hopkins,
Gurdon F. Saltonstall,
Daniel Hsley,

March 24th, 1803.

March 24th, 1803.

March 28th, 1803.

April 4th, 1803.

April 4th, 1803.

April 6th, 1803.

April 11th, 1803.

April 22d, 1803.

April 27th, 1803.

April 27th, 1803.

May 4th, 1803.

May 13th, 1803.

May 14th, 1803.

May 14th, 1803.

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|---|---|-----------------------|
| Improvement in cutting grain and grass, | Richard French, and John T. Hawkins, | May 17th, 1803. |
| Improvement in the pentagraph and parallel ruler, | John J. Hawkins. | May 17th, 1803. |
| Improvement in the application of the principle of rectifying or improving spirits, | Burgiss Allison, | May 17th, 1803. |
| Machine for pumping, | John Clark, | May 19th, 1803. |
| Improvement in working the bellows of a furnace or forge, | John W. Godfrey, | May 25th, 1803. |
| Expediting the manufacture of common salt, | Timothy Alden, jun. | May 25th, 1803. |
| Improvement in the method of distilling or making alcohol, | Lemuel J. Kilborn, John Biddis, | June 4th, 1803. |
| Improvement in extracting the effective matter contained in barks, &c. for dying, | Thomas Bedwell and William Mitchell, | June 7th, 1803. |
| Machine for making hinges, | David Morse, | June 10th, 1803. |
| Improvement in the manufacturing of hats, | Ezra Corning, jun. | June 13th, 1803. |

| Subjects of the Patents, | Names of the Patentees. | Dates of the Patents. |
|--|--|-----------------------|
| Improvement in the steam engine, | Samuel Morey, Rufus Graves and Giles Richards, | June 15th, 1803. |
| Physiognotrace, | Isaac Todd, Augustus Day and William Bache, | June 15th, 1803. |
| A rocking churn, | Walter Keeler and James Waring, | June 23d, 1803. |
| A machine for breaking & carding sheep's wool, | Benjamin Standring, | June 28th, 1803. |
| Machine for shearing woollen and other cloths, | Liberty Stanley, Nicholas Young, | June 25th, 1803. |
| Machine for pulling hair from skins, | Nicholas Young, | June 28th, 1803. |
| Improvement in the construction of iron ca- booses, | William Ashbridge, | June 28th, 1803. |
| Improvement called the Columbia fire- place, | Robert Heterick, | June 30th, 1803. |

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|---|---|-----------------------|
| Improvement in the mode of applying springs to window sashes, Improvement in distillation by the application of steam in wooden or other stills, | Samuel S. Camp, Samuel Brown, Edward West and Thomas West, | July 1st, 1803. |
| Machine for packing goods, | John Clark and Evan Evans, | July 8th, 1803. |
| Method of cooling liquors, | David Lownes, | July 20th, 1803. |
| Method of securing leaden or other pipes from frost, etc. | David Lownes, | July 21st, 1803. |
| Machine for splitting and shaving shingles, | Daniel French, | July 25th, 1803. |
| Improving in a powder mill, | George Keyser, | July 27th, 1803. |
| Machine for separating clover seed from the "pod," | Timothy Kirk, | July 28th, 1803. |
| Improvement in the construction of stills, | Lewis Geanty, | August 4th, 1803. |
| Machine for boring holes in rocks under water, | John Baptiste Aveilhe, | August 24th, 1803. |
| Improvement in a water cock, | George Youle, | August 25th, 1803. |

Subjects of the Patents.

Names of the Patentees.

Dates of the Patents.

Preparing seals' fur for hats,
 A wheel press,
 Mode of constructing carriages,
 Family pills,
 Machine for making wrought nails and
 brads out of hot rods,
 Threshing machine,
 Improvement in the construction of the
 keels of vessels,
 Machine for shelling corn,
 Improvement in boilers, also working stills
 with the same,
 A horizontal draft wind-mill,
 Finding salt water and metals. *Bletonism!*
 Vegetable Elixir, or cough drops,
 A dry bellows pump,
 Improvement in spinning wheels,
 Improvement in wind-mills,

George Cleveland,
 Hezekiah Betts,
 John C. Stroebel,
 Daniel Coit,

 Lazarus Ruggles,
 Jedediah T. Turner,

 Gilbert Livingston,
 Paul Pilsbury,

 William Thornton,
 Samuel Goodwin,
 Valentine Cook,
 Samuel Cooley,
 Enoch Alden,
 Amos Miror,
 Asahel E. Paine,

September 9th, 1803.
 September 13th, 1803.
 September 19th, 1803.
 October 5th, 1803.

 October 18th, 1803.
 October 19th, 1803.

 October 22d, 1803.
 October 25th, 1803.

 October 28th, 1803.
 October 31st, 1803.
 November 1st, 1803.
 November 12th, 1803.
 November 15th, 1803.
 November 16th, 1803.
 November 19th, 1803.

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|---|-------------------------------------|-----------------------|
| Improvement in fastening and supporting window sashes, | Jacob Osborn, William Bell, | November 24th, 1803. |
| Improvement in the cotton gin, | William Bell, | November 24th, 1803. |
| Improvement in propelling boats for inland navigation, | William Bell, | November 25th, 1803. |
| Improvement in the wind-mill, | William Bell, | November 25th, 1803. |
| A cylindric ruler for ruling paper, | John Fairbanks, | November 30th, 1803. |
| Improvement in grinding painters' colours, printers' ink, &c. | Jacob Cist, | December 3d, 1803. |
| Machine for separating the seed from cotton, | Joseph Eve, | December 6th, 1803. |
| A twilling machine for pricking leather for cards, | Pliny Earle, | December 6th, 1803. |
| Improvement in a fire engine, | Stephen Steward, | December 6th, 1803. |
| Machine for rolling plates of iron and cutting them into nails, | Samuel Rogers, and Melvill Otis, | December 7th, 1803. |
| Improvement in window springs, | James Curtis, jun. | December 10th, 1803. |
| Improvement in still heads and condensers, | Edward Richardson, | December 16th, 1803. |

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|---|-------------------------|-----------------------|
| Improvement in making cold cut nails and brads out of rolled iron, | Joseph Elgar, | December 16th, 1803. |
| Improvement in separating clover seed, wheat, &c. from the husk, | David Buckman, | December 21st, 1803. |
| A hydro-mechanical press, | John Beverley, | December 26th, 1803. |
| Improvement in painting rooms, | John Selby, | December 30th, 1803. |
| Improvement in making colours for painting, printing, &c. | Francis Guy, | December 30th, 1803. |
| Machine for making brick and tile by cutting the mortar, | Nathaniel Miller, and | January 5th, 1804. |
| Improvement in stills or boilers, | Philip W. Miller, | January 19th, 1804. |
| Improvement in preparing quercitron or black oak bark for exportation or home consumption, for dying or other uses, | Leonard Beatty, | |
| "A double draught fire place," | Thomas Benger, | January 25th, 1804. |
| Improvement in the construction of stills and the process of distilling spirits, | Talmage Ross, | January 23d, 1804. |
| Improvement called the screw mill for | William Wigton, | January 30th, 1804. |

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|---|-------------------------|-----------------------|
| breaking and grinding different hard substances, | Oliver Evans, | February 14th, 1804. |
| "Improvement in steam engines, by the application of a new principle by means of strong boilers to retain and confine the steam, thereby increasing the heat in the water, which increases the elastic power of the steam to a great degree," | Oliver Evans, | February 14th, 1804. |
| Improvement in wheels to be moved either by wind or water; for the purpose of giving motion to all kinds of machinery, mills, engines, carriages, ships, boats, &c. &c. | John Staples, jun. | February 17th, 1804. |
| "In setting stills and other large kettles," | Israel Wood, | February 21st, 1804. |
| Machine for threshing and cleaning grain, | Thomas Barnett, | February 21st, 1804. |
| Improvement—being a smut-fanning mill, | Thomas Pierce, | February 21st, 1804. |
| Improvement in hanging window sashes, | William W. Hopkins, | February 24th, 1804. |
| "Improvement—being a spinning wheel | | |

Subjects of the Patents.**Names of the Patentees.****Dates of the Patents.**

and twisting mill for the purpose of making cordage,"
A machine for hulling clover seed,
Improvement in air or bellows pumps for raising water,
Improvement—being a machine for washing cloths, scouring, fulling and cleaning cloth,
Improvement—being a mode of preparing marble for painting on,
Improvement in window fastenings or springs for fastening and supporting sash-lights,
Improvement in extinguishing fires in houses, &c.
Machine for watering cattle,
Improvement in the bedstead, so constructed that it may be taken down and removed by one person in case of fire or on

William B. Dyer,
Jacob Worrell,

Daniel M. Miller,

Daniel S. Dean,

Archibald Robertson,

Daniel M. Miller,

Samuel P. Lord, jun.
Moses Smith,

February 27th, 1804.
February 27th, 1804.

March 5th, 1804.

February 29th, 1804.

March 5th, 1804.

March 8th, 1804.

March 10th, 1804.
March 16th, 1804.

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|---|---|---|
| <p>other occasions with much ease and expedition, Machine for preparing what is commonly called top and swingled tow for paper, Improvement, being a "wry-fly," which may be applied by wind or water to various machines, viz. grist mills, hulling mills, spinning mills, fulling mills, paper mills and to the use of furnaces &c. Improvement in manufacturing coat and waistcoat buttons, Improvement, being an inclined-plane-statical-wheel machine, for facilitating the passage of boats in canals, or for removing earth, stones or other heavy bodies from hills, &c. by the inclined plane,</p> | <p>Ward Gilman, and William Jackson, Abraham Frost, Benjamin Tyler, George W. Robinson, John Williams,</p> | <p>March 19th, 1804. March 19th. 1804. March 19th, 1804. March 24th, 1804. March 23d, 1804</p> |

Subjects of the Patents.

Names of the Patentees.

Dates of the Patents.

Machine for the improvement of navigation,
 "Improved still and boiler,"
 Improvement in the mode of making shot,
 Machine for breaking and cleansing flax
 and hemp,
 Improvement in the mode of working
 sheet tin into different wares,
 Improvement in springs for window sashes,
 Machine for slitting and heading nails,
 Double steam-bath still,
 Machine for cleaning flax-seed from
 cockle, yellow seed, cheat, and all foul
 seeds, which may be applied to separate
 wheat, rye and other grains from each
 other, and all impurities,
 Machine for shelling clover seed,

Anthony Hunn,
 John Naylor,
 Phineas Daniel,

Owen Roberts,
 Calvin Whiting and Eli
 Parsons,
 Joseph Eaton,
 Michael Garber,
 John James Giraud,

Paul Goltry,
 Michael Withers,

March 24th, 1804.
 March 31st, 1804.
 March 31st, 1804.

April 12th, 1804.

April 14th, 1804.
 April 14th, 1804.
 April 17th, 1804.
 April 18th, 1804.

April 24th, 1804.
 April 30th, 1804.

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|--|--|-------------------------------------|
| Improved machine for cutting straw and hay, &c. &c. | Moses Coates, and Evan Evans, Thomas Langstroth, | April 30th, 1804. May 1st, 1804. |
| Improvement in paper mills, Improvement in the construction of pump-boxes or pumps, designed for the use of ships of war, merchant vessels, or other purposes where water is required to be raised, | John Stickney, | May 1st, 1804. |
| Columbian threshing, break and cleaning fan, | Samuel Houston, | May 3d, 1804. |
| Machine to be fixed to the top of a common churn, | Levi Stevens, | May 8th, 1804. |
| Machine for shelling and cleaning corn, which may likewise answer the purpose of grinding tanner's bark, and provender for cattle and horses, | Levi Stevens, John Staunford, junr. and Amos D. Allen, | May 8th, 1804. |
| Improvement of the lantern, | | May 10th, 1804. |

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|---|--------------------------------------|-----------------------|
| Composition for tablets to write or draw on, | Amos D. Allen, | May 10th, 1804. |
| Machine to cut strips or chips of wood to make chip hats, bonnets, &c. | Amos D. Allen, | May 10th, 1804. |
| Furnace for making pot and pearl ashes, with the manner of using, and the materials of which the same is composed | Edward Crafts, junr. | May 12th, 1804. |
| Machine or apparatus for making salt, | Ezra Weld, | May 16th, 1804. |
| Machine for cleaning and moating cotton after it has been ginned, | James Simons and Joseph M'James, | May 17th, 1804. |
| Machine for making nails and spikes, | Burgiss Allison, and Richard French, | June 8th, 1804. |
| Improvement in making thimbles, | Asa Spencer, | June 8th, 1804. |
| Improvement in machines for clearing grain from straw, &c. | William Tunstall, | June 30th, 1804. |
| Improvement in the mode of pumping and raising water, | Benjamin Folger, | July 7th, 1804. |

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|--|---|-----------------------|
| Improvement in the construction of the fulling mill, called the double crank, | Levi Osborn, | July 12th, 1804. |
| Improvement in the plough, | John Deaver, | July 12th, 1804. |
| Improvement in the auger, | Christopher Hoxie, | July 12th, 1804. |
| Improvement in the lime kiln, | Thomas Power, | July 12th, 1804. |
| Metallic grinder or hone for razors, pen-knives, scissors, surgeon's instruments, and all kinds of fine edged tools, | Christian Veltenair, | August 10th, 1804. |
| Improvement in the machine for cutting nails, | Nicholas Boureau, | August 21st, 1804. |
| Machine for raising water from wells, | William Harington, | August 28th, 1804. |
| Improved windlass for ships or vessels, | Hezekiah Betts, | August 29th, 1804, |
| Machine to cut chips or strips of wood, to make chip hats and bonnets, brooms, baskets, sieves, matting, and for various other uses, | John Roberts, Amos D. Allen and Ezekiel Kelsey, | September 5th, 1804. |
| Crushing plaister-mill, | Emanuel Kent, | September 14th, 1804. |
| Improvement in suspenders, | Orange Webb, | September 18th, 1804. |

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|--|---|---|
| Improvement in wind-mills, A waggon, or carriage, to be worked by hand, | Richard Weems, | September 20th, 1804. |
| Method to prevent chimneys from admitting water in rainy weather, | John Bolton, jun. | September 29th, 1804. |
| Forcing pump to raise water, "The rheumatic liniment," for chronic rheumatism, strains, &c. | John James Thomas, Aaron Taylor, | October 2d, 1804. October 4th, 1804. |
| Improvement in gallows, or suspenders, for breeches, pantaloons or trowsers, &c. | Abel Brown, | October 17th, 1804. |
| Improvement in candlesticks, | Simon Smith, Benjamin Dearborn, | October 23d, 1804. October 29th, 1804. |
| Machine for breaking dough, | Laban Folger, | November 1st, 1804. |
| Machine for cooling and filtering water or other fluids, | Daniel M'Mullin and Thomas M. Corby, | November 6th, 1804. |
| Composition, or cement, to prevent the roofs and other parts of houses from taking fire, | David Stodder, | November 16th, 1804. |
| Improvement in sash-springs, | John Hooker, | November 19th, 1804. |

| Subjects of the Patents. | Names of the Patentees. | Dates of the Patents. |
|---|--|--|
| Improvement in the threshing machine, Improvement in the oil press, Machine for granulating gunpowder, | James Deneale, jun. Josiah White, E. I. Du Pont de Ne- mours, | November 20th, 1804. November 27th, 1804. |
| Improvement in the cow, or sheep bell, Machine for cutting nails with, and not across the grain of the metal, | Simon Newton, Frederick Wm. Geys- senhayner, | November 23d, 1804. December 22d, 1804. |
| Improvement in wind-mills, "New invented window springs," | William Stanton, jun. | December 22d, 1804. December 26th, 1804. |
| Machine for boring gun barrels, Manufacturing ashes, | Isaac Scott, Nathan Fobes, Joseph Bellows, jun. and | December 26th, 1804. December 31st, 1804. |
| Medicine called "bilious cordial," Mode of improving or setting a horse's ears, | Ebenezer White, Samuel Chamberlaine, Seth Janes, | December 29th, 1804. December 31st, 1804. December 31st, 1804. |

LETTER

FROM

THE SECRETARY OF STATE,

TRANSMITTING

A LIST OF THE NAMES OF PATENTEES, THEIR PLACES OF RESIDENCE,

AND THE

NATURE OF THEIR INVENTIONS OR IMPROVEMENTS,

AGREEABLY

TO A RESOLUTION

OF

THE HOUSE OF REPRESENTATIVES OF THE UNITED STATES

OF

THE SEVENTH ULTIMO.

JANUARY 14th, 1811.

ORDERED TO LIE ON THE TABLE.

Printed by order of the House of Representatives of the U. States.

WASHINGTON CITY

PRINTED BY ROGER CHEW WEIGHTMAN.

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1811.

DEPARTMENT OF STATE,

JANUARY 1st, 1811.

SIR,

IN pursuance of the resolution of the House of Representatives of the United States, dated the 7th ultimo, I have the honor of transmitting a list of the names of persons who have invented any new or useful art, machine, or composition of matter, or any improvement thereon, and to whom patents have been issued for the same, from this office, with the dates and general objects of such patents; and also the residence of the patentees, as far as they could be ascertained.

I have the honor to be, Sir,

With the greatest respect,

Your obedient servant, &c.

R. SMITH.

To the Hon. the Speaker

of the House of Representatives of the United States.



| <i>No. of Patents</i> | INVENTIONS. | <i>When issued.</i> | NAMES OF PATENTEES. | RESIDENCE OF PATENTEES. |
|-----------------------|---|---------------------|-----------------------|------------------------------------|
| | | 1805. | | |
| | Machine for cutting nails, brads, &c. | May 1 | Increase Kimball | New Hampshire |
| | Improvement in the grist mill | 2 | Joseph Copes | Georgetown, Delaware |
| | A close fire place | 3 | Horatio G. Spafford | Hudson, New York |
| | Machine for raising water from a running stream | 3 | Frederick Lippart | P. O. Keetz town, Pennsylvania |
| 600 | In andirons | 4 | John Stickney | Baltimore |
| | An iron wheel for transporting carriages | 4 | Robert Crane, junr. | Woodbury, Litchfield county, Con. |
| | A felloe mill | 4 | Samuel Church | Amherst, Hampshire county, Mass. |
| | A metallic hone | 4 | John Houston | Williamsburg, Virginia |
| | A cross cramp for four wheel carriages | 4 | Simeon Glover | Newtown, Fairfield county, Con. |
| 605 | A washing and scouring machine | 4 | Abraham Higham | Hudson, New York |
| | Machine for raising and removing earth | 4 | Joseph Platt | Albany, do |
| | In the physiognotrace | 4 | Daniel Atherton | Richmond, Virginia |
| | Machine for raising and removing earth | 4 | Joseph Platt | Albany, New York state |
| | A beaming machine | 6 | Allen Hill | Hinsdale, Berkshire county, Mass. |
| 610 | Machine for removing earth, &c. | 6 | Jacob Welsh | Boston |
| | Bleeding with and breeding leaches | 7 | John Kunitz | Philadelphia |
| | Machine for sawing shingles | 8 | Isaac Baker | Amherst, Northampton, Mass. |
| | In glazing and polishing linens, &c. | 9 | William Smith | New York |
| | In making sod oil for leather | 10 | George Poyzer | Philadelphia |
| 615 | Machine for shelling and hulling cloverseed | 10 | Michael Zorger | P. O. York, Pennsylvania |
| | Method of making moulds for casting iron screws, &c. | 10 | Ebenezer Lester | Herkimer town and county, New York |
| | In manufacturing tin ware | 10 | Barnabas Langdon | St. Albans, Vermont |
| | In the sluice to convey the water to horizontal wheels, and in the manner of forming the wheels of cast iron, &c. | 10 | James Humiston, junr. | Wallingford, New Haven, Con. |

| <i>No. of Patents</i> | INVENTIONS. | <i>When issued.</i> | NAMES OF PATENTEES. | RESIDENCE. | |
|-----------------------|---|--------------------------|----------------------------------|-------------------------------------|----|
| | | 1805. | | | |
| 620 | On Anderson's patent condensing tub | May 17 | Henry Witmer | Lancaster, Penn. | |
| | In the bark mill | 21 | Thomas W. Pryor | Philadelphia | |
| | Apparatus for making tiles, bricks, &c. | 22 | William Hodgson | Richmond, Virginia. | |
| | In the smut fanning mill | 24 | Thomas Pierce | Fishkill, Dutchess county, New York | |
| | Mode of making posts of clay for fencing | 27 | William Cooley | Bolton, Tolland county, Con. | |
| 625 | Machine for raising or projecting fluids | 27 | Daniel Tomlinson | Brookfield, do | |
| | Method of boiling, applicable to distilling, brewing, &c. | 27 | Benjamin Eggleston, jun. | Princetown, Aby. New York | |
| | In the mode of setting boilers of every description | June 1 | Ebenezer Jenks | Portland, district of Maine | |
| | In planing by machinery | 1 | John Bennock | Boston | |
| 630 | Planing machine for sawing bellows boards, &c. | 1 | John Hinman | New Haven, Connecticut | |
| | Method of separating, preparing and collecting the sulphate of pot ashes into sal polychrestum, &c. | 15 | Alexander M'Nitt | Geneva, Ontario, New York | |
| | Improvement in mills and machinery | 25 | Lewis Valcourt | Lewisville, Kentucky | |
| | Machine for ginning, carding and spinning cotton | Aug. 8 | John M-Bride | Nashville, Tennessee | |
| | Machine for grinding, sawing or rasping dye woods | 13 | John Mathews | Philadelphia | |
| | Machine for casting types | 28 | William Wing | Hartford, Connecticut | |
| | In springs for wheel carriages | 29 | William Wing and Henry Salisbury | Hartford, Connecticut | |
| | 635 | In tub mills | Sept. 25 | Charles M'Lean and Solomon Loomis | do |
| | | A clay pipe for conduits | Oct. 1 | Samuel Bartlett | do |
| | | In making shingles | Oct. 9 | Asahel A. Kelsey | do |

| | | | | | |
|-----|---|------|-------|---|--------------------------------------|
| | Manufacturing old junk or old rigging into oakum | | 9 | Daniel French | Middletown, do |
| | In casting ship bolts | | 28 | Joseph Share | Baltimore |
| 640 | In rafts | Nov. | 4 | William Deane | Pittsburgh, Pennsylvania |
| | In cattle mills | | 4 | La Paype (ainé) | Baltimore |
| | Machine for raising water | | 7 | Seraphim Bellij | do |
| | do for splitting skins | | 9 | William Lillie | West Chester, New York |
| | In making salt | | 13 | John Gilman Taylor | |
| 645 | Machine for shearing woollen or other cloth by water, &c. | | 22 | Friend B. Kellogg | Marlborough, Berkshire county, Mass. |
| | A distilling apparatus | | 27 | Abraham Heistand | York Town, Pennsylvania |
| | Machine for preparing and hackling tow for paper or linen | | | | |
| | do. for washing, rinsing, and wringing clothes | Dec. | 7 | James Tatterson | Southampton, Long Island, N. Y. |
| | | | 17 | William Johnson Fulson and John Hayden | |
| | Rheumatic pill | | 18 | George Barber Dexter | Hallowell, Kennebeck county, D. M. |
| 650 | A kiln for drying grain | | 20 | William Poble | Boston |
| | In kilns for drying grain | | 20 | James Abraham | Wilmington, Delaware |
| | Machine for reaping grain | | 28 | Samuel Adams | Middlesex, New Jersey |
| | | | 1806. | | |
| | A rowing machine | Jan. | 13 | Ebenezer Bryant | New London, Connecticut |
| | A balance pendulum lock | | 22 | Samuel Goodwin and Richard Gains | |
| 655 | Machine for making bats or frames for wool hats | | 24 | Richard Gookins | Baltimore and George Town, Columbia |
| | Machine for copying charts, landscapes, &c. | Feb. | 5 | Cephas Thompson | New Hampshire, Massachusetts |
| | A loom for weaving chip | | 8 | Phillip Bennet | Bristol, Rhode Island |
| | A spring pump for raising water | | 13 | William Finn | Rochester, Plymouth, Massachusetts |
| | Machine for picking oakum | | 14 | Michael Morrison | Baths, Baltimore |
| 660 | do. for making dough | | 14 | George Richards | Newburyport, Massachusetts |
| | | | | | Stonington, N. Lowden county, Conn. |

| <i>No. of Patents.</i> | INVENTIONS. | <i>When issued.</i> | NAMES OF PATENTEES. | RESIDENCE. |
|------------------------|---|---------------------|---------------------|--|
| | | 1806. | | |
| | In bridges | Feb. 14 | Theodore Burr | |
| | A planing machine | 19 | Joseph Hawkins | Philadelphia |
| | Improvement in gun carriages | 19 | Samuel Hawkins | New York |
| | Machine for raising mud | 21 | John Eveleth | |
| 665 | Medicine called the essence of tansy | 28 | Israel Newton | Norwich, Windsor county, Vermont |
| | Machine for making brick | March 1 | John F. Gould | |
| | In suspenders | 5 | Richard Howell | |
| | In evaporation | 5 | Thomas Arnold | |
| | In stoves | 7 | Samuel Dickey | Oxford, Chester county, Pennsylvania |
| 670 | In tilt hammers | 8 | John F. Gould | |
| | A joining and planing machine | 8 | Joseph S. Mott | Alburgh, St. Albans, Franklin co. Vt. |
| | A balance pendulum lock | 17 | Richard Gaines | George Town, Columbia |
| | A hoisting machine | 19 | William Purden | Baltimore |
| | In a cabouse | 21 | George Youle | New York |
| 675 | For dressing flax | 21 | Elisha Mack | |
| | Preparing and welding cast steel to iron or other steel for tools | 22 | Daniel Pettibone | Roxbury, Norfolk, Connecticut |
| | A fulling mill and washing machine | 26 | John Kennion | Dutchess county, New York |
| | Carding machine to form batts for wool hats | 31 | Abner Guild | Dedham, Norfolk county, Mass. |
| | Machine for splitting skins or neats' leather | 31 | Stephen Payn | |
| 680 | In diving machines | April 1 | Richard Tripe | Dover, New Hampshire |
| | In cyder and bark mills | 5 | Isaac Quintard | Stanfield, Fairfield county, Connecticut |
| | In propelling boats | 17 | John Heavia | Montgomery county, Virginia |
| | Machine for cutting straw | 17 | do. | do |
| | In saw mills | 25 | Joseph Quinby | Boston |
| 685 | In water wheels for mills | May 1 | Ephraim Hubbel | Middlebury, Vermont |
| | In reducing calcareous matters into lime | 2 | Charles Varle | |

| | | | | | |
|-----|---|-------|----|---|------------------------------------|
| | In the steelyard | May | 19 | John Edwards | New York |
| | In scale beams and balances | | 19 | do. | do. |
| | A cabouse stove, apparatus for cooking and distilling, &c. | | 21 | George Youle | do. |
| 690 | In windmills | | 23 | John Cooper | Philadelphia |
| | In boxes for carriage wheels | | 23 | James Gridley | Boston |
| | Machine for shearing cloth | | 25 | Beriah Swift | Washington, Dutchs. county, N. Y. |
| | In the churn | | 26 | Abner Wing | do |
| | A washing machine | | 29 | Reuben Buck | |
| 695 | In boxes for carriage wheels | | 30 | Levi Brown | Berkshire, Massachusetts |
| | Extracting salt from sea water | | 30 | Standfast Smith | Suffolk, Dorchester, Massachusetts |
| | In facilitating the process of extracting salt from sea water | June. | 12 | | |
| | do | | 13 | do. | do. |
| | do | | 13 | do. | do. |
| | In filtering impure water, wine, &c. | | 24 | Solomon M'Combs, Joseph Smith and Benj. D. Galpin | |
| 700 | In making pantiles | July | 3 | William Harwood | Baltimore |
| | A perpendicular boring machine | | 7 | Roger Selden | Richmond, Virginia |
| | Machine for facilitating the spinning of rope yarn, &c. | | 14 | Nathaniel Cutting | Washington City |
| | In making boots and shoes, &c. | | 16 | John Bedford | Philadelphia |
| | A swing cradle | | 17 | Zachariah Mills | Hartford, Connecticut |
| 705 | Anti-stream boat | | 17 | William Wadsworth | do. |
| | A cover for buildings called artificial slate or tile | | | | |
| | Apparatus for improving the quality of cables, &c. | Aug. | 7 | Thomas Woodsend | |
| | | | 14 | Nathaniel Cutting | Washington City |
| | Improvement whereby a beautiful yellow paint may be prepared | Sept. | 2 | The Baron Alexis Carren- defiez | New York |

| No. | INVENTIONS. | When issued. | NAMES OF PATENTEES. | RESIDENCE. |
|-----|---|--------------|-------------------------|--------------------------------------|
| | | 1806. | | |
| 710 | Machine for raising vessels out of water to repair them | Oct. 9 | John Titus Morgan | New York |
| | Apparatus for the sublimation of sulphur | 9 | George Barber Dexter | Boston |
| | Mixture to render all kinds of woollen cloth water proof | 21 | James Pountrey Wightman | do. |
| | In screens for freeing grain from dirt, seeds, &c. | 28 | William Tullock | Lantern Mills, Orange C. H. Virginia |
| | In suspenders | Nov. 6 | Jonas Dawson | Philadelphia |
| 715 | A perpetual oven | Dec. 4 | James Deneale | Dumfries, Virginia |
| | A composition for covering and flooring houses | 1807 | | |
| | A Traverse sleigh | Feb. 3 | Louis De Niroth | Baltimore |
| | Machine for winding cotton | 4 | Levi Rogers | Berwick, Massachusetts |
| | Machine for grinding, sawing and rasping dye woods | 5 | David Brown, jun. | Warren, Bristol county, Rhode Island |
| 720 | A paper trimmer | 6 | John Mathews | Philadelphia |
| | Accommodating bolted truss for ruptures | 7 | Parke Shee | do. |
| | In the auger | 7 | John Beath | Boston |
| | Machine for cutting brads | 7 | William Hale | Champlain, Clinton co. New York |
| | Mode of making the bottoms of shoes and boots of metallic substance | 10 | Jonathan Ellis | |
| | A water tight swivel screw, adapted to steam engines, stills, &c. | 10 | Samuel Milliken | Lexington, Massachusetts |
| 725 | In making boots and shoes | 10 | Abel W Hardenbrook | New York |
| | The Egyptian lock | 11 | William Montgomery | Philadelphia |
| | Making charcoal from peats | 11 | Abraham Ogier Stansbury | New York |
| | A hemp and flax machine | 11 | Charles Fales | Worcester, Massachusetts |
| | | | 11 | Richard Button |

Method of making moulds for casting trunk-
 head, of any kind of metal, &c.

730 A fire place with a flat funnel
 A tilting waggon
 For carding fur and wool, for hats
 In the grist mill
 Machine for cutting and heading nails at
 one operation

735 Machine for working a trip hammer, with
 a perpendicular handle
 In making butter

A washing machine
 Mode of making salt
 A pendulum screen

740 A double forcing pump
 In the cabouse stove for cooking, &c.
 In ploughs
 Machine for dressing shingles and staves
 do. for cutting nails
 do. for propelling boats &c. by oars, &c.
 do. for raising stumps, &c. from the
 ground

745 In the application of bark for hats, caps, &c.
 In making fire brick
 In main springs for carriages
 In the construction of bridges
 In the steel yard
 In an apparatus for, and mode of distilling
 In the splinter bar and swirgle trees of car-
 riages, to disengage the horses from—
 suddenly

Feb. 12 Ebenezer Lester
 19 Abraham Fisher
 17 Abraham Hobart
 21 Arnold Buffum
 22 Ezekiel Hale
 22 Jesse Reed
 25 Joel Fox, jun.
 27 Bornt G. Burtis and Ger-
 sham Burtis
 28 Richard R Elliot
 April 1 Timothy Green
 1 Lewis Dupré
 1 Charles Colver
 1 George Youle
 1 David Peacock
 1 Jeremiah McIlvain
 1 Elisha Bigelow
 7 James A. Pearce
 15 Alexander Craig
 17 Sylvester G Whipple
 April 17 Ebenezer Jenks
 18 Jonathan Mix
 18 Thomas Pope
 23 Barnabas Langdon
 23 Abraham Weaver
 23 Henry Dunlap

Little Falls, Herkemer co. New York
 Braintree, Norfolk co. Massachusetts
 Haverhill, Essex co. Massachusetts
 Boston
 Middlesex, Massachusetts
 New York
 Watertown, Middlesex co. Mas.
 New York
 Charleston, South Carolina
 Champlain, Essex county, New York
 New York
 Burlington, New Jersey
 Chester, Delaware co. Pennsylvania
 Baltimore
 Louisville, Falls of Ohio
 New Hampshire
 Hollowell, Kennebeck co. Mas.
 Canaan, Litchfield county, Connecticut
 New Haven, Connecticut
 New York
 St. Albans, Vermont
 Adam's county, Pennsylvania
 George Town, Columbia

| No. | INVENTIONS. | <i>When issued.</i> | NAMES OF PATENTEES. | RESIDENCE. |
|-----|--|---------------------|----------------------------------|----------------------------------|
| | | 1807. | | |
| 755 | Applicable to fire places and stoves | April 23 | Allan Pollock | Boston |
| | In heating rooms, &c. &c. &c. | 24 | do | do |
| | A washing machine | 25 | Simon Willard, junr. | Hudson city, New York |
| | A washing, scouring and churning do | 25 | Thomas Beatty | |
| | In making ropes of any size and lines, &c. | May 5 | John Sellers and Andrew Bartle | Alexandria |
| 760 | A gunner's quadrant | 6 | Charles Hammond | Concord, Middlesex county, Mass. |
| | Machine for breaking and grinding bark, &c. | 7 | Cornelius Tobey | Hudson, New York |
| | Machine for making paper | 8 | Charles Kinsey | Essex, New Jersey |
| | Machine for shearing cloth | 8 | Russell Dorr | Kenderhook, N. Y. |
| | In rigging vessels of every denomination | 9 | Stephen Sayre | Bordentown, New Jersey |
| | In hanging curtains or blinds in coaches, &c. | 9 | Peter Harvey | Philadelphia |
| 765 | In shingling the roofs of houses, &c. | 11 | Thomas Young | do |
| | In lasts for boots and shoes | 20 | William Young | do |
| | In the fire engine | 20 | Jacob Smith, junr. | New York |
| | Mechanical spring buckle | 20 | John Green | do |
| | In mills | 21 | Christian Hamaker | Lancaster |
| 770 | A washing machine | June 6 | Josiah Cleaveland | Franklin county, Pennsylvania |
| | A mortising machine | 8 | Simeon Glover and David Parmelee | Newtown, Connecticut |
| | In galvanism for salivating, &c. | 9 | William Phorbis | New York |
| | In stills | 20 | Stephen Steward | Walpool, New Hampshire |
| | In cotton gins | 22 | Obadiah Crawford | |
| 775 | In machines for shearing cloth | 23 | Enoch Burt | Princeton, New Jersey |
| | In saw mills | 23 | Jacob Spofford | Ipswich, Massachusetts |
| | In churns | 23 | Reuben Buck | Baltimore |
| | In the axle and box of carriages | 26 | Cyrenus Beach | Newark, New Jersey |

| | | | | | |
|-----|---|---|---------------------------------------|-------------------------------------|-----------------|
| 780 | In the filtering pot | July 1 | Michael Freytag | Philadelphia | |
| | In piano fortes, &c. &c. | 2 | Ralph Shaw | Boston | |
| 785 | Manufacturing wrought nails and brads | 8 | Jordan Dodge | Rutland, Vermont | |
| | In condensers in distillation | 9 | Thomas O'Connor | New York | |
| | Machine for making pills | 10 | Webster Lewis | | |
| | Machine for making wrought nails, &c. | 11 | Jonathan Nichols | Rhode Island | |
| | Mode of heating water in boilers of steam engines, by the rays of the sun | 11 | Matthew Longwell | Gettysburgh, Adams county, Penn. | |
| | In making Italian pastes, Macaroni, Vermicelli, &c. | 13 | John B. Sartori | Philadelphia | |
| | Machine for cutting straw | 18 | Josiah Cleaveland | Franklin county, Pennsylvania | |
| | do. | 20 | Benjamin Connor | Portsmouth, N Hampshire | |
| | Washing machine | 24 | Ebenezer Jones | Alfred, Berkshire co. Massachusetts | |
| | 790 | Apparatus for, and mode of, cleaning windows | 24 | Thomas Bruff | Washington City |
| | In preparing a vermifuge | Aug. 11 | Joseph Lehman | Philadelphia | |
| | In washing machines | Oct. 1 | Martin Lee and Timothy Barber | Oneida co. New York | |
| 795 | A churning machine | 3 | Buel Cutler | Washington, Dutchess co. New York | |
| | In stills | 3 | Edward Richardson | Fredericks Town | |
| | Moulds for casting copper sheathing nails, &c. | 6 | Thomas Millwham | Princeton, N. Jersey | |
| | In preparing green coloring matter or paint | 12 | Baron Alexis De Carren- desfez | New York | |
| | Mode of preparing leather for straps of suspenders, &c. | 14 | Orange Webb | do | |
| | Machine for planking hats and making cloth without yarn | 19 | Joseph Pitkin and Timothy Kitnball | Hartford, Connecticut | |
| | In the cheese press | 26 | Jesse Arnold | Pawlings, Dutchess co. N. Y. | |
| | 800 | Manufacturing sheet iron into funnel for stove pipes, &c. | Nov. 4 | Rich. Wheatly and James Beaumont | Boston |

| No. | INVENTIONS. | When issued. | NAMES OF PATENTEES. | RESIDENCE. |
|-----|---|--------------|--|----------------------------------|
| | | 1807. | | |
| | In manufacturing iron | Nov. 12 | James Butland | Philadelphia |
| | A plow harrow | 18 | Seth Vinton | Willington, Connecticut |
| | Manufacturing thimbles for the sails of ships, &c. | 20 | Isaiah Jennings | New York |
| 805 | A gauge setting machine for saw mills | 27 | Anson Blake | Lincoln, Kentucky |
| | In thrashing machines | 30 | Benjamin B. Bernard | Virginia |
| | For cutting and heading nails | 30 | Simon Willard | Hudson, New York |
| | For thrashing and cleaning grain | 30 | Simon Willard, jun. | do. |
| | In the water wheel | Dec. 1 | do. | do. |
| 810 | An improved still | 13 | William Thornton | City of Washington |
| | Machine for heading nails | 15 | Samuel Rogers | Plymouth, Massachusetts |
| | A churning machine | 15 | John Scripture | Alford, Buckshire, Massachusetts |
| | Manufacturing hoop and sheet iron | 24 | Jeremiah H. Pierson | Ramapo Works, Rockland, N. Y. |
| | In the rolling and slitting mills | 24 | Isaac Pierson | New York |
| | | 1808. | | |
| 815 | In making and refining sugar | Jan. 8 | Antoine Boucherie | Philadelphia |
| | Machine to facilitate the making of boots and shoes | 9 | Eli Barnum | Massachusetts |
| | Machine for manufacturing flour and meal | 22 | Oliver Evans | Philadelphia |
| | Nail cutting machine | 28 | Jonathan Hicks | Hadley, Hampshire co. Mass. |
| | In fire places or open stoves | Feb. 1 | John F. Gould | Newburyport, Mass. |
| 820 | In the fanning mill for grain, &c. | 9 | Samuel Dodge | Cleveland, Trumbull co. Ohio |
| | Machine for splitting leather and skins | 24 | William Bent | Boston |
| | In the plough | 24 | Hezekiah Harris | Bullitt, Kentucky |
| | In the common suction pump | Mar. 4 | Daniel Watson | Plymouth, Massachusetts |
| | In propelling boats | 4 | Philemon Heaton, Mark B Boyes and Philemon Heaton, junr. | |

| | | | | |
|-----|--|---------|-------------------------------------|-------------------------------------|
| | Machine for manufacturing cordage and improving its quality, &c. | March 4 | Robert Fulton and Nathaniel Cutting | N. C. Washington, R. F. New York |
| 825 | Machine for making combs | 5 | Phineas Pratt | Saybrook, Connecticut |
| | In churns | 8 | Simcon Hays | Poultney, Stuben co. New York |
| | A forcing pump with double action, applied to engines, &c. | 9 | Eleazer Cady, junr. | Chatham, Columbia co. New York |
| | A revolving churn | 10 | Nicholas King | Washington City |
| | In the churn | 11 | Stephen Stackhouse | Casanovia, Madison co. New York |
| 830 | In chimneys | 13 | Giles Gridley | Newburyport, Mass. |
| | In fire places | 14 | do. | do. |
| | A washing machine | 15 | William Wadsworth | Hartford, Connecticut |
| | Machine for propelling boats, &c. | 15 | do. | do. |
| | Machine for grinding bark and dye woods | 18 | Obadiah Pease and Asher Donalds | Norfolk, Connecticut |
| 835 | In the cyder and cheese press | 21 | Ebenezer Benedict | New Marlborough, Berk. co. Mass. |
| | For distilling or boiling water | 21 | Eli Barnum and Benjamin Brooks | do. |
| | A wheel to run under water | 21 | John Johnson | Indiana Territory, Knox. co. |
| | In churns | 22 | William W. Townsend | Sandy Hill, New York |
| 840 | A fanning mill for grain or clover seed, &c. | 23 | Oliver Barrett, junr. | do. |
| | A lever for turning wheels, for rowing boats, &c. | 25 | Roswell Hopkins | Hopkinton, St. Lawrence co. N. Y. |
| | Machine for trimming straw plat, for bonnets | 30 | Eleazer Smith | Franklin, Norfolk co. Massachusetts |
| | Mode of applying power and causing motion to machinery by the pendulum | 31 | Jedediah Tallman | Albany, New York |
| | An economical furnace or stove | Apr. 6 | Joseph Poudrell | New York |
| | Cross cut saw machine | 11 | Thomas Cohoon | Cazenovia, New York |
| 845 | In lessening the friction in axletrees of carriages, &c. | 12 | Robert Kilborn | Gt. Barrington, Berks. co. Mass. |
| | In cheese presses, &c. | 12 | Ephraim Warner | Waterbury, Newhaven co. Conn. |

| No. | INVENTIONS. | <i>When issued.</i> | NAMES OF PATENTEES. | RESIDENCE. | |
|-----|---|---------------------|------------------------------------|------------------------------------|--|
| | | 1808. | | | |
| 850 | Machine for breaking and swingling hemp and flax, &c. | April 13 | Thomas Cohoon | Cazenovia, New York | |
| | In the screw press | 14 | do | do | |
| | In faucets for drawing liquor from casks | 14 | Ira Ives | Bristol, Hartford co. Connecticut | |
| | Machine for smoothing and polishing paper and other substances | 18 | Wm. Coolidge | Boston | |
| | Mode of striping allum dressed leather for shoe binding, &c. | 20 | Samuel Frothingham and Geo. Harris | Middletown, Middlesex co. Conn. | |
| | A cylindric ruling machine | 21 | John Fairbanks | Boston | |
| | In the churn | 22 | Daniel Pierpont | New Haven, Connecticut | |
| | In the spinning wheel | 23 | Timothy Cruttenden | Poultney, Rutland co. Vermont | |
| | In manufacturing hats, cloths, &c. from a fleece or sheet taken from a carding engine, without bowing | 23 | Roswell Pitkin | East Hartford, Connecticut | |
| | In the churn | 25 | Aaron Reed | Columbia co. New York | |
| 855 | In carriages for field artillery | 25 | David Cobb | Boston | |
| | In the churn | 25 | Nehemiah Howe | Windham, Connecticut | |
| | In preparing and making twisted whalebone whips | 25 | Joseph Reeve | Newburgh, Orange co. New York | |
| | Mode of impelling boats, water or land carriages | 25 | Benjamin Taylor | New York | |
| | Machine for making rivets | 25 | Josiah Jennings | do | |
| | For making oakum | April 26 | Daniel Rider | do | |
| | A washing machine | 26 | Leonard Kennedy | Hartford, Connecticut | |
| | Machine for shearing woollen and other cloths | 26 | Ebenezer Stowell | Worcester, Worcester county, Mass. | |
| | 860 | | | | |
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|-----|--|----------|--|--------------------------------------|
| 865 | The anglet for taking and laying down angles | April 29 | Benjamin Dearborn | Boston |
| | A washing machine | May 14 | Elam King | Johnstown, Montgomery county, N. Y. |
| | In making pearl ash, in kettles, without the use of ovens | 14 | Reuben Ainsworth | |
| | The life buoy, or seaman's friend | 14 | William Flower | Philadelphia |
| 870 | A friction roller door hinge | 16 | John Bailey, junr. | Plymouth county, Massachusetts |
| | In the construction of pumps | 16 | William Rhodes | New York |
| | A floating dry dock for cleansing the bottoms of vessels | 16 | do | do |
| | In the churn | 18 | Simeon B. Willard | Bloomfield, Ontario county, New York |
| | In pressing machines | 21 | Robert Pierpoint Cunningham | Pomfret, Connecticut |
| | In the application of the whip saw | June 1 | Samuel Barber and Nehemiah U. Tompkins | New York |
| 875 | In the double lever press for tobacco, &c. | 3 | Caleb Johnson | New Glasgow, Virginia |
| | Machine for rasping dye woods | 3 | Jesse Reed | Boston |
| | In carriage springs | 3 | Enoch Ives and Jerry Hill | New Haven, Connecticut |
| | Apparatus for propelling boats across rivers by force of the current | 3 | Samuel Stilwell and Daniel T. Wandall | New York |
| | In washing machines | 4 | Martin Lee | do |
| 880 | Machine for washing, churning and getting out clover seed, &c. | 13 | Robert Patton | Columbia, Lancaster county, Penn. |
| | Machine to cut and head nails | 14 | Joseph Jelleff | Butter Nuts, Otsego county, N. Y. |
| | In the chain bridge | 17 | James Finley | Fayette county, Pennsylvania |
| | Thorough-brace springs for carriages | 17 | Jonathan Mix | New Haven, Connecticut |
| | In stoves, &c. for heating rooms | 17 | Allen Pollock | Boston |
| 885 | In the cyder and cheese press | 18 | Ebenezer Benedict | New Marlborough, Massachusetts |
| | A perpendicular washing machine | 20 | Ebenezer Jones | Alfred, Berks. county, Massachusetts |
| | Machine for sawing stone, wood, &c. | .. | do | do |
| | For shearing cloth | 21 | Simson Stewart, Eben. Hovey and Jas. Henderson | Pittstown, Ontario county, N. Y. |

| No. | INVENTIONS. | <i>When issued.</i> | NAMES OF PATENTEES. | RESIDENCE. |
|-----|--|---------------------|----------------------------------|---|
| | | 1808. | | |
| 890 | A hydrant for drawing water from aqueducts | June 22 | David Burt | Schenectady, New York |
| | In the rectification of spirits | 23 | Osborn Parsons | Hudson city, New York |
| | In lighting the binnacle of ships | 24 | Winslow Léwis | Boston |
| | In making conduit pipes, &c. from clay, &c. | 24 | Robert Ramsey | Hanover, New Hampshire |
| 895 | An illuminator for lighting stair cases, &c. | 24 | John Henry Ross | Baltimore, Md. |
| | Folding or spiral springs for carriages, &c. | 27 | James Armour, junr. | Baltimore |
| | Machine for slitting boards, plank, &c. | 29 | Ezekiel Olds | Brookfield, Worcester county, Mass. |
| | A washing machine | July 1 | Asahel E. Paine | Delhi, Delaware county, N. Y. |
| | In the churn | | 7 | Dyer Cleveland |
| 900 | A pressing and boring machine | 9 | Robert Ramsey | Hanover, New Hampshire |
| | In tanning | 9 | Samuel Parker | Bellerica, Middlesex county, Mass. |
| | In currying and finishing leather | 9 | Samuel Parker | Bellerica, Middlesex coy. Massachusetts |
| | The universal vitriolic test, for making all kind of bank or other bills | 11 | Abel Brewster | Hartford, Connecticut |
| | A washing machine | 11 | Enos Trescott | New Marlborough, Berks. co. Mass. |
| 905 | do. | 11 | Theron Henry | Bloomfield, Ontario county, New York |
| | do. | 11 | Thomas Osgood | Charleston, Middlesex county, Mass. |
| | do. | 11 | Ebenezer Lister | Killingworth, Middlesex county, Con. |
| | do. | 11 | Dudley Loomis and Ira Millington | Springfield, Otsego county, New York |
| | In the churn | 11 | Dyer Cleveland | Sheffield, Massachusetts |
| 910 | In churns | 12 | Erastus Townsend | Canaan, Columbia county, New York |
| | Machine for splitting skins | 12 | Isaac Cobb | Walpole, New Hampshire |
| | do. for cleaning rice | 12 | Jonathan Lucas, jun. | Charleston, South Carolina |
| | In distilling | 13 | Eli Barnum and Benjamin Brooks | New Marlboro, Berks. county, Mass. |
| | In funnels for filtering vessels with fluids | 13 | Philip Apple | Philadelphia |

915 In the wind mill
 In rolling tub mills
 For shaving and splitting leather
 In churns
 Machine for cutting straw
 In the spinning wheel
 920 Machine for making wheels of all sorts
 do. for hulling and cleaning rice, and
 for many other purposes
 For elevating water at mills, &c.
 Improvement in chain bridges, invented by
 James Finley
 In carriage springs
 925 Machine for raising water
 A washing machine
 In wheel carriages
 A washing and churning machine
 Machine for pressing straw or chip hats, &c.
 An elastic chair
 930 A geometrical interest table
 A washing and churning machine
 A rocking churn
 Machine for heading nails

 A fanning and winnowing mill
 935 A pump bellows for furnaces and forges
 A ratchet wheel
 In making brick
 Machine for grinding bark, for tanning, &c.
 In the taylor's bench
 940 In lightning rods

18 Uzziel Geer
 19 Samuel Bartlett
 29 Martin Tullar
 Aug. 2 John Bolton
 2 Elihu Hotchkiss
 6 Obediah Seely
 6 Jacob Coon

 8 John Thomas Ricketts
 12 William Smith

 16 John Templeman
 26 Joshua Cone
 26 William Barker
 30 Stephen W. Dana
 30 do.
 31 Stephen Winchester
 31 Samuel Prince
 31 Samuel Gragg
 Sept. 7 Gersham Cobb
 7 Garry Bishop
 8 Dan Parmele
 16 Asaph Chandler and Silas
 Shepard
 19 Benjamin Atwell
 20 Isaiah Jennings
 21 Marcus B. Parmelee
 21 Asa Frost
 22 Paul Pillsbury
 Oct. 3 William Burtis
 3 Elisha Calender

Norwich, Connecticut.
 East Windsor, do.
 Royalton, Vermont
 Philadelphia
 Battleboro, Windham county, Vermont

 Granville, New York state

 Cameron, Fairfax coy. Virginia
 Gloucester county, New Jersey

 Allegany county, Maryland
 Reading, Connecticut
 Wilkesbarre, Pennsylvania
 Rutland, Vermont
 do.
 Newtown, Connecticut
 New York
 Boston
 do.
 Cazenovia, Madison county, New York
 Dutchess county, New York

 Taunton, Bristol county, Massachusetts
 Burlington, Otsego county, New York
 New York
 Newtown, Connecticut
 Cazenovia, Madison county, New York
 Newbury, Massachusetts
 New Brunswick, New Jersey
 Boston

| <i>No.</i> | INVENTIONS. | <i>When issued.</i> | NAMES OF PATENTEES. | RESIDENCE. |
|------------|--|---------------------|-----------------------------|--------------------------------------|
| | | 1808. | | |
| | Machine for making balls and shot by pressure | Oct. 5 | Thomas Bruff | Washington City |
| | In military knapsacks | 7 | John P. Lherbette | do. |
| | In churns | 24 | Samuel Moon, jun. | Downingtown, Chester county, Penn. |
| | In ovens | 27 | John West | Stafford county, Virginia |
| 945 | A black pigment or mineral black for printing ink, or painting in oil or water | 28 | Jacob Cist | Wilkesbarre, Pennsylvania |
| | A rarefying air stove for warming rooms, &c. | 28 | Daniel Pettebone | Roxbury, Norfolk county, Connecticut |
| | In looms for weaving of every kind | Nov. 4 | Charles Cooper | Lebanon, Dauphin county, Penn. |
| | Machine for separating grain and seeds from straw, &c. | 9 | Randall Wallis | Baltimore |
| | Machine for scrubbing or scouring floors of houses, &c. | 17 | Simon B. Willard | Bloomfield, Ontario county, New York |
| 950 | In refining lamp oil | 17 | Eli Fourestier | Philadelphia |
| | In stills and rotary steam engines | 21 | Stedman Adams | |
| | In boots and shoes | 21 | Samuel Chamberlain | Boston |
| | In M'Comb's horizontal, re-acting water wheel | 23 | Joel Farnham | Owego, Tioga county, New York |
| | In ploughs | 25 | Richard B. Chenoweth | Baltimore |
| 955 | A rolling wheel on an inclined shaft | 30 | Stephen Mirick | Madison county, New York |
| | A churn and washing machine | Dec. 5 | John Devotie | Vernon, Oneida county, New York |
| | A mill for breaking plaister of paris, &c. | 8 | William Brown | Baltimore |
| | In grist mills | 8 | Rufus W. Adams | Marlboro, Windham county, Vermont |
| | An elastic trace and brace, by connected springs | 10 | Benjamin Giddins | Baltimore |
| 960 | Machine for rolling and plating iron, and cutting nails | 10 | Stephen Couch and Asa Towne | Boston |

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|-----|---|-------|----|---------------------------------------|--------------------------------------|
| | In the churn | Dec. | 10 | Luther Jones | Canton, Hartford county, Connecticut |
| | In still tubs | | 12 | Isaac Bennitt | Newtown, do. |
| | Machine for dressing shingles | | 13 | Robert Nicholson and Thomas Nicholson | Bairdstown, Kentucky |
| 965 | An alarm bell for fire engines | | 19 | James P. Parke | Philadelphia |
| | In the cheese press | | 19 | Levi Martin | Granville, N. Y. |
| | A double boiler for distilling | | 19 | Anos Gunn | New Haven, Connecticut |
| | In casting pipes or tubes | | 26 | Willard Badger | Boston |
| | Mode of suspending or hanging pleasure carriages, &c. | | 26 | Joseph Henderson | Gilford, Connecticut |
| | In the cheese press | | 27 | Hezekiah Dickerman | G. Barrn. Berkshire county, Mass. |
| 970 | In distillation | | 28 | John Dimond | Philadelphia |
| | A geer press for pressing cheese, &c. | | 28 | Hazen Erwin | Boston |
| | The vegetable pulmonic detergent | | 31 | George Rogers | Northampton, Massachusetts |
| | For cleaning clover seed | 1809. | | | |
| | Automatic forcing pump | Jan. | 6 | William Sampson and Cyrus Curtis | New Haven, Vermont |
| 975 | Machine for manufacturing dip candles | | 6 | Pliny Upham | Brookfield, Massachusetts |
| | Machine for dipping candles | | 6 | William Miller | New York |
| | In pumps | | 6 | Samuel Stansbury | do |
| | Machine for making window sashes | | 7 | Abraham Horn | Easton, Northampton county, Penn. |
| | Machine for splitting hides and shaving leather | | 7 | Joel Farnham | Owego, Tioga county, N. Y. |
| 980 | In hair combs | | 10 | Seth Boyden | Foxborough, Norfolk, Massachusetts |
| | A washing and wringing machine | | 12 | Moses Moss | Farmington, Hartford co. Connecticut |
| | A composition for the bottoms of vessels | | 14 | Septimus Tucker | Dublin, Philadelphia county, Penn. |
| | In carriages | | 14 | Jonathan Pratt | Middletown, Connecticut |
| | In fastening to window shutters, &c. | | 14 | William Ross | New York |
| 985 | In the clay conduit | | 15 | James Blanchard | do |
| | In steam boats and boilers, &c. | | 16 | Samuel Bartlett | Hartford, Connecticut |
| | Machine for heating liquids | | 16 | William Thornton | Washington city |
| | | | | Samuel Bolton | Philadelphia |

| No. | INVENTIONS. | <i>When issued.</i> | NAMES OF PATENTEES. | RESIDENCE. |
|--|--|---------------------|------------------------------------|----------------------------------|
| | | 1809 | | |
| 990 | Machine for dressing flax and hemp | Jan. 8 | Richard S. Chappel | Pawlet, Rutland county, N. Y. |
| | Machine for pounding rice, &c. | 19 | Alexander Duncan Moore | New Hanover, North Carolina |
| | A distilling apparatus | 30 | Antoine Boucherie | Philadelphia |
| | For discolouring linsced oil, imparting to it a drying quality and converting it into an uncoloured varnish | 30 | Nicholas Simon Parman- tier | Philadelphia |
| Improvement in making gin cordial, called Holland's gin | 31 | Antoine Boucherie | Philadelphia | |
| Machine for sawing timber in a circular form | Feb. 4 | James Linsey | Casenovia, Madison county, N. York | |
| Improvement in steam boats | 11 | Robert Fulton | New York | |
| 995 | For cleansing lye and melting pot ash | 11 | Jonathan Jones | Fabias, Onondago, N. Y. |
| | A washing machine | 11 | Eli F. Hill | do |
| | A flax and hemp machine | 11 | do | do |
| | An overshot strap or chain wheel, to go by water | 13 | Richard Berrian | New York |
| | Machine for propelling boats, &c. by horses | 14 | Moses Crafts | Troy, New York |
| 1000 | A thrashing and winnowing machine | 15 | Lawrence Hock | Frederick county, Maryland |
| | Mode of making paper from Alga or sea weed | 15 | Samuel Green | New London, Connecticut |
| | Machine for paring, quartering, and coring apples | 16 | Willard Badger | Boston |
| | In the mode of teaching to read | 16 | Hugh Chard | Courtland town, Washn. co. N. Y. |
| | In bellows for forges | 16 | Henry Dotterer | Philadelphia |
| 1005 | A washing machine | 16 | Aziel Blodget | Amherst, Hampshire county, Mass. |
| | For thrashing and other purposes | 17 | Robert Patten | Columbia, Pennsylvania |
| | In constructing of mills, and the means of communicating a rotary motion by an auger, spindle and spur wheel with cylindrical teeth | 18 | Samuel Mans & Jer. Black | Pennsylvania |

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|------|---|---------|--------------------------|---------------------------------------|
| | In mills by a wheel of a new construction | 22 | Ephraim Rew | Canandaigua, New York |
| | In stoves | 22 | James Fales | Newport, Rhode Island |
| 1010 | In curing tobacco | 25 | John Robinson | Charlotte, Virginia |
| | In navigating rivers and shoal waters | 24 | Michael Williams | Albany, New York |
| | Application of the pendulum to mills, &c. | Mar. 1 | Isaac Cobb | Walpole, New Hampshire |
| | In making Bene oil | 1 | William Few | New York |
| | Machine for extracting hair and cutting fur from peltry | 1 | Ephraim Cutter | Brattleboro, Windham co. Vermont |
| 1015 | In making bow strings for hatters | 1 | Daniel Nichols | New Milford, Connecticut |
| | A churn | 2 | Ira Millington | Warren, Herkimer co. New York |
| | In scows and boats | 2 | Elihu Sherman | Lansingburgh, Ranssuar co. N. Y. |
| | Machine for getting out clover seed | 3 | Samuel Condon | New Hartford, Litchfield co. Connt. |
| | Machine for thrashing grain and breaking and dressing flax, &c. | 3 | do. | do. |
| 1020 | In ovens | 3 | John Barnitt | Upper Providence, Montgomery co. Pen. |
| | A washing machine | 11 | Joseph Yarwood | New Brunswick, New Jersey |
| | A cement intended as a substitute for slates, tiles, &c. for covering houses | 13 | Charles Morneweck | Baltimore |
| | Machine for planting Indian corn, &c. in rows | 18 | John Beecher | Lycoming co. Pennsylvania |
| | Machine to facilitate the coloring and finishing of silk stuffs, &c. | 22 | Abner Stearns | W. Cambridge, Middlesex co. Mass. |
| 1025 | In washing machines | 23 | Levi Anderson | Bristol, Bucks co. Penn. |
| | A washing machine | 23 | William Buckman | Arundell co. Maryland |
| | A case or kirk to be used to prevent excavation in sinking wells and boring into loose ground | Apr. 13 | Job Cowperthwaite, senr. | |
| | Horizontal wheel for cutting and heading nails | 15 | Jesse Reed | Kingston, Massachusetts |
| | In making salt | 17 | Benjamin Wheeler | Boston |
| 1030 | A washing machine | 17 | Garry Bishop | Madison co. New York |

| No | INVENTIONS. | When issued. | NAMES OF PATENTEES. | RESIDENCE. |
|------|--|--------------------------------|---------------------------------------|---|
| | | 1809. | | |
| 1035 | In the hand saw | April 17 | Isaiah Jennings | New York |
| | A churning machine | 21 | Ezra G. Jones | Otsego, New York |
| | In harness | 21 | Benjamin Mirick | Rutland co. New York |
| | Machine for heading cut nails | 21 | Samuel Wilmot, junr. | New Haven, Connecticut |
| | A washing and wringing machine | 24 | Lemuel Bachelor | Vernon, Oneida co. New York |
| | A geometrical interest table | 24 | Gersham Cobb | Boston |
| | Improvement in currying and finishing leather of all kinds, &c. | 26 | Samuel Parker | |
| 1040 | Machine for laying out window sashes | 27 | David Worthington | Hartford, Connecticut |
| | A tide water or river wheel | May 1 | William Stubbs | Chillicothe |
| | In weaving straw with silk or thread | 5 | Mary Kies | Killingly, Windham co. Connecticut |
| | Machine for splitting leather and skins, &c. | 8 | John Woodcock | Worcester, Mass. |
| | A balance spring catch lever | 8 | Levi Kendall | New York |
| | In churns | 9 | Hezekiah Dickerman | G. Barrington, Berks. co. Massachusetts |
| | In wooden combs | 9 | Nathaniel Jones | Southington, Hartford co. Connt. |
| 1045 | In churns | 10 | George Votee | Berling, Hartford co Connecticut |
| | A cheese press | 13 | Phineas Allen | Burlington, Otsego co. New York |
| | In compounding a blue colour as a substitute for indigo | 15 | Samuel De Riemer | Poughkeepsie, New York |
| | A washing machine | 15 | Orin Chatfield | Burlington, Otsego co. New York |
| 1050 | do. | 21 | Nicholas Van Zandt | City of Washington |
| | Machine for cutting straw | 25 | Roger Haskell | Burlington, Otsego co. N. Y. |
| | A washing and churning machine | June 7 | Gardener Osgood | Madison co New York |
| | Machine for dividing and boring hubbs, &c. | 7 | James B. Cleveland | Bergan co. New Jersey |
| | A washing machine | 8 | Martin Lee | Burlington, Otsego co. New York |
| | Medicine to prevent or cure the effects of the bite of a mad dog | 9 | Elizabeth Stoy, executrix of Wm. Stoy | Lebanon, Dauphin co. Pennsylvania |
| | 1055 | For pounding the husk off rice | 9 | Jacob Reed |

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|------|---|--------|---------------------------------|------------------------------------|
| | A sea table | June 9 | William H. Richardson | Baltimore |
| | A uniform turning lathe | 10 | Amos Hagget | Middlesex co. Massachusetts |
| | A churn | 13 | John M'Coord | Washington, Dutchess co. New York |
| 1060 | A washing machine | 13 | Isaiah Jennings | New York |
| | Mill for grinding painter's colors, &c. | 13 | John J. Wells | Hartford, Connecticut |
| | In the telegraph | 14 | William Shultz | Baltimore |
| | Machine for carding wool | 14 | Daniel Smith | Philadelphia |
| | Mode of boring boxes for axletrees of carriages, &c. | 14 | Aaron Broad | Salisbury, Litchfield co. Connt. |
| | For roving flax and he p for spinning, &c. | 16 | George Brown | Schatecoke, Ransr. co. New York |
| 1065 | Machine for moving ground in rivers, creeks, &c. | 16 | William Shultz | Baltimore |
| | A water table for doors, &c. | 17 | Nathaniel Briggs | Windham, Brattleboro, Vermont |
| | In shutters for windows | 17 | Truman Bartolomew | New York |
| | A water back and towel for smiths | 24 | Oliver Ames | Plymouth, Mass. |
| | A washing machine | 24 | Thomas Pierce | Fishkill, N. Y. |
| 1070 | A worm boiler | 24 | James Truman | Philadelphia |
| | A mechanical pump | 24 | William Shultz | Baltimore |
| | Machine to lay cables and spin ropes of any size | 24 | do. | do. |
| | In the churn | 24 | Luther Thomson | Sturbridge, Worcester co. Mass. |
| | On the time and striking parts of a clock | 24 | Ira Ives | Bristol, Stratford co. Connecticut |
| 1075 | In chimneys | 26 | Lewis Lecesne | Philadelphia |
| | Machine for polishing and graining morocco leather | 26 | Jacob Perkins | Boston |
| | Mode of making combs with hoofs of cattle | 26 | Robert Gedney | New York |
| | Machine for cutting straw | 26 | Jacob Canfield | Morristown, New Jersey |
| | do for cutting nails | 27 | Luther Bissel | Hartwick, Otsego co. New York |
| 1080 | A washing machine and press | 27 | Amos Hosford and Ezekiel Kelsey | Berlin, Hartford co. Connecticut |
| | Machine to facilitate the dying of silk goods, and frame to finish them | 27 | William Barrett | |

| No | INVENTIONS | <i>When issued.</i> | NAMES OF PATENTEES. | RESIDENCE. |
|------|---|---------------------|-----------------------|---------------------------------------|
| | | 1809. | | |
| | For shearing cloth | June 27 | David Dewey | Poultney, Rutland co. Vermont |
| | Machine for cutting dyer's wood | 27 | Ephraim Hubbel | Middlebury, Addison co. Vermont |
| 1035 | For raising mud from rivers, &c. | 27 | John Newman | Providence, Rhode Island |
| | For securing a button in a lathe, &c. | 27 | George W. Robinson | do. |
| | In pumps | 28 | Jacob Canfield | Morris Town, New Jersey |
| | A trigonometre or trigon, for ascertaining the sides of angles, &c. | 28 | William Chamberlin | |
| | A hemp and flax spinning machine | 28 | Nathaniel Foster | Flamingsbury, Kentucky |
| 1090 | A washing machine | 30 | Timothy Freeman | Madison county, New York |
| | Machine called the wheat rubber | July 1 | James Deneale | Dumfries, Prince William county, Vir. |
| | The rapid jack, for ascending rapids | 3 | Augustus Sacket | New York |
| | A spiral float wheel mill | 5 | Fitch Ives | Lisle, Broome county, New York |
| | For manufacturing light hats | 6 | Henry Lainhart, jun. | Baltimore |
| 1095 | In hair combs | 6 | Timothy Stanley | Southington, Harford county, Con. |
| | Machine for tempering clay | 6 | John Mathews | Baltimore |
| | Mode of distilling spirits from corn stalks, &c. | 6 | Burgiss Allison | Philadelphia |
| | A revolutionary astronomical time keeper, &c. | 7 | Theodore Newell | Sheffield county, Massachusetts |
| | An over balanced pendulum lock | 7 | Samuel Goodwin | Baltimore |
| | A twisting or bobbing machine, for weaving the wire-work of paper maker's moulds, &c. | 7 | Phares Bernard | Whitestown, Oneida co. New York |
| 1100 | A pipe or grate boiler and heater | 7 | Samuel Bolton | Philadelphia |
| | A turning lathe | 10 | William Ross | Chester county, Pennsylvania |
| | A spiral truss | 13 | Philip A. de Savignac | New York |
| | In pruning shears | 13 | Simeon Jocelin | New Haven, Connecticut |
| | Machine for riving and shaving shingles, &c. | 15 | Jacob Balcomb | Reading, Steuben county, New York |

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|------|---|---------|------------------------------------|--|
| 1105 | In manufacturing shot | 17 | John William Jope | Philadelphia |
| | A cheese press | 18 | Benjamin Atwell | Burlington Otsego county, New York |
| | A planting plough | 18 | Frederick Woodward | New Lisbon, do. |
| | Machine for cutting screws of wood | 19 | Abel Stowell | Worcester, Massachusetts |
| | A balance wheel uniform working pump | 25 | James Josslyn | Hanover, Plymouth county, Mass. |
| 1110 | A stump lifting machine | 27 | David Stone | Clearmont, New Hampshire |
| | In the cabouse | 27 | George Youle | New York |
| | In the wood saw | 31 | James Hamilton | Brookfield, Worcester county, Mass. |
| | A double podded centre screw auger | 31 | Ezra L'Hommedieu | Saybrook, Middlesex county, Con. |
| | In hot pressing ali kinds of paper, &c. | 31 | Francis Bailey | Salisbury P. O. Philadelphia and Lancaster turnpike road |
| 1115 | Improvement in the hydraulic ram | Aug. 3 | Joseph Cerneau & Stephen S. Hallet | New York |
| | A churn | 10 | Thomas Nicholson | Nelson county, Kentucky |
| | Machine for planing boards | 11 | Christian Ritter | Beaver, Northumberland co. Penn. |
| | A washing machine | 12 | Shubael Kimball | Rhinebeck, Dutchess county, N. York |
| | A churn | 15 | Benjamin U. Laphis | Durham, Stafford co. N. Hampshire |
| 1120 | A truss for the prevention and cure of ruptures | 17 | Joseph Cerneau | New York |
| | A wheel to operate by wind or water | 18 | William L. Bakewell | New Haven, Connecticut |
| | A flax dressing machine | 23 | Jonathan Barlow | Granville, Massachusetts |
| | The Barbal Alkahest, or Magic Lotion | 24 | John Hopkins | Philadelphia |
| | A horizontal mill | 25 | Israel Kelsey | Hartford, Connecticut |
| 1125 | Machine for paring and coring apples | 25 | Stephen Cruttenden | Gilford, Newhaven county, Con. |
| | A nail machine | Sept. 1 | Joseph Elgar, senr. & John Elgar | York Town, Pennsylvania |
| | In ameliorating spirits and wines, &c. | | William Thornton | Washington City |
| | A mode of imitating natural mineral waters, &c. | 7 | Joseph Hawkins | Baltimore |
| | Machine for making horse shoes | Oct. 11 | Stephen Decatur & William Tatham | |
| 1130 | A churning machine | 11 | Nathaniel Harrington | Whites Town, Oneida county, N. York |

| No. | INVENTIONS. | When issued. | NAMES OF PATENTEES. | RESIDENCE. |
|---|--|--|----------------------------------|----------------------------------|
| | | 1809. | | |
| 1135 | In cotton twisting frames, denominated the Delaware spinner | Oct. 11 | Jacob Alricks | Wilmington, Delaware |
| | Improvement in the steam engine, for boats, mills, &c. | 12 | Daniel French | New York |
| | In the striking part of a clock | 12 | Lemuel J. Kilborn | Pennsylvania |
| | Machine to press cheese, cyder, oil, tobacco, &c. | 12 | Israel Nichols | Otsego county, New York |
| | Machine for furrowing two or three furrows at a time, and dropping corn, &c. | 12 | Martin Nichols & Israel Nichols | do. Pennsylvania |
| 1140 | In casting wheels for clocks, &c. | 13 | Lemuel J. Kilborn | Pennsylvania |
| | The bureau dressing table | 13 | Nathaniel Perry | Boston |
| | A washing machine | 14 | Rozel Philips | Otsego county, New York |
| | A trip hammer | 14 | John Smith | do. |
| | A churning machine | 14 | Benjamin Atwell & Israel Nichols | do. |
| 1145 | A mould for running cart boxes | 17 | Samuel Smith, 2d. | Amherst. Hampshire county, Mass. |
| | In melting metals, &c. | 17 | Joseph Walworth | New York |
| | Machine for manufacturing bricks, tiles, &c. | 17 | John F. Gould | Newburyport, Massachusetts |
| | Machine for stripping leather | 26 | David Ridgway | |
| | For splitting shingles | 31 | Joseph Coppinger | Baltimore |
| | A planing machine | 31 | do. | do. |
| | For threshing and cleaning grain | 31 | do. | do. |
| A washing machine | Nov. 3 | Robert Robinson | Leesburgh, Virginia | |
| Machine for binding and securing cotton, hay, &c. | 7 | David P. Simmons & Condy Raguet, administrators of James Simmons | Philadelphia | |

| | | | | | |
|------|--|------|----|--|--|
| 1150 | A horizontal water wheel | Nov. | 20 | David Parmelee | Redding, Fairfield county, Connecticut |
| | A churn | | 20 | Enoch Burt | Princeton, New Jersey |
| | Machine for manufacturing spoons | | 20 | Isaiah Bisbee | Bath, Lincoln county, Massachusetts |
| | Improvement in Wm. Bent's machine for splitting hides and skins | | 20 | William Brown | Philadelphia |
| | Machine for cleaning rice | | 21 | Roswell King | Darien, Glyn county, Georgia |
| 1155 | Mode of distilling with cast iron stills | | 21 | Joseph Coppinger | Beaufort, South Carolina |
| | In casting iron, brass and composition nails | | 22 | Joseph Walworth | New York |
| | Mode of preserving animal and vegetable substances | | 23 | Joseph Coppinger | Beaufort, South Carolina |
| | In the application of heat to fluids | | 22 | Samuel Applegate, Thomas Howard and Peregrine H. Wharton | Philadelphia |
| | A metallic writing pen | | 22 | Peregrine Williamson | Baltimore |
| 1160 | A flexible platform for giving motion to wheels and machinery of all kinds | | 22 | John Johnson, jun. | Charleston, South Carolina |
| | A circular saw mill or machine | | 24 | George Huling | Shaftsbury, Vermont |
| | In geometrical writing plates | | 25 | Samuel Ellis | |
| | A thrashing machine | | 29 | John Meriwether Syme | New Bedford, Bristol county, Mass. |
| | In the mariner's or surveyor's compass | Dec. | 1 | William Russell | do |
| 1165 | A double bored pendulum pump | | 5 | Atkinson Farra | Montgomery county, Pennsylvania |
| | An improved balance wheel pump | | 8 | Lewis Schrack | Norristown, Montgomery county, Pen. |
| | A churn | | 8 | John Witmore | Litchfield, Connecticut |
| | In the fishing seine and mode of using it | | 16 | Philip Groff | Little York, Pennsylvania |
| | Machine for sawing felloes for wheels, &c. | | 20 | William E. Sheffield | New York |
| 1170 | A floating mill and silent fisher | | 21 | Ebenezer Ford | Charleston, South Carolina |
| | A sawing machine | | 21 | Ezekiel Olds and Pliny Upham | Worcester, Mass. |
| | Machine for drilling rocks, &c. | | 21 | Elihu Jones & Philip White | Brookfield, Worcester county, Mass. |
| | A thrashing and shelling machine | | 27 | Asa Cady | Florida, Montgomery county, N. York |
| | A hemp break | | 28 | William Mason | Washington county, Ohio |

| No. | INVENTIONS. | When issued. | NAMES OF PATENTEES. | RESIDENCE. |
|------|---|--------------|--------------------------------|--|
| | | 1809. | | |
| 1175 | A chain band with buckets or float boards, to give motion to the machinery of mills | Dec. 28 | Stephen Belknap | New York |
| | In the construction of steam engines and boilers, &c. | 1810. | | |
| | In plating gun barrels, locks, &c. | Jan. 3 | John Stevens | do. |
| | In the trip hammer | 4 | John Fowler | Lancaster, Pennsylvania |
| | A churn | 8 | Ezra Osborn | Berkshire county, Mass. |
| 1180 | Machine for carding and spinning wool by one continued operation | 8 | David Osborn | do. |
| | In plating horn combs with tortoise shell | 8 | Alanson Holmes | Pomfret, Niagara county, New York |
| | A coopering machine | 8 | John P. Spies | Baltimore |
| | In the marine time keeper | 8 | Oliver Barber | Hartford, Connecticut |
| | A machine for compressing sole leather | 15 | Isaac Gill | Charleston, South Carolina |
| 1185 | A hepper blower | 18 | Jonathan Elliot | Sharon, Litchfield county, Connecticut |
| | An universal protractor | 18 | Thomas S. Barnum | do. |
| | For sawing timber, &c. without a stub short | 19 | Emion Williams | Philadelphia |
| | For thrashing and cleaning grain | 20 | Elisha Cook | Bethlehem, Berkshire county, Mass. |
| | For thrashing grain and seed | 25 | Joseph Comfort | Bucks county, Pennsylvania |
| 1190 | A circular printing press | 25 | John Comfort | do. |
| | A water elevator | Feb. 1 | John P. Sawin & Thomas B. Wait | Boston |
| | In sinking wells, in or under water | 1 | John Herrick, junr. | Albany, New York |
| | A washing machine | 1 | Peleg Easton | Nantucket, Massachusetts |
| | Manufacturing Barilla from tobacco stems, corn stalks, &c. | 1 | Syvester Noble | Hosick, Rensselaer county, New York |
| 1195 | Loom for weaving girt and cloth, &c. with one hand | 5 | George Easterly | Richmond, Virginia |
| | | 8 | Robert Lloyd | Philadelphia |

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|------|--|---------|------------------------------------|--------------------------------------|
| | A jointer and guage machine | Feb. 10 | John Wadsworth | Milton, Massachusetts |
| | Method of making sheaves for blocks | 12 | Enoch Colman Toppan | Essex, Newburyport, Massachusetts. |
| | Machine for extracting hair from peltry | 12 | Ephraim Cutter | Walpole, Cheshire county, N. Hamp. |
| | In the refining of camphor | 12 | Henry Mead | New Haven, Connecticut |
| 1200 | Mode of engraving and printing important papers, to prevent counterfeits | | | Philadelphia |
| | In stove pipes | 13 | George Murray | Cheshire, New Hampshire |
| | Sawing plank or timber, so as to leave no stub short | 13 | John Parkhurst, jun. | |
| | Measuring grain and seed, &c. | 15 | John Sweet | Bethlehem, Berkshire county, Mass. |
| | A mortising machine | 15 | Peter H. Schenck | New York |
| 1205 | In the weaving machine | 15 | Henry Parmele | Killingworth, Middlesex county, Con. |
| | Machine for cleaning grain and destroying insects | 16 | Walter Janes | Ashford, Windham county, Con. |
| | A system of signals for vessels | 20 | Joel Morgan | Baltimore |
| | A pendulum scale | 21 | Nathaniel Shaler | New York |
| | A cheese press | 21 | Moses L. Morse | Cambridge, Middlesex county, Con. |
| 1210 | A machine for pressing cotton, &c. | 21 | Ebenezer Raymond | Sherburn, Chanango county, New York |
| | Improvement in the construction of bridges and other architectural works | 22 | Richard V. W. Thorne & John Thorne | New York |
| | Machine for raising grain, by blowing, &c. | 23 | Joseph Joshua Dyster | Philadelphia |
| | Moulds for casting boxes for carriage wheels | March 5 | Jeremiah Baily | Chester county, Pennsylvania |
| | In the churn | 5 | Leonard Farwell | Lancaster, Worcester county, Mass. |
| 1215 | In bridges | 5 | Benjamin Fairbanks | Worcester, Massachusetts |
| | In the saw mill | 6 | John Templeman | Georgetown, Columbia District |
| | A nail cutting machine | 7 | Abel Wrigl | Canaan, Columbia county, New York |
| | A stop carpenter's boring machine | 8 | Briggs Rogers Reid | Danvers, Essex county, Massachusetts |
| | A mitre point borer | 8 | Benjamin Hall | Canaan, Columbia county, New York |
| 1220 | A spring bolt and key, for raising and fastening windows, &c. | 8 | do. | do. |
| | A machine for moulding and rolling iron, &c. | 8 | Roger Smith | Norwich, New London county, Con. |
| | | 14 | Josiah White | Philadelphia |

| No. | INVENTIONS. | <i>When issued.</i> | NAMES OF PATENTEES. | RESIDENCE. |
|------|---|---------------------|------------------------------------|---------------------------------------|
| | | 1810. | | |
| | For planking hats | March 14 | John Gregg | Green county, Pennsylvania |
| | For sawing timber | 14 | Adonijah Jones, jun. | Bethlehem, Berkshire, Massachusetts |
| | In rollers for sheaves of blocks | 14 | Mark Loughton | Portsmouth, Rockm. co. N. Hampshire |
| 1225 | Machine for separating onion seed from grain | 16 | Lazarus Ruggles & Daniel Tomlinson | Brookfield, Connecticut |
| | Machine for mortising and tenanting, &c. | 17 | Sylvanus Baldwin | Mt. Pelier, Caledonia county, Vermont |
| | A distilling apparatus | 17 | William Chamberlin | Representative from Vermont |
| | Machine for shaving hoops out of split timber | 17 | David Shriver | Petersburg, Adams county, Penn. |
| | Process of and machinery for stamping and staining leather, &c. | 19 | Robert Robinson | Newburyport, Massachusetts |
| 1230 | In the spinning wheel | 19 | Winsor Drury | Brookfield, Worcester county, Mass. |
| | Machine for beating out rice, &c. | 19 | John Beck & Joseph Coppinger | Beeks-ferry, South Carolina |
| | For driving the whip saw | 19 | Joseph Coppinger | Frederick, Georgia |
| | Propelling and navigating boats, vessels, rafts, &c. | 22 | Abrm. Gulielmus Domini Tuthill | New York |
| | Machine for making mortar | 22 | Daniel Hunt | Stanford, Connecticut |
| 1235 | In the gas lamp | 24 | David Melville | Newport, Rhode Island |
| | A pressing machine | 26 | Richard V. W. Thorne & John Thorne | New York |
| | A horizontal pump | 28 | Luther Holland | Belcherston, Hampshire, Massachusetts |
| | Machine for manufacturing ivory combs | 28 | David Williams, 3d. | Saybrook, Middlesex county, Con. |
| | In manufacturing salt | 28 | Benjamin Wheeler | Boston |
| 1240 | Screw grist mill | 28 | Joseph L. Miller | Brookfield, Madison county, N. York |

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|------|---|----------|--------------------|------------------------------------|
| | A thrashing machine | March 30 | Joseph Beach | Northfield, Massachusetts |
| | do. | 30 | Isaiah Jennings | Brookfield Madison county, N. York |
| | For spinning flax | 31 | Alpheus Webster | Green county do. |
| 1245 | A perpetual still and evaporator | April 2 | Robert Gillespie | Seneca county, do. |
| | In water wheels for mills | 2 | Jonathan Minor | Saratoga county, do. |
| | Wheel wright's labor-saving machine | 4 | Mellen Battle | New York state |
| | Earthen or clay tubes for aqueducts | 4 | James Ramsey | Burke, Caledonia county, Vermont |
| | A funnel with a vent | 9 | David Clark | West Stockbridge, Berks. co. Mass. |
| 1250 | A marble or pipe stone turner | 9 | do. | do. |
| | Machine for cutting, chiselling and polishing marble, &c. | 10 | Anson Clark | do. |
| | A horse mill | 10 | Ephraim Brown | |
| | A saw and grist mill | 10 | Joseph Ennals | New Market, Dorchester co. Md. |
| | A trip hammer | 11 | Elisha Downer | Duceyter, Madison county, N. N. |
| 1255 | In the heads of spinning wheels | 11 | Amos Miner | Marcelles, Oneida, New York |
| | A churn | 11 | Aaron Smith | Tyngsborough, Middlesex co. Mass. |
| | In beehives | 11 | John Sweet | Bethlehem, Berkshire county, Mass. |
| | In the quadrant | 14 | Josiah Arnold | Caledonia, Vermont |
| | Machine for pressing clothes | 14 | Joseph Sage | Berlin, Hartford, Connecticut |
| 1260 | In the turnpike gate | 16 | Jeremiah Brainard | Canaan, Columbia county, New York |
| | In the flax machine | 16 | Oliver Wilde | Canaan, Columbia county, New York |
| | A cylinder roller, for distributing ink on copper plates, for copper plate printing | 17 | Andrew Maverick | New York |
| | A cheese vat. for forming pine apple cheese | 17 | Lewis Mills Norton | Goshen, Litchfield county, Con. |
| | Machine for breaking dough | 17 | Cromweil Barnard | Nantucket county, Massachusetts |
| | In constructing chimneys to prevent smoaking | 18 | Oliver Richardson | Medway, Norfolk county, Mass. |
| 1265 | In preparing carbonated silk and paper, for multiplying writings | 20 | Joseph Hartshorne | Philadelphia |
| | In lamps and the liquid to be burned therein | 21 | Joseph Hawkins | Baltimore |
| | Machine for cutting fur from skins and pelts | 21 | Martin Clark | New York |
| | do. for raising water | 24 | Samuel Currey | Williamson county, Tennessee |

| No | INVENTIONS. | When issued. | NAMES OF PATENTEES. | RESIDENCE. |
|------|---|--|---|--|
| | | 1810. | | |
| 1270 | Machine for sawing wood, &c. in a circular form In coaches and other carriages Machine for pricking leather to be stitched do. for cutting and dressing feloes A washing and churning machine A spring tree saddle A trip hammer In wind mills Machine for shaving and splitting hides, &c. In the manufacturing of tobacco A fanning mill In wheel carriage boxes In casting metal crews Machine for cutting tennons in wood do. for trying sash stuff, &c. In manufacturing military hats In distilling by steam Machine for sawing boards, &c. A boring machine Machine for turning gun barrels Elastic piston bellows A saw mill to be worked by hand, &c. A varnish for leather Machine for shelling corn | April 24 24 24 25 25 25 25 25 25 25 27 28 28 28 28 30 May 1 1 1 1 1 3 5 8 | Roger Smith Frederick Bremler Robert U. Richards and Mills Richards Samuel Church Jesse Roberts David C. Mosely Oliver Ames Russel H. Wright Nathaniel P. Whiting Peter Lorillard Samuel Snedeker John Nicholson John Nicholson Ebenezer Basford & Elisha Johnson Ebenezer Basford Shubael Hoskin John Morris Bennett Oliver Judd, jun. John Webster Seth Youngs Henry Dotterer George Harris John David John Heavin | Norwich, New London, Connecticut New York Norfolk, Litchfield county, Con. Amherst, Hampshire county, Mass. Germantown, Pennsylvania Boston Plymouth, Massachusetts Boston Providence, Rhode Island New York Johnstown, Montgomery co. New York Town and co. of Herkimer, do. Herkimer, do. Livermore, Oxford county, Mass. do. Catskill, Green co New York state Middletown, Middlesex county, Con. Loudon, Berkshire county, Mass. Gt. Barrington, Mass. Hartford, Con. Philadelphia do. do. Frederick town, Maryland |

| | | | | |
|---------------------------------|---|---------------------------|-----------------------------------|--|
| 1295 | Machine for cutting fur from peltry | 9 | Eleazer Sprague | Danbury, Fairfield county, Connecticut |
| | For shearing cloth | 9 | do. | do. |
| | do. | 15 | Herman Mathews | Delaware |
| | An elastic lamp reflector, or elastic tubes | 17 | Josiah Flag & Josiah Flagg jr. | Boston |
| | for Argand's lamps | 17 | John P. Sawin and Jacob | Roxbury, Norfolk county, Mass. |
| | In the tide mill | | Skinner | Philadelphia |
| | In suspenders | 18 | James Davis | Boston |
| 1300 | A mining auger | 18 | Perkins Nichols | Boston |
| | Improvement in shearing cloth | 24 | Beriah Swift | New York |
| | In medicine, being a preparation called Lee's | | | |
| | (Windham) billious pills | 24 | Samuel Lee | New London, Connecticut |
| A pumping machine | 28 | Royal Yeamans | Springfield, Massachusetts | |
| Machine for making saddle trees | June 1 | Reuben Fairchild and Eben | Fairfield, Trumbull county, Conn. | |
| | | | Fairchild | Woodbury, Litchfield county, Conn. |
| 1305 | Machine for cleaning grain and seeds | 8 | William H. Peabody | Boston |
| | A reflecting and magnifying lantern | 8 | Winslow Lewis | do |
| | A perpetual balance scale | 9 | Russel H. Wright | Providence, Rhode Island |
| | A pendulum machine for various purposes | 13 | Joseph Lefever | Providence, Rhode Island |
| | A fly or trip hammer | 16 | Joseph Hines | |
| | Copperplate printing, and modes of prevent- | | | |
| ing counterfeits | 16 | Jacob Perkins | Boston | |
| 1310 | In fire places | 18 | Ebenezer Whiting | Gt. Barrington, Mass. |
| | In winding and spinning wire | 18 | Henry Burke | Philadelphia |
| | An apparatus for distilling | 21 | Augustus Tobey | Alford, Berkshire county, Mass. |
| | A mode of breaking horses and cattle | 23 | David Cooley | Orange county, New York |
| 1315 | A washing machine | 26 | Isaac Loosborow | New York |
| | In boat and ship building | 27 | William Phoebus | do |
| | In rolling iron round for ship bolts, &c. | 27 | Clement Rentgen | West Chester, Pennsylvania |
| | In fire places | 27 | Charles D. Cooper | Albany, New York |
| | In making printer's ink | 28 | Berry Chase | New London, Conn. |
| | In constructing mills | 30 | Jeremy Frisbie | Pennsylvania |
| 1320 | In casting hinges | July 3 | George A. Rogers | Newburyport, Mass. |

| No. | INVENTIONS. | When issued. | NAMES OF PATENTEES. | RESIDENCE. |
|------|--|--------------|------------------------------|---------------------------------------|
| | | 1810. | | |
| | In moulds for casting boxes for carriage wheels | July 6 | Samuel Smith, 2d | Amherst, Massachusetts |
| | A flat bottom boat with moveable keels | 7 | Samuel Buel | Burlington, Vermont |
| | Machine for drying corn and grain of all kinds, &c. | 7 | Benjamin Parry | Bucks county, Pennsylvania |
| | Machine for boring blocks for cartouch boxes, brushes, &c. | 10 | Valentine Bogenreiff | George Town, Ca. |
| 1325 | A cylindrical leather splitting mill | 12 | Phineas Dow | Boston |
| | Machine for shaving shingles | 13 | Abiel A. Cooley | Bolton, Connecticut |
| | In distilling | 13 | Michael Garber, senr. | Staunton, Virga. |
| | A draining plough | 13 | Stephen Hall | Boston |
| | In manufacturing cut nails, cut points and cut brads | 17 | Jacob Perkins | do |
| 1330 | Machine for smoothing linen | 17 | Wm. P. Smith and Jacob Odell | Durham, Stafford co. New Hampshire |
| | Machine for shaving and dressing shingles, &c. | 26 | Daniel Newel | Saratoga, N. Y. |
| | A churning machine | 26 | Ephraim Bacon | Hancock county, Mass. |
| | Machine for boiling water and producing steam | 26 | John H. Williams | Brunswick, New Jersey |
| | A Chinese chain pump for raising water | Aug. 2 | Jeremiah Black | Northumberland, Pennsylvania |
| 1345 | Machine for cutting dye woods | 13 | Jedediah Richards, 3d | Norfolk, Litchfield co. Connecticut |
| | In tanning hides | 14 | Edward Sizer | Spread Eagle P. O. Delaware co. Penn. |
| | An excentric roller nail machine | 14 | John Fairbanks | Boston |
| | For cramping Suwarrow boot legs | 14 | Eleazer Lumdy | New York |
| | The Grecian chaise body | 15 | Phineas Dow | Boston |

| | | | | | |
|------|--|-------|----|--|---------------------------------------|
| 1340 | Machine for thrashing, fanning and cleaning grain | Aug. | 15 | Ezekiel Miller and John Andrews | Westmoreland, Oneida co. N. Y. |
| | Mode of saturating water and other liquids with carbonic acid gas, &c. &c. | | 16 | Charles D. Simons & Jean J. Riodel | Charleston, S. Carolina |
| | In the mode of winding the thread and quills of a shuttle for weaving, called the thread guiding quill wheel | | 16 | Levi Ruggles | Boston |
| | In making harness for carriages and saddlery | | 16 | Benjn. Foster, Danl Washburn, Northorp Rockwell & Jas. O. Walker | Castleton, Rutland co. Vermont |
| | The socket hair comb | | 16 | Eli Parsons | Bristol, Connecticut |
| 1345 | In the churn | | 17 | Simeon Gray | Genessee, N York |
| | The domestic spinner | | 17 | Ebenezer Hearrick | Albany, N. York |
| | Machine for cutting and heading nails at one operation | | 18 | Brigs Rogers Reid | Salem, Massachusetts |
| | Machine for winding spools and bobbins for weaving. | | 20 | Walter Janes | Ashford, Connecticut |
| | In making brick or artificial stone without burning | | 21 | Joseph B. Harris | Philadelphia |
| 1350 | A machine for making bricks and tiles | | 22 | Daniel French | New York |
| | An apparatus for propelling boats by steam. &c. | | 29 | Ralph Letton | Albany, New York |
| | A windlass lever press | | 31 | Thaddeus Williams | Philadelphia |
| | In making rifle guns | | 31 | Elisha Strong and Cotton Killogg | New Harford, Litchfield, Connecticut |
| | Machine for swaing or setting shovels, &c. | | 31 | Upton Reid | Near Jopper Cross Roads, Harford, Md. |
| 1355 | Machine for breaking flax and hemp | | 31 | Nathaniel Perrine Robinson | Fleming county, Kentucky |
| | A new constructed loom | Sept. | 1 | Water Janes | Ashford, Connecticut |
| | A double screw press | | 4 | Elisha Winter | New Orleans |

| No. | INVENTIONS. | <i>When issued.</i> | NAMES OF PATENTEES. | RESIDENCE. |
|------|--|---------------------|---------------------------------|------------------------------------|
| | | 1810. | | |
| 1360 | A carriage block for sawing timber, &c. without a stubshort | Sept. 6 | William Underwood | Herkimer, New York |
| | A Columbian balance | 8 | William Granger | Middlebury, Vermont |
| | A smook conductor | 11 | John C. Teale | New York |
| | A weaving machine | 12 | Samuel Blydenburgh | West Brookfield, Massachusetts |
| | Machine for cutting and heading nails at one operation | 16 | Jesse Reed | Kingston, Plymouth county, Mass. |
| | In making elastic clear starch, &c. from wheat, in making spirits from the residue, and taking mildews, &c from linen | 16 | Elijah Perkins | Shrewsbury, Monmouth county, N. J. |
| 1365 | In steering vessels | 18 | John Philips and James Smallman | Philadelphia |
| | Machine for cutting and heading nails at one operation | 26 | William Miller | New York |
| | In teaching the art of writing | Oct. 1 | Samuel Randal | Warren, Rhode Island |
| | A composition for the cure of the scrophula and cancer | 8 | Elias Willard | Albany, New York |
| 1370 | A washing machine | 8 | William Jackman | Painesville, Ohio |
| | Machine for cutting smoaked beef | 9 | Seth R. Kneeland | |
| | Machine for sawing various articles of carpenter's, wheelright's, joiner's and cooper's work | 52 | David Parmelee | Redding, Fairfield co. Conn. |
| | A currying knife | 25 | Stephen Parsons | Parsonsfield, Massachusetts |
| | Improvement in the boiler invented by and patented to Timothy Kirk, and in the rectifying still patented to Wm. Chamberlin | 29 | William Eaton | Baltimore |

| | | | | |
|------|--|--------|--------------------------------------|---------------------------------|
| | In preparing quercitron, or black oak bark, for dying and tanning | 30 | Nathan Harper | Frankfort, Pennsylvania |
| | In water wheels, a compound wheel and chain or band wheel for propelling boats by steam, &c. | Nov. 1 | Pinder Antrim and Samuel Bolton | Philadelphia |
| 1375 | Machine for splitting and shaving skins and leather | 1 | Philip White | Worcester, Brookfield, Mass. |
| | In stoves | 6 | Augustus Graham, | Fredericktown, Maryland |
| | In the windlass and capstan | 6 | John Galvin | Philadelphia |
| | A horizontal double forcing pump for fire engines, &c. | 6 | Eli Smith | Palmer, Hampshire co. Mass. |
| | A mode of destroying the Hessian fly and Weavel, or preventing it from injuring wheat or grain | 13 | William Armistead | Prince William co. Virginia |
| 1380 | In the loom | 17 | Philo Clinton Curtis | Paris, Oneida co. New York |
| | A steam still and water boiler | 17 | Phares Bernard | Whitestown, Oneida co. New York |
| | Machine for cutting tan bark and softening hides, fulling cloth, and for a grist mill, &c. | 20 | Chester Griswold and Hosea E. Potter | Otsego, New York |
| | Machine for boiling potatoes, pumpkins or other food, for cattle or swine, by steam | 20 | Hosea E. Potter | Otsego, New York |
| | A crank engine for raising and throwing water | 21 | Joseph Clap | Montague, Hampshire, Mass. |
| 1385 | In grated fire places | 24 | Augustus Graham | Fredericktown, Maryland |
| | In heating water in vats to expedite the tanning of leather, &c. | 24 | Allen Henderson | Gt. Barrington, Berks co. Mass. |
| | In wooden C springs for carriages | 27 | William Robinson | Wilmington, Delaware |
| | A water wheel for mills | Dec. 5 | Aaron Reuck | Chilicothe, Ohio |

| No | INVENTIONS. | When issued. | NAMES OF PATENTEES. | RESIDENCE. |
|------|--|--------------|-------------------------------|---------------------------------|
| | | 1810. | | |
| | In the method of using the common screw auger | Dec. 11 | Oliver Stetson and Wm. Sebree | Georgetown, Boone co. Kentucky |
| 1390 | A washing machine | 15 | Daniel Robinson | Franklin, Delaware co. New York |
| | For coring and quartering apples | 15 | Cyrus Gates | Rutland co. Vermont |
| | A thrashing machine | 15 | Daniel C. Arnold | |
| | A double perpetual still and mode of using it | 22 | John James Giraud | Baltimore |
| | A diving dress | 24 | Chauncy Hall | Connecticut |
| 1395 | In manufacturing hats | 26 | Samuel Tibballs, junr. | Tyriagham, Berkshire co. Mass. |
| | Improvement in their sawing machine. patented 21st Dec. 1809 | 26 | Ezekiel Olds and Pliny Upham | Brookfield, Mass. |
| | In window springs | 27 | George Cannon | Nantucket, Mass. |
| | Machine for printing calico and paper | 28 | Leonard Beatty | Wilkesbarre, Luzerne co. Penn. |

LETTER

FROM

THE SECRETARY OF STATE,

TRANSMITTING,

IN OBEDIENCE TO A RESOLUTION

OF THE

HOUSE OF REPRESENTATIVES OF THE THIRTEENTH INSTANT,

A LIST OF THE NAMES OF PERSONS

TO WHOM PATENTS HAVE BEEN ISSUED FOR ANY NEW

OR

USEFUL INVENTION,

FROM

THE TWENTYEIGHTH DECEMBER, 1810,

TO

THE FIRST JANUARY, 1812.

JANUARY 21st, 1812.

ORDERED TO LIE ON THE TABLE.

WASHINGTON CITY:

PRINTED BY ROGER CHEW WEIGHTMAN.

1812.



DEPARTMENT OF STATE,

JANUARY 20th, 1812.

SIR,

IN pursuance of the resolution of the House of Representatives of the United States, dated the 13th instant, I have the honor of transmitting a list of the names of persons who have invented any new or useful art, machine, manufacture or composition of matter, or any improvement thereon, and to whom patents have been issued for the same, from this office, from the 28th day of December, 1810, to the 1st day of January, 1812, with the dates and general objects of such patents; and also, the residence of the patentees, as far as they could be ascertained.

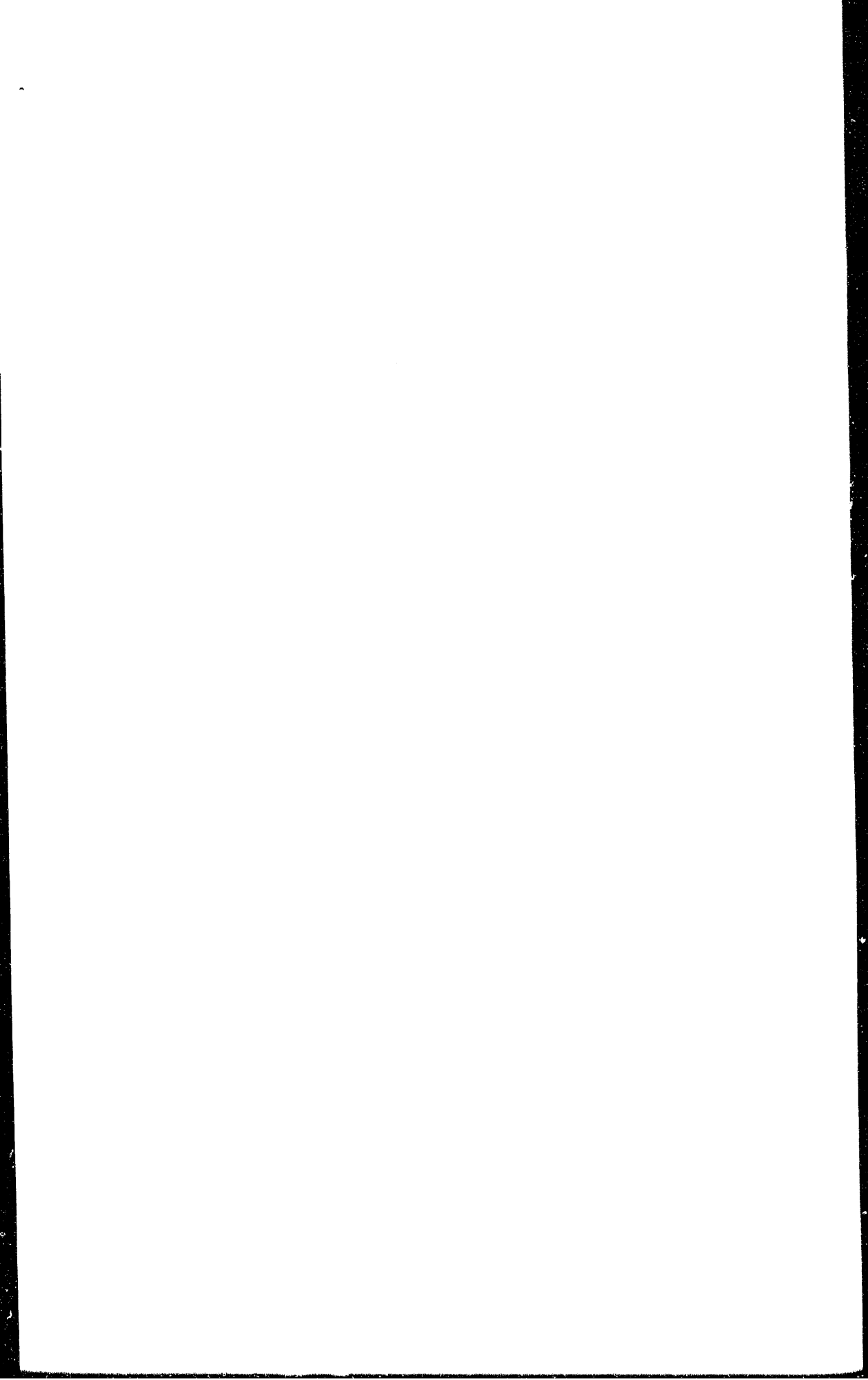
I have the honor to be, Sir,

With the greatest respect,

Your obedient servant, &c.

JAMES MONROE.

*To the Hon. The Speaker of the
House of Representatives of the U. States.*



| No | INVENTIONS. | When issued. | NAMES OF PATENTEES. | RESIDENCE. |
|----|--|--------------|----------------------------------|-------------------------------------|
| | | 1811. | | |
| | A perpetual steam still and water boiler, | Jan. 11 | Philo M. Hackley, | Herkimer county, New York. |
| | In drying fuel for glass furnaces, - - | 14 | James Lee, | Philadelphia. |
| | Improved cocks or locks for the passage of fluids, - - - - - | 16 | Joshua Witherle, | Boston. |
| | A steam pump, - - - - - | 16 | Phares Bernard & Timothy Soper, | Whitestown, Oneida county, N. York. |
| 5 | A water boiler and steam still, - - | 16 | Phares Bernard, | Do. |
| | A chain float steam boat, - - - | 17 | Michael Morrison, | Boston. |
| | Improvement in the sleigh, - - - | 19 | Augustus Day, | Bordentown, New Jersey. |
| | A new power by means of combustion, or combustion and explosion, - - | 19 | Do. | Do. |
| | In co operating frictionless cylinders, | 24 | John P. Sawin, | Roxbury, Norfolk, Massachusetts. |
| 10 | An expanding and folding wheel, | 24 | Henry Steward, | Clark county, Indiana territory. |
| | A vat for facilitating and cheapening the tanning of leather & coloring cloth, | 24 | Nathaniel Burley, | Strafford, New Hampshire. |
| | In the churn, - - - - - | 24 | Joseph Beach, | Northfield, Hampshire county, Mass. |
| | In distilling essential oil and spirits, | 24 | David Jewett, | Pittsfield, Massachusetts. |
| | A cylindrical printing press, - - - | 28 | John P. Sawin, & Thomas B. Wait, | Roxbury, Norfolk, Massachusetts. |
| 15 | Improved printers' type mould, - - | 29 | Archibald Binny, | Philadelphia. |
| | In the water boiler and steam still, - - | Feb. 4 | Borden Wilbor & Timothy Soper, | Washington county, New York. |
| | In making salts by evaporation, - - | 4 | Borden Wilbor, | Do. |
| | For smoothing or rubbing printers' types, | 4 | Archibald Binny, | Philadelphia. |
| | In making rims to ladies' and taylor's thimbles, without soldering them, - - | 4 | Stephen Chandler, | New York. |

| No. | INVENTIONS. | When issued. | NAMES OF PATENTEES. | RESIDENCE. |
|-----|--|----------------------------|--|---|
| | | 1811. | | |
| 20 | In forming, heating, removing and using metal plates in pressing woollen cloths, In the cotton gin, - - - - - In the churn, - - - - - In making ardent spirits out of the juice of southern corn stalks, called the horse tooth or Virginia corn, - - - A machine for cutting nails or brads, | Feb. 6 6 7 7 8 | Volkert Vedder, Robert Hancock, sen. and Edward W. Carr, Lewis Cleveland, John Sanders, John P. Sawin and Jacob Skinner, | Amsterdam, Montgomery county, N. Y. Philadelphia. Holliston, Middlesex county, Mass. Schenectady, New York. Roxbury, Norfolk county, Mass. |
| 25 | For constructing boats or vessels which are to be navigated by the power of steam engines, - - - - - A threshing machine, - - - - - A steam still, - - - - - An elevator for the use of the sick, - - A descending saw mill, - - - - - | 9 9 9 15 15 | Robert Fulton, James W Walker, Samuel Bacon, Jonathan Elliot, Stephen Belknap and Samuel Merrill, | New York. Wilmington, North Carolina. Lanesborough, Massachusetts. Newbury, Essex county, Massachusetts. |
| 30 | In the double forcing pump, - - - - - In propelling boats and vessels by horses, In the double forcing pump, - - - - - A mode of producing what he calls Columbian oil, - - - - - A mode of preserving and defending wood immersed in salt water, from the attacks or injuries of that species of worms which is generally found destructive at sea, &c. - - - - - | 19 19 20 23 23 | William Beach, Salmon Fuller, Thomas Ferris, Thomas Paul, Robert Lloyd Nicolls, | Georgetown, Washington, D. Franklin, Delaware county, New York. Clark county, Indiana Territory. Duchess county, New York. Baltimore. Easton, Talbot county, Maryland. |

| | | | | |
|----|--|-------------|--|---------------------------------------|
| 35 | In the steam engine called the vaporem machine, - - - - - | February 25 | James Stubbs & Nathaniel Parsons, - - - | Chilicothe, Ross county, Ohio. |
| | In the saw mill, - - - - - | 26 | Miles H. Abbot, - - - | Bucks county, Pennsylvania. |
| | For cutting and gathering grain and grass, - - - | 26 | John Comfort, - - - | Berkshire, Massachusetts. |
| | In andirons and fire places, - - - - - | | | |
| | In making flour, starch and dspirit, from wheat or other vegetable matter, - - - | 26 | Elisha Perkins, - - - | Shrewsbury, Monmouth county, N. J. |
| 40 | For shearing cloth, - - - - - | 28 | Ezra Willmarth, - - - | Rumney, Grafton, Massachusetts. |
| | In manufacturing straw wove platt, - - - | 28 | William Pond, - - - | Wrentham, Norfolk county, Mass. |
| | Machine for cutting felloes for wheels, - - - | 28 | Joseph Goulding, - - - | Leicester, Massachusetts. |
| | In the forge and trip hammer, - - - - - | March 1 | Ditto, - - - - - | Ditto. |
| | In mills, - - - - - | 1 | Ditto, - - - - - | Ditto. |
| 45 | In training and breaking horses, - - - - - | 1 | Townsend Cock, - - - | New York. |
| | A machine for cutting wooden screws, &c. - - - | 1 | Robert Hancock, sen. and Edward W. Carr, - - - | Philadelphia. |
| | Reverting wheels for various purposes, - - - | 1 | Otis Paine, - - - | Foxborough, Norfolk, Massachusetts. |
| | In the condensation of vapours in distillation, - - - - - | 2 | Noel Blanche, - - - | New York. |
| | A tide mill wheel, - - - - - | 2 | Dexter Wheeler, - - - | Bristol, Massachusetts. |
| 50 | In the stove, - - - - - | 2 | William Watson, - - - | Weymouth, Gloster county, N. J. |
| | A machine for rubbing out clover, - - - - - | 2 | Nehemiah Price, - - - | Frederick county, Maryland |
| | In chain paddles for propelling boats, - - - | 2 | Azael Pierson, - - - | Cumberland county, New Jersey. |
| | A machine for hulling rice, - - - - - | 2 | Sherman Dewey, - - - | Hartford, Vermont. |
| | For shearing cloth, - - - - - | 2 | Benjamin Cummings, - - - | Palmer, Hampshire county, Mass. |
| 55 | In the application of slate to various uses, - - - | 2 | William Sheldon, jun. - - - | Springfield, Massachusetts. |
| | In distilling, - - - - - | 2 | Jacob Miller, - - - | Lancaster county, Pennsylvania. |
| | In warming rooms, - - - - - | 4 | Barzillai Russell, - - - | Harford, Connecticut. |
| | A machine for shearing cloth, - - - - - | 4 | George C. Killogg, - - - | New Harford, Litchfield, Connecticut. |
| | A water loom, - - - - - | 4 | Thomas Mussy, - - - | Philadelphia. |
| 60 | A reverse impelling pump, being a double forcing pump, - - - - - | 7 | Levi Gray, - - - | Otsego county, New York. |

| No. | INVENTIONS. | When issued. | NAMES OF PATENTEES. | RESIDENCE. |
|-----|---|--------------|----------------------------|---------------------------------------|
| | | 1811. | | |
| | In planking and felting hats, - - - | March 7 | Israel Swan, - - - | Haverhill, New Hampshire. |
| | In the pump for raising water, - - - | 9 | Pliny Upham, - - - | Brookfield, Worcester, Massachusetts. |
| | The subignis air draught, - - - | 12 | Samuel Randall, - - - | Providence, Rhode Island. |
| 65 | A machine for cutting sausage meat, &c. | 19 | George Neff, - - - | Dauphin county, Pennsylvania. |
| | A fire cavern, - - - - - | 20 | Abraham Quincy, - - - | Boston. |
| | In fire places, - - - - - | 20 | Peter Sternberg, - - - | Montgomery county, New York, |
| | A bark mill, - - - - - | 20 | Luther Gale, - - - | Berkshire county, Massachusetts. |
| | A horizontal bellows wind wheel, which by reversing the wheel may be applied to water, - - - - - | 21 | Daniel Van Voorhis, - - - | Long Island, New York. |
| | In the condenser, - - - - - | 26 | Lyman Cook, - - - | Whitestown, Oneida county, N. York. |
| 70 | A churn, - - - - - | 28 | Harry Mumford, - - - | Ulster county, New York. |
| | A threshing machine, - - - - - | 28 | Rufel C. Van Houton, - - - | New York. |
| | In four wheel carriages to be moved by manual labor, - - - - - | 28 | Lyman Cook, - - - | Whitestown, Oneida county, N. York. |
| | For straining and grinding cards, - - - | 30 | John Boynton, - - - | Windham county, Connecticut. |
| | A mode of casting large iron rollers for rolling iron, &c. - - - - - | 30 | Cyrus Alger, - - - | Boston. |
| 75 | A nail machine for making wrought nails and spikes, or drawing small iron into any form, - - - - - | April 8 | Abiather Eastman, - - - | Norway, Oxford county, Massachusetts. |
| | A stave and shingle machine, - - - - - | 10 | William Baley, - - - | Nelson county, Kentucky. |
| | In the form of cossack boots, or rather in the mode of cutting leather for the formation of boots of every description, - - - | 10 | John Morgan, - - - | Philadelphia. |
| | In tanning leather, - - - - - | 10 | Joseph Barker, - - - | Deerfield, Oneida county, New York. |

| | | | | | |
|--|---|------------------------|--------------------------------------|---|--------------------------------------|
| 80 | In making gin, - - - - - | April | 10 | Erastus V. Freeman, | Cape May courthouse, New Jersey. |
| | In the lea board, - - - - - | | 10 | Jacocks Swain, H. Swain and Josuhua Swain, | |
| 85 | In saw mills, - - - - - | | 15 | Oliver Evans, | Troy, New York. |
| | For vibrating nail plates while cutting, | | 16 | Joseph Bernard, | Washington City, Columbia District. |
| | In distilleries and kitchen ranges, - | | 18 | William Gamble, | |
| | A lever purchase machine for propelling boats, working mills, &c. | | 24 | Shubael Kimball, | Rhinebeck, Dutchess county, N. York. |
| | A floating machine for supplying ships with fresh water, - - - - - | | 25 | John F. Randolph, | New York. |
| | In the kitchen stove, - - - - - | | 25 | Andrew Sherwood, | Do. |
| | For cramping Suwarrow boot legs, - | | 25 | Jeremiah Sibley, | Do |
| | The drum cooking stove, - - - - - | | 25 | Andrew Sherwood, | Do |
| | In the spiral water wheel by balance gates, | | 25 | Benj. Schoolfield and Wm. Stanton, | Lynchburg, Campbell county, Va |
| | For trimming and pressing straw plait, - | | 26 | Daniel Atherton, | Providence, Rhode Island. |
| A flax and hemp break, - - - - - | 26 | Edward Rumsey, | Christian county, Kentucky. | | |
| For shearing cloth, - - - - - | 30 | Jesse Molleneux, | Hempstead, New York. | | |
| A shearing machine, - - - - - | May | 2 | Eleazer Hovey, | Canaan, Columbia county, New York. | |
| For rasping or sawing dye woods, - | | 3 | Samuel Stone, | Enosburg, Franklin county, Vermont. | |
| A churn, - - - - - | 3 | Daniel Robinson, | Franklin, Delaware county, New York. | | |
| In distilling, - - - - - | 3 | Andrew Dunlap, | Boston. | | |
| A mode of working a water wheel by rais- ing and lowering it in a current or tide, - - - - - | 4 | Mark Andrews, | Kennebec, Massachusetts. | | |
| In manufacturing bricks, - - - - - | 7 | James Gregg, | New Hampshire. | | |
| Machine for cutting off the ends of bolts, &c. | 8 | John Rewey, | Berkshire, Broome county, New York. | | |
| 100 A vertical balance wheel nail cutting ma- chine, - - - - - | 8 | Ebenezer Avery Lester, | Herkimer, New York. | | |
| For weighing hay, live cattle, &c. - | 10 | Thomas Armat, | Philadelphia. | | |
| In the bodies of carriages called the stand- ing roof landau, - - - - - | 10 | Edward Gibson, | New York. | | |

| No. | INVENTIONS. | <i>When issued.</i> | NAMES OF PATENTEES. | RESIDENCE. |
|---|--|---------------------|---|---|
| | | 1811. | | |
| 105 | A writing instrument, - - - | May 11 | Ezra L. Miller, | Charleston, South Carolina. |
| | A perpetual steam still, - - - | 15 | John James Jiraud, | Baltimore. |
| | In breaking hemp and flax, - - - | 16 | John C. Johnston, | Fayette county, Kentucky. |
| | In fire arms, - - - - - | 21 | Wm Thornton and John Hatkill, | Washington City. |
| | In constructing steam engines for propelling boats, - - - - - | 21 | John Stephens; | New York. |
| A spring for fastening window sashes, - - | 22 | John Ballthorpe, | | |
| A washing machine, - - - - - | 23 | David Dungan, | Upperville, Loudon county, Virginia. | |
| In saw mills, - - - - - | 24 | Marshall Lewis, | Chenango, Broome county, N. York. | |
| 110 | A machine for dressing mill stones, - - | 24 | Charles Woolverton and Benj. Ridgway, jun. | Morris Villa, Pennsylvania. |
| | In suspenders, &c. - - - - - | 25 | Henry Burke. | Bucks county, Pennsylvania. |
| | In the carding machine, - - - - - | 25 | Heman Palmerler. | Shoreham, Addison county. |
| | In cutting fur from peltry, - - - - - | 28 | Joshua Witherle. | Boston. |
| | A horizontal water wheel, - - - - - | 29 | John Osborn, jun. | Litchfield, Connecticut. |
| 115 | Being a double suspender spring, - - - | 29 | Benajah Wolcot, | Danbury, Huron county, Ohio. |
| | Machine for shaving shingles, &c. - - | 30 | Daniel Parker and John Sanford, | Sharen, Litchfield county, Connecticut. |
| | In working certain ores, - - - - - | 30 | Vincent King and Jeremi- ah King, | Bellair, Harford county, Maryland. |
| | A water blast, - - - - - | June 6 | Joseph Ruggles, | New Milford, Litchfield county, Conn. |
| | In sawing and polishing marble, - - - | 7 | Luther Bissel, | Otsego county, New York. |
| 120 | A machine for moving two water wheels at same time, - - - - - | 7 | Luke C Hinman, Luther Bissel & Moses Barnes, | Do. |
| | A composition for mending china, glass, &c. | 10 | Harvey Bascom. | Weston, Massachusetts. |

125 In shears for shearing woollen cloth, -
 In the steam kitchen for baking, &c. &c.
 In chair bottoms, - - - -
 In distilling, - - - -
 A distilling and refining apparatus, -
 A fanning mill for cleaning grain, -
 Machine for shaving, jointing and forming
 the staves and heads of barrels, &c.

130 A steam stove for roasting, boiling and ba-
 king, - - - -
 The family cotton spinning machine, -
 In preparing and packing quincitron or
 black oak bark, or other barks, for ex-
 portation, - - - -
 A balance bridge, - - - -
 For spinning and winding rope yarn, -

135 In the forge bellows, - - - -
 For breaking hemp and flax, - - - -
 In medicine cases, - - - -
 A pendulum steam engine, - - - -
 In kilndrying corn and malt, &c. -

140 A machine for chopping meat or any other
 substance fine, - - - -
 An improved accelerating wheel head, -
 In horizontal wooden springs for carriages,
 A flax and hemp break, - - - -
 A machine for making sacket and sand sho-
 vels, - - - -

145 In the still and condenser, - - - -

June 11 William Stillman,
 11 Samuel Smith,
 12 Abner Ellis,
 14 John James Giraud,
 17 Jacob Sherer and Abra-
 ham Killian,
 18 Thomas W. Jessup,
 20 Barnabus Langdon and
 William Mowry,
 21 Josiah Noyes,
 22 John George Baxter,

July 1 Joseph Lyon,
 1 Jonathan Jessop,
 2 Christian Bergh and Peter
 Shermerhorn, junr.
 8 Charles M. Murtry,
 13 Robert Miller,
 16 Allen Harrington,
 18 John Staples,
 18 John Hughson,
 19 Haziel Smith,
 20 Archelaus Putnam,
 22 Leonard Sommer,
 23 Jacob A. Dana,
 23 Jonathan Righter,
 25 Richard Sealy,

Westerly, Rhode Island.
 Herkimer county, New York.
 Dedham, Norfolk county, Mass.
 Baltimore.
 Lancaster, Pennsylvania.
 Fredericktown, Maryland.
 Washington county, New York.
 Herkimer county, New York.
 Philadelphia.
 Ditto.
 York Town, Pennsylvania.
 New York.
 New Marlborough, Massachusetts.
 Lexington, Kentucky.
 Otsego county, New York.
 Richmond, Virginia.
 Clinton county, New York.
 Philadelphia.
 Ditto.
 Downington, Chester county, Penna.
 Casanovia, Madison county, N. Y.
 Downington, Chester county, Penna.
 Newark, New Jersey.

| No. | INVENTIONS. | When issued. | NAMES OF PATENTEES. | RESIDENCE. |
|-----|---|--------------|---|---|
| | | 1811. | | |
| | In tanning, - - - - | July 30 | William Hollingsworth. | Elkton, Maryland. |
| | In boot and shoe making, - - - - | 30 | Samuel B Hitchcock and John Bement, | Homer, Cortland county, New York. |
| | A wear for catching fish, - - - - | August 14 | Hawley Emerson, | Hancock |
| 150 | In cutting and heading nails, - - - - | 14 | Jesse Reed, | Kingston, Plymouth county, Mass. |
| | In mill stones, - - - - | 15 | William Miller, | Lampeter, Lancaster county, Penna. |
| | For picking wool, &c. called the wool picker, | 15 | Michael Morrison, | Boston. |
| | A perpetual lime kiln, - - - - | 17 | William Gorsuch, | Baltimore. |
| | In the sea motion pump, - - - - | 19 | Bernet Lies. | New York. |
| 155 | In varying the motion of a plough, - - | 20 | John Sanford, | Sharon, Litchfield county, Connecticut. |
| | In weaving, - - - - | 20 | Nathaniel Miller and Philip W Miller, | Franklin, Norfolk county, Mass. |
| | A mode of propelling carriages by steam, | 21 | Charles Reynolds, | East Windsor, Connecticut. |
| | A mode of ripening and keeping malt liquor and cider, - - - - | 22 | Robert Hare, | Philadelphia. |
| | In the electrophorus, - - - - | 23 | David F. Launy. | Ditto. |
| 160 | In the water wheel, - - - - | 28 | Abraham Lands, | Georgetown, Columbia District. |
| | A double spring angular truss, - - - - | 30 | Theodore Hart, | New York. |
| | In constructing and working pumps for the use of ships, &c - - - - | 30 | Andrew Henshaw and Na- thaniel Harlow, junr. | Banger, Hancock county, Mass. |
| | In stills and boilers, - - - - | Sept. 2 | Jacob Decker, | Green, Shenango county, N. Y. |
| | A drying house, for drying fruit, &c. - - | 2 | Stephen Strong, | Wilks township, Gallia county, Ohio. |
| | In manufacturing ink stands of stone, - - | 3 | Abraham Howard Quincy, | Boston. |
| 165 | A water wheel, - - - - | 5 | Joseph Atkinson, | Amhurst, Massachusetts |
| | In the common plough, - - - - | 7 | Nicholas Turbutt, | Fredericktown, Maryland. |

A horizontal pump, - - -
 For spinning wool and cotton, &c. called
 the pleasant spinner, - - -
 170 A horizontal vibrating churn, - - -
 In stills, - - - - -
 In looms, - - - - -
 In propelling boats by steam, - - -
 In stoves, - - - - -
 175 A crank loom for weaving all kinds of cloth,
 In tanning, - - - - -
 A churn, - - - - -
 In the press, for pressing cotton, hay, &c.

 For drawing and spinning wool, - - -
 A trip hammer, - - - - -
 180 A pendulum mill, - - - - -
 For cutting files, - - - - -
 In manufacturing fine salt from coarse,
 For breaking, swingling and beating hemp
 and flax, - - - - -
 In circular boilers, - - - - -
 185 A wooden screw press for packing cotton,
 wool, &c. - - - - -
 In cutting and manufacturing boot legs,
 In breaking and swingling hemp and flax,
 Improvement in his patent fire place,
 In the mode of washing white lead, - - -
 190 In setting the beds or stacks (by admission
 of air) in making white lead,

10 Luther Holland,
 10 Daniel Read,
 12 Thomas Pratt,
 19 Henry Wittmer,
 25 Nathaniel Perry,
 27 James Rodgers,
 27 Thomas Power,
 27 Ephraim Cutter,
 30 Alexander H. Avery,
 October 1 Joseph H. Shepard,
 2 Moses Jaques and Henry
 Freeman,
 4 William Humphreys,
 5 Josiah Beal,
 9 Solomon Thayer,
 10 Ernst Gehbe,
 11 Charles W. Sellers,

 15 William Harper.
 15 Jonathan Sizer,

 17 Jacob Pierson.
 21 John Vernon.
 24 Archibald Tanner.
 28 Peter Sternberg,
 29 Samuel Witherill, junr.

 29 Ditto.

Belehuston, Hampshire, Massachusetts.

 Brookfield, Madison county, N. Y.
 Cheshire county, New Hampshire.
 Lancaster, Pennsylvania.
 Boston.
 Albany, New York.
 New York.
 Walpole, New Hampshire.
 Bennington, Vermont.
 Canaan, Somerset county, Mass.

 Woodbridge, Middlesex county, N. J.
 Humphreysville, Newhaven, Connect.
 Ontario county, N. Y.
 Braintree, Norfolk county, Mass.
 North Hampton county, Penn.
 Alexandria, Columbia District.

 Richmond, Virginia.
 New London, New London co. Conn.

 Knoxville, Knox co. Tennessee.
 Baltimore.
 Trumbull county, Ohio.
 Montgomery co. N. Y.
 Philadelphia.

 Ditto

| No. | INVENTIONS. | When issued. | NAMES OF PATENTEES. | RESIDENCE. |
|-----|---|--------------|-------------------------------|----------------------------------|
| | In screening and separating <i>in water</i> the corroded parts of lead from the uncorroded parts, in the process of making white-lead, - - - | 1811. | | |
| | A machine for separating the oxidated from the metallic lead, in the process of manufacturing red lead, and of the manner of using the machine, - - - | Nov. 1 | Samuel Witherill, jun. | Philadelphia. |
| | A water wheel, - - - | 1 | Ditto, | Ditto. |
| | In casting metallic boxes or centres of shieves or trundles for pulleys. | 2 | Elisha Mack, | Sheffield, Mass. |
| 195 | A machine for basoning, hardening and steaming hats, - - - | 4 | Lebbeus Larrabee. | Nantucket, Mass. |
| | A machine for boring posts, - - - | 6 | Jonathan Sizer, | New London, New London co. Conn. |
| | In the process of making sulphuric acid. | 7 | Anthony Butler, | Vermont. |
| | For cutting wheat and other small grain, | 7 | Benjamin Bell, | Boston. |
| | A balance water gate, - - - | 8 | William Presley Claiborne, | King William co. Virginia. |
| 200 | A mode of distilling ardent spirits by one operation, - - - | 12 | William Maher. | Rome, Oneida co. N. Y. |
| | A hot heading nail machine for cutting and heading nails, - - - | 13 | Jonathan Shaw, | Palmer, Hampshire co. Mass. |
| | A mode of welding or uniting scrap iron, or steel, preparatory to forming it into bars, &c. by the forge hammer, and of effect- | 14 | Mark Reeve and Richard Reeve, | Philadelphia. |

| | | | | |
|-----|---|--------|-----------------------------|---------------------------------------|
| | ing the same by pit coal in its crude state, without the use of coke or charcoal, | | | |
| | An elevating aqueduct or water conductor, being an improvement of Clapp's crank engine, | 15 | Benjamin King, | Navy Yard, Washington City. |
| | A descending air flue, with the chimney pipes, &c. in which it is to be used, | 16 | Joseph Clapp, | Greenfield, Mass. |
| 205 | On his former improvement in fire places, | 19 | James Macomber, | Greenwich, Washington co. N. Y. |
| | A compound lever and parallel shaft nail machine, | 19 | Peter Sternberg, | Montgomery co N. Y. |
| | In making hats of paper, | 25 | Robert Turner, | Boston. |
| | A churn, | 25 | Joseph Ford and John White, | Ditto. |
| | In constructing boats and vessels, | 27 | Adam Sheble, | Philadelphia. |
| 210 | A loom, | 29 | Francis Rotch, | New Bedford, Bristol co. Mass. |
| | A steam engine, | 29 | Richard C. Rodgers, | Maine, Mass. |
| | A portable kitchen or stove cabouse, | 29 | Daniel Dod, | New York. |
| | A machine for roving and spinning wool and cotton, | Dec. 3 | James Truman, | Philadelphia. |
| | A distilling apparatus, | 3 | Oliver Barrett, junr. | Schaghticoke, Rensseler county, N. Y. |
| 215 | In the structure of bee-hives, | 4 | Lewis Lecesne, | Belleville, New Jersey. |
| | | 9 | Timothy Stanly, | Farmington, Harford, Connecticut. |



LETTER

FROM

THE SECRETARY OF STATE,

TRANSMITTING

A LIST OF THE NAMES OF PERSONS

TO WHOM

Patents have been Issued

FOR

ANY NEW OR USEFUL ART, MACHINE, MANUFACTURE

OR

COMPOSITION OF MATTER, OR ANY IMPROVEMENT THEREON,

FROM

JANUARY 1, 1812, TO JANUARY 1, 1813.

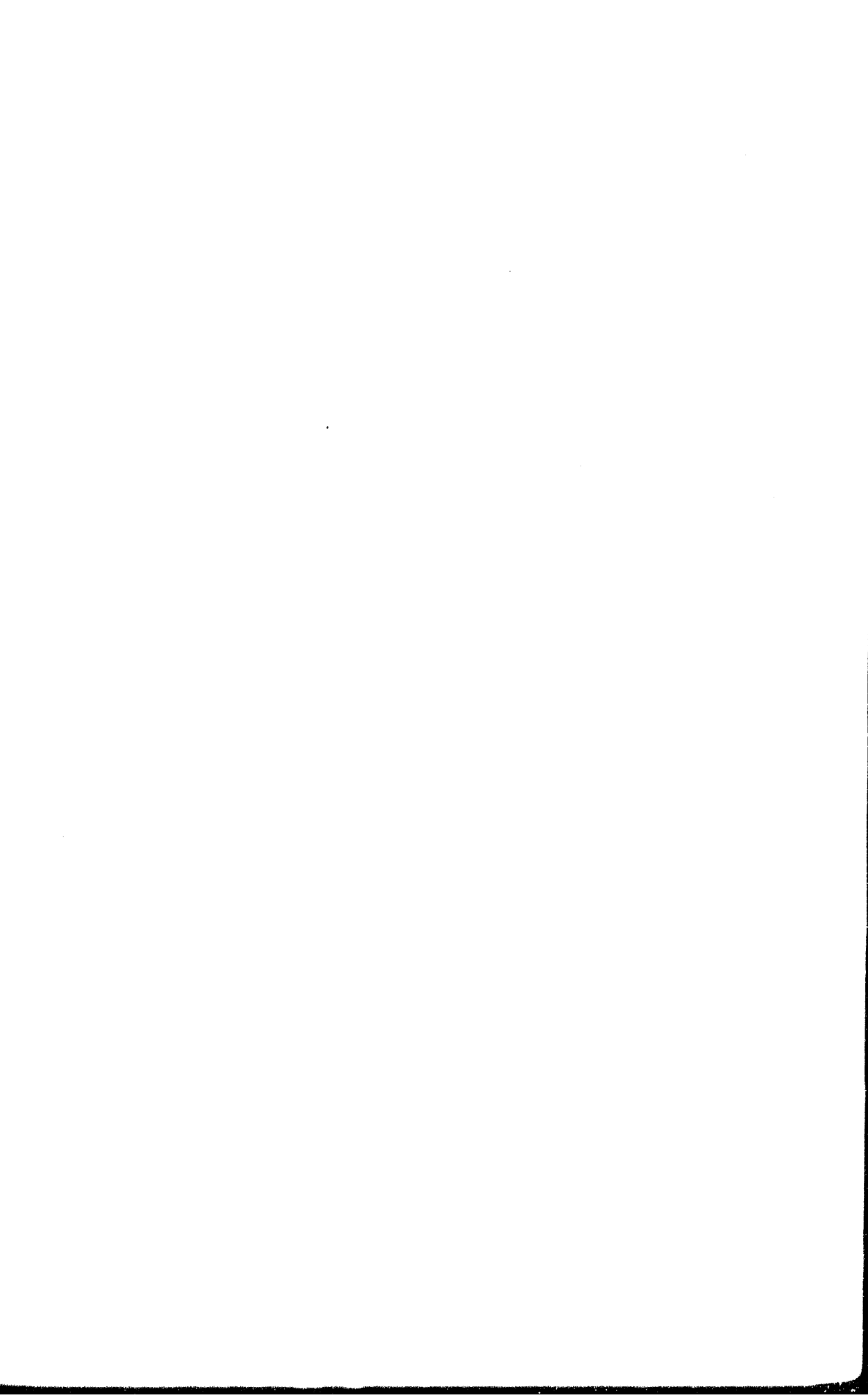
JANUARY 22, 1813.

Ordered to lie on the table.

WASHINGTON:

A. & G. WAY, PRINTERS.

.....
1813.



DEPARTMENT OF STATE,

January 13, 1813.

SIR,

IN pursuance of the resolution of the House of Representatives of the United States, dated the 13th of January, 1812, I have the honor of transmitting a list of the names of persons who have invented any new or useful art, machine, manufacture or composition of matter, or any improvement thereon, and to whom patents have been issued for the same, from this office, from the 1st day of January, 1812, to the 1st day of January, 1813, with the dates, and general objects of such patents: and also, the residence of the patentees, as far as they could be ascertained.

I have the honor to be,

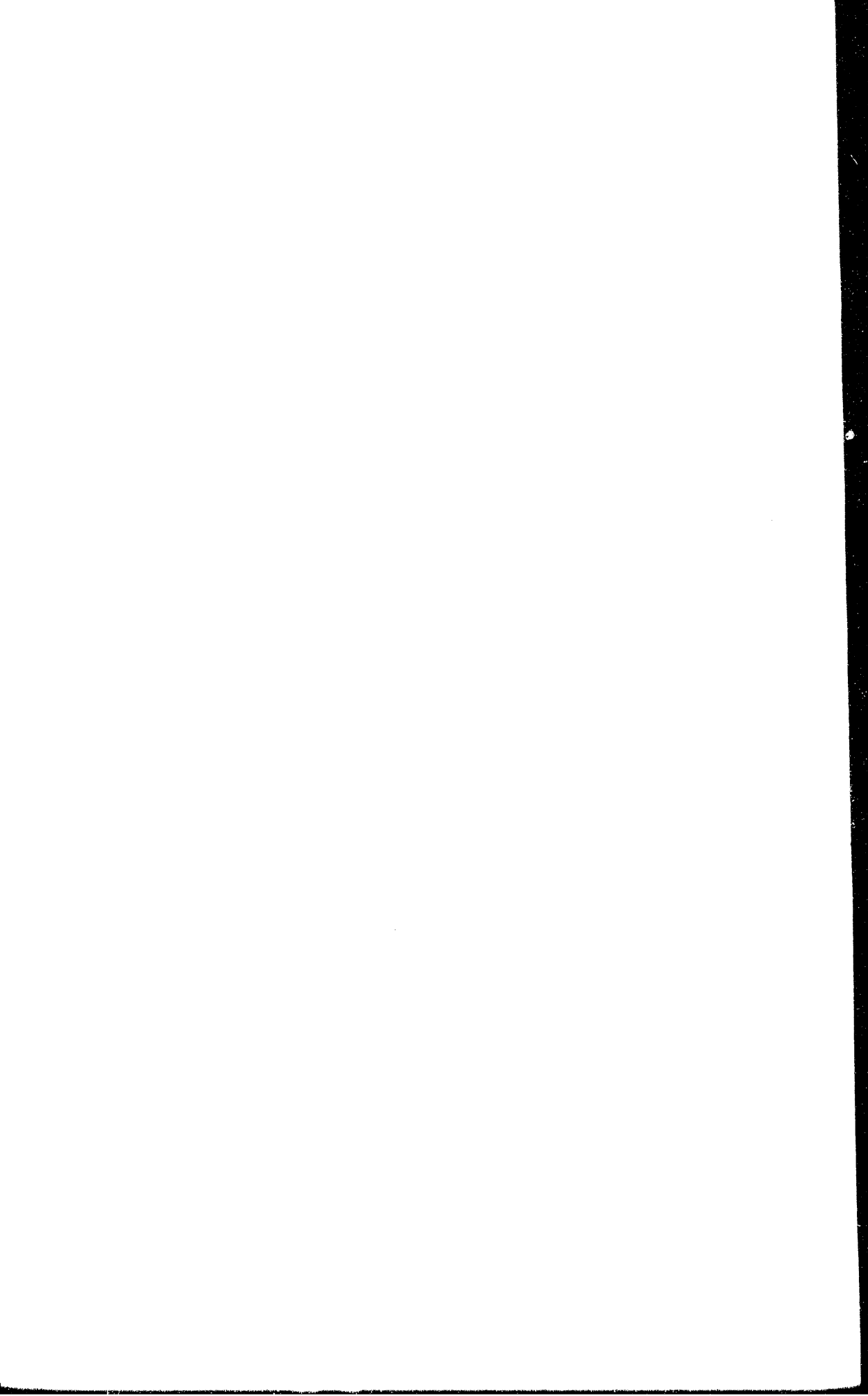
Sir,

With the greatest respect,

Your obedient servant, &c.

JAMES MONROE.

*To the honorable the Speaker
of the House of Representatives
of the United States.*



| No. of Patents. | INVENTIONS. | When issued. | NAMES OF PATENTEES. | RESIDENCE OF PATENTEES. |
|-----------------|---|--------------|--|---|
| | | 1812. | | |
| | | Jan. 6 | Timothy Stanly, | Farmington, Hartford county, Connecticut. |
| | In flyers for spinning cotton yarn, | 6 | Azariah Walton, | Kcene, Cheshire county, New Hampshire. |
| | A restorative elixir, | 6 | Hervey Frink, | Northampton, Hampshire county, Mass. |
| | In the loom, | 6 | Richard Crosbie, | Newark, New Jersey. |
| 5 | A hydro pneumatic engine, | 6 | Ditto, | do. do. |
| | In the pump, | 6 | Jonathan Evans, | Whites Town, Oneida co. New York. |
| | A steam drawer kitchen, or apparatus for cooking, | 6 | John Bouis, | Baltimore. |
| | In converting pig iron into steel, | 6 | Enoch Leonard, | Canton, Norfolk county, Massachusetts. |
| | "An improved easy draught bedstead," | 6 | Peter Tilton Walcott, | Monmouth county, New Jersey. |
| 10 | In the art of tanning, | 10 | Joseph Barker, | Deerfield, Oneida county, N. Y. state. |
| | A febrifuge, | 11 | Asa Johnson, | Northumberland county, Penn. |
| | In the net or seine for taking shad or other fish, | 11 | Samuel May, | Columbia, Lancaster county, Penn. |
| | A cylindrical frame for roving and spinning flax or hemp, | 11 | William Giffen, | New York. |
| | A machine for rolling wire. . . . | 11 | James Howell, | Philadelphia. |
| 15 | A new species of plant applicable to many uses, particularly for the uses of flax and hemp, &c. . . . | 11 | Charles Whitlow, | New York. |
| | In cutting and heading nails, | 11 | Josiah White, | Philadelphia. |
| | A mode of teaching to write, | 11 | Samuel Randall, | Warren, Bristol county, Rhode Island. |
| | In the construction of the plough, | 11 | John Klay, | Frederick county, Maryland. |
| | In the plough, | 11 | Roswell Tousley, | Cayuga county, New York. |
| 20 | In the fanning mill, | 15 | Thomas S Barnum, | Sharon, Litchfield county, Connecticut. |
| | A swinging keel, | 15 | Josiah Beale, | Alexandria. |
| | A machine for cutting files, | 16 | Morris Burke Belknap, | Brimfield, Hampshire county, Mas. |
| | A machine for spinning cotton, wool, flax and tow, | 16 | Gilbert Brewster, Gay Trumbull and James Mathes, | Barre, Orange county, Vermont. |

| No. of Patents. | INVENTIONS. | When issued. | NAMES OF PATENTEES. | RESIDENCE OF PATENTEES. |
|-----------------|--|--------------|---|---|
| | | 1812. | | |
| 25 | A save-all for saw mills, | Jan. 18 | Josiah Hart & Lester Fling, . . | Cheshire, New Hampshire. |
| | A machine for cleaning & picking cotton wool, | 18 | Ephraim Raymond, | Norton, Massachusetts. |
| | In the construction of coaches and other carriages, | 21 | Frederick Biemler, | New York. |
| | In the composition of materials for the manufacturing of hats, | 23 | Frederick Messer, | Guildhall, Essex county, Vermont. |
| | In the art of weaving, | 23 | Job Rood, | Canterbury, Windham county, Con. |
| 30 | In manufacturing flour, | 27 | Joseph Rich, | Madison county, New York state. |
| | A metallic case or stove for kettles, boilers, stills, &c. | 31 | Charles Gaston, | Williamsport, Washington county, Penn. |
| | A regulated mill, | Feb. 3 | Joseph Quinby, | Wilmington, North Carolina. |
| | A machine for cutting and heading nails, and for making wrought nails, | 3 | Mark and Richard Reeve, | Burlington, New Jersey. |
| | A machine for cramping boot legs, | 4 | Nathaniel L. Moore, | Smithfield, Madison county, New-York st. |
| 35 | In musical types, | 7 | Uri K. Hill, | New-York. |
| | A ruling machine, | 7 | Asa Spencer, | New London, New London county, Con. |
| | In steam engines, | 8 | Junia Curtis and Royal Yeamans, | J. Curtis, Plymouth, Chenango county, N. York; Royal Yeamans, Westfield, Hampshire county, Massachusetts. |
| | In the whirl and regulator for spinning flax, hemp, tow, &c. | 10 | Chauncey Crafts, | Woodbury, Connecticut. |
| | An increasing press, | 11 | Abraham Nerton, | Litchfield, Connecticut. |
| 40 | In air backs for chimneys, | 13 | Joel Root, | Southington, Harford county, Connecticut. |
| | A furnace for heating ovens, | 17 | Abraham H. Quincy, | Boston. |
| | In granulating gun powder, | 17 | Richard Crosbie, | Newark, Essex county, New Jersey. |
| | A rolling draw bridge, | 17 | Ditto, | do. do. |
| | A wind and water mill, | 18 | Moses Pennock, | Kennets square, Chesnut county, Penn. |
| 45 | In rowing and propelling boats, &c. | 19 | William Shaw, | Otsego county, New-York. |
| | A threshing machine. | 21 | Benjamin S. Hort, | George town, South Carolina. |

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| | An improved conveyer, elevator, and hopper boy, | 22 | Samuel Walgemore, | Washington county, Columbia District. |
| | In the pinions of clocks, | 24 | Ira Ives, | Bristol, Harford county, Connecticut. |
| | In the cooking stove, | 24 | Jonathan Low, | Fitchburg, Worcester county, Mass. |
| | In the construction of carriages, | 26 | Daniel Neall, | Milford, Kent county, Delaware. |
| 50 | A machine for rubbing wheat and other grain, &c. | 27 | John D. Richards, | Middleburg, Virginia. |
| | In stoves, | 29 | Nichodemus Lloyd, | Philadelphia. |
| | A threshing machine, | March 2 | William Richards, | Culpepper county, Virginia. |
| | In extracting ichthyocalla or fish glues, | 4 | Daniel Waldron, | New York. |
| | In the mode of preparing flax, hemp, &c. to be spun on the same principles that cotton and wool is spun, | 5 | John Owings, | Baltimore, Maryland. |
| 55 | In cutting and heading nails originally invented by Jonathan Newell, | 9 | Nathaniel Chickering and Da- niel Chickering, | Dover, Norfolk county, Massachusetts. |
| | A steam boat to be propelled by sculling, | 11 | Joseph Hunt, | East Chester, New York st. |
| | A machine for spinning, reeling, and spooling flax and hemp, | 14 | Noel Jones, | Madison county, New York state. |
| | A machine for making boots and shoes, | 14 | Elijah Thayer, | Leicester, Worcester county, Mass. |
| | A machine for dressing shingles, | 16 | John Heavin, | Montgomery county, Virginia. |
| 60 | In spinning sheeps' wool, being an improve- ment on the water frames used for spin- ning cotton, | 16 | Stephen Clements, | Harford, Windsor county, Vermont. |
| | In grates, | 17 | Charles Hunt, | New York. |
| | A threshing machine, &c. | 19 | Joseph Goulding, | Bangor, Massachusetts. |
| | A machine for separating grain and seeds, by rubbing, &c. | 19 | George M'Adam Brown, | Northumberland county, Virginia. |
| | A fire extinguisher and chimney regulator, | 27 | Daniel Shoemaker, | Philadelphia. |
| 65 | A revolving steam engine for propelling boats by poles, | 27 | Millen Battle, | Herkemer county, New York. |
| | A wooden still and condensing box, | 27 | Rufus W. Adams, | Marlboro, Windham county, Vermont. |
| | In tanning, | 28 | Samuel Currie, | Philadelphia. |

| No. of Patents | INVENTIONS. | When issued. | NAMES OF PATENTEES | RESIDENCE OF PATENTEES. |
|----------------|--|--------------|-----------------------------------|---|
| | | 1812. | | |
| | A hand and water loom, | March 28 | John Thorp, | Providence, Rhode Island. |
| | In working saw, grist, and other mills, | 28 | John Devereux De Lacy, | New York. |
| 70 | In looms, | 28 | Asa Campbell, | Kingston, Luzerne county, Pennsylvania. |
| | In manufacturing salt, | 31 | Ambrose Dudley, | King William county, Virginia. |
| | A brick machine, | April 1 | James M'Donald, | New York. |
| | A suction pump and fire engine, | 1 | Isaiah Jennings, | Philadelphia. |
| | In preparing magnesia, | 1 | William Dunt, | Boston. |
| 75 | In forts, | 2 | Edward Clark, | Philadelphia. |
| | In making candles with tallow and wax, | 2 | James Zwister, | Baltimore. |
| | A horizontal Churn, | 3 | John Davidson, | Cheshire, New Hampshire. |
| | A tobacco spinning and turning off wheel, | 8 | Jas. Vanderpool & John Eagles, | Newark, Essex county, New Jersey. |
| | A mode of obtaining power between the difference of a column of rarified and unrarified air, | 8 | Samuel Morey, | Philadelphia. |
| 80 | A boring machine, | 8 | Nath. Gillet and John Smith, | Cazenovia, Madison county, New York. |
| | A machine for cutting files, | 11 | Chas. Hesser & Amos Paxson, | Philadelphia. |
| | A machine for manufacturing files, | 20 | Levi Anderson and David Anderson, | Philadelphia. |
| | A machine for cutting miters, &c. | 22 | Zaccheus Kelley, | Easton, Maryland. |
| | In the construction of bridges, | 23 | Benjamin Connor, | Portsmouth, New Hampshire. |
| 85 | In propelling boats by steam called the setting float steam boat, | 23 | John Evelett, | Boston. |
| | A quilted cloathing for a copper still head, | 25 | Charles Jenks, | East Windsor, Harford, Connecticut. |
| | A wooden still head, | 25 | ditto, | do. do. |
| | In fire places for warming rooms by means of a cast iron fluted back, | 25 | Eli Mix, | New Haven, Connecticut. |
| | A shearing machine, | 27 | Stephen Treadwell, | Redding, Fairfield county, Connecticut. |
| 90 | A water loom, | 27 | Silas Shepard, | Philadelphia. |
| | A machine for cutting scale board, | 27 | Jonathan Carrington, | Litchfield, Litchfield county, Connecticut. |

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| | In refining and making camphire, | April 27 | Job Green, | Charlestown, Middlesex county, Mass. |
| | A portable spinning machine, | 27 | Burgiss Allison, | Philadelphia. |
| 95 | In the spinning wheel, | 27 | James Shaw, | Herkemer county, New York. |
| | For combining wool into blankets and other manufactures, | 29 | Elkanah Cobb, | George town. |
| | A sawing machine, | May 1 | Russel Caulfield, | Philadelphia. |
| | A travelling cross cut saw mill, | 4 | Samuel Kennedy Gore, | Bradford county, Pennsylvania. |
| | In tanning, | 5 | Chris. Luther and James Smith, assigned to Daniel Renner, | Georgetown. |
| | The linen spinner, | 6 | Sylvanus Baldwin and Elisha Town, | Vermont. |
| 100 | For pressing and rendering transparent horse hoofs and other corneus substances, for making combs, &c. | 6 | Edward Morris Canviss, | Southington, Harford county, Connecticut. |
| | In breaking plaister of paris, &c. | 12 | Paul Geiger, | Robeson, Berks county, Pennsylvania. |
| | In the steam engine, | 12 | Daniel Dod, | Elizabeth town, New Jersey. |
| | In horse mills by using weights, | 12 | John Grannis, | Cheshire, New Haven, Connecticut. |
| | A washing machine, | 12 | William Stanton, | Lynchburg, P. O. Campbell county, Vir. |
| 105 | A machine for boring hubbs and fellocs of wheels, | 12 | David Sperry, | Colchester, New London county, Con. |
| | In warming rooms, &c. by rarified air applicable to ovens, hot or green houses, rooms, &c. | 12 | Daniel Pettibone, | Philadelphia. |
| | A plugged faucet, | 13 | William Jones, | New York. |
| | In moulds for casting metal buttons, | 14 | George W. Robinson, | New Haven, Connecticut. |
| | A machine for cutting screws, | 15 | Elisha Hazard & Josiah White, | Philadelphia. |
| 110 | The fair dealer of the chartæ lusoriæ, | 15 | Robert Bailey, | Washington, Columbia District. |
| | For grinding corn in the cobb, &c. | 15 | William Mayo, | Henrico, Virginia. |
| | A rolling machine for reducing metal from bars and for making wire round or square, | 15 | Josiah White, | Philadelphia. |
| | A machine for cutting fur from skins, | 19 | Ira Ives, | Bristol, Harford county, Connecticut. |
| | A casting or smut machine, | 20 | Daniel Tomlinson, | Brookfield, Connecticut. |
| 115 | A fire proof stone stove, | 21 | Abraham H. Quincy, | Boston. |

| No. of Patents. | INVENTIONS | When issued. | NAMES OF PATENTEES. | RESIDENCE OF PATENTEES. |
|-----------------|--|--------------|--|--|
| | | 1812. | | |
| 120 | In making shoes and boots with wooden pegs, screws, notches or creases, | May 23 | Robert U. Richards, | Norfolk, Litchfield county, Connecticut. |
| | A hydraulic machine for raising water, | 26 | William Shultz, | Philadelphia. |
| | In chair bottoms, | 26 | James Elliott, junior, | Philadelphia. |
| | In saw mills, | 26 | Webb Hart, | Cheshire, Connecticut. |
| | In the cure of consumptions and all other pulmonary complaints, | 27 | Charity Shaw Long, | Philadelphia. |
| | A hydraulic boat with the mode of propelling the same with or against the current or stream, &c. | 28 | William Shultz, | Ditto. |
| 125 | In propelling boats, working mills, &c. | June 5 | William Shaw, | Otsego county, New York state. |
| | A mode of preparing vegetable acids, | 5 | Nath. S. Allison & Ben. Kugler, | Philadelphia. |
| | In grinding and packing bark for exportation, | 6 | Jos. Richardson and Benj. Stout, | Bucks county, Pennsylvania. |
| | A machine for bowing wool for hatters, | 6 | H. S. Holladay & E. G. Griffin, | Lyme, New London county, Connecticut. |
| | For shearing cloth, | 12 | Walter Kennedy, | Frankford, Franklin county, Kentucky. |
| | A stone boiler for refining sulphur and for chemical purposes, | 13 | Abraham H. Quincey, | Boston. |
| 130 | A foot stove with stone heaters, | 15 | Ditto, | Ditto. |
| | A machine for cutting files, | 13 | Morris Burk Belknap, | Worcester, Worcester county, Mass. |
| | A liquid heating machine, | 13 | Roswell Valentine, | Canaan, Columbia county, N. York st. |
| | In the cheese press, | 13 | William W. Townsend, | Addison county, Vermont. |
| | In chain wheels and paddles for boats, | 13 | Robert R. Livingston, | Clermont, New York state. |
| | A floating dry dock, | 15 | Samuel Rose, | New York. |
| 135 | A flax dressing machine, | 19 | John Haws, | Hudson, New York state. |
| | A washing and churning machine, | 19 | Zina Phinney, | Cairo, Green county, N. Y. state. |
| | Improvement on John Moffatt's machine for boiling salt water, | 19 | Do. do. | Do. |
| | In preventing the canker worm from destroying fruit trees, | 19 | Paul Adams, | Newbury, Essex county, Massachusetts. |

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| 140 | A mode of shutting the water gate of a mill, . In elevating grain, meal, flour or other pulve- rized substances, In pressing and straining oil and other fluids, | June 19 | Amos Bolton, | Fauquier county, Virginia. |
| | In boots and shoes, called the elastic hair soles, A mode of purifying fish and other oils, | 19 | Jeremiah Baily, | Kennet Square, Chester county, Penn. |
| | In his patented loom, | 22 | John Cunningham and Samuel S. Edmonston, | New York. |
| 145 | In manufacturing iron ore into paints, | 23 | William Francis, | Boston. |
| | In manufacturing edge tools of steel prepared by a common rolling press, | 23 | Lewis Leceane, | New York. |
| | In plummets of lead to be used in teaching Wrifford's art of writing, | 23 | Richard C. Rogers, | District of Maine, Massachusetts. |
| | A machine for making and forming all kind of cordage, | 23 | Robert Nicholson, | Bairdstown, Nelson county, Kentucky. |
| | A stove for heating water and to wash and boil clothes, | 26 | Elisha Gordon, | Philadelphia. |
| 150 | In malting and kiln drying, | 26 | Thomas Weston, | Peacham, Caledonia county, Vermont. |
| | A machine for cutting files, rasps and sickles, A machine for breaking, hairing and fleshing every species of hides, | 30 | Abel Hill, | Walpole, New Hampshire. |
| | In shearing and laying the knap of cloth, | July 3. | Thomas Woolson, | Amherst, Hillsborough county, N. H. |
| 155 | A horizontal steam engine for boats, &c. . . . | 9 | Hezekiah Parsons, | Colebrook, C. county, N. Hampshire.. |
| | A mathematical boot, | 11 | Samuel Gilman White, | Haverhill, Essex county, Massachusetts. |
| | An economical candle holder, | 18 | Nath. Kirk and Sam. C. Clark, | St. Clairsville, Belmont, Ohio. |
| | A roping and spinning machine, | 18 | Lemuel Dickerman, | Schaghticoke, Rensselaer county, N. Y. st. |
| | A machine for brushing and finishing cloth, A plane for shaving leather, | 18 | Jacob W. Sexton, | Burlington, New Jersey. |
| | In bookbinding, | 20 | Wm. G. Croese and J. Morgan, | Philadelphia. |
| 160 | In purifying spirits, | 20 | Peter Ward and Burgis Alison, | Do. |
| | In constructing boats and vessels, &c. . . . | 22 | Gideon Cornell, | Rensselaer county, New York. |
| | A cog and pendulum pump, | 27 | Seth Hat, | Hempstead, L. I. New York state. |
| | In the fire engine, | 27 | Fredrick Woodward, | N. Lisbon, Otsego county, N. Y. state. |
| | | 27 | John T. Sullivan, | Philadelphia. |
| | | 27 | Alno Pease and Samuel Bestor, | Enfield, Hartford county, Connecticut. |
| | | Aug. 5 | Francis Rotch, | Philadelphia. |
| | | 6 | Bened. Lies, | New York. |
| | | 6 | Isaac Hulseway, | Walton, Delaware county, N. York. |

| No. of Patents. | INVENTIONS. | When issued. | NAMES OF PATENTEES. | RESIDENCE OF PATENTEES. |
|-----------------|---|--------------|--------------------------------|---|
| | | 1812. | | |
| 165 | In the fire engine, | Aug. 6 | Allen Pollock & Jacob Perkins, | Boston. |
| | In roping and spinning cotton and wool, | 8 | John Brown, | Providence, Rhode Island. |
| | In the steam engine, | 21 | Alexander Anderson. | Philadelphia. |
| | In propelling boats or vessels, &c. | 21 | Ditto, | Do. |
| | A steam washer, | 21 | James Truman, | Do. |
| 170 | A facilitating washing machine, | 21 | Joseph Palmer, | Brookfield, Madison county, N. York. |
| | An apparatus and the art of making oil of vitriol, | 21 | Richard Maiben, | New York. |
| | A steam machine to be applied to keep a wheel in constant motion, | 25 | Marcus B. Parmelee, | Newtown, Fairfield county, Connecticut. |
| | In looms, | 27 | John Phelps, | Manlius, Onondago county, N. Y. state. |
| | In the bodies of carriages, | 27 | Henry Dunlap, | Georgetown, Columbia District. |
| | In iron bound boots, bootees, &c. | 28 | Ephraim Twombly, | Norway, Oxford county, Massachusetts. |
| 175 | In looms, | 28 | Chas. Cooper and Geo. Shaake, | Lebanon, Dauphin county, Pennsylvania. |
| | A circular interest table, | Sep. 8 | Joseph Jelleff, | Butternuts, Otsego county, N. Y. state. |
| | In constructing of wharves, | 9 | James Butler, | Baltimore. |
| | In fumiductors, | 10 | William A. Baron, | New York. |
| | In bookbinding called the extra moveable case, | 14 | Robert De Silver, | Philadelphia. |
| 180 | In the trip hammer, | 28 | Stephen Morrill, | Readfield, Kennebec county, Mas. |
| | In chain carts and rail ways for levelling hills &c. | 28 | John H. Morison, | Boscawen, Hillsborough, N. Hampshire. |
| | In the flier for spinning cotton, | 28 | Martin Newton, | Fitchburg, Worcester county, Mas. |
| | A machine for shearing cloth, | 28 | Gersham Bostwick, | Brookfield, Connecticut. |
| 185 | A saw mill, &c. to be worked by animal power, | Oct. 1 | Ethan Owen, | Prince George county, Virginia. |
| | A cooking apparatus, | 3 | John Morris, | New Haven, Connecticut. |
| | A box boiler, | 3 | Do. do. | Do. |
| | A machine for drawing all kinds of wire, | 6 | William Wadsworth, | Harford, Connecticut. |
| | A wool carding machine, | 13 | George Booth, | Poughkeepsie, New York state. |
| | For shearing cloth, | 13 | Do. | Ditto. |

190 A magnetic cylinder,
 In breaking, taking off the hair, fleshing and
 scraping hides and skins,
 In the loom,
 In bedsteads,
 In tanning,
 195 In compressing leather by a roller,
 A mode of obtaining extracts from barks, &c.
 In weaving feather cloth,
 A machine for drawing wire,
 An elliptical hinge,
 200 In cutting and heading nails,
 In saving of fuel,
 In converting cider into wine,
 In the mill wheel,
 In steam boats and engines,
 205 For setting saws,
 In the mode of subliming sulphur,
 A cylindrical hulling machine,
 A machine for cutting files,
 In the fier for spinning,
 210 In spinning cotton,
 In manufacturing of sugar candy ware,
 In lamps,
 An elevator for raising fluids or grain,
 In stills,
 215 In stoves called the parlour fire place,
 In open stoves,
 In water mills,
 A threshing machine,
 A snuff cutter or grater,
 220 A mowing machine,
 A threshing machine,

Oct. 13
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Samuel Browning,
 T. E. Barker & S. S. Fordham,
 John Heavin,
 John Redman Coxe,
 William Edwards,
 Do. do.
 William Greene Fessenden,
 Jonathan and Rozanna Sizer,
 Jacob T. and Thomas Walden,
 Mark and Richard Reeve,
 Do. do.
 Zina Phinny,
 Henry Seabolt,
 Rufus Lathrop,
 Daniel Large and Francis Grice,
 John Sommer,
 George Robertson,
 Sebastian Houpt,
 William T. James,
 Nehemia Giles,
 Do. do.
 Laurence Astolfi,
 James Mallory,
 Robert Christy,
 Hiram Whitcomb,
 William Lankester,
 Jos. Howe and Wm. Lankester,
 Samuel Brouwer,
 T. Judson and J. Hotchkiss,
 John B. Partarrieu,
 Peter Gaillard,
 Samuel Skiff,

Franconia, New Hampshire.
 Hudson, New York state.
 Montgomery county, Virginia.
 Philadelphia.
 Northampton, Hampshire county, Mas.
 Ditto.
 Walpole, New Hampshire.
 New London, Connecticut.
 New York.
 Burlington, New Jersey.
 Ditto.
 Cairo, Green county, New York state.
 Scipio, Cayuga county, N. Y. state.
 West Springfield, Hamden, Mass.
 Philadelphia.
 Franklin, Pennsylvania.
 Elizabeth Town, New Jersey.
 Philadelphia.
 Greenwich, Washington county, N. Y.
 Fitchburg, Worcester county, Mas.
 Ditto.
 Philadelphia.
 New York.
 Jefferson county, Virginia.
 Cornwall, Litchfield county, Connecticut.
 Boston.
 Boston.
 New York.
 Woodbury, Litchfield county, Con.
 New York.
 Lancaster, Pennsylvania.
 Sharon, Litchfield county, Connecticut.

| No. of Patents. | INVENTIONS. | When issued. | NAMES OF PATENTEES. | RESIDENCE OF PATENTEES. |
|-----------------|---|--------------|-----------------------------------|---|
| | | 1812. | | |
| | A machine for making cloth by felting, | Dec. 8 | Oliver Barrett, junior, | Troy, New York state. |
| | In bridles, | 10 | Robert Smether, | Orange county, Virginia. |
| 225 | A machine for boring rocks, | 10 | John Sanford, | Sharon, Litchfield county, Connecticut. |
| | A threshing machine, | 14 | John Hought, junior, | Bucks county, Pennsylvania. |
| | In wheel heads, | 14 | William H. Peabody, | Woodbury, Litchfield county, Con. |
| | In building or modelling ships or vessels, | 17 | Frederick Tudor, | Boston. |
| | In propelling boats by sculling, | 17 | Isaac Silliman, | Philadelphia. |
| 230 | A linnen spinner, | 21 | Alpheus Webster, | Green county, New York state. |
| | In making shingles, | 24 | John Loomis, | Geneva, Orange county, New York state. |
| | A hide mill or machine for softening dry hides, | 30 | William Edwards, | Northampton, Hampshire county, Mas. |
| | Improvements in tanning soal leather, | 30 | Ditto, | Ditto. |
| | An improved fire engine, | 30 | John Achman, | Washington, Columbia District. |
| 235 | A washing machine, | 30 | Erastus Denison, | New Lisbon, Otsego county, New York. |
| | In the bake oven, | 30 | John Bouis, | Baltimore. |
| | In the cambouse, | 31 | Ditto, | Ditto. |
| | A rake for collecting apples, | 31 | Ezias Hart, | Berlin, Harford county, Connecticut. |

LETTER

FROM

THE SECRETARY OF STATE,

TRANSMITTING

A LIST OF THE NAMES OF PERSONS

TO

WHOM PATENTS HAVE BEEN ISSUED

FOR

ANY NEW OR USEFUL ART, MACHINE, MANUFACTURE,

OR

COMPOSITION OF MATTER, OR ANY IMPROVEMENT THEREON,

FROM

JANUARY 1st, 1813, TO JANUARY 1st, 1814.

JANUARY 31, 1814.

Ordered to lie on the table.

WASHINGTON:

A. & G. WAY, PRINTERS.

.....
1814.



DEPARTMENT OF STATE,

January 1st, 1814.

SIR,

IN pursuance of the resolution of the House of Representatives of the United States, dated the 13th of January, 1812, I have the honor of transmitting a list of the names of persons who have invented any new or useful art or machine, manufacture or composition of matter, or any improvement thereon, and to whom patents have been issued for the same, from this office, from the 31st day of December, 1812, to the 1st day of January, 1814, with the dates, and general objects of such patents: and also, the residence of the patentees, as far as they could be ascertained.

JAMES MONROE.

*The honorable the Speaker
of the House of Representatives
of the United States*



LIST of the names of persons to whom patents have been issued for any new or useful art, &c.

| INVENTIONS. | WHEN ISSUED. | NAMES OF PATENTEES. | RESIDENCE. |
|---|-------------------|---|--|
| A nurse lamp, | 1812. Dec. 31. | William Howe, | Boston. |
| | 1813. | | |
| A pendulum mill, | Jan. 6. | William Grandin, | Hector, Seneca county, New York. |
| A machine for making ship and other bread, | 8. | Jehosaphat Starr, | Middletown, Middlesex county, Conn. |
| In pitch forks, | 12. | Jared Byington, | Hinesborough, Chittenden county, Verm't. |
| In preparing colours and paints from ores, &c. | 14. | Henry Alexander, | Baltimore. |
| In the fire place and chimney for saving fuel, | 18. | Samuel Morey, | Philadelphia. |
| In distilling, | 18. | Omri Carrier, | Enfield, Connecticut. |
| Ditto, | 26. | John Bates, | Hartford, Connecticut. |
| In making cloth and blankets from sheep's wool, | Feb. 3. | { Allen Barnes, Samuel Gray } { and Jabez Clark, } | Windham, Connecticut. |
| A machine for cutting fur from peltry, | 4. | Ephraim Cutter, | Walpole, New Hampshire. |
| A machine for heading wood screws, | 4. | Abel Stowell, | Worcester, Worcester county, Mass. |
| Manufacturing acetate of copper or verdigris, | 4. | Stephen Dempsey, | New York. |
| In the stove and boiler, | 6. | Gabriel N. Phillips, | Goshen, Orange county, New York. |
| In raising water from wells, &c. | 6. | George Patterson, | Philadelphia. |
| A machine for carding cloth, | 6. | John Jessup, | Orange county, New York. |
| In the kitchen stove, | 8. | John Spencer, | Albany, New York. |
| Machine for making bread, | 8. | George Richards, | Manlius, Onondaga county, New York. |
| In the plough, | 8. | John Sietz, | Strasburg, Lancaster county, Penn. |
| Wheels of elastic oars for propelling boats, &c. | 16. | Louis Mure Latour, | New York. |
| A printing press & mode of distributing ink on types, | 17. | William Elliot, | Hartford, Connecticut. |
| In the printing press, | 26. | Zachariah Mills, | Ditto. |
| In tassels and cords for boots, | March 1. | Alfred Janes, | Ditto. |

LIST, CONTINUED.

| INVENTIONS. | WHEN ISSUED. | NAMES OF PATENTEES. | RESIDENCE. |
|---|-------------------|----------------------------------|---|
| In stoves, Machine for planing boards and plank, and shaving shingles, | 1813. March 1. | Alfred Janes, | Hartford, Connecticut. |
| An ice-breaking machine, | 2. | William Badger, | Madison county, Mississippi territory. |
| In saw mills, | 2. | John I. Williams, | Georgetown, district of Columbia. |
| A medicine made use of in fevers, &c. | 2. | Hiram Whitcomb, | Cornwall, Litchfield county, Connecticut. |
| For boiling liquors and for distillation, | 2. | Samuel Thompson, | Surry, Cheshire county, N. Hampshire. |
| The perpetual wool spinner, | 3. | John Morris, | New Haven, Connecticut. |
| For sifting meal, | 3. | Burgiss Allison, | Burlington, New Jersey. |
| A Refrigerator, | 8. | Daniel Homan, | Brookhaven, Suffolk county, New York. |
| In manufacturing brass, copper & composition nails, | 16. | John W. Bronaugh & Jesse Talbot, | Georgetown, district of Columbia. |
| Mode of applying heat to machines for preparing wool for worsted, | 17. | George Whitfield Robinson, | Attleborough, Bristol county, Mass. |
| In the wheel-head, | 18. | Joseph Bamford, | Philadelphia. |
| In fire places, | 18. | Eli Church, | Homer, Cortland county, New York. |
| In the gas-lamp, | 18. | David F. Launy, | Philadelphia. |
| A domestic and factory loom, | 18. | David Melville, | Newport, Rhode Island. |
| In repeating gunnery, | 20. | Walter Janes, | Ashford, Windham county, Connecticut. |
| In pumps, | 23. | Joseph C. Chambers, | West Middletown, Washington co'ty, Pa. |
| Machine for making screw shanks, | 23. | Jacob Perkins, | Newburyport, Massachusetts. |
| In the fire-engine. | 23. | Ditto, | Ditto. |
| A vault lock for banks, | 23. | Ditto, | Ditto. |
| A portable or separating furnace for casting brass, or other metal, | 23. | Ditto, | Ditto. |
| | 30. | Joseph Share, | Baltimore. |

In the boiling stoves,
 In stoves,
 For shaving and splitting leather,
 In the mode of preparing magnesia,
 In steam-engines,
 A machine for cutting timber,
 A carding, spinning and roping machine,
 A spinning and roving machine,
 Machine for cutting and heading nails, and making
 wrought nails,
 Varnish of elastic gum to render water-proof, and
 for many other uses,
 A press for pressing hay,
 In the art of drawing in perspective mechanically,
 A machine for cutting screws,
 A machine for winnowing grain,
 A horizontal shearing machine,
 A carriage to be moved by hand,
 In manufacturing all sorts of plane irons & sythes, &c.
 Machine for breaking flax and hemp, &c.
 The flour worm for cooling flour,
 Machine for drawing wire,
 A liquid combustible shell grenade and serpentine
 rocket,
 For roping and spinning wool called the farmers'
 spinner,
 A machine for making shot and bullets,
 In the loom,
 For raising a nap on cloth,
 Apparatus for boiling and manufacturing sals,
 Preparing and manufacturing different parts of the
 asclepias or silk weed, for thread or cordage,
 Machine for cutting and making files,
 In the bull plough,

April

30. Henry Abbett,
 30. George Warrall,
 5. Samuel Parker,
 8. William Dunn,
 10. James D. Russell,
 15. David Cram,
 15. Theodore Norton & George Biddis,
 15. Samuel Comstock & Moses Pike,

16. Mark and Richard Reeve,

29. Jacob Frederick Hummel,

29. Richard V. W. Thorn,

30. Simeon De Witt,

May

4. Jacob Sloat,

4. John James, 3d.

4. Thomas Blanchard,

4. Daniel Nine, junr.

6. Daniel Pettibone,

6. Ira Millard,

6. John Smelzer,

10. John I. Staples,

11. James Lloyd,

12. John Brown,

12. Peregrine Williamson,

27. Shepard Briggs,

27. James Mathes,

28. John J. Cabell,

28. George Smith,

28. Cyrus Jackson,

28. Sylvanus Tousley,

Philadelphia.

Ditto.

Billerica, Middlesex county, Mass.

Boston.

Washington, Beaufort county, N. Carolina.

Clarksburg, Harrison county, Virginia.

Milford, Wayne county, Pennsylvania,

Harrisburg, Dauphin county, Penn.

Philadelphia.

Ditto.

New York city.

Albany, New York.

Ramapo cove, Rockland county, N. York.

Plymouth, Massachusetts.

Sutton, Worcester county, Massachusetts.

Reading, Berks county, Pennsylvania.

Philadelphia.

Kent, Litchfield county, Connecticut.

Adams county, Pennsylvania.

Flushing, Long Island, New York.

Adams county, Pennsylvania.

Providence, Rhode Island.

Baltimore.

Canaan, Litchfield county, Connecticut.

Barre, Jefferson county, Vermont.

Lynchburg, Campbell county, Virginia.

New York.

Butternuts, Otsego county, New York.

Onondaga county, New York

LIST, CONTINUED.

| INVENTIONS. | WHEN ISSUED. | NAMES OF PATENTEES. | RESIDENCE. |
|---|--------------|---|--|
| | 1813. | | |
| In the steam-engine, | May 29. | Samuel Briggs and Andrew Steel, | Baton Rouge, Iberville county, Louisiana. |
| In the furnace and boilers for manufacturing salt, | 29. | Samuel Anthony, | Lynchburg, Campbell county, Virginia. |
| In the plough, | June 2. | Mathew Patrick, | Scipio, Cayuga county, New York. |
| In heating water and tanning in cold weather, | 2. | Caleb Atwater, | Genoa, do. |
| A cartouch box, | 3. | Jonathan Mix, | New York. |
| In making shot and bullets, &c. by pressure, | 4. | Thomas Bruff, | Washington city. |
| A washing machine, | 10. | John F. Whipple, | Easton, Washington county, New York. |
| A composition for taking off the glaze from the face of mill-stones, | 10. | John Noble, | Derby, New Haven county, Connecticut. |
| In the cradle, | 15. | Samuel Pope, | Windsor, Hartford county, Connecticut. |
| Machine for making wheels, | 15. | { Melzor Hunt and } { Cotton White, } | Sunderland, Franklin county, Mass. |
| Machine for breaking flax and hemp, | 30. | William Van Duzer, | Hartford, Hampshire county, Mass. |
| In the yarn beam for looms, | 15. | Simeon Pettee, | Warwick, Orange county, New York. |
| In looms, | 18. | Alfred Ware, junr. | Foxboro', Norfolk county, Massachusetts. |
| Machine for making shingles, | 18. | Otis Paine, | Franklin, do. do. |
| A washing machine, | 18. | Josiah Hotchkiss, | Foxboro', do. do. |
| Machine for spinning cotton, | 19. | Luther Bissell, Justus Hinman, Luke C. Hinman and Benoni Gains, | Woodbury, Litchfield county, Connecticut. |
| In Ferry boats, | 25. | Thomas Cohoon, | Hartwick, Otsego county, New York. |
| Improvement of Jacob Perkins's method of impress- ing all kinds of die work on steel, copper, &c. } by circular dies, } | 25. | { Jacob Perkins, } { George Murray, } | Pittsfield, Massachusetts. Newburyport, Massachusetts. Philadelphia. |

A washing machine,
 In the press,
 A twisted screw gimblet,
 In fire places and stoves,
 In the still,
 In water mills,
 In making spoons,
 A copper and steel plate printing press,
 In saw mills,
 In the loom,
 In fire places and stoves,
 Improvement in his spinning machine, which was
 patented the 28th of June, 1809,
 In stills,
 A cylinder heater for heating mash water, &c. for
 distilling,
 A floating house or bathing machine,
 in bleaching cotton goods by steam,
 Machine for finishing the heads of wood screws,
 or iron screws for wood work,
 In die work as a substitute for etching, &c. ,
 A bark mill,
 A printing press,
 In grist mills,
 In making cloth of hair,
 In the loom,
 In the weavers' lathe,
 A tabulated cylinder shot,
 Improvement in distilling, and of wooden still,
 A machine for making ropes and twine,
 In spinning wheels,
 In the construction of locks,
 In pumps,
 A mill for grinding and pounding, &c.

July

August

25. Silas Hitchcock,
 25. Ditto,
 25. Joseph Broad,
 25. Ezra Haskell,
 26. John James Giraud,
 26. Jacob Perkins,
 29. Ditto,
 29. Ditto,
 3. Luther Bissell,
 8. Thomas Robinson Williams,
 7. Chauncey Guernsey,
 8. Nathaniel Foster,
 12. Charles F. Fisher,
 12. Charles Jenks and Abiel Pease,
 13. Henry Chevens,
 14. Alex. Milne and Daniel S. Deane,
 15. Abel Stowell,
 15. Abel Brewster,
 16. Caleb Churchman & Geo. Martin, jr.
 16. Daniel Pierson,
 20. Abraham Sawyer,
 23. William Shotwell & Arthur Kinder,
 24. Elihu Robinson,
 24. John Drummond,
 3. James M. Ludlum,
 3. John J. Giraud,
 3. John Heavin,
 4. Daniel Hurlbut,
 5. William Pie,
 6. Thomas Nicholson & Samuel Gunn,
 7. Alexander Duncan Moore,

Vernon, Oneida county, New York.
 Ditto.
 Salisbury, Litchfield county, Connecticut,
 New London, Connecticut.
 Baltimore.
 Newburyport, Massachusetts.
 Ditto.
 Ditto.
 Hartwick, Otsego county, New York.
 Newport, Rhode Island.
 Poulfney, Rutland county, Vermont.
 Feming, Kentucky.
 York, Pennsylvania.
 East Windsor, Connecticut.
 New York.
 Clinton, Dutchess county, New York.
 Worcester, Massachusetts.
 Frankfort, Philadelphia county, Penn.
 Upper Chichester, Delaware co. Penn.
 Newburyport, Massachusetts.
 Chester, Windham county, Vermont.
 New York.
 Augusta, Kennebeck county, Mass.
 New York.
 New York.
 Baltimore.
 Montgomery court house, Virginia.
 Aurelius, Cayuga county, New York.
 New York.
 Genoa, Cayuga county, New York.
 New Haven county, North Carolina.

LIST, CONTINUED.

| INVENTIONS. | WHEN ISSUED. | NAMES OF PATENTEES. | RESIDENCE. |
|--|--------------|---|---|
| | 1813. | | |
| A pendulum churn, | August 7. | Silas Hitchcock, | Vernon, Oneida county, New York. |
| Improvement in the plough, | 7. | Mathew Murray, | Middletown, Frederick county, Maryland. |
| In heating liquors, wash, &c. for distilling, | 48. | Thomas Belden, | Hartford, Connecticut. |
| In the preparation of flour of Mustard, | 49. | Samuel Hopkins, | Rshway, New Jersey. |
| In extracting hair from fur skins, | 49. | John Hollingshead & Daniel Baker, | Trenton, New Jersey. |
| In the machine called the cylindrick polisher, | 20. | Ebenezer Stowell, | Middlebury, Addison county, Vermont. |
| A twining comb machine, | 20. | Daniel Carrington and Ira Ives, | Litchfield, Connecticut. |
| Improvement in the lamp, consisting of a double reflector to one blaze, | 20. | Wm. Foster, jr. & Leonard Foster, | Boston. |
| In the weavers' beam, | 24. | Goliath Williams, | North Providence, Rhode Island. |
| In the mill gudgeon, | 24. | Michael Withers, | Strasburg, Lancaster county, Penn. |
| In constructing and navigating ships, boats, &c. | 26. | Benjamin Connor, | Portsmouth, New Hampshire. |
| In the plough, | 28. | Horace Pease, | Enfield, Hartford county, Connecticut. |
| A doubling, twisting and reeling machine, | 30. | Halsted E. Haight & John Haight, | New York. |
| In setting stills, and in the furnace, | 31. | Abraham Gibbs, | Lancaster, Penusylvania. |
| Improvement in the press, patented by John Cunningham and Samuel S. Edmonston, | Septem. 1. | Samuel S. Edmonston, | New York. |
| Machine for sawing shingles called a shingle mill, | 3. | Willard Earl, | Hubbardston, Worcester county, Mass. |
| An Hydrostatic engine and steam engine, | 3. | Stephen H. Long and George F. A. Hauts, | Germantown Pennsylvania. |
| In manufacturing paper hangings, with light coloured satin grounds, | 8. | Hezekiah Steel, | Hudson, New York. |
| Machine for cutting nails, | 8. | Henry Lutgen, | Marietta, Lancaster county, Penn. |
| Machine for splitting skins, | 9. | William Bent, | Boston. |

Improvement in the nail machines patented by them on the 3d of February, 1812, 31st October, 1812, and 16th of March, 1813,

A revolving weaving loom,

A pump for elevating meal, grain and other light substances,

A warm bathing vessel,

Machine for, & mode of preparing hemp and flax, &c.

Manufacturing wine from cider,

Improvement in the flood gate,

A cylindrical boiler,

A spring bolt for holding up window sashes,

Mould for forming wool and rorams, &c. into batts for hats,

Machine for shearing cloth,

In the stocking loom,

Machine for planing card boards and scabboards,

Mode of propelling boats by levers and weights,

In grinding and reducing ores into powder and preparing them for various uses,

Improvement in his condensing tub for heating water for distillation,

Machine for sawing, polishing and moulding stone,

In spinning the hair of neat or black cattle,

In carding the hair of do.

In rendering leather impermeable to water,

In manufacturing white lead and flake white,

In wooden springs for carriages,

A spiral stove,

In the art and process of making and using elastic steel card teeth, and converting iron fish hooks, &c. into steel when formed of iron,

In the still and condensing tub,

In water boilers and steam stills,

October 28. Mark Reeve & Richard Reeve,
2. John Hess,

2. John Ewing & David Dickey,
4. Daniel Harrington,
7. Francis Hall,
8. Ezra B. Corkings,
9. Benjamin S. Hort,
9. Philo M. Hackley,
13. Nathaniel Briggs,

14. John Wexley,
22. Silas Hills,
22. Ebenezer Herrick,
23. Wm. Kimball & Sam. Willard, jr.
23. John T. Schenck,

27. Henry Alexander,

Novem. 27. Alexander Anderson,
3. Simon B. Willard,
4. Wm. Shotwell & Arthur Kinder,
4. Ditto,
4. Joseph Board,
8. Alexander Jas. Hamilton,
10. Luke H. Thrall,
13. Robert Roy,

13. Ebenezer Jenks,
13. James Wheatley,
Decem. 2. Tim. Soper, jr. & Charles Reynolds,

Philadelphia.
Hempfield, Lancaster county, Penn.

Oxford, Chester county, Pennsylvania.
Centerville, Fairfax county, Virginia.
Tennessee.
Bristol, Ontario county, New York.
George Town, South Carolina.
Hudson, New York.
New York.

Albany, New York.
Hudson, do.
Stockbridge, Berkshire county, Mass.
Mount Vernon, Hillsborough cot'y, N. H.
New York.

Baltimore.

Philadelphia.
Bloomfield, Ontario county, New York.
New York.
Ditto.
Ditto.
Ditto.
Ditto.

Troy, New York.
Warwick, Orange county, New York.

Colebrook, Litchfield county, Connecticut.
Fauquier county, Virginia.
Hartford, Connecticut.

LIST, CONTINUED.

| INVENTIONS. | WHEN ISSUED. | NAMES OF PATENTEES. | RESIDENCE. |
|--|--------------|---|---|
| | 1813. | | |
| In the loom, | Decem. 2. | Robert Sugden, | Boston. |
| A multiplying reacting hollow cylinder, | 3. | Thomas Powell, | New York. |
| In manufacturing gun powder, | 7. | Thomas Ewell, | George Town, Columbia district. |
| A mode of giving power and motion to machinery by weights, | 18. | Peter Obert, | New York. |
| A machine for cutting screws, | 30. | John Humes, | Richmond, Virginia. |
| In making steel plated sleigh shoes, | 30. | Salmon Hunt, | Canaan, Litchfield county, Connecticut. |
| A machine for making screws, | 31. | Abner Burnham & Tho. S. Barnum, | Sharan, Litchfield county, Connecticut. |
| A mode of weaving millinet, muslin, lace, &c. | 31. | Stephen Steward, | Cheshire, Walpole county, N. Hampshire. |
| In the wheel-head. | 31. | David Loring, | Canandaigua, New York. |
| In steam engines and in applying steam, | 31. | Francis B. Ogden, | Essex county, New Jersey. |
| A machine for polishing and framing cyphering slates, | 31. | John Coleman, | Baltimore. |
| In the distilling apparatus, | 31. | Isaac Hoffman, | Shawangunk, Ulster county, New York. |

LETTER

FROM

THE SECRETARY OF STATE,

TRANSMITTING

A List of Persons

WHO

HAVE MADE ANY NEW AND USEFUL INVENTION,

AND FOR WHICH

PATENTS HAVE BEEN OBTAINED,

FROM

THIRTY-FIRST DECEMBER, 1813, TO THE FIRST JANUARY, 1815.

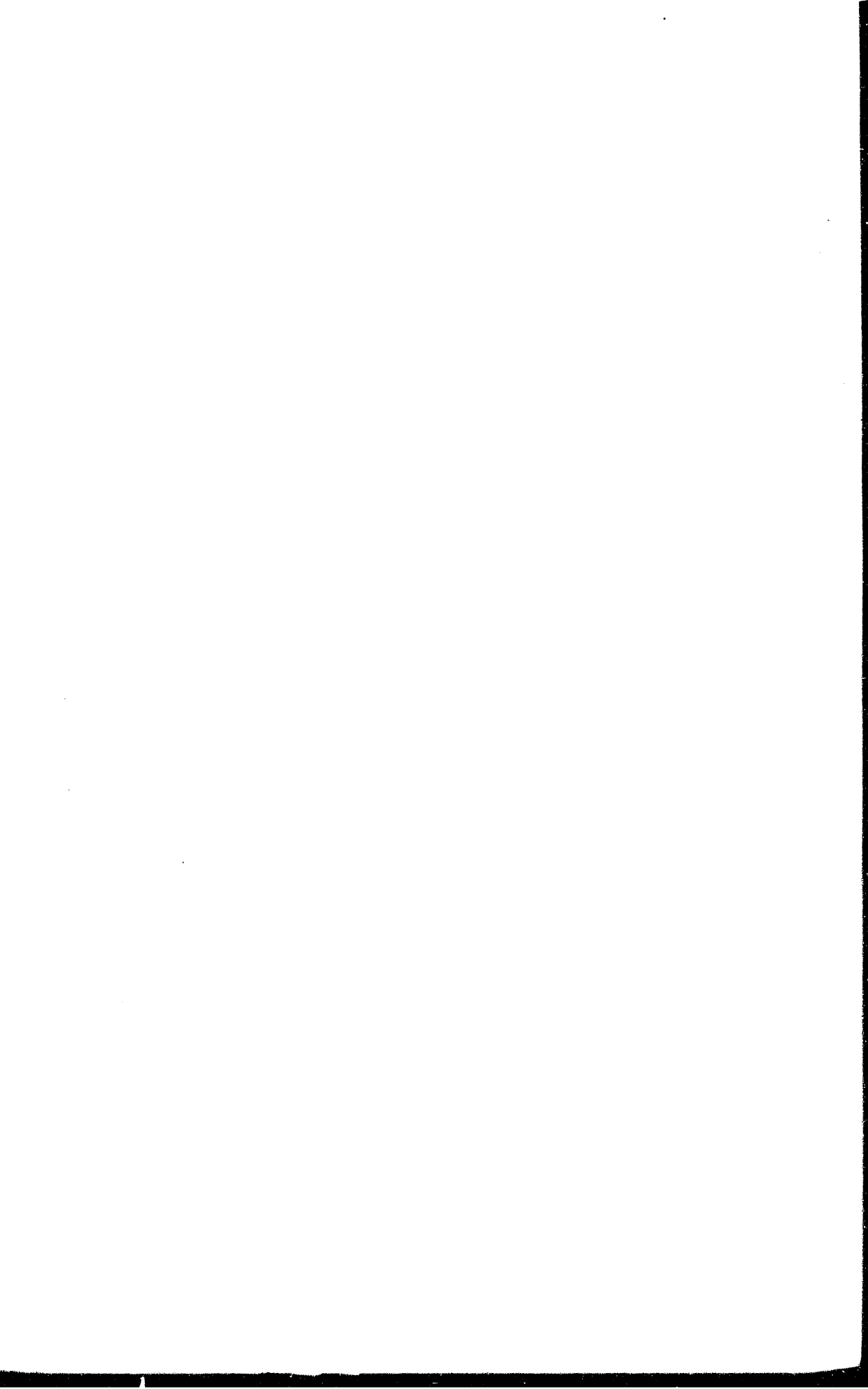
JANUARY 30, 1815.

READ AND ORDERED TO LIE ON THE TABLE.

WASHINGTON CITY:

PRINTED BY ROGER CHEW WEIGHTMAN.

1815.



DEPARTMENT OF STATE,

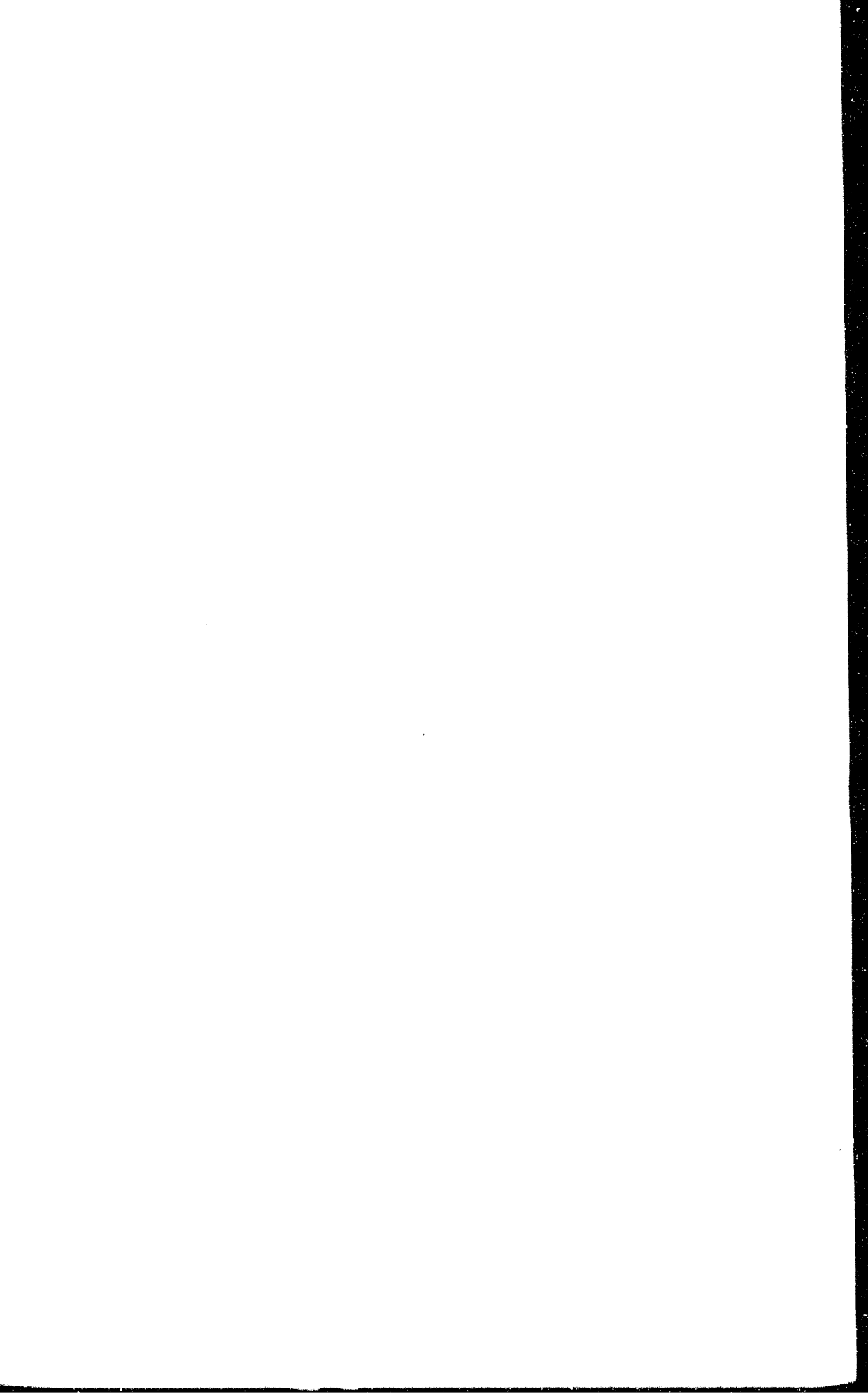
JANUARY 1st, 1815.

SIR,

In pursuance of the resolution of the house of representatives of the United States, dated the 13th of January, 1812, I have the honor of transmitting a list of persons who have invented any new or useful art or machine, manufacture, or composition of matter, or any improvement thereon, and to whom patents have been issued for the same, from this office, from the 31st day of December, 1813, to the 1st day of January, 1815, with the dates, and general objects of such patents; and also, the residence of the patentees, as far as they could be ascertained.

JAMES MONROE.

To the Hon. the Speaker of the House of Representatives.



List of the names of persons to whom patents have been issued for new and useful arts, &c.

| Nos. | Inventions. | When issued. | Names of patentees. | Residence. |
|------|--|--------------|---------------------------------------|------------------------------------|
| | | 1814. | | |
| | In the churn | Jan. 5 | William Humphrey | Ohio. |
| | In steelyards and scales | 6 | Zena Phinney | Green county, N. Y. |
| | In the loom | 7 | John M. Morel Guiramond | Baltimore. |
| | Rheumatic pills | 13 | Ezra Deane | Biddeford, Suffolk county, Ms. |
| 5 | A machine for cutting nails | 13 | Richard Moore | Lycoming county, Penn. |
| | The rapid boat | 14 | Frederick Wm. Geissenhainer | New York. |
| | A hopper filler for bolting flour, &c. | 15 | Abraham Hershe | Lancaster, Lancaster county, Penn. |
| | A throstle for spinning wool, cotton, flax, and hemp | 21 | Stephen Shallcross | New York. |
| | A zigzag shearing machine | 21 | Edmund Durrin | Wethersfield, Windsor county, Vt. |
| 10 | A portable warm and hot bath | 21 | Samuel K. Jennings | Lynchburg, Vir. |
| | A mode of manufacturing felt hats from a mixture of clothier's flocks with sheep's wool | 21 | Jedediah Carleton | Salem, Rockingham county, N. H. |
| | In water mills | 25 | John Owings | Baltimore. |
| | An impressed roller for making knives, spoons, &c. | 25 | Ditto | Ditto. |
| | A machine for heading nails | 26 | Samuel Rogers | Wgewater, Plymouth county, Ms. |
| 15 | In chimney fire places, air-flues, and ventilators, on the principle of dense air seeking, like water, its level | 28 | John C. Brush | Washington city. |
| | A loom for warping, or mounting the warp on the yarn beam | Feb. 1 | Calvin Whitney | Dedham, Norfolk county, Ms. |
| | In manufacturing salt | 1 | William J. Lewis | |
| | A bathing machine | 1 | William Merritt | New York. |

List of the names of persons to whom patents have been issued for new and useful arts, &c.

| Nos. | Inventions. | When issued. | Names of patentees. | Residence. |
|------|---|--------------|--|---|
| | | 1814. | | |
| 20 | In steam boats | Feb. 2 | Daniel Dod | Mendham, N. J. |
| | A washing machine | 4 | John Gray | Eaton, Madison county, N. Y. |
| | Lee's New London bilious pills | 8 | Samuel H. P. Lee | New London, Con. |
| | In mills | 8 | Ebenezer Bryant | New London, Con. |
| | In propelling boats by animal power | 9 | Moses Rogers | New York. |
| 25 | In manufacturing iron ore into paint | 10 | Borden Wilbor | Whitestown, Oneida county, N. Y. |
| | In boring guns, pistols, &c. by an augur, called a pistol groove or twisted screw augur | 12 | Daniel Pettibone | Philadelphia. |
| | In looms | 18 | John Heavin | Montgomery county, Vir. |
| | Machine for mowing grass, &c. | 19 | Peter Baker | Long Island, N. Y. |
| | In looms | 19 | Daniel Briggs | Canaan, Litchfield, Con. |
| 30 | A cylindrical brad, sprig and nail machine | 21 | Robert Turner | Boston. |
| | An ardent spirit proof | 21 | Benjamin Miller | North Salem, Westchester county, N. Y. |
| | In rasping and grinding dye woods, &c. | Mar. 1 | Joseph Broad | Springfield, Ms. |
| | A machine for grinding potatoes | 1 | Jesse King | Florida, Berkshire county, N. Y. |
| | In the bar-share plough | 1 | John Butler and Joshua Butler | John Butler, Brandywine, and Joshua Butler, Chester county, Pa. |
| 35 | In making bad butter good, and making family butter with land | 4 | Zena Phinney | Green county, N. Y. |
| | An eleven plate stove for boiling, baking, and warming rooms | 7 | Charles Postley | New York city. |
| | In using pelts for manufacturing paper | 7 | John M ^r Thorndike | |
| | For cutting files | 7 | Charles Platt and Daniel Platt | Sharon, Litchfield county, Con. |

| | | | | |
|----|--|---------|-----------------------------------|---------------------------------------|
| | For cutting, heading, filing, turning, sawing the head, and cutting the thread of screws | Mar. 7 | James Gleason | Philadelphia. |
| | For smoothing card boards | 10 | Daniel Stearns | Brattleborough, Windham cty. Vt. |
| 40 | An air furnace for melting oars, refining and heating iron with stone coal | 16 | Thomas Gregg | Connell's Ville, Fayette county, Pen. |
| | The expeditious sawyer | 18 | John H. Morison | Boscowen, Hillsborough cty. N. H. |
| | A ball proof vessel, to be propelled by steam applied under water | 19 | Thomas Gregg | Connell's Ville, Fayette county, Pen. |
| | A water loom | 21 | Brightberry Brown | Albermarle, Vir. |
| | A family billy and jenny for spinning, &c. | 23 | Ebenezer Smith | Paris, Oneida county, N. Y. |
| 45 | A perpetual steam still | 24 | John James Giraud | Baltimore. |
| | In match lights and boxes | 26 | Rd. Allison and Nl. Stout Allison | Burlington, N. J. |
| | A spinning wheel | 26 | Harvey Wright & Orlestus Roberts | Bristol, Harford county, Con. |
| | A composition for making black lead pencils | 26 | Christopher Osgood | Salem, Essex county, Ms. |
| | A machine for shearing cloths | 26 | Isaac Sanford | Providence, R. I. |
| 50 | A substitute for teasels and cards for raising the nap of cloths | 26 | Ditto | Ditto. |
| | For cutting combs at a single operation | 26 | Joseph Heartwell Derby | Leominster. |
| | A medicine called canker drops | 28 | David Holbrook | Onondaga county, N. Y. |
| | A machine for raising water | 31 | Jacob Hartman | Lampeter, Lancaster county, Pen. |
| | A machine for hulling cotton seed | 31 | John Lineback | Salem, Stoke county, N. C. |
| 55 | A mode of putting leather together by wooden or metal pegs | April 2 | Sidney B Browne | Westchester county, N. Y. |
| | In augurs | 2 | Martin Howe | New York. |
| | A vibrating nail cutting machine | 2 | Ebenezer Avery Lester | Herkimer, N. Y. |
| | A steam tow-boat and warping windlass | 2 | John L. Sullivan | Boston. |
| | For heading cut nails | 7 | Jacob Davey | Fair Haven, Rutland county, Vt. |
| 60 | For cutting brads, nails, and spikes, of all sizes | 8 | Stephen Belknap | Washington city. |
| | For manufacturing salt | 8 | Thomas Hord | Caroline county, Vir. |
| | In stills | 9 | Ezra Talmage | Richmond, Vir. |
| | A machine for planting corn | 12 | John Blocher | Lancaster, Pen. |
| | A water engine | 13 | Joel M. Dupuy | Woodford, Ken. |
| 65 | In the torpede | 14 | Ebenezer Ford | Baltimore |

List of the names of persons to whom patents have been issued for new and useful arts, &c.

| Nos. | Inventions. | When issued. | Names of patentees. | Residence. |
|------|--|--------------|--|-------------------------------------|
| | | 1814. | | |
| | In making lead pipes for conveying water . | April 18 | Alpheus Todd | Oxford, Grafton county, N. H. |
| | For grinding paints | 18 | Peter Breasted | Green county, N. Y. |
| | In wheels for spinning with heads, to be used for spinning and quilling | 18 | Emery Russell | Long Meadow, Hamden cty. Ms. |
| 70 | In looms | 18 | John Coulter and Stephen Gano | Berkley county, Vir. |
| | In bark mills | 18 | Jared Olds | Meriden, New Haven county. |
| | In wheel heads | 18 | Emery Russell | Long Meadow, Hamden cty. Ms. |
| | In distillation | 19 | John W. Alder | Pennsborough, Lycoming cty. Pen. |
| | In carriage springs | 22 | Richard Humphries and Israel C Humphries | Cantwell's bridge, New Castle, Del. |
| 75 | A salt water evaporator | 23 | William M. Hawkins | King and Queen county, Vir. |
| | In steam engines and steam boats | 23 | John Dowers, jun. | Philadelphia. |
| | The atmospherical house warmer and smoke driver | 27 | Robert Annesly | Philadelphia. |
| | In the loom | 27 | Jacob Spinkle | Wythe court house, Wythe cty. Vir. |
| | In lamps | 27 | Edward Clark | Philadelphia. |
| | A furnace for melting and refining of me tals | May 4 | Thomas Barnhurst, Joseph Barn hurst, and William Walker | Ditto. |
| 80 | In making white lead | 5 | Elisha De Butts | Baltimore. |
| | In distilling | 6 | William M. B. Wollias, and Hiram P. Barlow | Oneida county, N Y |
| | In making tin plates | 9 | David Noble | Philadelphia. |
| | A machine for cutting shoes, &c. | 9 | Benjamin Miller | Ditto. |

For cutting files
Improvement on Files May 11 | Silas Hawes

| | | | | |
|-----|--|--------|---------------------------------|-------------------------------------|
| 85 | For cutting tiles Improvement on Farnham's horizontal water wheel | May 11 | Silas Hawes | Bennington, Bennington cty. Vt. |
| | In the still and condenser | 12 | David Cooper | Jerico, Chenango county, N. Y. |
| | In the baking, boiling, and steaming stove | 13 | Benjamin Hall | New Haven, Con. |
| | In inkstands | 13 | Eliphalet B. Coleman | Ditto. |
| | A family stove | 13 | Oliver Barber | Hartford, Con. |
| 90 | In andirons | 17 | Joseph Tuley | Frederick county, Vir. |
| | In moulds for casting printing types | 17 | Willaby Dexter | Winchester, Litchfield county, Con. |
| | A fire-proof ceiling | 17 | Archibald Binny | Philadelphia. |
| | A guage to be attached to the anvil of a trip hammer for plating out scythes | 17 | Benjamin James Harris | Richmond, Vir. |
| | For pressing brick and tiles | 17 | Benjamin Richardson | Western, Worcester county, Mass. |
| 95 | For carding wool | 18 | Benjamin Porter | Salem, Mass. |
| | In casting iron hinges | 18 | Lewis French | New Haven, Con. |
| | For splitting, and shearing horn for lantern-lights, combs, &c. | 18 | Cyrus Alger | Boston. |
| | A washing machine | 24 | John Pulsifer | Newbury, Essex county, Mass. |
| | An apparatus for making salt | 24 | Eliphalet Jaques | Newburyport, Mass. |
| | | 26 | Wm. Hawkins and John D. Hawkins | Raleigh, N. C. |
| 100 | For melting all kinds of ores and metals | 27 | Daniel Walworth | Middletown, Middlesex cty. Con. |
| | A cheese press | 27 | Joseph Goulding | Worcester, Worcester county, Ms. |
| | A mode of balancing wheels | 27 | John Andrews | Litchfield, Herkimer county, N. Y. |
| | In manufacturing scythes | 27 | Luther Dudley | Sutton, Worcester county, Ms. |
| | An apparatus for manufacturing salt, boring wells, and pumping water | 28 | Richard Deering | Alexandria, Columbia. |
| 105 | In making cornices of brick for buildings | 28 | Thomas K. Beale | New York. |
| | In the German flute | June 6 | William Schaffer | Litchfield, Con. |
| | A buff, or polishing wheel | 6 | Aaron Broad | Ditto. |
| | In manufacturing screws, ramrods, knives, and forks, &c. | 6 | Ditto | Litchfield, Con. |
| | For cutting dye stuffs, barks, &c. | 9 | Ditto | Lynchburg, Campbell county, Vir. |
| 110 | In manufacturing salt | 10 | John I. Cabell | New York. |
| | In the bayonet socket | 11 | Andrew Willson | |

DEPARTMENT OF STATE,

February 1st, 1816.

SIR,

In pursuance of the resolution of the house of representatives of the United States, dated the 13th of January, 1812, I have the honour of transmitting a list of the names of persons who have invented any new or useful art or machine, manufacture, or composition of matter, or any improvement thereon, and to whom patents have been issued for the same, from this office, from the 1st day of January, 1815, to the 1st day of January, 1816, with the dates and general objects of such patents; and also the residence of the patentees, as far as they could be ascertained.

I have the honour to be, with great consideration, your very obedient servant,

JAS. MONROE.

*The honourable the Speaker of the
House of Representatives of the United States.*

List of the names of persons to whom patents have been issued for new and useful arts, &c.

| Nos | Inventions. | When issued. | Names of patentees. | Residence. |
|-----|--|--------------|--|---|
| | | 1814. | | |
| | The metallic Columbian cup and saucer | June 14 | John Love | Baltimore. |
| | For shaving woods for various purposes | 14 | Benjamin Hoadley | Waterbury, Con. |
| | A holdfast for buttons while polishing | 18 | Ira Ives | New Haven, Con. |
| 115 | In machinery for horse boats | 28 | David Dunham | New York. |
| | A bridge and ferry stairs | 28 | Ditto | Ditto. |
| | In saddle trees | 28 | Chauncey Stiles, jun. | Philadelphia. |
| | In boilers | 28 | Gabriel N. Phipps | Goshen, N. Y. |
| | A portable spinning machine | 28 | Burgis Allison | Burlington, N. J. |
| 120 | A moveable kitchen | July 1 | George Youle | New York. |
| | In mould and dipped candles | 1 | James Zwisler | Ditto. |
| | A machine for shearing cloths | 1 | Beriah Swift | Washington, Dutchess cty. N. Y. |
| | In stove chimneys | 1 | Charles Varle | Fredericktown, Md. |
| | In ploughs | 1 | Jeithro Wood | Scipio, Cayuga county, N. Y. |
| 125 | In imitating brandy of domestic materials | 2 | Henry Moore | Aurora, N. Y. |
| | In dies of metals | 2 | Benjamin Mead and Giles Richards | Boston, Ms. |
| | In distilling from grain, &c. | 5 | Simeon Shurtliff | Oneida county, N. Y. |
| | In ploughs, | 5 | Jonathan Swan | Scipio, Cayuga county, N. Y. |
| | For pounding rice and other substances | 5 | Asa Nourse | St. Lukes, Beaufert district, S. C. |
| 130 | In distilling by steam | 5 | David Dewey | Sullivan, Madison county, N. Y. |
| | In carriages | 5 | Benjamin Peck | Philadelphia. |
| | In the stop cock | 5 | Daniel Sharman | Warren, Herkimer county, N. Y. |
| | A machine for weeding corn and other crops in which the hand hoe is generally used | 7 | Charles Hill | Essex county, Vir. |
| | In looms | 9 | Thomas Siddall | Bristol township, Philadelphia county, Pen. |

| | | | | |
|-----|--|----------|--|--|
| 135 | In the head block of the carriage of the saw mill | 9 | Joseph Briggs | Schoharie, N. Y. |
| | A machine for breaking and dressing flax, hemp, &c. | 12 | G. H. Rickets and John Kinney, jr. | Mount Pleasant, Morris cy. N. J. |
| | In steam engines | 23 | Charles Reynolds | East Windsor, Harford, Con. |
| | An application of various cements for the walls, ceilings, and floors of houses; for the manufacture of sulphuric acid | Aug. 15 | Andrew Scott | Newbern, N. C. |
| | In manufacturing white lead | 15 | James Welsh and Thos. Evens | Philadelphia. |
| 140 | A machine for cleaning clover seed | 16 | Henry Spickard | Faincastle, Botetourt county, Vir. |
| | For turning and slitting pinions for wooden clocks | 22 | Harris Bronson and Joel Curtis | H. B. Waterbury, Con. Joel Curtis, of Cairo, Green county, N. Y. |
| | In the time part of the common wooden clock | 22 | James Harrison | Boston. |
| | A machine for pointing wire for clocks and other purposes | 22 | Anson Sperry | Waterbury, Con. |
| | A mode of boring clock plates | 22 | Joel Curtis | Cairo, Green county, N. Y. |
| 145 | An engine for cutting and pointing the teeth of wheels and pinions for clocks | 22 | Joel Curtis and Dimon Bradley | Jo Curtis, ditto, D. Bradley, Con. |
| | A machine, or engine, for cutting wheels for wooden clocks, and other purposes | 22 | Asa Hopkins | Litchfield, Con. |
| | A machine for making pins used in clothes from the wire at one operation | 22 | Moses L. Morse | Boston. |
| | In chimneys and fire places | Sept. 22 | Adam Spohn | Comrio, Berks county, Pen. |
| | In making spoons | 22 | James Rigway | Groton, Middlesex county, Ms. |
| 150 | In manufacturing salt | 27 | Peter Sarchet, sen. | Cincinnati, Ohio. |
| | An improvement in Alkana Cob's machine for making blankets, &c. | 30 | Jacob Getzendannar | Frederick county, Md. |
| | A wheel mill for grinding tanner's bark | 30 | David Pelton | Lyme, Grafton county, N. H. |
| | In the plough | Oct. 11 | Jedediah Morgan & Jno. B. Harris | Scipio, Cayuga county, N. Y. |
| | A family loom | 11 | Charles Hathaway | Walton, Delaware county, N. Y. |
| 155 | A machine for shearing cloth | 11 | C. Henry Orth and Fred. Strohn | Steubenville, Jefferson county, Ohio. |
| | For cutting and finishing harness buckles | 12 | James Carman | Hudson, N. Y. |
| | A composition to be used instead of jostick | 12 | Fred. Eckstein & Jas. McIlhenney | Philadelphia. |

List of the names of persons to whom patents have been issued for new and useful arts, &c.

| Nos. | Inventions. | When issued. | Names of patentees. | Residence. |
|------|--|--------------|--|---|
| | | 1814. | | |
| 160 | In the loom | Oct. 12 | William Wright | Brookline, N. H. |
| | A machine for making pins and needles | 15 | William F. Hill | New York. |
| | A machine for shaving tanner's bark | 16 | William Goodwin and Jonathan Goodwin, jun. | W. Goodwin, of Lebanon, & Jona. Goodwin, jun. Mansfield, Con. |
| | In suspenders | 17 | Martin Nelson | Philadelphia. |
| | In dyeing silks | 18 | Thos. Harrison & Robt. Pierpoint | New York |
| | For winding spools and bobbins | 18 | Augustus C. Sherwood | |
| 165 | In looms | 18 | Seth Craige | Philadelphia. |
| | In cutting and heading nails | 21 | Samuel Rogers | Bridgewater, Plymouth county, Ms. |
| | In mockasins and socks, called the Tusearora socks | 21 | William Bolton | Northampton, Ms. |
| | A horn splitting and comb stamp twining machine | 21 | Saml Hills and Moses Emery, jun. | Newburyport, Ms. |
| | In cutting, griping, and heading nails | 22 | Jesse Reed | Hanover, Plymouth county, Ms. |
| 170 | In preserving animal and vegetable substances | 24 | David Cooley | New York. |
| | A machine for dressing hemp and flax | 24 | G. H. Ricketts & John Kinney, jr. | Morristown, N. J. |
| | In the stocking loom | 28 | John Bazier, jun. | Canton, Norfolk county, Ms. |
| | For knapping cloth | 28 | Daniel Merwin, jun. and Horace Killogg | Hudson, N. Y. |
| | In fanning mills | 29 | Samuel Fitch | Homer, Cortland county, N. Y. |
| 175 | In distilling | 29 | Napbtali Hart | Easton, Northampton county, Pen. |
| | In boilers for and in making salt | Nov 5 | Isaac W. Averill | Salino, Onondago county, N. Y. |
| | In spinning hemp and flax | 8 | John Francis Chappins | New York. |
| | A composition for softening cast or crude iron | 8 | Abell Scott, jr and Alonzo Selden | Winchester, Cheshire county, N.H. |
| | A crane, screw, and bale, for raising mill stones | 8 | Thomas Reynolds | Westfallowfield, Chester cty. Pen. |

| | | | | |
|-----|---|--------|---------------------------------|--|
| 180 | In the table for the use of ships | Nov. 8 | George Patrick | Wilkesbarre, Luzerne county, Pen. |
| | In the bull plough | 9 | Rosewell Tousley and Jona. Swan | |
| | A machine for sawing shingles | 14 | Salmon Fuller | Indiana territory. |
| | A heater and condenser for manufacturing spirituous liquors | 18 | Thomas Shurley | Near Madison court house, Madison county, Vir. |
| | In cultivating and improving the earth, and raising the largest crops with the greatest facility and celerity | 19 | James Hall | |
| | In temples for looms | 24 | Benjamin Rogers | Beaver Creek, Green county, Ohio. |
| 185 | In preparing flax and hemp to be spun into thread | 25 | Pinder Antrim | Philadelphia. |
| | In wheel carriages | 25 | Horatio Gates Spafford | Albany, N. Y. |
| | In looms | 25 | Salmon Bronson | Kent, Litchfield county, Con. |
| | A magnetic cylinder, called the magnetic separating machine | 25 | Samuel Browning | Franconia, Grafton county, N. H. |
| | A pivot gun carriage | 29 | Luke M. Loughton | Portsmouth, Rockingham cty. N.H. |
| 190 | In propelling boats, &c. by steam | Dec. 1 | Nicholas I. Roosevelt | New Jersey. |
| | The farmer's carriage scythe | 2 | Theophilus Eaton | Albany, N. Y. |
| | In manufacturing cotton wadding | 3 | James Beaumont | Canton, Ms. |
| | A fanning mill | 3 | Joel Soper | Windsor, Hartford county, Con. |
| | A circular scythe | 6 | John Rhodes and Adam Rhodes | Union township, N. Y. |
| 195 | A vibrating shearing machine | 7 | David Dewey | Poultney, Rutland county, Vt. |
| | A steam or stove still | 8 | John Stone, jun. | Worthington, Ms. |
| | In the linen wheel head | 8 | Brown Smith and Chas. Stewart | Truxton, Clinton county, N. Y. |
| | A horizontal water wheel for mills | 15 | William Cornwell | Onancock, Accomack county, Vir. |
| | In the wheel lathe | 16 | Benjamin Hoadley | New Haven, Con. |
| 200 | A machine for cleaning chimneys | 16 | John Bruff | Baltimore. |
| | In cutting and heading nails | 16 | Jesse Reed | Hanover, Plymouth county, Ms. |
| | In a fishing vessel and nets | 17 | James Wills, jun. | Galloway, Gloucester county, N. J. |
| | In the plough | 17 | Henry Shultz | Lancaster, Pen. |
| | An alarm bell, to be fixed to a clock or watch | 22 | Benjamin E. Freymuth | Philadelphia |
| 205 | An application of steam to flutter or paddle wheels on the sides of a boat or vessel, as a propelling power | 23 | William Thornton | Washington city, D. C. |
| | In making permanent colors for calicoes | 24 | Augustus Boulu | Philadelphia. |
| | In wooden springs for carriages | 30 | Levin Birckhead | Ditto. |



LETTER

FROM THE

SECRETARY OF STATE,

TRANSMITTING

A LIST OF THE NAMES

OF

PERSONS TO WHOM PATENTS HAVE BEEN GRANTED,

FOR THE

INVENTION OF ANY NEW OR USEFUL ART, OR MACHINE, MANUFACTURE, OR
COMPOSITION OF MATTER, OR IMPROVEMENT THEREON,

FROM THE

1st of January, 1815, to the 1st of January, 1816.

February 3d, 1816.

Read, and ordered to lie upon the table.

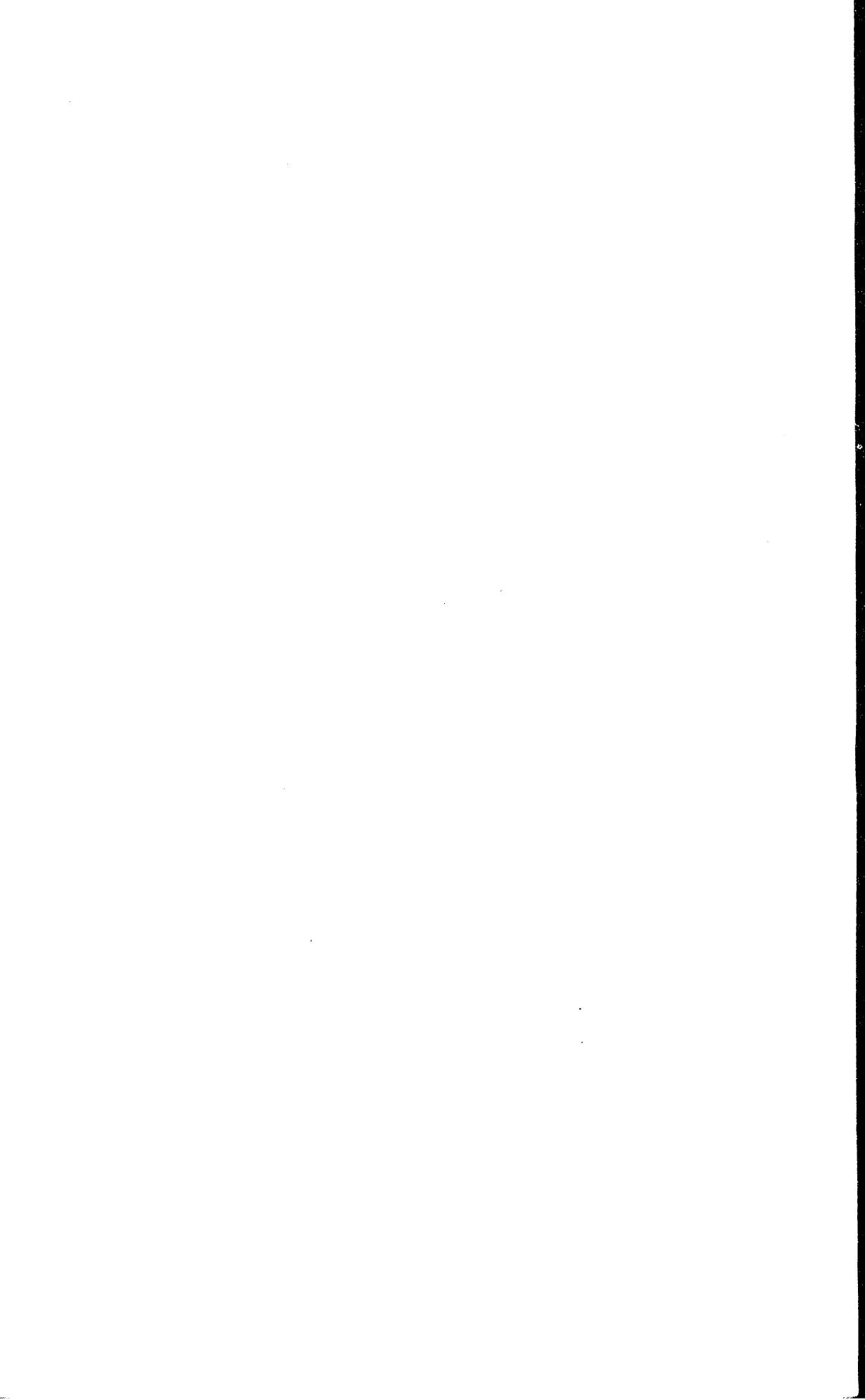
WASHINGTON:

PRINTED BY WILLIAM A. DAVIS.

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1816.





LIST of Names of persons to whom patents have been issued for new and useful arts, &c.

| Nos. | Inventions. | When issued. | Names of patentees. | Residence. |
|------|---|--------------|---------------------|-------------------------------------|
| | | 1815. | | |
| | In the lathe for turning and polishing soft metal and composition buttons. | January 4. | Lauren Meriam. | New-Haven, Connecticut. |
| | An apparatus for, and mode of, packing ground bark and other articles. | 5. | Joseph Lyon. | Philadelphia. |
| | In the boiler for generating steam. | 9. | Royal Yeamans. | Baltimore. |
| | A warp suspender loom. | 17. | William Squire. | New-York. |
| | In generating steam for distilling. | 23. | Enos Brown. | Oneida County, New-York. |
| | A boiler and furnace united. | 23. | Philo M. Hackley. | Herkimer, New-York. |
| | In hanging carriages, and also in placing steps by the sides. | 24. | John I. Wells. | Hartford, Connecticut. |
| | A machine for cleaning wheat and other grain and seeds. | 24. | William Davis. | Fairfield, Connecticut. |
| | In saw mills. | 24. | Elisha Morgan. | Clinton County, New-York. |
| | A machine for cleaning clover seed. &c. | 25. | Samuel Arnold. | Bottetort, Virginia. |
| | Mode of making brown paint. | 25. | Thomas Miller, jun. | Madison County, New-York. |
| | In the tide mill. | 28. | Francis Rittal. | Lincoln, Massachusetts. |
| | In stills. | 31. | Robert Gillespie. | Seneca, New-York. |
| | A machine for cutting fur from peltry. | February 2. | William Jackson. | Burlington, New-Jersey. |
| | for pulling fur from peltry. | 2. | do. | do. |
| | Cast iron sleigh shoes on wrought iron rods or tongues. | 7. | Sylvanus Tousley. | Manlius, Onondaga County, New-York. |
| | In making and cutting the screw or thread of wood screws and other screws by means of circular cutters. | 9. | Joshua Witherle. | Boston. |

LIST, &c.....continued.

| Nos. | Inventions. | When issued. | Names of patentees. | Residence. |
|------|--|--------------|--|----------------------------------|
| | | 1815. | | |
| | In manufacturing tin plates. | February 11. | Aaron Burk. | New-York. |
| | In the still boiler and worm. | 13. | Thomas Weston. | Peacham, Vermont. |
| | A machine for shelling corn, threshing wheat, &c | 16. | Zina Phinney. | Cairo, Greene county, New-York. |
| | A loom for weaving by water, steam, or other power. | 20. | Samuel Blydenburgh and Hezekiah Healy. | Worcester, Massachusetts. |
| | In saw mills. | 21. | Henry Quin. | Huntington, New-Jersey. |
| | For granulating gunpowder. | 21. | Joseph Worsley. | Be ne, Albany county, New-York. |
| | In looms. | 23. | F. C. Lovell and P. T. Jackson. | Boston. |
| | The family spinner. | 24. | John Brown. | Providence, Rhode-Island. |
| | In guns and rifles. | 25. | Frederick Oswan. | Harper's Ferry, Virginia. |
| | In weaving, spooling, and winding. | 28. | Ebenezer Stowell. | Middlebury, Addison county, Ver. |
| | In the stop cock. | March 1. | John Morris. | New-Haven, Connecticut. |
| | In the cider mill and press. | 1. | Ozias Pettibone. | Hartford, Connecticut. |
| | In tables. | 2. | Sullivan Snow. | Saco, District of Maine. |
| | In furnaces and fire-places for heating, boiling, and evaporating water and other liquids. | 7. | Peter Tomlinson. | Derby, New-Haven. Connecticut. |
| | A perspective protractor. | 14. | Bass Otis. | Philadelphia. |
| | A double air and water pump. | 27. | James Smallman. | do. |
| | In the cradle. | 27. | Peter Cooper. | Hempstead, Queen county, N. Y. |
| | A warping machine. | 27. | Thomas Siddall. | Germantown. Pennsylvania. |
| | In the boiler, or steam generator. | 30. | Lemuel M. Richards. | Cazenova, Madison county, N. Y. |
| | A machine for cutting and heading ali kinds of metal screws. | 30. | John Mason. | |

LIST, &c.....continued.

| Nos. | Inventions. | When issued. | Names of patentees. | Residence. |
|------|--|--------------|--------------------------------|-------------------------------------|
| | | 1815. | | |
| | The application of hat trimmings in making mockasons. | April 1. | James Jackson. | Burlington, New-Jersey. |
| | For cutting horn or tortoise shell for combs. | 1. | Simeon Allen. | |
| | Machinery by which constant, uniform, and steady motion is produced from the application of varying and irregular power. | 1. | Joseph Kello. | New-York. |
| | A mode of preserving timber from being injured by worms under water. | 1. | George Lovett. | do. |
| | A floating battery, or steam ship. | 4. | George Stiles. | Baltimore. |
| | A machine for knapping cloth. | 4. | T. S. Barnum and E. Smith. | Litchfield, Connecticut. |
| | In the old pin lathe, for turning wire-eyed buttons | 12. | William Lawrence. | Meriden, New-Haven, Connecticut. |
| | Improvement in the old single-jointed pewter button mould, for casting wire-eyed buttons. | | | do. |
| | In preparing colours with lime. | 12. | John B. Collins. | Broadalbin, Montgomery, N. Y. |
| | In stoves. | 12. | Jonathan Nichols, jun. | Union Village, Washington, do. |
| | In water wheels. | 26. | William T. James. | White's Town, Oneida, do. |
| | Metallic heddles or harnesses for weaving. | 26. | George Peck. | Ashford, Windham, Connecticut. |
| | In stoves. | 26. | Walter Janes and David Bolles. | New-York. |
| | In the steam engine. | 26. | Charles Postley. | White's Town, Oneida, New-York. |
| | In manufacturing button moulds of wood. | 26. | Borden Wilbor. | Southington, Hartford, Connecticut. |
| | For gathering clover seed. | 26. | Anson Mathews. | Fredericksburgh, Virginia. |
| | In printing on the back or reverse face of bank notes to prevent counterfeits. | 28. | John Smith. | |
| | | 28. | John Kneass. | |

LIST, &c.....continued.

| Inventions. | When issued. | Names of patentees. | Residence, |
|--|--------------|--------------------------------|-------------------------------------|
| | 1815. | | |
| Shears for shearing cloth. | April 28. | William Stillman, | Westerly, Rhode-Island. |
| In the body of stages and other carriages. | 29. | Joseph Smith, | Lancaster, Pennsylvania. |
| In machinery for cutting files. | May 1. | John Hatch, | Dedham, Norfolk, Massachusetts. |
| A threshing machine. | 11. | Thomas Warner, | Genesee, New-York, |
| In stoves. | 11. | Aaron Lane. | |
| An iron back log for warming rooms. | 15. | Charles Harris, | Boston. |
| Washing machine. | 15. | Joshua Lane, | Homer, Courtland, N. Y. |
| In churns. | 15. | do. | do. |
| A bark mill. | 16. | Luther Gale, | Lenox, Berkshire, Massachusetts. |
| A fulling mill. | 16. | Asa Danielson, | Otsego, N. Y. |
| In using water on wheels successively. | 16. | do. | do. |
| In the augur. | 16. | Joseph Brownell, | do. |
| In mechanics, being the application of the hydrostatic paradox to move machinery. | 19. | Cadwallader D. Colden, | New-York. |
| An open backed spring box boot. | 23. | William Atchison, | do. |
| A pressing machine. | 23. | Timothy Puffer, | Paris, Oneida, N. Y. |
| In making whiskey. | 23. | Silas Smith, | Genesee, N. Y. |
| In looms. | 24. | Joseph Jelleffs, | Butternuts, Otsego, N. Y. |
| In the spindle for spinning, &c. | 27. | Asa Jillson, | Dorchester, Norfolk, Massachusetts. |
| For raising the knap on cloth. | 29. | Wm. Duncan and John Davidson. | Acworth, Chester, New-Hampshire. |
| In the loom. | 31. | Charles Cooper and Geo. Shalk, | Lebanon, Pennsylvania. |
| Means of applying the principles of the hydrostatic paradox to the principles which govern the pressure of fluids, &c. | June 2. | Cadwallader D. Colden, | New-York. |

LIST, &c.....continued.

| Inventions. | When issued. | Names of patentees. | Residence. |
|--|--------------|--|-----------------------------------|
| | 1815 | | |
| Improvement in propelling boats. | June 8. | Gabriel Manny, | Montgomery, Amsterdam, N. Y. |
| In brewing spruce beer. | 13. | William Bezeau, | Philadelphia. |
| A horizontal water wheel. | 19. | James Wood, | Mountpleasant, Westchester, N. Y. |
| A nail machine. | 19. | Nathan Elgar, | York, Pennsylvania. |
| A sea pedrometer. | 20. | Bennet Lies, | New-York. |
| A rocking or lever boat. | 20. | do. | do. |
| A conflagration ladder. | 20. | do. | do. |
| A nail machine. | 21. | John Elgar, | York, Pennsylvania, |
| A spring pen ruler. | 21. | Thos. M. Pomroy & Lemuel Hedge. | Windsor, county of Windsor, Vt. |
| A machine for cutting tenons in carriage wheels. | 24. | Jonathan Reynolds, | Dutchess, N. Y. |
| A wind and water wheel. | 24. | do. | do. |
| A machine for cutting brads. | 27. | Seth Boyden, jun. | Boston. |
| In staining and printing paper, cloth, &c. | 28. | Benjamin Mesteyer, | New-York. |
| In the application of water power for working mills, &c. | | | |
| In etching the end pieces of bank notes, | July 28. | Josiah W. Newberry, | Luzerne, Pennsylvania. |
| In graphic plates for bank notes. | 1. | Henry S. Tanner, | Philadelphia. |
| A steam engine. | 1. | John Meere, | do. |
| In applying the water to water wheels. | 14. | Samuel Morey, | Boston. |
| A bushing screen for cleaning grain. | 17. | Asa Jillson, | Roxbury, near Boston, Mass. |
| Carding, drawing, and roping cotton. | 17. | Ephraim Tisdall, | Windham, Connecticut. |
| For spinning cotton. | 17. | Wm. Tiffany and Phineas Allen, | Otsego, N. Y. |
| | 17. | Luther Bissel, Luke C. Hinman, and Spebren Willson, | do. |

LIST, &c.....continued.

| Nos. | Inventions. | Where issued. | Names of patentees. | Residence. |
|------|---|---------------|-------------------------------|-----------------------------|
| | | 1815. | | |
| | In corsets. | July 21. | Mary Brush, | New-York. |
| | A vertical horse wheel. | 21. | John A. Morton, | Baltimore. |
| | In making charcoal for manufacturing gunpowder. | 25. | Fielding Parker, | Prince George's, Maryland. |
| | For cutting and heading nails. | 25. | Nathan Elgar, | York-Town, Pennsylvania. |
| | For removing cataract by tubes and canular points. | 27. | Francis B. Shaw, | Philadelphia. |
| | For threshing a cleaning grain. | 29. | Abel Densmore, | Leroy, Gennessee, New-York. |
| | A toothed roller for loosing the earth preparatory to planting or sowing. | 29. | do. | do. |
| | A trip hammer. | 31. | Urban Palmer, | Spencer, Tioga, N. Y. |
| | In scale beams and balances. | 31. | Allen Pollock, | Boston. |
| | A machine for knitting stocking and stocking-nette. | | Aaron Porter, James Mead, and | |
| | In making mould candles. | 31. | James Stedwall, | Queensbury, Warren, N. Y. |
| | In ship building. | August 1. | David M. Randolph, | Richmond, Virginia. |
| | A doffer cylinder and macline for roping and spinning wool. | 2. | do. | do. |
| | For smoothing and rounding the edges of metal buttons. | 3. | Samuel Learned, | Watertown, Middlesex, Mass. |
| | In the construction of an eye for metal buttons cast in moulds. | 7. | Ira Ives, | Bristol, Connecticut, |
| | In setting the eyes of metal buttons in the mould. | 7. | do. | do. |
| | In steam engines. | 7. | do. | do. |
| | | 8. | Junia Curtis, | Baltimore. |

LIST, &c.....continued.

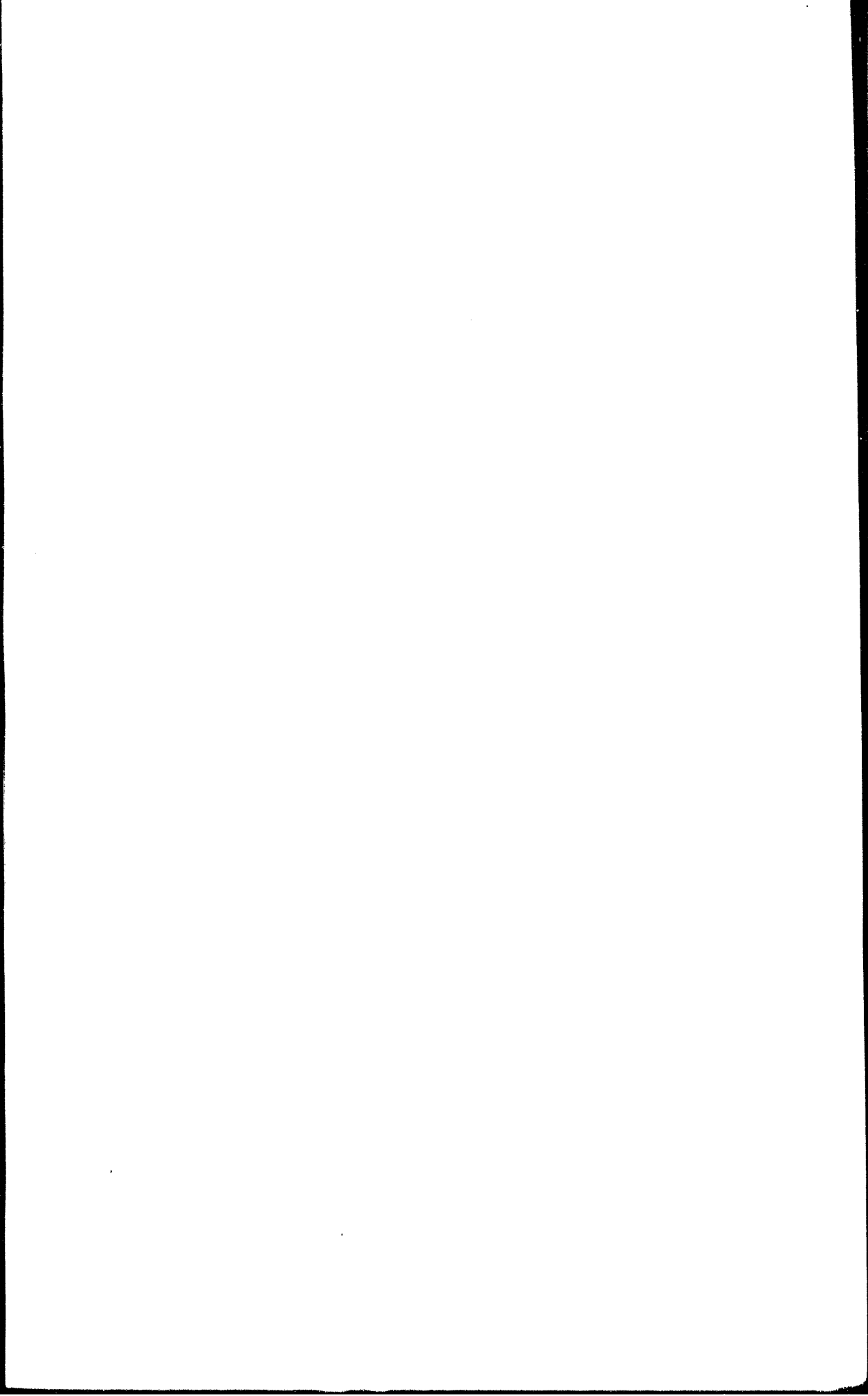
| Nos. | Inventions. | When issued. | Names of patentees. | Residence. |
|------|--|--|---|--|
| | <p>A machine for bowing wool or fur for hatters. Improvement on Joseph Jelleff's circular or revolving interest table. In the mode of making machine and hand cards for cotton. A mechanical shoemaker's bench. An improvement in furnaces for making glass. A nail machine.</p> <p>In the construction of fire places called the defiance. A spinning machine called the linum spinner. In family mineral fountains. In manufacturing hats. A double air pump for steam engines. In steam engines. An apparatus for cooling mash for distillation. A machine for heading nails. In fall tops of gigs, phaetons, or other carriages. A machine for making wire-necked metal buttons. In finishing wired neck metal buttons. For facilitating the making of carriage wheels. A boiling and steam stove.</p> | <p>1815. August 10. 12. 12. 12. 16. 18. 18. 18. 18. 26. 29. Sept. 1. 2. 6. 8. 12. 12. 12. 12.</p> | <p>Edward C. Griffing, Gilbert D. Lowe, William Barker, Joel Soper, Jacob Stanger and Daniel H. Miller, Erastus Bartholomew & William Church, do. Sylvanus Baldwin, Garrett Ellicott Pendergast, Jehiel Bryan and John Bryan, James Smallman, Mathew Cluff, Thomas Whitemell, Henry Sedam, John Eberts, Heman Mathews, do. Bracket L. Greenough, Erastus Warner.</p> | <p>Lyme, New-London, Connecticut. Hampfield, Lancaster, Penn. Smithfield, Rhode-Island. Windsor, Hartford, Connecticut. Philadelphia. Boston. do. do. Philadelphia. Saratoga, New-York. Philadelphia. Norfolk, Virginia. Scotland Neck, Halifax, N. C. Troy, Renssellaer, N. Y. Philadelphia. Southington, Hartford, Connecticut. do. Lebanon, Grafton, New-Hampshire.</p> |

LIST, &c.....continued

| Nos. | Inventions. | When issued | Names of patentees. | Residence. | |
|------|--|-------------|---|---------------------------------|--------------|
| | | 1815. | | | |
| | A composition for preparing cotton and wool machine cards. | Sept. 14. | John M. Gates. | Warren, Lincoln, Massachusetts. | |
| | In carding machines by gleaning savers. | 15. | James Hugus. | Greenbush, Westmoreland, Penn' | |
| | A method of drawing and curing cancers. | 20. | Jacob Ware. | Philadelphia. | |
| | A loxodromick pulley, or measuring power, to ascertain a ship's way, and for other purposes. | 21. | John S. Donlery. | New-York. | |
| | A bui-cuit making machine. | 21. | William Liddle. | New-Orleans. | |
| | A horizontal water wheel. | 25. | Richard A. Donaldson & Joseph L. Wheeler. | Newark, N. J. | |
| | For giving light by a flame produced from the vapour on gas of stone coal. | | 28. | Lewis Enters & William Zigler. | George Town. |
| | Spinning wool, called the family spinner. | October 6. | William Ayres & James Cochran. | Durnham, Windsor, Vermont. | |
| | A screw wheel for propelling boats. | 11. | James Widdifield. | Philadelphia. | |
| | A pendulum machine for mechanical operations. | 13. | Charles Louis Allen. | Newark, N. J. | |
| | A mould for making stone posts for fences. | 14. | Edward Boston. | Glocester, N. J. | |
| | In setting and using the teeth of saws. | 14. | John Russell. | Brooke, Virginia. | |
| | A beef cutter. | 21. | Benjamin Meeker. | Brooklyn, N. Y. | |
| | In kilns for manufacturing earthen ware. | 21. | James Hassell. | Elizabeth Town, N. J. | |
| | A nail machine. | 21. | Charles Philips, jun. | Sackett's Harbour, N. Y. | |
| | A nail machine. | 21. | Wm. Waring & Charles Philips, jun. | Jefferson, N. Y. | |
| | In Saddles. | 24. | John Bryan. | Lexington, Kentucky. | |
| | A machine for knapping, teazling, shearing, or bushing cloth. | 28. | John Taylor. | Waltham, Middlesex, Mass: | |

LIST, &c.....continued.

| Nos. | Inventions. | When issued. | Names of patentees. | Residence. |
|------|---|----------------------|-----------------------------------|------------------------|
| | An elevating saw mill. | 1815. October 30. | Samuel Brewster. | Middlesex, N. J. |
| | In his cylindrical nail cutter, patented the 16th of January, 1815. | | | |
| | Cast iron weights, called adjustable weights. | November 1. | Jacob Perkins. | Newburyport, Mass. |
| | An economical stove. | 6. | Alven Babcock. | Boston. |
| | A family cooking machine. | 9. | John Graham. | New-York. |
| | A mode of obtaining ardent spirits from lime. | 14. | John Seger. | do. |
| | In lotteries. | 22. | James Hall. | |
| | In distilling turpentine, tar, &c. | December 4. | Joseph Vannini. | Washington City, C. D. |
| | In manufacturing mineral waters. | 4. | William Adam Rapp. | New-York. |
| | In cutting and forming boots and shoes. | 5. | Benjamin Marshall. | Albany, N. Y. |
| | In the foot stove. | 15. | Joshua Hall. | Frederick Town, Md. |
| | A cylindrical vibrating nail brad cutting machine. | 23. | Allen Greely. | Oxford, Mass. |
| | A machine for ginning cotton. | 27. | Ebenezer Aver; Lester. | Baltimore. |
| | A machine for relieving the toothache by steam. | 27. | Isaiah Jennings. | New-York. |
| | In steel yards. | 27. | Lemuel Merritt & Samuel C. Rogers | do. |
| | A wind saw mill. | 27. | Samuel Hills. | Lincoln, Mass. |
| | In the stove. | 27. | Jesse Springer. | Cape May, N. J. |
| | | 27. | Comfort Barney. | Warren, Bristol, R. I. |



LETTER

FROM THE

SECRETARY OF STATE,

TRANSMITTING

A LIST OF THE NAMES

OF

PERSONS TO WHOM PATENTS HAVE BEEN ISSUED,

FOR

THE INVENTION OF ANY NEW OR USEFUL ART, OR MACHINE, MANUFACTURE, OR
COMPOSITION OF MATTER, OR ANY IMPROVEMENT THEREON,

FROM

January 1st, 1816, to January 1st, 1817.

January 6, 1817.

Read, and ordered to lie upon the Table.

WASHINGTON:

PRINTED BY WILLIAM A. DAVIS.

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1817.

DEPARTMENT OF STATE,

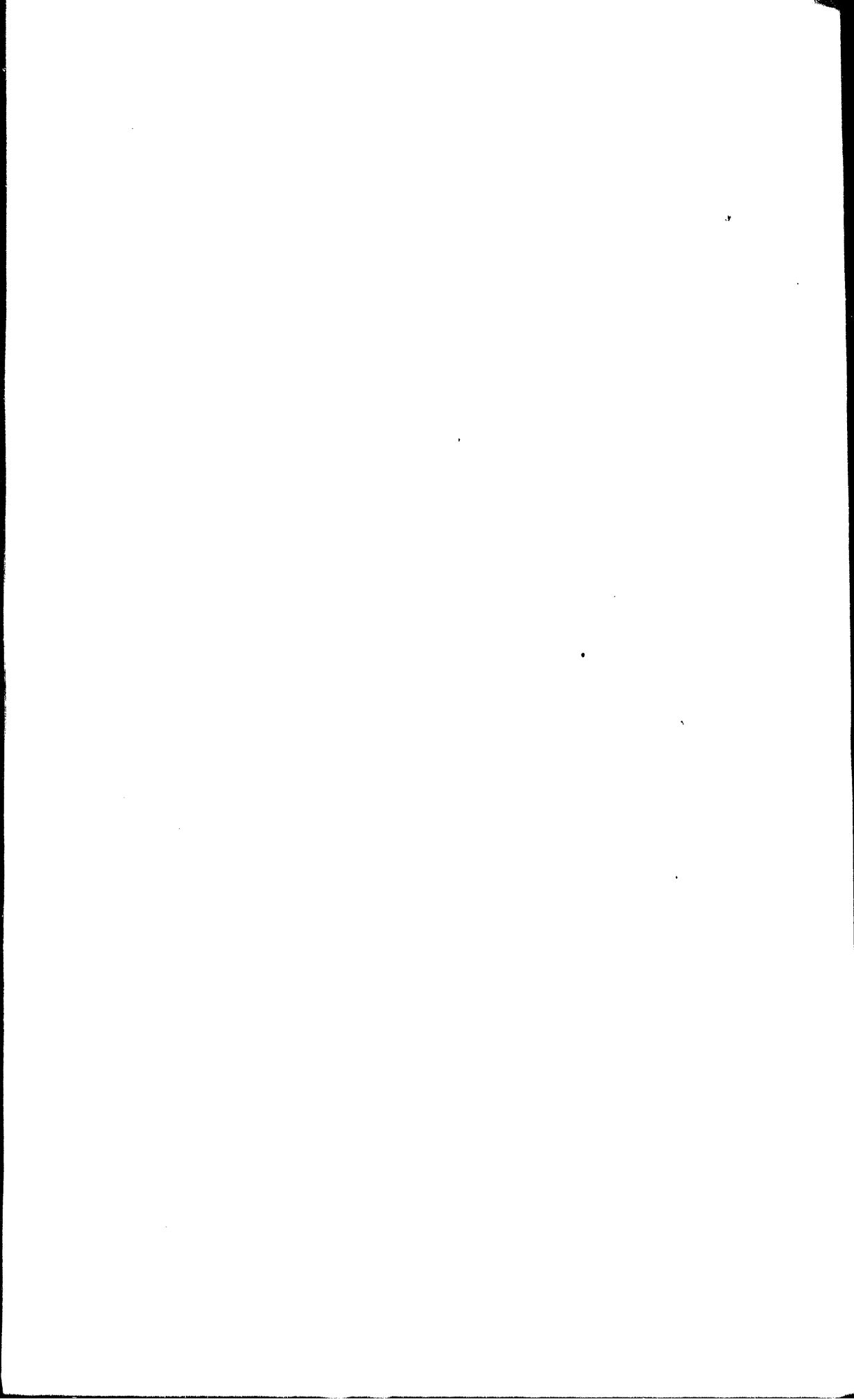
January 1, 1817.

SIR,

In pursuance of the resolution of the House of Representatives of the United States, dated the 13th of January, 1812, I have the honour of transmitting a list of the names of persons who have invented any new or useful art or machine, manufacture, or composition of matter, or any improvement thereon, and to whom patents have been issued for the same, from this office, from the 31st day of December, 1815, to the 1st day of January, 1817, with the dates, and general objects of such patents: and also the residence of the patentees, as far as they could be ascertained.

JAS. MONROE.

*To the honourable the Speaker of the
House of Representatives of the United States.*



List of the Names of Persons to whom Patents have been issued during the year 1816.

| Inventions. | When issued. | Names of Patentees. | Residence. |
|---|------------------|-------------------------------------|-----------------------|
| Improvement in the mill for grinding, | January 4, 1816, | John Ormsby and Thomas Cohoon, | Washington City. |
| For preventing the canker worm in trees, | 4, | Jonas Kendall, | Leominster, Mass. |
| In printing books, | 4, | Samuel Randall, | Warren, R. I. |
| In saw mills, | 5, | Thomas Cohoon, | Washington City. |
| Pneumatic machine. | 7, | David Lloyd, | Cambria county, Penn. |
| In stills, | 15, | Joseph White, | Baltimore. |
| In the churn, | 15, | Alvan Cornell and Hiram K. Cornell, | Cambridge, N. Y. |
| Making spirits from corn and corn-cobs, | 17, | Joseph Demund and Stinson Demund. | New-Jersey. |
| For carding and raising a nap on woollen cloths, | 24, | Joseph A. Christie, | Elizabethtown, N. J. |
| Maintaining power, applied on board ship, &c. | 24, | David Pearson, | Newbury, Mass. |
| Improvement on Townsend's cheese press, | 25, | Joseph Biglow, | Mountpelier, Vermont. |
| In the boiler of steam engines, &c. | 26, | William Schultz, | New-York. |
| In the cure of syphilis, | 26, | Joseph Moser, | Philadelphia. |
| Mode of applying spare heat of a blast furnace to steam engines, &c. | 31, | Edward Burrall, | Canaan, Conn. |
| Washing machine. | February 1, | Christopher Seebold, | New-Berlin, Penn. |
| Manufacturing salt, | 1, | William J. Lewis. | |
| Columbian sock, | 8, | Joseph Mason, | Cunnington, Mass. |
| In boats to be worked, power of quadrupeds, | 8, | David Porter. | Washington. |
| An apparatus and process for filtering water, | 10, | Joseph du Commun, | New-York. |
| The application of steam in distillation, &c. | 16, | Hezekiah Kelly, | Brooklyn. N. Y. |

| Inventions. | When issued. | Names of Patentees. | Residence. |
|--|-------------------|--|-----------------------|
| Saw mill for dic-wood, | February 16, 1816 | John Elder, | Hamilton, Mass. |
| Mill for hulling, grinding, sifting grain, &c. | 17, | Thomas Ellicot, | Pennsylvania. |
| Perpetual weavers tenters or temples, | 23, | Daniel A. Smith, | Townsend, Mass. |
| Frame bridges, | 23, | George Tabb, | Martinsburg, Vir. |
| In making furred boots and shoes. &c. | 24, | Samuel Eells, | Connecticut. |
| Machine for cutting and heading nails, | 24, | Henry Hayes, | Philadelphia. |
| Shaving veneers of mahogany, | 28, | Silvanus Bonnel, | New-Jersey. |
| Casting moveable types, | 28, | George Webster, | New-York. |
| Fan for cleansing wheat, | March 1, | William Adams, | Virginia. |
| Composition for making wire-eyed buttons, | 1, | Samuel H. Woodruff and Anson Matthews, | Connecticut. |
| Corn dressing plough, | 4, | Elisha Bean, | Massachusetts. |
| Making glass, | 4, | William Price, | Pennsylvania. |
| Overshot water-wheel, | 5, | John Green, sen. | Virginia. |
| Block tin stop cock, | 7, | John Morris, | New-Haven, Conn. |
| Spool frame, | 6, | Elihu Robinson, | Augusta, Mass. |
| Franklin stove, | 9, | James Willson, | Poughkeepsie, N. Y. |
| Winding yarn from bobbins or spools, | 9, | Paul Moody, | Boston. |
| Wheat fan, | 11, | Samuel Weaver, | Frederick county, Md. |
| The shoemaker, | 14, | Gideon Drake, | Windsor, Conn. |
| Improvement in the steam engine, | 14, | John Stevens, | Hoboken, N. J. |
| Cutting and heading nails, | 14, | Frederick A. Russel, | Georgetown, D. C. |
| Improvement in mills, | 15, | Samuel Brewster, | Middlesex, N. J. |
| In using sliders instead of valves in working steam engines, | 16, | John Stevens, | Hoboken, N. J. |
| Reclining valetudinary cot. chair, &c. | 18, | John Mead, | Albany, N. Y. |
| Machine for shelling Indian corn, | 19, | Jacob Fuller, | Rockland, Vir. |

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| Carpenter's sliding dovetail joint, | 26, | George B. Raymond. | |
| In the construction of chimneys, fire-places, &c. | 27, | Ebenezer Rand, | Hudson, N. Y. |
| In manufacturing combs, | 28, | Ely Sperry, | New-Haven, Conn. |
| Swinging false keel, | April 2, | Philander Hall. | |
| In tanning. | 3, | William Edwards, | Northampton, Mass. |
| Apparatus for boiling and making salt, | 4, | Alexander Black, | Barnstable, Mass. |
| Threshing and fanning machine, | 8, | Elihu Hotchkiss, | Brattleborough, Windham county, Vermont. |
| Saw mill for die-woods, | 11, | John Elder. | |
| Spinning-wheel, | 11, | Elias B. Sandford, | Newtown, Conn. |
| In propelling boats, &c. by steam, | 18, | William Tatham, | Washington City. |
| Distilling and rectifying, &c. | 22, | John Whips, | Jefferson county, Ken. |
| Turning buttons, | 23, | Daniel French, | Bridgeport, Penn. |
| Making carburated hydrogen gas, | 23, | Benjamin Kugler, | Philadelphia. |
| The reconductor, | 23, | John Sargeant, | Vernon, N. Y. |
| Spring bolt, for windows, doors, &c. | 23, | Shadrach Trumball, | Suffield, Conn. |
| Shearing cloth, | 25, | Horace Osborn and William L. Fraser. | |
| Purifying and refining sugar, | 26, | Bernard Edme Verjon, | Washington City. |
| Granulating gunpowder, | 26, | Charles Dalmas, | Wilmington, Del. |
| Manufacturing pot and pearl ash, | 26, | Jacob Latting, | New-York. |
| Cleansing grain, &c. | 27, | Israel Honeywells, | Hillsdale, N. Y. |
| Roving machine for cotton, | 29, | William Bryant, | Davidson county, Tenn. |
| Improvement in the churn, | 30, | John Erving. | Boston. |
| Improvement on Cutter's fur-cutting machine, | 30, | David Beard, | Guildford, N. C. |
| Stamping engravings on horn and turtle shell, | 30, | Joseph H. Derby, | Worcester, Mass. |
| Composition of glass, | 30, | William Price, | Pittsburgh, Penn. |
| Boxes and axeltrees for carts, wagons, &c. | May 2, | William Batchelor, | New-York. |
| Cooking and other stoves, | 3, | Christopher Hoxie, | Hudson, N. Y. |
| Danger 'scape, to disengage horses from carriages. | 3, | William Start, | Greensborough, Md. |
| Plaiting Ruffles, | 4, | Sylvester W. Talbot, | Dedham, Norfolk, |
| Wheel head, | 6, | David Lee, | Guildford, Conn. |

| Inventions. | When issued. | Names of Patentees. | Residence. |
|---|--------------|-------------------------------------|-----------------------------|
| Mark of opacity in paper, | May 11, | John Reich and Edward Star, | Philadelphia. |
| Steam engine, | 12, | Enoch Burt, | Elizabethtown, N. J. |
| For extracting spirits of turpentine, &c. by steam. | 17, | Hezekiah Kelly, | Brooklyn, N. Y. |
| Machine for washing in breweries, &c. | 17, | Leonard Beatty. | |
| Spinning wool and cotton, | 18, | Peter Paddleford, | Lyman N. H. |
| Tub-winnowing mill, | 18, | Moses Elliot, | Concord, N. H. |
| Heating pulp in vats for paper, | 22, | Joseph Robeson, | Montgomery, Penn. |
| Sawing shingles, | 22, | Oliver Merritt, | Berkhemsted, Conn. |
| Spring saddle, | 22, | Charles Klasson, | Baltimore. |
| Wheel for dressing flax or hemp, | 22, | Caleb Benton and William A. Benton, | Amenia, N. Y. |
| Shearing cloth, | 24, | John D. Smith | Fredericktown, Md. |
| Manufacturing cemented hats, | 24, | Nathan Weston, | Reading, Mass. |
| Cutting comb-teeth, | 28, | Maulby John Littleboy, | Philadelphia. |
| Water loom. | 28, | Philo Clinton Curtis, | Paris, N. Y. |
| Horizontal water-wheel. | 28, | Silas Dalie, | Cumberland, Mass. |
| Blocking hats, | 28, | David Beard, | Guildford, N. C. |
| Fanning mill for cleaning wheat, &c. | 30, | Benjamin D. Beecher, | New-Haven, Conn. |
| Stove, | 30, | Eliakim Cory, | Milton, N. Y. |
| Improvement in weaving, | June 7, | Ira Draper, | Weston, Mass. |
| Moulding and casting the sheaves of pulley blocks. | 12, | Henry Worrall, | New-York. |
| Thirty hour brass and wooden clocks, | 12, | Eli Terry, | Litchfield county, Conn. |
| Distilling apparatus, | 13, | Naman Goodsell, | Paris, Oneida county, N. Y. |
| Manufacturing and polishing wooden button moulds, | 13, | John Norton, | Southington, Conn. |
| Propelling vessels in a calm, | 14, | Stephen Rudd, | New-York. |
| Eagle chair, | 14, | William I. Weaver, | New-York |

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| Generating steam, | 14, | Joseph Hawkins, | New-York. |
| Distillation, | 15, | William Richardson, | Kingston, N. Y. |
| Improvement in stills, | 17, | Montgomery Stevens, | New-York. |
| The alternate lift, for bricks and mortar, | 20, | Benjamin Dearborn, | Boston. |
| Breaking flax and hemp, | 20, | Thomas Pullen, | Lexington, Ken. |
| Improvement in the pump, | 20, | Edward B. Scammon, | Scipio, N. Y. |
| Making bricks, | 24, | William Mitchell, | Henrico, Vir. |
| Steam engine, | 25, | Enoch Burt, | Elizabethtown, N. J. |
| Ointment for various uses, | 26, | William Judkins, | Smithfield, Ohio. |
| Cutting and heading nails, | 26, | Mark Reeve, | Philadelphia. |
| Improvement in the nail machine, | 27, | Mark Reeve, | Philadelphia. |
| Manufacturing charcoal, | 28, | Andrew Kurtz, | Philadelphia. |
| Spooling, winding, and bobbing machine, | 29, | Calvin Flag and Obed Wright, | Hudson, N. Y. |
| Improvement in the Franklin stove, | July 3, | John F. Van Sicler, | Poughkeepsie, N. Y. |
| Manufacturing weavers' reeds, | 3, | Jeptha A. Wilkinson, | Otsego, N. Y. |
| Distilling, | 8, | Ezra Talmage, | Lancaster, Ken. |
| Propelling boats by power of weights, | 8, | Moses Martin, | Woodbridge, N. J. |
| Improvement in the piano forte, | 8, | George Charters, | New-York. |
| Cylindrical steam press, | 12, | Ephraim Barker, John Hall, and Aaron Hall, | Boston. |
| Improvement in the Wellard patent time piece, | 12, | Lemuel Curtis, | Concord, Mass. |
| Preparing flax and hemp without rotting by water | 12, | William Hickingbottom, | New-York. |
| Machine for cutting, twining, &c. shell and horn | | | |
| combs, | 15, | Samuel Parmele, | Saybrook, Conn. |
| The use of types, in guarding banks notes against | | | |
| forgery, | 15, | Abel Brewster, | Hartford, Conn. |
| Apparatus for preparing quercitron bark, | 15, | James Andrews, | Philadelphia. |
| Apparatus for moulding bushes or coggs for | | | |
| sheaves, &c. | 15, | Thomas P. Walworth, | Patterson, N. J. |
| Hatter's plank kettle, | 15, | Schuyler Fisher, | Herkimer county, N. Y. |
| Distilling apparatus, | 16, | Amos Blood, | Boston. |
| Screw auger, called the single twist auger, | 17, | Ezra L'Hommedieu, | Norwich, Conn. |

| Inventions. | When issued. | Names of Patentees. | Residence. |
|---|--------------|------------------------------------|----------------------|
| Improvement in the windmill, | July 18, | James Barron, | Elizabeth City, Vir. |
| Propelling boats by horses, mules, &c. | 18, | Rodman Bowne, | New-York. |
| Machine for beating, bruising, cutting, &c. substances. | 18, | Adam Britz, | Philadelphia. |
| Improvement in the spinning machine, | 18, | Zaccheus Wheeler, | Richmond, N. H. |
| Construction of Pontoons, | 19, | Henry Carberry and William Tatham, | Washington City. |
| Fulverator for reducing ligneous substances to powder, | 23, | Nathan Jones, | Boston. |
| Improvement in the loom, | 23, | Robert Jackson, | Attleborough, Penn. |
| Upright power loom, | 25, | Silas Shepard and John Thorp, | Taunton, Mass. |
| Evaporator and steam engine, | 26, | David Heath, | Philadelphia. |
| Improvement in the churn, | 29, | Artemas Bills, | Baltimore. |
| Cure of cancers, | 30, | James Andrus, | Hillsborough, N. H. |
| Machine for making tacks, | August 1, | Jesse Reed, | Hanover, Mass. |
| Machine for drawing a plough, | 6, | Luke Johnson, | Leominster, Mass. |
| Improvement in making hats, | 20, | William Goodrich, | Philadelphia. |
| Mode of greasing the axletrees of carriages, | 22, | Frederick Biemler, | New-York. |
| Improvement in the steam engine, | 22, | John Hilton, | Somerset, Maine. |
| Improvement in the churn, | 22, | Benjamin Webb, | Tolland, Conn. |
| Stocking loom, | 22, | Aaron Porter, | Queensbury, N. Y. |
| Imprinting and forming coloured figures on hard substances, &c. | 22, | John Edwards, | New-York. |
| Machine for spinning cotton and wool, | 23, | Jacob Sprinkel, | Wythe, Vir. |
| Machine for ruling paper, | 24, | Lewis Henry, | Bellows Falls, Vt. |
| Improvement in the loom, | 30, | Samuel Chapman, | Otsego, N. Y. |
| Improvement in stoves, | 31, | Thomas Power and Isaac Power, | Hudson, N. Y. |
| Cutting and heading nails, | Sept. 7, | Timothy Newhall, jun. | Essex county, Mass. |

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| Improvement in stoves, | 7, | Henry F. Liebenau, | New-York. |
| Floating wheel, | 9, | John Owings, | Baltimore. |
| Air conducting bricks for stoves, | 12, | Ephraim Treadwell, | Essex county, Mass. |
| Mode of building boats and sea vessels, | 12, | William Annesley, | New-York. |
| Improvement in suspenders, | 14, | Joseph Barnett, | Philadelphia. |
| Making rims for thimbles on the same body, | 20, | Stephen Chandler, | New-York. |
| Rolling bar-iron edgewise, | 20, | George Ellicott, | Baltimore. |
| Manufacturing elastic boots and shoes, | 24, | Pierre Azam, | Baltimore. |
| Improvement in tanning, | 26, | Bradford A. Potter, | Manlius, N. Y. |
| Floating valve wheel, | 26, | Israel J. Richardson, | Geneva, N. Y. |
| Making cider and vinegar from the offals of a distillery, | 26, | William Richardson, | Kingston, N. Y. |
| Double stave and parallel jointer, | Oct. 1, | Joseph S. Keen, | Philadelphia. |
| Ornamentings, gildings, &c. with types, | 9, | Francis Bailey, | Philadelphia. |
| Improvement in a piston, | 9, | Peter A. Brown, | Philadelphia. |
| Improvement in an anvil and hammer, | 9, | Charles Josselyn, | Pembroke, Mass. |
| Socket bobbin winder, | 14, | John Thorp and Silas Shepard, | Taunton, Mass. |
| Coguing or dowelling instrument, | 14, | William Bowhay, | Philadelphia. |
| Inclined horse wheel, | 14, | Joseph Best Robinson, | Cincinnati, Ohio. |
| Machine for spinning wool and cotton, and for quilling, | 16, | Jacob Richardson, | Scipio, N. Y. |
| Tide mill, | 22, | Josiah Cleaveland, | St. Mary's Md. |
| Double plough, | 23, | John Cromwell, | Roystertown, Md. |
| Improvement in the steam engine, | 24, | Samuel Fairlamb, | Marietta, Ohio. |
| Spinning and reeling machine, | 24, | Caleb Shillideay and George M. Caslon, | Shelbyville, Ken |
| Plan of erecting salt works, | 24, | David Thacher, | Tuckerton, N. J. |
| Improvement in the tinder box, | 25, | Ira Ives, | Farrington, Conn. |
| Preparing moulds for refining sugar, | 25, | Mervin Merrill, | New-York. |
| Metalic flexible catheter, | 26, | Israel Balch and Moses Carter, | Salisbury, Mass. |
| Manufacturing posts for sitting chairs, | 26, | Elijah Farrington, | New-York. |
| Improvement in making seats or chair bottoms, &c. | 29. | | |

| Inventions. | When issued. | Names of Patentees. | Residence. |
|--|--------------|--|--------------------|
| Moulding and casting bells, | November 4, | Benjamin Hanks, | Albany, N. Y. |
| James Rumsey's improvements on steam boilers and steam engines, | 15, | Edward Rumsey, (executor of James,) | Kentucky. |
| James Rumsey's improvements in wheels and other machinery, operated on by steam, | 15, | Edward Rumsey, (executor of James,) | Kentucky. |
| Improvements in the steam engine, applicable to navigation and other purposes, | 15, | Edward Rumsey, | Kentucky. |
| Cotton gin for separating the seed from cotton, | 18, | Englehart Cruse, | Charleston, S. C. |
| Improvement in the manufacture of scale beams, | 19, | John Edwards, | New-York. |
| Improvement in the churn, | 25, | Abel Broadway, | Monson, Mass. |
| Steam tow-boats, | December 4, | John S. Sullivan, | Boston. |
| Fur-cutting and cloth-shearing machine, | 7, | Benjamin Martial and Dearborn Johnson, | Concord, N. H. |
| Floating dry dock, | 13, | John Adamson, | Boston. |
| Machine for clearing the bottoms of rivers, | 13, | James Tucker, | Baltimore. |
| Steam boiler, | 13, | Humphry Ricketson, | New-York. |
| Improvement in the horse mill, | 14, | William Cornwell, | Accomak, Vir. |
| Type moulds, | 18, | George B. Lothian, | New-York. |
| Rarefied chimney stoves, | 18, | George Rogers, | Northampton, Mass. |
| Improvement in the construction of the electric apparatus, | 20, | Thomas Brown, | Albany, N. Y. |
| Improvements in making paper by machinery, | 24, | Thomas Gilpin, | Philadelphia. |
| Improvement in stoves, &c. | 26, | Anthony B. Martin, | Hagerstown, Md. |
| Double ruling machine, | 26, | Timothy Newhall, jun. | Lynn, Mass. |
| Mode of preventing the waste of water in conduit pipes, | 31, | Elisha Putnam, | Albany, N. Y. |

LETTER**FROM****THE SECRETARY OF STATE,****TRANSMITTING*****A LIST OF THE NAMES*****OF****PERSONS TO WHOM PATENTS HAVE BEEN ISSUED,****FOR THE****INVENTION OF ANY NEW OR USEFUL ART,**

or machine, manufacture, or composition of matter, or any improvement thereon, from the 1st of January, 1817, to the 1st of January, 1818.

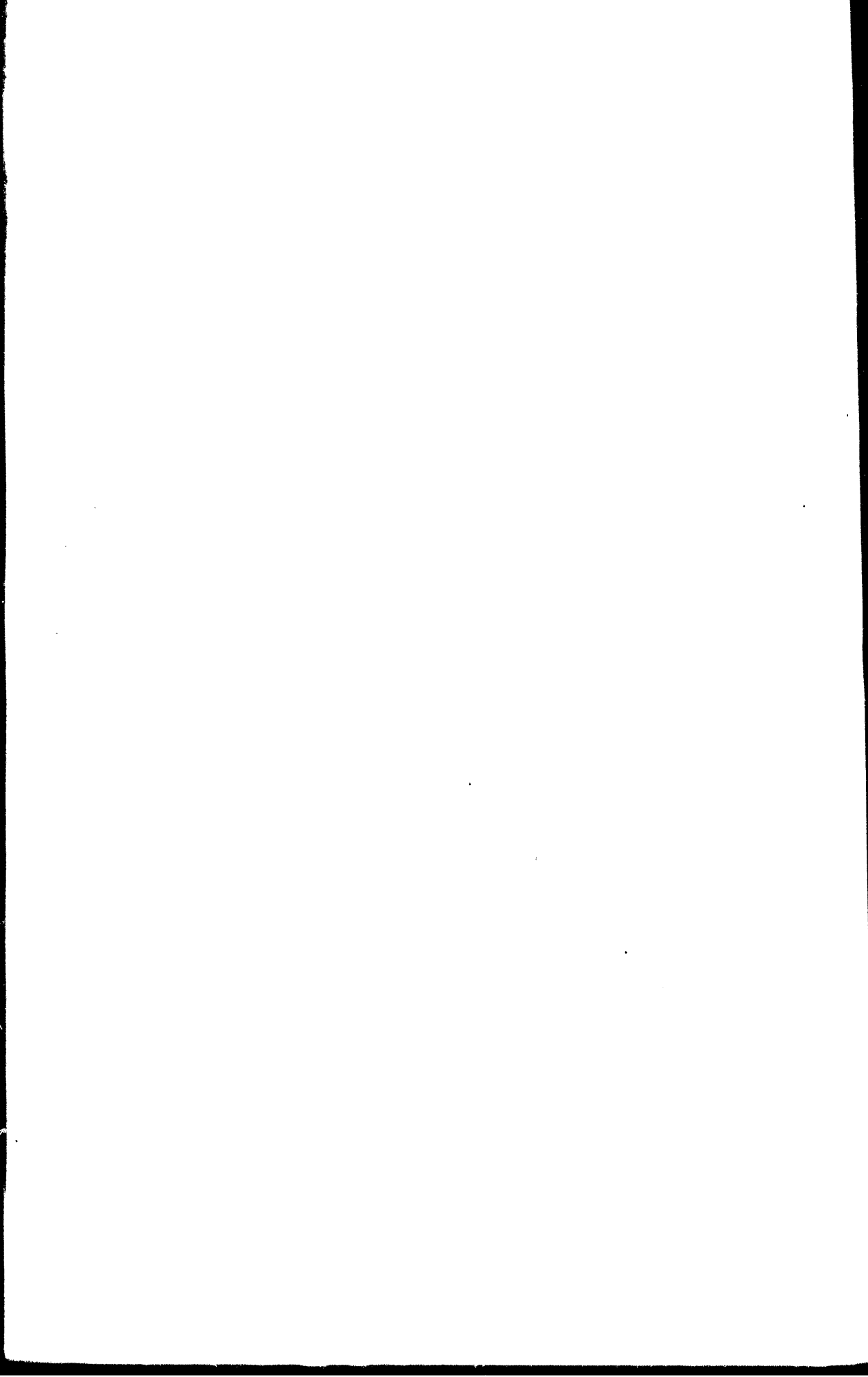
JANUARY 13, 1818.**Read, and ordered to lie upon the table.**

WASHINGTON:**PRINTED BY E. DE KRAFFT.****1818.**

DEPARTMENT OF STATE,**JANUARY 1, 1818.****SIR,**

In pursuance of a resolution of the House of Representatives of the United States, dated the 13th of January, 1812, I have the honor of transmitting a list of the names of persons who have invented any new or useful art or machine, manufacture, or composition of matter, or any improvement thereon, and to whom patents have been issued for the same, from this office, from the 31st day of December, 1816, to the 1st day of January, 1818, with the dates and general objects of such patents: and also the residence of the patentees, as far as they could be ascertained.

JOHN QUINCY ADAMS.



LIST OF PATENTS.

| Inventions. | When issued | Names of Patentees. | Residence. |
|--|-------------|--------------------------|-------------------------|
| | 1817 | | |
| Kiln for burning lime, improvement on the | Jan. 7 | Thomas Power | Hudson, New York |
| Cutting and heading nails at one operation | 7 | Isaac Northrop | Oneida county, N. York |
| Projecting docks, mode of constructing | 7 | Moses Rogers | New York |
| Horizontal and perpendicular water wheel | 10 | William Pumell | Giles's county, W. Ten. |
| Eliptic valve pump | 16 | James Baker | Charlestown, Mass. |
| Cotton gin, improvement on the | 17 | Isaiah Jennings | New York |
| Rotary steam engine, improvement on the | 17 | Ditto | Ditto |
| Salt water, mode of obtaining | 18 | David and Joseph Ruffner | Kanawha, Virginia |
| Straw cutting machine | 18 | Elihu Hotchkiss | Battleborough, Vermont |
| Floating machine for removing mud | 22 | Samuel Davis | Baltimore |
| Raising weights, machine for | 22 | Henry Nold | Buck's county, Penn. |
| Lime kiln, improvement on | 22 | George Harper | Jenkerstown, Penn. |
| Mode of applying draught horses to machinery | 22 | Webb Hart | Accomack, Virginia |
| Compressing and imprinting colors | 24 | Lewis John Bodvil Wells | Philadelphia |
| Fire places, improvement on | 25 | Levi Shepherd | Northampton, Mass. |
| Ribbons, machine for smoothing and glossing | 27 | Charles Cromwell | New York |
| Nails, machine for heading | 29 | Elisha Bigelow | Massachusetts |
| Sythe factory machine, improvement in | Feb. 1 | Benjamin and John Tyler | Claremont, New Hamp. |
| Wooden bellows, improvement in | 1 | Ditto | Ditto |
| Dye woods, machine for rasping and cutting | 1 | Beriah Swift | Washington, New York |

LIST OF PATENTS—Continued.

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| Inventions. | When issued. | Names of Patentees. | Residence. |
|---|--------------|---------------------|------------------------------------|
| | 1817 | | |
| Cooking stoves, cast iron | Feb. 1 | Albertus Swain | Hudson, New York |
| Water, mode of purifying | 1 | Samuel Griffith | Ranslear county, N. Y. |
| Raising water by steam | 4 | William Baley | Nelson county, Ken. |
| Pump, improvement in | 8 | Daniel W. Christman | New York |
| Mineral waters, apparatus for making | 10 | James S. Ewing | Philadelphia |
| Rotary steam engine | 21 | Nathan Read | Boston |
| Threshing machine | 22 | Ditto | Ditto |
| Propelling carriages, boats, &c. machine for | 22 | Barnabas Langdon | Whitehall, New York |
| Spinning wheel, improvement in the | 28 | James Wright | Campbell county, Ken. |
| Cards, machine for grinding and facing | 28 | Gideon Drake | Windsor, Connecticut |
| Revolving ruler | March 3 | Lemuel Hedge | Windsor, Vermont |
| Straw and fodder cutting machine | 3 | Samuel Whitlock | Vermont |
| Mode of applying the propelling power of water to machinery | 3 | Meredith Mallory | Benton, Ontario county New York |
| Grammatical key | 3 | James Brown | Newark, New Jersey |
| Alum, mode of making from lignite | 3 | Genet Troost | Philadelphia |
| Convalescent chair | 13 | John Mead | Albany, New York |
| Boiler for steam engines, improvement on the | 13 | Samuel Morey | Orford, New Hampshire |
| Tide and current water wheel | 13 | Ditto | Ditto |

LIST OF PATENTS—Continued.

| Inventions. | When issued. | Names of Patentees. | Residence. |
|--|--------------|----------------------------|---|
| | 1817 | | |
| Accommodation couch | March 14 | John Mead | Albany, New York |
| Lime kiln, improvement on the | 14 | Jacob Swope | Lancaster, Pennsylvania |
| Composition for covering houses, &c. | 14 | Abijah Rogers | Hudson, New York |
| Improvement on the "Effeminate Spinner," for rope yarn. | 14 | John Pitman | Medford, Massachusetts |
| Water wheel, improvement on the | 20 | Benjamin Thomas | Washington City |
| Raising the nap on woollen cloth, machine for | 20 | Eli Starr and Nathan Couch | Sullivan Township, N. Y. |
| Window blinds, improvement on | 20 | George Munger | Cambridge, Maryland |
| Brickmaking and clay grinding machine | 26 | William Mitchell | Richmond, Virginia |
| Submarine propeller | 24 | John L. Sullivan | Boston |
| Application of condensed and compressed air in propelling boats | 24 | Ditto | Ditto |
| Steam engine, improvement on the | | Ditto | Ditto |
| Small spinning wheels, improvement on the | 29 | Nathan Lewis | Canandaigua, N. York |
| Elixir of life | 29 | Jules Rucco | Baltimore |
| Teazling cloth | 29 | James Olney | Westmoreland, N. York |
| Water wheel, improvement on Rumsey and M'Comb's | April 3 | Theodore Burr | Burr Haven, Dauphin county, Pennsylvania |

LIST OF PATENTS—Continued.

| Inventions. | When issued. | Names of Patentees. | Residence. |
|---|-----------------|------------------------------|--|
| Building bridges, improvement on Construction of chimneys, stoves, and fire places | 1817 April 3 | Theodore Burr | Burr Haven, Dauphin county, Pennsylvania |
| Stove, improvement on the | 5 | Louis D. Detroismonts | New York |
| Saw mill, improvement on the | 5 | Joseph P. Simpson | Ditto |
| Threshing machine, improvement on the | 5 | David and Minor Fountain | Eastern Shore Maryland |
| Cylindrical boot cleaning machine | 12 | Thomas Cohoon and Wm. Elliot | Washington City |
| Knapping woollen cloth, machine for | 16 | Israel Pinkney | New York |
| Water wheel, improvement on the | 16 | Bishop N. Bursons | Ditto |
| Spring vaccinator, | 16 | Ira Griswold | Granby, Connecticut |
| Nail machine, improvement on the | 17 | William Haslett | Baltimore |
| Perpetual water wheel | 18 | Heman M'Cluer | Homer, New York |
| Stoves, improvement on | 21 | James Widdifield | Philadelphia |
| Composition for making copy, writing, and drawing books | 26 | Ephraim Treadwell | Boston |
| Pumps, improvement in | 28 | Richard Wall | Philadelphia |
| Window and door frames, improvement in | 29 | Thomas Nicholson | Washington City |
| Metalic single valve pump box | 30 | John Jordon | Rockbridge county, Va |
| Pumps, improvement in | May 2 | Isaac Scott | Boston |
| Rotary dry dock | 3 | John M. Dearborn | Do. |
| | 3 | Joseph Webb | New York |

LIST OF PATENTS—Continued.

| Inventions. | When issued | Names of Patentees. | Residence. |
|---|-------------|--------------------------------|-----------------------|
| | 1817 | | |
| Pumps, improvement in | May 6 | Wm. P. Tilton | Boston |
| Elliptic valve pump box, improvement on his | 9 | James Baker | Charleston, Mass. |
| Spinning wheel, improvement on the | 12 | Timothy Cruttendon | New York |
| Cutting brads and sprigs, machine for | 16 | Gudley Jenkins | Plymouth county, Mass |
| Trusses for ruptures, | 17 | Abel Blanchard | Pembroke, N. Hamp. |
| Teazling cloth | 16 | Josiah Beckwith | Lyme, Connecticut |
| Horizontal circular valve pump spear, | 23 | Ebenezer Leman | Boston |
| Application of steam as a moving power to machinery | 28 | Samuel Briggs | New Orleans |
| Plough, improvement on the | 29 | David Peacock | New Mills, N. Jersey |
| Machine for making holes in horizontal plates or bars | 29 | Benjamin King | Washington City |
| Preparation of the flour of mustard, &c. | 31 | Samuel Hopkins | Philadelphia |
| Folding paddle for impeiling boats | June 6 | Ebenezer Jenks | Colebrook, Con. |
| Boot and shoe maker's work bench | 7 | Baruch Way | Ontario county, N. Y. |
| Water loom, improvement on his | 10 | Thomas Mussey | New London, Con. |
| Nail machine, improvement on | 10 | Joseph Kello and Joseph Carter | Philadelphia |
| Revolving shears, for shearing cloth | 10 | James Collins | Anson, Somerset, Me. |
| Right and left boot and shoe last | 10 | William Young | Baltimore |
| Combs, machine for cutting all kinds of | 14 | Thomas G. Thomas | Philadelphia |

LIST OF PATENTS—Continued.

| Inventions. | When issued. | Names of Patentees. | Residence. |
|---|-----------------|--------------------------------|-----------------------|
| Sash work, machine for laying out, and striking, all kinds of | 1817 June 17 | Jeremiah Bliss | Somerset, Connecticut |
| Sawing machine, for clap boards, shingles, &c. | 26 | Josiah Jaquith | Sherburn, Mass. |
| Excavating plough, for canals, &c. | 28 | James Richmond | Hudson, New York |
| Letting water on the flutter wheel | July 1 | Jarvis Smith | Queen's county, N. Y. |
| Belt or band saw | 5 | Adam Stewart, | Baltimore |
| Machine for sawing veneering, &c. | 5 | Do. | Do. |
| Horizontal or verticle radial saw | 5 | Do. | Do. |
| Buckle for suspenders | 5 | Orange Webb | New York |
| Water wheel, improvement on the | 7 | Amos Thayer | Albany, New York |
| Scraping and sweeping chimneys, machine for | 12 | John Hunt | Baltimore |
| Trusses for ruptures, improvement on | 17 | Amos G. Hall | Utica, New York |
| Saw gates, machine for giving motion to | 21 | Samuel Herrick | Clermont county, Ohio |
| Angular plough | 31 | John Lupton | Virginia |
| Improvement on Dearborn's patent balance | 31 | Solomon A. Rogers | Geneva, New York |
| Pumps, and pump boxes, improvement in | Aug. 1 | John C. Helme | Newport, Rhode Island |
| Hydraulic machine | 7 | Charles Darmand | Georgetown, D. C. |
| Veterinary ventilated bath | 8 | James Carver | Philadelphia |
| Mode of preparing varn for weaving | 8 | H. P. Franklin & Wm. B. Winsor | Providence, R. I. |

LIST OF PATENTS—Continued.

| Inventions. | When issued. | Names of Patentees. | Residence. |
|---|--------------|---------------------------------|--|
| | 1817 | | |
| Screw machine, improvement in their Screws, machine for cutting wooden and metal | Aug. 8 | Phinehas Dow- & Danl. Treadwell | Boston |
| Vertical axes, steps, or ink and gudgeon, &c. | 11 | John Andrews | Dinwiddie county, Va. |
| Cloth shearing machines, improvement on | 14 | Do. | Do |
| Straw cutting machine | 13 | Eliphelit Remington | Frankfort, Herkimer county, N. York |
| Head oar, for steering | 13 | Wm. Ayres & Herman Gay | Windsor, Vermont |
| Fire places, constructing | 15 | Cornelius Seaman, | Washington, county, Maryland |
| Japanned bellows, making | 16 | William Salisbury | Derby, Vermont |
| Bleaching cotton and linen yarn, &c. | 22 | R. B. Richardson | Philadelphia |
| Threshing machine, improvement on the | 22 | Jonas Kendan | Leominster, Mass. |
| Steam engine, improvement on the | 23 | Silas Smith | Albany, New York |
| Sugar mill, improvement on the | 27 | John Heavin | Virginia |
| Propelling vessels, &c. by pendulum power | 28 | Jean Baptiste Aveilhe | New York |
| Pumps, improvement on | 28 | Joseph Cerneau | Do. |
| Hand raling machine | Sept. 1 | Luke M. Laighton | Portsmouth, N. Hamp. |
| Twining horn and tortoise shell combs, machine for | 1 | G. Strowhuver & Fred. Sanxay | Cincinnati, -Ohio |
| | 6 | David E. Noyes | Philadelphia |

LIST OF PATENTS—Continued.

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| Inventions. | When issued. | Names of Patentees. | Residence. |
|--|--------------|--|--------------------------------------|
| | 1817 | | |
| Grand anti-bilious and depurative gurider | Sept. 9 | John James Giraud | Baltimore |
| Sinking wells, improvement in | 10 | Eben. Hilyard | Philadelphia |
| Improved box, with anti-friction rollers | 11 | William Edwards | Baltimore |
| Propelling vessels, &c. by animal power, mode of | Oct. 3 | J. P. Durand | New York |
| Raising and forcing water, and other fluids | 3 | Samuel Findley, Breese Morse & Sidney Edward Morse | Charleston, Mass. |
| Carriage life preserver | 3 | Henry G. De Grandval | Portsmouth, N. H. |
| Improvement on lamps | 3 | Alexander Black | Barnstable, Mass. |
| Tacks and brads, machine for manufacturing | 3 | Saml. Rogers & Thos. Blanchard | Boston |
| Nut boring bit, for boring gun barrels | 3 | James Green, | Harper's Ferry |
| Loom, improvement in the | 3 | Benjamin Cummings | Townsend, Mass. |
| Piano forte, improvement on | Oct. 3 | John Geib | New York |
| Sap bucket | 4 | Jeremiah Purdy | Cherburne, Chenango county, New York |
| Anti-attrition, compound | 4 | Edward Mott | Philadelphia |
| Rising gate and fawcet gate, improvement on his | 4 | Jeremiah Brainard | Onieda county, N. Y. |
| Metalic projecting letters and figures | 4 | Lewis Child | New York |
| Carriages, improvement in | 4 | Benjamin Hale | Newburyport, Mass. |

LIST OF PATENTS—Continued.

| Inventions. | When issued. | Names of Patentees. | Residence. |
|---|----------------|-------------------------------|-----------------------|
| Setting natural and artificial teeth, improvement in | 1817 Oct. 4 | Wilkinson R. Eagleson | Baltimore |
| Making and laying cordage, improvement in | 4 | Charles Lenox Sargent | Suffolk, Mass. |
| Boiling, improvement in | 4 | Caleb Shepard | Cicinnatus, New York |
| Pump, (being a folding paddle) improvement in | 10 | Spencer Thomas | Boston |
| Manufacturing verdegris, improvement in | 13 | George F. Hagner | Philadelphia |
| Manufacturing white lead, improvement in | 13 | George F. Hagner | Philadelphia |
| Steam engine, improvement in the | 13 | Israel J. Richardson | Geneva, New York |
| Horizontal inclined wheel, moved by animal weight | 14 | Moses Isaacs and John Wilbank | Philadelphia |
| Cordage, machine for manufacturing all kinds of | 17 | Stephen and James A. Bazen | Canton, Massachusetts |
| Gun barrels, mode of manufacturing | 25 | Asa Waters | Millbury, Mass. |
| Pewter candlesticks, making | 24 | Joshua Witherle | Boston |
| Pumps, improvement in | Nov. 1 | William Purcell | New York |
| Mortising machine | 3 | Nathan Mead & Jonathan Cutel | Walpole, N. H. |
| Toothache, remedy for | 5 | Joseph Utley | Hartford, Conn. |
| Process of milling, fulling, &c. cloths, improvement in | 6 | Martin Lee | Otsego, New York |
| Cement to be used under water | 11 | John Grant | Saratoga, New York |

LIST OF PATENTS—Continued.

| Inventions. | When issued. | Names of Patentees. | Residence. |
|--|--------------|------------------------------|-------------------------|
| | 1817 | | |
| Salt, improvement in the manufacture of | Nov. 14 | Everard Hall | Princess Ann, Virginia |
| Steam boilers, improvement in | 20 | Royal Yeamans | Baltimore |
| Lint loom | 28 | Francis Hall | Charleston, Mass. |
| Collecting, regulating & retaining heat in stoves | 28 | William Phoebus | New York |
| Water proof stiffening for fur and wool hats | 28 | William Ruckles | Baltimore |
| Straw cutting machine | Dec. 5 | Arnold Brayton & H. C. Green | Cheshire, Mass. |
| Stove, fire-place and oven, improvement in | 6 | John Rice | Hartland, Vermont |
| Elastic clamp for shoemakers, &c. | 6 | Thomas Rowell Hoyt | Goffstown, N. H. |
| Propelling boats by wheels by animal power | 11 | Anthony Olney | Canton, Massachusetts |
| American water burner | 11 | Samuel Morey | Orford, N. H. |
| Machine for extinguishing fires and sweeping chimneys | 11 | Ephraim Paine | Philadelphia |
| Threshing machine, for threshing small grain | 23 | Nathan Read | Belfast, District Maine |
| Improvement in the art of gilding, silvering, &c. on leather | 26 | Andrew Allen | New York |
| Rollers for distributing the, on printer's types | 26 | Hugh Maxwell | Lancaster, Penn. |
| Cotton hopper for cleaning cotton | 31 | Guordon F. Saltonstall | Fayetteville, N. C. |
| Machine for finishing and dicing morocco | 31 | Moses Hall | Charleston, Mass. |
| Machine for cutting and heading nails | 31 | Melville Otis | Boston |
| Removing spots from silken and woollen goods | 31 | Aaron Hall and John Hall | Boston |

LETTER

FROM

THE SECRETARY OF STATE,

TRANSMITTING

A LIST OF THE NAMES

OF

PERSONS TO WHOM PATENTS HAVE BEEN GRANTED,

FOR

ANY USEFUL INVENTION,

FROM

FIRST OF JANUARY, 1818, TO FIRST OF JANUARY, 1819.

JANUARY 7, 1819.

Read, and ordered to lie upon the table.

WASHINGTON.

PRINTED BY E. DE KRAFFT.

1819.



DEPARTMENT OF STATE,

January 1, 1819.

SIR,

In pursuance of the resolution of the House of Representatives of the United States, dated the 13th of January, 1812, I have the honor of transmitting a list of the names of persons who have invented any new or useful art, or machine, manufacture, or composition of matter, or any improvement thereon, and to whom patents have been issued for the same, from this office, from the 1st day of January, 1818, th the 1st day of January, 1819, with the dates and general objects of such patents; and also, the residence of the patentees, as far as could be ascertained.

I have the honor to be,

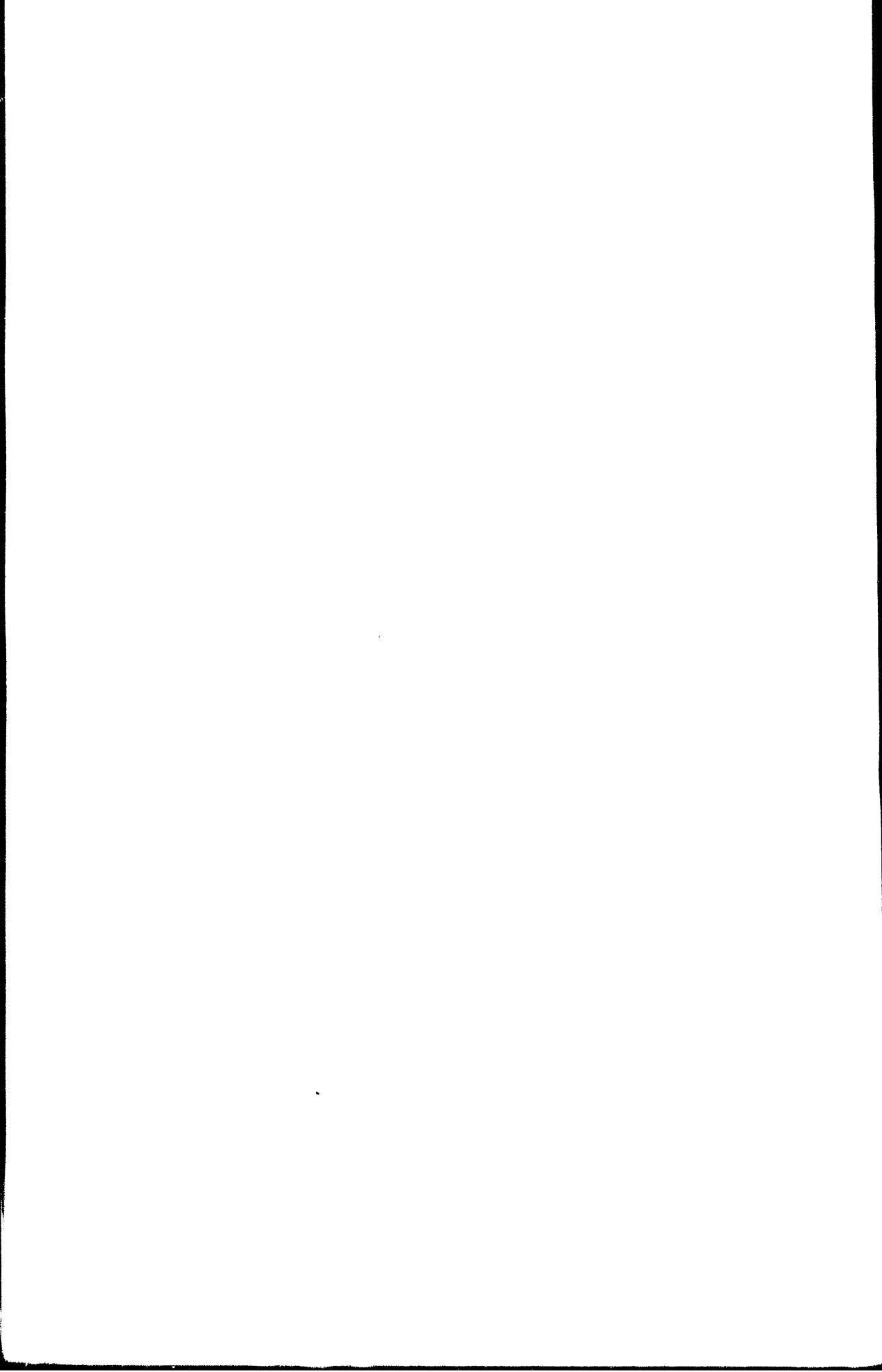
With great consideration,

Your very obedient servant,

JOHN QUINCY ADAMS.

The Honorable the Speaker

of the House of Representatives of the United States,



LIST OF PATENTS, &c.

| INVENTIONS. | DATE. | NAMES OF PATENTEES. |
|---|------------|---|
| | 1818. | |
| Saw mill, improvement in | January 6 | Daniel Collins, Genessee county, New York. |
| Perpetual oven, improvement on the | 8 | Wm. T. Hunter, New York. |
| Machine for cutting bungs, &c. | 15 | Alexander Donaldson, Salem, Mass. |
| Fetters for horses | 15 | Joseph Watson, New Canaan, Conn. |
| Machine for splitting timber | 15 | Daniel Wright, Franklin, Delaware co. N. Y. |
| Instrument for holding the pen | 15 | Henry Smith, Georgetown, D. C. |
| Pointing cannon, in the mode of | 17 | Jeremiah Black, Northumberland, Penn. |
| Construction of coaches, &c. | 17 | Benjamin Hale, Newburyport, Mass. |
| Constructing the Archimedean screw | 17 | Jeremiah Black, Northumberland, Penn. |
| Propelling boats, mode of | 17 | John P. Durand, New York. |
| Machine for shearing cloth | 17 | Wm. Stillman, Westerly, Rhode Island. |
| Machine for sizing and dressing cloth | 17 | Paul Moody, Waltham, Mass. |
| Lamps, improvement in | 23 | Winslow Lewis, Boston. |
| Converting iron into steel, partially | 28 | Ebenezer Jenks, Colebrook, Connecticut. |
| Polishing powder for metals | 28 | Holmes Greenwood, Providence, R. I. |
| Metallic portable bedsteads | 28 | Joseph Homer, New York. |
| Finishing and dyeing silk goods | 30 | Abner Stearns, and Wm. Barrett, West Cam- |
| Seasoning wood | February 2 | bridge, Mass. James Ronaldson, Philad. |

LIST OF PATENTS—Continued.

| INVENTIONS. | DATE. | NAMES OF THE PATENTEES. |
|--|------------|--|
| | 1818. | |
| Stiffening hats, mode of | February 7 | Alanson & Garret V. Raymond, Baltimore. |
| Thrashing machine | 9 | Thrashing machine, Mathews county, Va. |
| Straw cutting machine | 13 | Alpheus, Bigelow, Weston, Mass. |
| Auger to bore square and other rectilineal holes | 14 | Cyrus. Jackson, Otsego county, N. York. |
| Machine for collecting sand, &c. | 14 | Rufus Elliott, Georgetown, D. C. |
| Thrashing machine | 18 | Nathan Read, Belfast, D. Maine. |
| Pump, improvement in | 19 | Daniel Updike, New York. |
| Thrashing machine | 25 | Thos. Beatty & Michael, Washington, D. C. |
| Thrashing machine | 25 | James Jones, jr. New Haven, Con. |
| Machine for kneading dough, &c. | 28 | Samuel, Nixon, Prince George's co. Va. |
| Wheel regulator and spare gear | 28 | John L. Sullivan, Boston. |
| Supply chamber for boilers, &c. | 28 | Do. |
| Steam engine boiler improvement in | 28 | Do. |
| Hulling grain, machine for | 28 | Benj Maltby & Maltby Fowler, N. Haven Con. |
| Consuming smoke, mode of | March 5 | John Ecoff, Wheeling co, Va. |
| Trailing wheel for mills | 6 | John Read, Lime. Con. |
| Steel mill for grinding coffee, &c. | 6 | Increase Wilson, New London, Con. |
| Cloth shearing machine | 16 | David Dewy Rutland co. Va. |
| Improvement in the horse boat | 17 | Moses Isaacs, Philad. |

LIST OF PATENTS—Continued.

| INVENTIONS. | DATE. | NAMES OF THE PATENTEES. |
|--|----------|--|
| | 1818. | |
| Application of pumps in propelling boats . . . | March 17 | Mayer Ulman & Moses Isaacs, Philadelphia. |
| Kettles for boiling salt, &c. | 18 | Jeremiah Kendall, Fayette co. Penn. |
| Printer's ball stocks, improvement in . . . | 18 | John Babcock, New Haven, Con. |
| Smith's bellows, improvement in the . . . | 23 | Alanson Holmes, Pomfret, New York. |
| Mud machine | 28 | Samuel Davis, Baltimore. |
| Making white lead | 28 | Edward Clark, Philadelphia. |
| Machine for preparing rags for making paper | 28 | Benjamin Cox, Northampton, Mass. |
| Stoves, improvement in construction . . . | April 10 | Burgess Allison, Philad. |
| Hanging rudders, improvement in hanging | 10 | John Shaw, Philad. |
| Propelling boats, mode of | 10 | John James Giraud, Baltimore. |
| Stoves, improvement in | 11 | Robert & John Mount, New York. |
| Straw cutting machine | 11 | Stephen A. Sherwood, Poughkeepsie, N. Y. |
| Machine for turning gun barrels | 11 | Sylvester Nash, Harper's Ferry, Va. |
| Weaving machine | 11 | David, Grieve, Providence, R. I. |
| Cooking stove | 16 | John Adams, Hudson, New York. |
| Machine for rolling metallic tubes | 16 | Cyrus Eastman, Hillsborough, N. Hampshire. |
| Water wheel improvement in the | 21 | John Evens, Davies co. Indiana. |
| Agency of dogs as a new power | 27 | Anthony Tieman, New York. |

LIST OF PATENTS—Continued.

| INVENTIONS. | DATE. | NAMES OF THE PATENTEES. |
|---|----------|---|
| | 1818. | |
| Employing the waste steam, &c. | April 28 | Jno. H Morton, Thos. Bovley & Robt. Huston, Lexington, Ky. |
| Paddles for propelling ships, &c. | 28 | John L. Sullivan, Boston. |
| Locks for doors, improvement in | 28 | William Pye, New York. |
| Union Lock | 28 | Do. Do. |
| Wooden springs for carriages | 28 | James Greenwood, New Castle, Del. |
| New mode of applying water as a power | May 1 | Amos Thayer, Albany, New York. |
| Water wheel, improvement in the | 1 | Do. Do. |
| Medicated liquid magnesia | 4 | John Cullen, Philad. |
| Water tew iron | 26 | Gld'n Davis Sandy Springs, Montgomery, Md. |
| Plough, improvement in | 25 | Do. Do. |
| Manufacturing white lead | 28 | Joseph Richards, Philad. |
| Manufacturing into plates and sheets | 28 | Evan J Ellicott, Baltimore. |
| Wind wheel | 28 | Moses Isaacs, Philad. |
| Printing press, improvement in | 28 | Adam Ramage, Philad. |
| Metal hair combs | 28 | Linus, North, Orsego, New York. |
| Nailing on the soles of boots and shoes | June 2 | John Bedford Philad. |
| Machine for propelling boats | 6 | Thomas Kearsing, New York. |
| In arranging music to printed books | 9 | Moses Elliot, Boscawen, N. H. |

LIST OF PATENTS—Continued.

| INVENTIONS. | DATE. | NAMES OF PATENTEES. |
|---|--------|---|
| | 1818. | |
| Mills for grinding coffee. &c. | June 9 | Burrows Smith, Cincinnati, Ohio |
| Gun, to discharge 7 or more times | 10 | Artemas Wheeler, Concord, Mass. |
| Submarine ploughing | 10 | John Kendrick, Newton, Mass. |
| Improvement in music | 11 | Nicholas Antonius Lete, New York. |
| Improvement in spinning wheel, &c. | 12 | John Brown, Providence, R. I. |
| Pump, improvement in the | 12 | Wm. Hendrick, New York. |
| Machine for grinding sugar cane | 13 | John Gotleib Breithler, New Orleans. |
| Machine for sawing stone | 17 | John & Sullivan Dwight, Boston. |
| Manufacturing common salt | 23 | George, Munger, New Haven. |
| Tachygraphy, or the flying pen | 29 | Louis M de Sprangh, New York. |
| Making leather tubes or hose, &c. | July 6 | Abm. L. Pennock & Jas. Sellers, Philad. |
| Making mail bags. &c. by nailing | 6 | Do. Do. |
| Steam bath for medical purposes | 6 | John Deverin & John Baptiste Isabelle, Lexington, Ky. |
| Circular saw. improvement on the | 11 | Wm. Fred. Hill, New York. |
| Steam engine, improvement in | 11 | Wm Church, Baltimore. |
| Machine for tearing up trees, &c. | 15 | Salmon Gray, Lawrence co New York. |
| Securing locks from being picked | 17 | Geo. Whitfield Robinson, Attleborough, Mass. |
| Setting kettles, &c. for boilers | 17 | Do. Do. |

| INVENTIONS. | DATE. | NAMES OF THE PATENTEES. |
|--|--------------|---|
| | 1818. | |
| Engine for extinguishing fires | July 24 | John Richardson, jr. Shrewsbury, Mass. |
| Bent wood handle and socket for ladles | 25 | Simeon Stedman, Hartford, Con. |
| Improvement in making casks | 25 | Joseph Little, Hillsborough, N. H. |
| Wooden springs, improvement in | 31 | James Clark, Kent co. Del. |
| Horse rake, improvement in the | August 1 | Peirson Reading, Trenton. N. J. |
| Cotton yarn, improvement in spinning | 1 | Peleg Arnold, Coventry, Con. |
| Machines for manufacturing combs | 11 | Daniel Pettibone, Philad. |
| Lathes for turning gun barrels | 24 | Danl. Dana & Anthony Olney, Canton, Mass. |
| Bookbinding, improvement in | 26 | John Meer, Philad. |
| Sheeves for blocks, improvement in | 26 | Nathl. H. Lewis, N. York. |
| Crystallizing tin, improvement in | 26 | George F. Valentine, Albany, N. Y. |
| Gramulating gun powder, improvement in | 26 | Danl. Rogers, Newburg, New York. |
| Catching fish by gill nets, improvement in | 27 | James Drummond, New York. |
| Constructing ovens in the Am. Stoves | 27 | Ephm. Treadwell. Salem, Mass. |
| Loom, improvement in the | 27 | Ewd. Warren, New York. |
| Piano forte, improvement in the | 27 | Joseph Alois Guttwaldt, New York. |
| Machine for knapping, &c cloth | September 2 | John Joseph Bryent, Andover, N. H. |
| Fire-places, improvement in | 2 | Ebenezer Jenks, Colebrook, Con. |
| Dyeing and finishing silk, improvement in | 8 | Abner Stearns & Wm. Barrett, Boston. |

| INVENTIONS. | DATE. | NAMES OF THE PATENTEES. |
|--|--------------|--|
| | 1818. | |
| Stoves, improvement in | September 15 | Aaron Lane, New York. |
| Roping, twisting, and winding cotton | 18 | David Grive, Providence, R. I. |
| Sweeping chimneys, machine for | 22 | Aaron Lane, New York. |
| Machine for ornamenting columns, &c. . . . | 22 | Cyrus Durand, Springfield, N. J. |
| Carriages, improvement in constructing . . | 29 | John B. Swan, Albany, New York. |
| Distilling, improvement in | 29 | Peirce Woods, Frederick co. Md. |
| Joint of a rule for window catches | October 1 | Noble Hurdle, Georgetown, D. C. |
| Winnowing machine, improvement in | 5 | Thomas Beatty, Washington, D. C. |
| Bleaching, improvement in | 8 | John George Kientzle, Montgomery co. Penn. |
| Asiatic Lenitive for pain | 26 | Ezekiel Audler, New York. |
| Window springs, improvement in | 26 | Gideon Drake, Hartford, Con. |
| Rod for measuring packages, &c. | 26 | Danl. Stanbury, Laurel Hill, N. J. |
| Plough, improvement in the | 26 | Perry Miller, Washington county New York. |
| Inspecting cotton, machine for | 29 | Louis Viales, New Orleans. |
| Improvement on Zena Phinney's cornsheller | 29 | Hugh Gallagher. Pittsburgh. |
| Clarifying castor oil | November 5 | John Hallock, Burlington co. N. Jersey. |
| Vaporous alembic | 5 | Charles Merot, Philad. |
| Floating dry dock, improvement on | 6 | Albert Brux, Augusta, Georgia. |
| Making plough shares by rolling out . . . | 7 | Joseph Potts, Montgomery co. Penn. |

LIST OF PATENTS—Continued.

| INVENTIONS. | DATE. | NAMES OF THE PATENTEES. |
|--|--------------|---|
| | 1818. | |
| Organs, improvement in | November 11 | Aaron Merrill, Peasley, Boston. |
| Springs for carriages, improvement in | 17 | Michael H Bonwill, Canterbury, Del. |
| Propelling boats, improvement in the mode of | 18 | Abm. Taylor, New York. |
| Propelling boats, improvement in | 18 | Jeremiah Gray, Peckskill, New York. |
| Horse wheel to propel boats, improvement in | 18 | Rodman Bowne & John Murphy, New York. |
| Conduit pipes, improvement in | 18 | Elisha Putnam, Albany, New York. |
| Machine for breaking flax, hemp, &c. | 18 | David Melville, Newport, R I. |
| Hydraulic machine | 18 | Joseph James Lynganore, Md. |
| Heat retainer and imparter | 19 | John K. Mitchell, Philad. |
| Argand's Lamp improvement in | 19 | David Melville, Newport. |
| Ink standish, improvement in the | 23 | Ansel Haywood, Easton, Mass. |
| Sample box | 25 | George P Oakley, Poughkeepsie, N. York. |
| Winnowing machine | 26 | Jacob Bromwell, Baltimore. |
| Odometer, to ascertain the distance | 30 | James Clarke, Pownatan co Va. |
| Propelling boats | December 1 | Andrew Bartholomew, Albany, New York. |
| Casting the faces of mill-stones | 8 | Graften Manter, Londonderry, N. H. |
| Rotary steam engine, improvement on. | 10 | John L. Sullivan, Boston. |
| Double stern wheel for boats | 10 | Do. Do. |
| American water burner, improvement on the | 11 | Do. Do. |

LIST OF PATENTS—Continued.

| INVENTIONS. | DATE. | NAMES OF THE PATENTEES. |
|--|-------------|---|
| | 1848. | |
| Steam boat side rudders | December 11 | John L. Sullivan, Boston. |
| Thrashing machine | 16 | Chester Bullard, Jotham Gay, & Ira Draper, Norfolk co. Mass. |
| Conduit pipes, improvement in making | 18 | Joshua Clark & Levi Crowell, Westminster, Va. |
| Sweeping chimneys | 19 | Wm Hall New York. |
| Treple pipe steam boiler | 19 | Saml. Morey, Orford, N. H. |
| American water burner, improvement in the | 19 | Do. Do. |
| Plough, improvement in the | 19 | Richard Nicholas Harrison, New York. |
| Turning gun barrels | 19 | Asa Waters, Millbury, Mass. |
| Swing bucket water weel | 22 | Do. Do. |
| Sinking Wells | 22 | Tobias Ruffner, Kenawha, Va. |
| Tanning hides and skins | 22 | James Batchelder, Grafton, N. H. |
| Thrashing machine, improvement in the | 28 | Thomas Mayfield, Baltimore. |
| Machine for grinding paint, &c. | 28 | Elijah Skinner, Sandwich, N. H. |
| Plough, improvement in the | 28 | George D Avery, Wood county, Va. |
| Steam engine boiler, improvement in the | 29 | John L. Sullivan, Boston. |
| Improvement on the inclined wheel | 29 | John Palmer, Cincinnati, Ohio. |
| Spinning wheel, improvement in the | 29 | Henry Wilson, Phelps, Ontario co. New York. |
| Screw power applied to propelling boats | 30 | Henry William, Wheatlev, New York. |
| Lever crane | 31 | Ebenezer Smith, Paris, Oneido co. N. York. |



LETTER

FROM

THE SECRETARY OF STATE,

TRANSMITTING

A List of the names of persons who have invented any new or useful Art or Machine, Manufacture, or Composition of matter, or any Improvement thereon; and to whom Patents have been issued for the same, from the 31st day of December, 1818, to the 1st day of January, 1820, with the dates and general objects of such Patents. and also the residence of the Patentees, as far as could be ascertained.

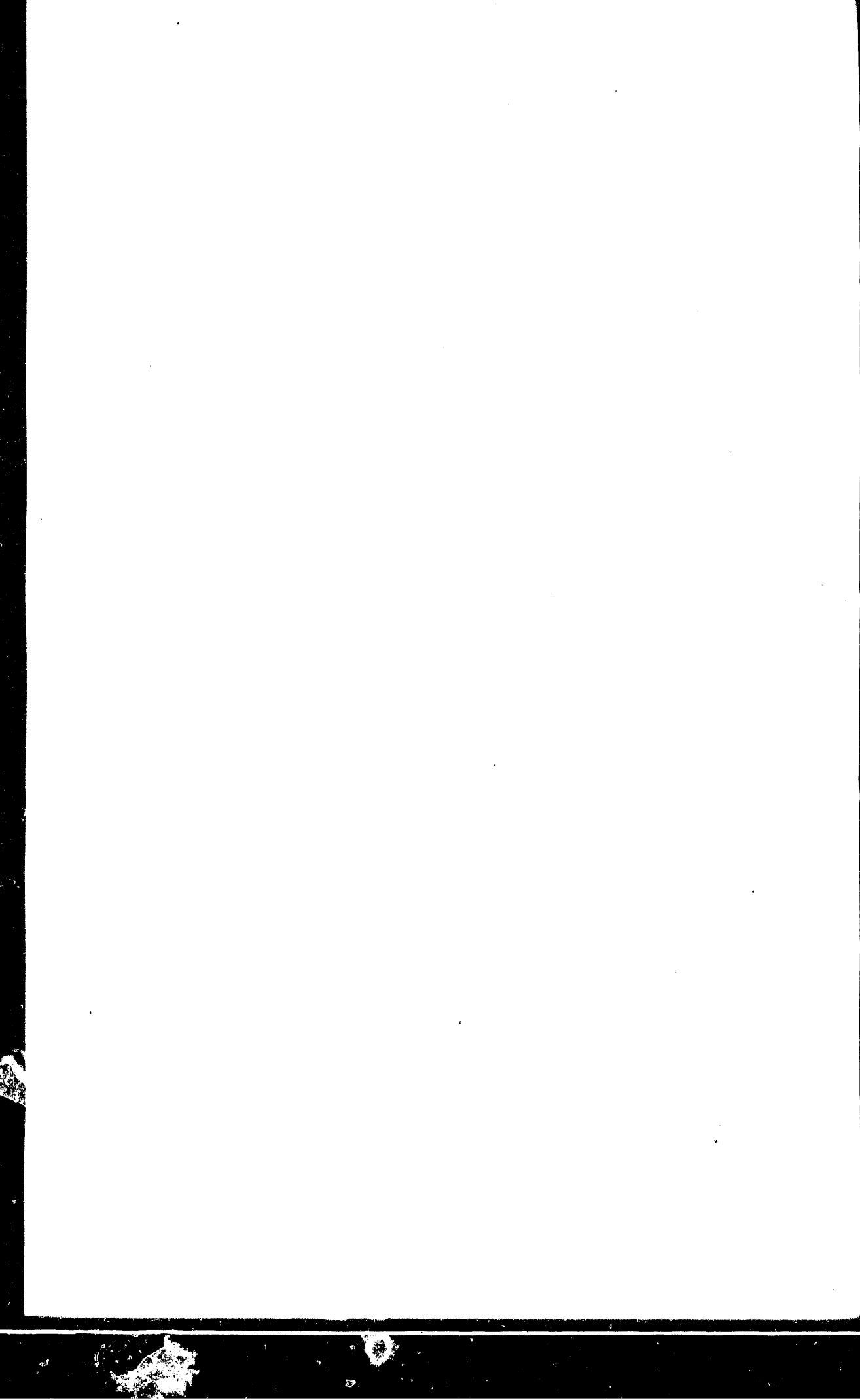
JANUARY 7, 1820.

Ordered to lie on the table.

WASHINGTON :

PRINTED BY GALES & SEATON.

1820.



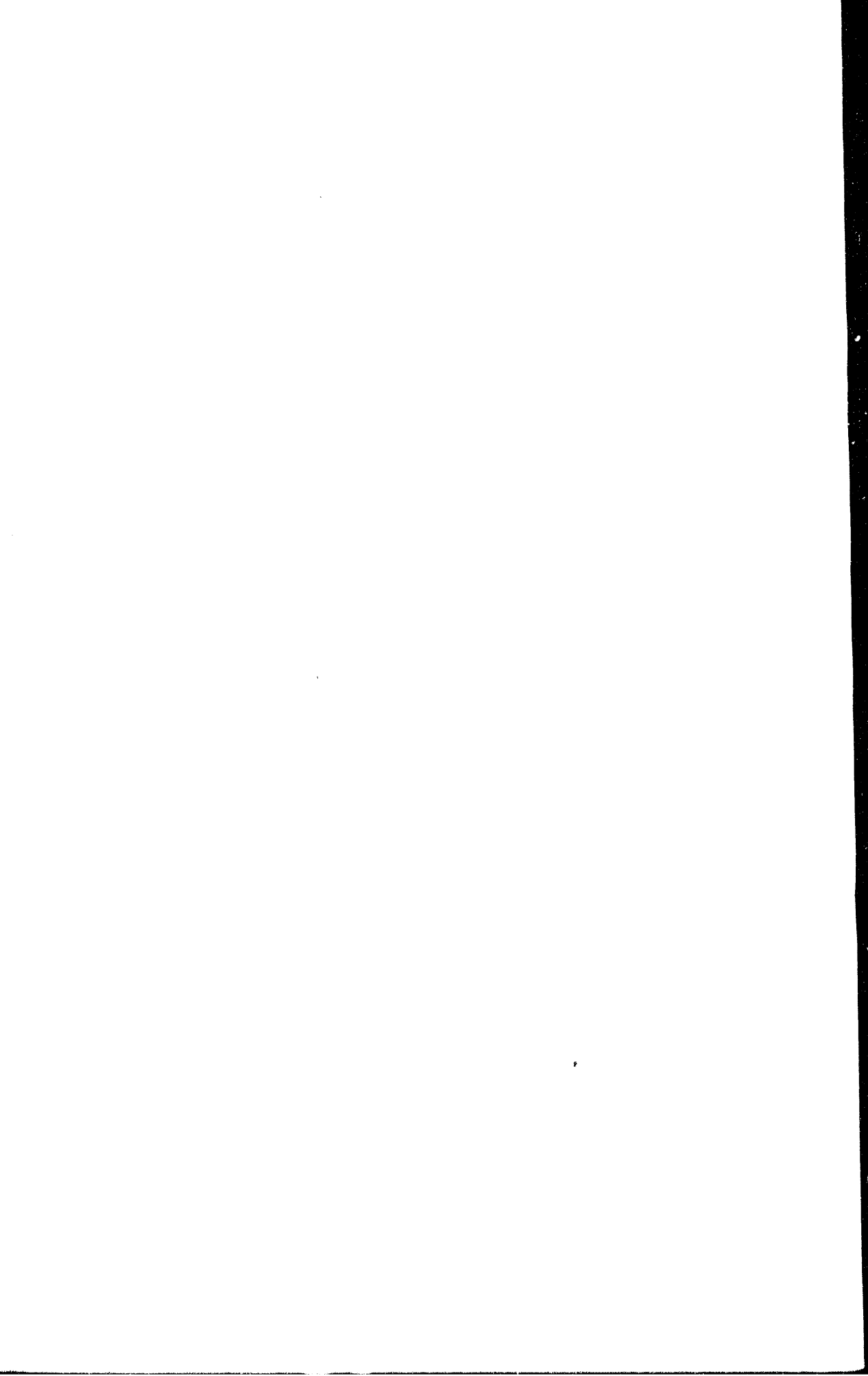
DEPARTMENT OF STATE,

JANUARY 1, 1820.

SIR: In pursuance of the resolution of the House of Representatives of the United States, dated the 13th of January, 1812, I have the honor of transmitting a list of the names of persons who have invented any new or useful art or machine, manufacture, or composition of matter, or any improvement thereon, and to whom patents have been issued for the same, from this office, from the 31st day of December, 1818, to the 1st day of January, 1820, with the dates and general objects of such patents; and also the residence of the patentees, as far as could be ascertained.

JOHN QUINCY ADAMS.

*To the Honorable the SPEAKER
Of the House of Representatives of the U. States.*



| INVENTIONS. | When issued. 1819. | NAMES OF PATENTEES. | RESIDENCE. |
|--|-----------------------|---------------------|---------------------------|
| Spindle and bobbin for spinning cotton, &c. | Jan. 9, | Wm. B. Leonard | Fishkill, N. York. |
| Machine for making cordage - | " 9, | Do. | Do. |
| Machine for making bottle corks - | " 12, | James Barron | Hampton, Virginia. |
| Mode of shooting with steam - | " 19, | Samuel Morey | Orford, N. Hampshire. |
| Leading the flame in stoves by wire gauze. | " 20, | Do. | Do. |
| Blocks used in stereotype printing - | " 20, | Matthew Smith | New York. |
| Machine for making brooms - | Feb. 3, | Shadrach H. Weed | Poughkeepsie, N. York. |
| Construction of fire-places - | " 3, | Eliphalet Nott | Schenectady, N. York. |
| Stirrups for saddles - | " 3, | Daniel Adams | Keene, Cheshire co. N. H. |
| Mode of propelling boats or vessels - | " 3, | Wm. J. Lewis | Virginia. |
| Anti-friction bush for sheaves in blocks | " 6, | James Rudder | Norfolk, Virginia. |
| Double speeder for winding cotton - | " 6, | William Hines | Coventry, R. Island. |
| Improvement in the cooking stove - | " 6, | Palmer Jenkins | Hepborn, Washington co. |
| | | | New York. |
| Improvement in the printing press - | " 8, | John J. Wells | Hartford, Connecticut. |
| Upright stove boiler - | " 19, | Thomas E. Barker | Green Co. New York. |
| Mode of producing alternate lateral motion | " 19, | Nathan Moody | Hallowell, Kennebec Co. |
| | | | Massachusetts. |
| Sheet iron shovel for barns, &c. - | " 19, | John Brower | Berk's Co. Penn. |
| Improvement on the rifle or plain barrel gun | " 19, | Artemas Wheeler | Massachusetts. |
| Pump for air or water - | " 20, | James Barron | Hampton, Vir. |

LIST OF PATENTS—Continued.

| INVENTIONS. | When issued. | NAMES OF PATENTEES. | RESIDENCE. |
|---|--------------|-------------------------------------|----------------------------------|
| | 1819. | | |
| Stamped paper carpets - - - | " 23, | Francis Guy | Baltimore. |
| Improvement in the steelyard - - - | " 27, | Jacob Bartholomew | Middlebury, Vermont. |
| Chesnut tree, or castanea visca, used for tanning | " 26, | William Sheldon | Springfield, Mass. |
| Machine for hulling grain and rice - - - | " 26, | Ben. Maltby and Maltby by Fowler | New Haven, Con. |
| Boiler for distilleries - - - | " 27, | Thomas Pierce | Hartwick, Otsego co. N. Y. |
| Progressive lever press - - - | " 27, | Jacob Perkins | Philadelphia. |
| Machine for shearing cloth - - - | March 2, | Seth Parsons | Kooseck, Renselaer Co. |
| Printing by means of rollers - - - | " 11, | Burgess Allison and Wm. Elliot | N. York. |
| Improvement in the gun or rifle - - - | " 16, | Obediah Stith | Washington City, D. C. |
| | | | Quarrelstown, Brunswick Co. Vir. |
| Improvement in distilling - - - | " 18, | James Caze | New York. |
| Winnowing machine - - - | " 18, | Horatio Watkins | Washington Co. Md. |
| Fire hearth range or galley - - - | " 19, | George Youle | New York. |
| Improvement in the balance - - - | " 24, | Benjamin Dearborn | Boston. |
| Elastic seat saddles - - - | April 2, | William Harper | Nashville, Tenn. |
| Double speeder for roping cotton, &c. - - - | " 3, | Paul Moody | Boston. |
| Mode of propelling boats - - - | " 3, | James Lyon | Statesburgh. |
| Brick making machine - - - | " 8, | Adam Stewart | Baltimore. |
| Machine for clearing obstructed channels - - - | " 12, | Cha's Thompson Baker | Providence, R. I. |

| | | | | | |
|--|---|---|----------|------------------------|-------------------------|
| Machines for making tin ware | - | - | " 23, | Seth Peck | Southington, Con. |
| Apparatus for making mineral waters | - | - | " 23, | Samuel Fahnestock | Lancaster, Penn. |
| Balance or fly wheels, applied to machinery | - | - | " 26, | John Ordronau | New Haven, Con. |
| Improvement in pumps | - | - | " 26, | Job L. Munson | Charleston, S. C. |
| Springs for carriages | - | - | " 30, | George Norton Reynolds | Do. |
| Moveable axle, improvement on the | - | - | " 29, | Do. | Richmond, Vir. |
| Improvement on the tobacco press | - | - | " 30, | Edmund Brown | Albany, N. Y. |
| The use of hemlock in tanning | - | - | " 30, | John Lansing, jun. | Boston. |
| Spinning frame for cotton | - | - | May 6, | Paul Moody | Ashford, Windham Co. |
| Corn shelling machine | - | - | " 6, | Walter Janes | Con. |
| Imp't in manuf'g sprigs, nails, brads, clouts, &c. | - | - | " 17, | Roswell Noble | Baltimore. |
| Making sugar from wheat, rye, &c. | - | - | " 25, | James Wisheart | Wayne Co. Indiana. |
| Improvement in the rotary steam engine | - | - | " 26, | Antoine Batby | New York. |
| Raising water by steam for mills | - | - | " 29, | John Ambler | Berlin Co. N. York. |
| Improvement in the tube auger | - | - | " 29, | Robert Thomas | Richmond Co. N. C. |
| Compost for improving soils | - | - | June 2, | Anthony B. Martin | Baltimore. |
| Hat rounder and hat guage | - | - | " 2, | Samuel Jones | Bridgeport, Fayette Co. |
| Mode of heating plates for hot-pressing | - | - | " 15, | Moses A. Quigley | Penn. |
| Machine for manufacturing snuff | - | - | " 22, | Thomas Baldwin | Washington Co. Md. |
| Improvement in the velocipede | - | - | " 26, | Wm. K. Clarkson, junr. | New Castle, Del. |
| Making saddles without saddle-trees | - | - | July 16, | Peter Dixon | New York. |
| Machine for dicing and polishing leather | - | - | " 22, | Lemuel Hedge | Philadelphia. |
| Carbonated mead | - | - | " 28, | James Heaton | Windsor, Ver. |
| Construction of engines generally | - | - | " 31, | Jacob Idler | New York. |
| Machine for cleaning wheat, &c. from smut | - | - | " 31, | Ephraim Tisdale | Philadelphia. |
| Improvement on close and open fire-places | - | - | Aug. 19, | John C. Brush | Warren Co. N. York. |
| Instrument for measuring heights and distances | - | - | " 20, | Benjamin Wilmer | Washington, D. Col. |
| | | | | | Baltimore. |

| INVENTIONS. | When issued. 1819. | NAMES OF PATENTEES. | RESIDENCE. |
|--|-----------------------|----------------------|--------------------------------------|
| Glass instead of metallic strings for piano fortes | " 21, | Richard Bury | Albany, N. York. |
| Welding cast steel to iron, &c. - - | " 21, | Daniel Pettibone | Boston. |
| Granulating gun powder - - - | " 21, | Gardiner Fulton | Philadelphia. |
| Improvement in mail coaches, &c. - - | " 26, | Simeon Draper | Brookfield, Worcester Co. Mass. |
| Teaching music by means of a dumb instrument | " 30, | George Geib | New York. |
| In producing the swell in keyed instruments - | " 30, | Charles Pommer | Philadelphia. |
| Improvement in the plough - - - | Sep. 1, | Jethro Wood | Poplar Ridge, Cayuga Co. N. York. |
| Machine for turning gun stocks, &c. - - | " 6, | Thomas Blanchard | Middlebury, Mas. |
| Water proof stiffening for hats - - - | " 23, | Johan Heinric Tilge | Washington, D. Col. |
| Machine for cutting combs - - - | Oct. 14, | David E. Noyes | Philadelphia. |
| Improvement on locks for canals - - - | " 19, | Josiah White | Philadelphia. |
| Machine for cutting combs - - - | " 28, | Nison Foot | Philadelphia. |
| Do. - - - | Nov. 3, | Benjamin Haskell | Paris, France. |
| Conveying the true pronunciation of syllables | " 3, | Jacob A. Cummings | Boston. |
| Composition for ships' bottoms - - - | " 8, | William Russell, jr. | New Bedford, Mas. |
| Mode of cleaning streets, roads, &c. - - | " 10, | John Tucker | New York. |
| Casting balls, shot, &c. of lead - - - | " 10, | Daniel Pettibone | Philadelphia. |
| Improvement in the plough - - - | " 11, | Cornelius Bergen | Brooklyn, N. York. |
| Inclined circular plane - - - | " 17, | Moses Isaacs | New York. |

| | | | | | | |
|---|---|---|---|---------|--|-------------------------------------|
| Machine for making paper | - | - | - | Dec. 2, | John B. Pignatelli | New York. |
| Improvement in clocks | - | - | - | " 8, | Simon Willard | Boston. |
| Method of shoeing sledges, sleds, sleighs, &c. | - | - | - | " 13, | William Barton | New York. |
| Improvement in the Archimedian screw | - | - | - | " 14, | James Cooper | Augusta County, Va. |
| Improvement in the apparatus for distilling | - | - | - | " 14, | Frederick Kalisky | Philadelphia. |
| Machine for shearing cloth | - | - | - | " 15, | Elihu Hotchkiss and Aaron Jaque | Brattleboro', Vermont. |
| Improvement in the churn | - | - | - | " 15, | John Hale | Hillsboro' New Ham. |
| Rockers for cradles, chairs, &c. | - | - | - | " 21. | Samuel Simmons | Baltimore. |
| Machine for boring holes in posts | - | - | - | " 21. | James Corbett | Hanover, Penn. |
| Straw cutting machine | - | - | - | " 21. | Lemuel Greene | Green Co. Georgia. |
| Imp't in making brushes from broom corn | - | - | - | " 21, | Bezaleel Croasdale | Byberry, Penn. |
| Improvement in making razor strops | - | - | - | " 24, | Jonas Crumbacker | Union, Fred. Co. Md. |
| Method of hanging bells | - | - | - | " 24, | Anthony Lynar | New York. |
| Imp't in the art of hollowing out iron bars | - | - | - | " 24, | Thomas Rowand | Gloucester Co. Penn. |
| Imp't in the double forcing pump | - | - | - | " 31, | Wm. Baker | Springfield, Otsego Co. N. York. |
| Imp't in the art of weaving | - | - | - | " 31, | Jeremiah H. Pierson and Jas. H. Simmons | Hempstead, Rockland Co. N. York. |
| Imp't in the guage plate for making readies for ropes, &c. | - | - | - | " 31, | Robert Graves | Boston. |

NOTE. This list of patents falls short of the usual number, one half; for the inventors find it useless to obtain patents for sale, while there is no money to purchase them, as their time would expire in vain: they therefore have only prepared their papers, and entered them as caveats; of which there are, on the list in the Patent Office, about three hundred; besides some hundred deposits of papers not yet prepared for patents.

WILLIAM THORNTON, *Sup. Patent Office.*



LETTER

FROM

THE SECRETARY OF STATE,

TRANSMITTING

A LIST OF THE NAMES OF PERSONS

TO WHOM

PATENTS HAVE BEEN ISSUED,

FOR

ANY USEFUL INVENTION,

DURING THE YEAR 1820.

JANUARY 5, 1821.

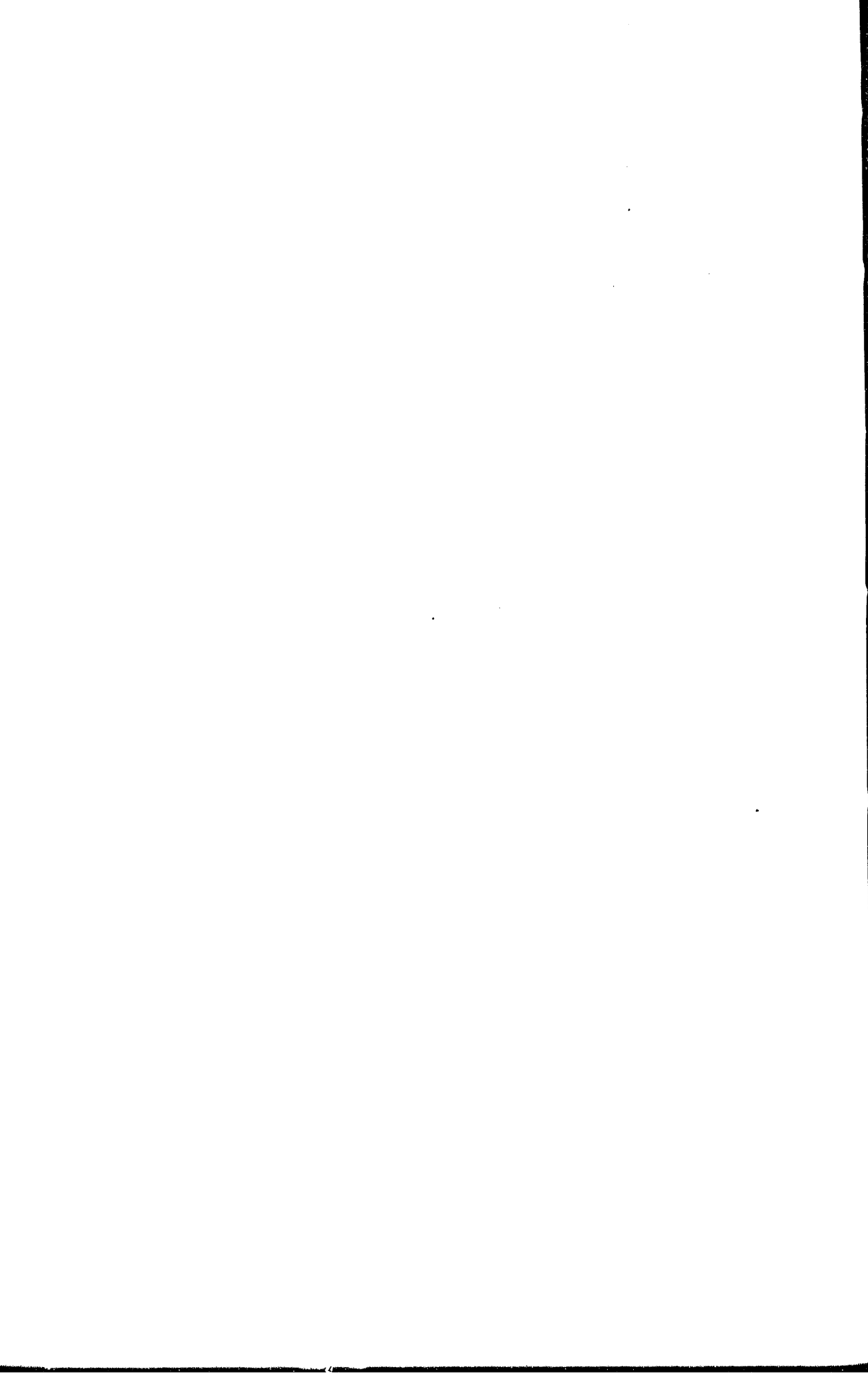
Read, and ordered to lie on the table.

WASHINGTON:

PRINTED BY GALES & SEATON.

1821.

AM. PHOTO-LITHOGRAPHIC CO. N.Y. (GISHORNE'S PROCESS)



DEPARTMENT OF STATE,*January 1st, 1821.*

SIR: In pursuance of the resolution of the House of Representatives of the United States, dated the 13th of January, 1812, I have the honor of transmitting a list of the names of persons who have invented any new or useful art or machine, manufacture, or composition of matter, or any improvement thereon, and to whom patents have been issued for the same, from this office, from the 31st day of December, 1819, to the 1st of January, 1821, with the dates and general objects of such patents; and, also, the residences of the patentees, as far as they could be ascertained.

JOHN QUINCY ADAMS.

To the honorable the **SPEAKER**

Of the House of Representatives of U. S.



LIST OF PATENTS, &c.

| INVENTIONS. | When issued | NAMES OF PATENTEES AND THEIR PLACES OF RESIDENCE. |
|---|-------------|---|
| | 1820. | |
| Improvement on bridges | Jan. 4 | John Bragg, Montreal, Canada. |
| Bread finisher | 10 | Ephraim Treadwell, Philadelphia. |
| Machine for making ropes, &c. | 10 | Eleazer Crain, Springfield. |
| Casting or moulding spermaceti candles by heat applied to the moulds | 14 | Wm. W. Swain, New Bedford, Massachusetts. |
| Mortice water lock gate. | 15 | Wm. Martin, Windham county, Connecticut. |
| Improvement in railways and carriages | 18 | Charles Williams, Richmond, Virginia. |
| Machine for washing, drying, and screening wheat | 18 | Sam'l Martin and Zadock Chapin, Ontario county, New York. |
| Raising the power of steam in steam engines without increasing the quantity | 22 | Charles Leek, Ross county, Ohio. |
| Apparatus for towing boats on canals, &c. | 24 | Peter Cooper, New York. |
| Bridges, improvement on | 28 | Ithiel Town, Fayetteville, North Carolina. |
| Apparatus for preparing the oxy muriate of lime | 28 | Jonas Kendall, Lincoln, Worcester county, Mass. |
| Coating for ships' bottoms | 29 | James Russell, New Bedford, Massachusetts. |
| Water proof cement | Feb. 1 | Canvas White, White's town, Oneida co. N. Y. |
| Elastic water proof hats | 17 | Arnold Buffum and Jer. Kelly, Smithfield, R. I. |
| Making spruce beer | 17 | John Williams, Cambridge, Middlesex, Mass. |
| Elastic seat saddles | 23 | Peter H. Martin, Nashville, Tennessee. |
| Cooking stove | 23 | Israel Keyes, Putney county, Vermont. |
| Plough, improvement in the | March 3 | Ph. Marshall and Jacob B. Smith, Lambertsville, New Jersey. |

LIST OF PATENTS—Continued.

| INVENTIONS. | When issued. | NAMES OF PATENTEEES AND THEIR PLACES OF RESIDENCE. |
|---|--------------|--|
| | 1820. | |
| Ship building, improvement in | March 6 | Abel Brewster, Hartford, Connecticut. |
| Fire places, improvement in | 6 | Elijah Griffiths, Philadelphia. |
| Hollow or guttered grid irons | 6 | Thomas Mussey, New London, Connecticut. |
| Wind power pump | 8 | Heman Bronson, Kent county, Litchfield, Con. |
| Construction of privies, improvement in | 16 | Marc Marie Duplat, Charleston, S. C. |
| Circular saw for making clap boards | 16 | Rob't Eastman and Josiah Jaquith, Brunswick, Massachusetts. |
| Fire hearth, &c. for vessels | 18 | John Lamb, Amboy, New Jersey. |
| Coffee roaster, improvement in | 20 | Peregrine Williamson, Baltimore. |
| Tobacco press, improvement in the | 23 | Simon Fraser, Nottingham, Maryland. |
| Apparatus for removing earth | 23 | Ichabod L. Skinner and Sam'l F. Tooker, Hartford, Connecticut. |
| Fire engine, improvement in the | 28 | Ebenezer Bryant, New London, Connecticut. |
| Locks, improvement on | April 4 | Henry and Jacob Day, New York. |
| Boiling salt, improvement in | 4 | Osborn Parsons, Pittsburg, Pennsylvania. |
| Manner of using the twisted screw auger for boring guns | 4 | Wm. Holmes, Winchester, New Hampshire. |
| Making shaded letters | 4 | George Bruce, New York. |
| Machine for knapping and brushing up cloth | 4 | John Byram and Sylvanus D. Fuller, Mendam county, New Jersey. |
| Common hoe, improvement on the | 6 | Pardon H. Merrill, Hinsdale, Cheshire co. N. H. |

| | | | | |
|---|---|---|--------|---|
| Double forcing pump, improvement on the | . | . | 8 | Sena Gillett, (adm. of Sam'l Gillett) Windsor, Con. |
| Heleogeastrum, or planetarium | . | . | 12 | Theodore Newell, Poultney, Rutland county, Ver. |
| Improved application of steam or vapor in extract- ing spirits and working steam engines | . | . | 20 | Richard Wilcox, New York. |
| Portable rotary oven | . | . | 20 | Do. Do. |
| Brewing by steam | . | . | 21 | Harvey Hackley, New York. |
| Splitting leather | . | . | May 3 | Ephraim Howard and Joshua Butters, Boston. |
| Machine for excavating canals | . | . | 3 | Ichabod L. Skinner, Hartford, Connecticut. |
| Machine for making watch chains | . | . | 4 | Samuel Keplinger, Baltimore. |
| Hominy mill | . | . | 8 | Nathan Read, Belfast, Maine. |
| Cooking stove, improvement in the | . | . | 23 | Nathan Winslow, Portland, Maine. |
| Towing boats, &c. improved mode of | . | . | 24 | Samuel Howard, Savannah, Georgia. |
| White wash brush, improvement on the | . | . | June 2 | Elijah S. Curtis, Charlestown, Massachusetts. |
| Machine for making watch chains | . | . | 5 | John Hatch, Baltimore. |
| Machine for turning gunstocks, &c. | . | . | 15 | Azariah Woolworth, Waterbury, Connecticut. |
| Composition for cleansing and preserving teeth | . | . | 17 | Levi Spear Parmly, New York. |
| Family pills, improvement on his | . | . | 17 | Daniel Coit, New York. |
| Floating wharfs for catching fish | . | . | 24 | Asael Bailey, Havre de Grace, Maryland. |
| Water wheel, improvement on the | . | . | July 5 | Elisha Hall, Baltimore. |
| Currying knife, improvement in the | . | . | 6 | Daniel Tomlinson, Brookfield, Connecticut. |
| Ploughs, improvement in | . | . | 6 | John W. Jenkins, Hudson, New York. |
| Machinery for the purpose of gaining power | . | . | 11 | Charles Redheffer, Philadelphia. |
| Balance lever hydraulic machine | . | . | 18 | Daniel Fisk, Springfield, Otsego county, N. Y. |
| Linen spinning wheel | . | . | 20 | Benjamin Simmons, Paris, Oneida county, N. Y. |
| Machine for draw grinding gun barrels | . | . | 28 | Tho. Dakin, Harper's Ferry, Virginia. |
| Plough, improvement in the | . | . | 28 | Jno. S. Wright, Greenwich, Washington co. N. Y. |
| Machine for hulling grain and rice | . | . | 28 | Mallby Fowler, New Haven, Connecticut. |
| Instrument for mapping lands, &c. | . | . | Aug. 3 | James Deneale, Dumfries, Virginia. |
| Spiral helm wheels | . | . | 3 | Robert P. Cunningham, Pomfret, Connecticut. |

LIST OF PATENTS—Continued.

| INVENTIONS. | When issued. | NAMES OF PATENTEES AND THEIR PLACES OF RESIDENCE. |
|--|--------------|---|
| | 1820. | |
| Machinery for passing boats up rapids . . . | Aug. 12 | Lemuel Thwing, Dedham, Massachusetts. |
| Locks and latches, improvement on . . . | 12 | Harvey Durkee, (assignee of J. Chittenden) Burlington, Vermont. |
| Making ingrained carpeting . . . | 12 | John and Nicholas Haight, New York. |
| Washing machine, improvement on the . . . | 15 | Benj. Cox, Hadley, Hampshire county, Mass. |
| Wire rolling sifters or screens . . . | 16 | Nathan Sellers, Philadelphia. |
| Smut machine, improvement on the . . . | 23 | Jas. Gillaspie, Middletown, Frederick co. Md. |
| Circular open stove or fire place . . . | 31 | Richard Berrian and Frs. Class, New York. |
| Weighing machine, improvement on the . . . | Sept. 7 | Eli Wadsworth, Hartford, Connecticut. |
| Construction of clocks, &c. improvement in the . . . | 13 | Jas. Henry, Maysville, Kentucky. |
| Improvement in the mode of finding the longitude . . . | 13 | Do. Do. |
| Double shovel plough, improvement on the . . . | 20 | John Ballthirope, Loudon county, Virginia. |
| Plough, improvement in the . . . | 13 | Robert L. and Edwin A. Stevens, Hoboken, N. J. |
| Wheel for propelling boats, &c. . . | Oct. 2 | James Prince, New York. |
| Knapping hats with rabbits' fur . . . | 2 | David Evans, Alexandria, Virginia. |
| Common sewer mouth, improvement on the . . . | 3 | Alexander Ramsey, Philadelphia. |
| Cock, improvement on the common . . . | 4 | Ebenezer Hubball, Baltimore. |
| Machine for spinning cotton yarn . . . | 4 | Wm. Bald, jun. Providence, R. I. |
| Water wheels, improvement in . . . | 10 | David Beauchamp, Elizabethtown, Wood county, Virginia. |
| Machine for cleaning rice, &c. . . | 19 | Rich'd French, Morrisville, Bucks co. Penn. |

Power loom, improvement in the . . .
 Machine for breaking bark, &c. . .
 Baking or burning pans, improvement in . . .
 Valve cock, improvement on the . . .
 Machine for sweeping chimneys . . .
 Swinging horse frame for facilitating the shoeing
 of horses . . .
 Plough, improvement in the . . .

 Windmill, improvement in the . . .
 Bee-hives, improvement in . . .
 Making saddles, improvement in . . .
 Winnowing machine, improvement in the . . .
 Finishing leather, machine for . . .
 Improved mode of drawing yarns and forming them
 into readies . . .
 Mode of laying cordage, &c. . .
 Machine for equalizing the strain upon yarns, &c.
 Machine for propelling vessels . . .
 Machine for making ram rods . . .
 Improvement in medicine . . .
 Improvement in the manufacture of wooden pegs for
 boots and shoes . . .
 Improvement on the double speeder, No. 1 . . .
 do. do. No. 2 . . .
 do. do. No. 3 . . .
 do. do. No. 4 . . .
 do. do. No. 5 . . .
 Combination of improvements on the double speeder

Oct. 28 Wm. Gilmore, Smithfield, Providence, R. I.
 31 Nathan Sears, Hudson, New York.
 Nov. 7 Wm. Burtus, New York.
 8 John Cluley and Benj. Slancliff, Philadelphia.
 8 Samuel S. Edmonston, New York.

 8 Joseph Kirk, Weston, Windsor co. Vermont.
 9 Charles Wood and Gilbert Brundage, Blooming-
 grove. Orange county, New York.
 14 Pierre Etienne, New York.
 16 Edward Blake, Hartford county, Maine.
 16 Elihu Walker, Aurora, Niagara county, N. Y.
 24 Josiah Brown, New London.
 24 Jas. Burr, Johnstown, Montgomery county, N. Y.

 22 Robert Graves Boston.
 22 do. do.
 22 do. do.
 22 John James Giraud, Baltimore.
 21 Chas. Chauncey Barstow, Exeter, N. H.
 24 Lorenzo Dow, Hebron, Connecticut.

 24 Thos. Rowell, Hartford, Windsor county, Ver.
 Dec. 7 Jonathan Fiske, Medway, Massachusetts.
 7 do. do.
 8 do. do.
 8 do. do.
 8 do. do.
 7 do. do.

LIST OF PATENTS—Continued.

| INVENTIONS. | When issued. | NAMES OF PATENTEES AND THEIR PLACES OF RESIDENCE. |
|---|--------------|---|
| | 1820. | |
| Machine for dowelling heading for cooperage . | Dec. 11 | Ralph Hunt, Ontario county, New York. |
| Imp't in raised banding and ornamental binding . | 12 | Douw K. Van Vechten, New York. |
| Cast iron plough, improvement in the . . . | 14 | John Seaver and John Fay, Rockingham, Ver. |
| Application of the oil of cotton seed for all the purposes of linseed oil | 16 | George P. Digges, Albemarle county, Virginia. |
| Iron boats for navigating rivers, &c. | 21 | Thos. J. Bond, Baltimore. |
| Improvement in the double speeder | 30 | Paul Moody, Waltham, Massachusetts. |
| Improvement in sleighs | 30 | Jacob, Fisher, Kennebeck, Maine. |
| Improvement in the reel for spinning and making tobacco | 30 | Samuel and Enoch Hardy, Kennebeck, Maine. |
| Improvement in the current and tide mill | 30 | Henry Allen, Fayette county, Tennessee. |
| Improvement in the application of steam | 30 | Aaron Niles Sabin, Frankfort, Kentucky. |

LETTER

FROM

THE SECRETARY OF STATE,

TRANSMITTING

A LIST OF THE NAMES OF

Persons to whom Patents have been issued

FOR ANY

*New or useful Art, or Machine,***MANUFACTURE, OR COMPOSITION OF MATTER,**

OR IMPROVEMENT THEREON,

For one year, prior to the 1st January, 1822.

JANUARY 8, 1822.

Ordered to lie on the table.

WASHINGTON :

PRINTED BY GALES & SEATON.

1822.

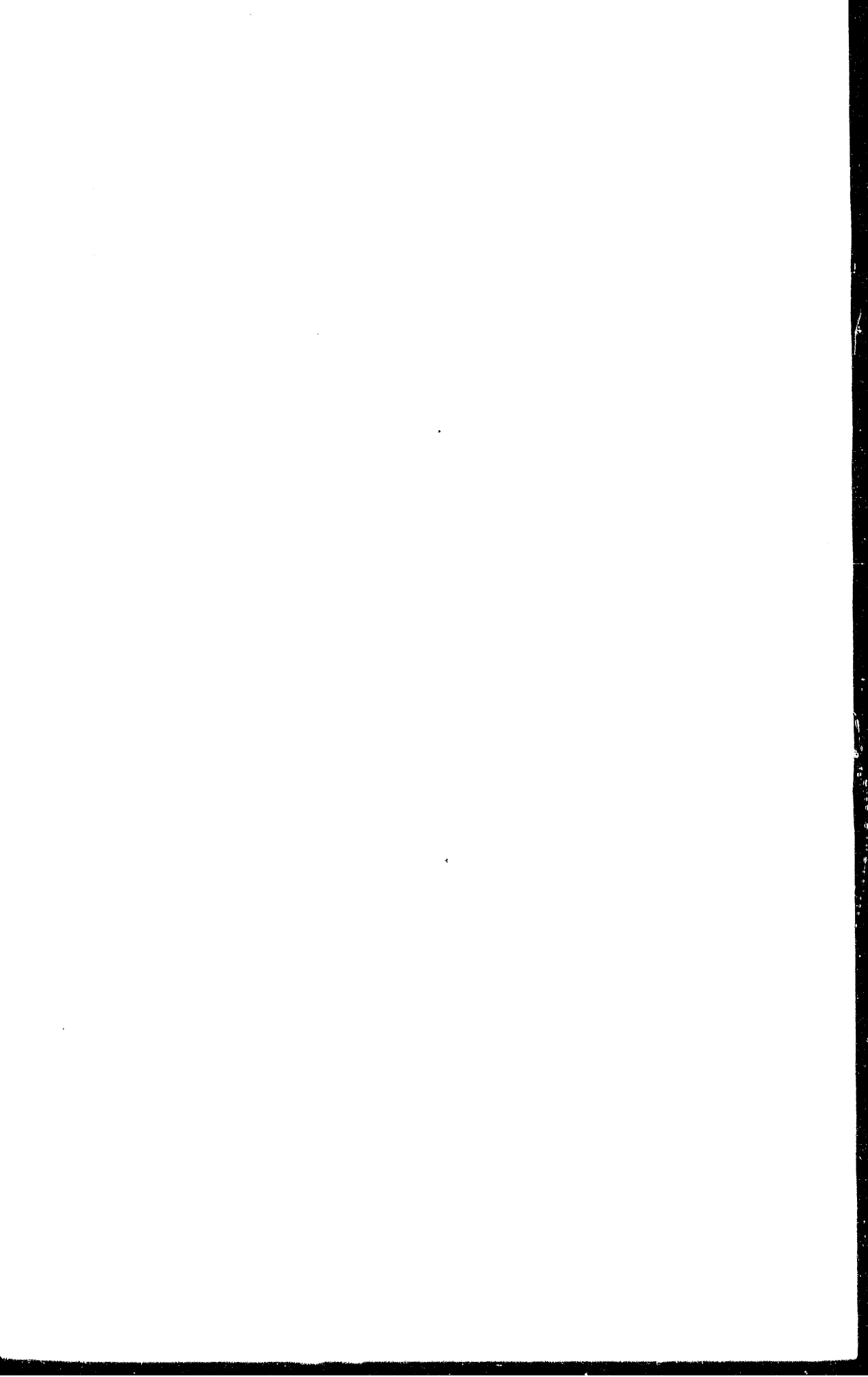
DEPARTMENT OF STATE,

1st January, 1822.

SIR: In pursuance of the resolution of the House of Representatives of the United States, dated the 13th of January, 1812, I have the honor of transmitting a list of persons who have invented any new or useful art, or machine, manufacture, or composition of matter, or any improvement thereon, and to whom patents have been issued for the same from this office, from the 1st day of January, 1821, to the 1st day of January, 1822, with the dates, and general objects of such patents, and, also, the residence of the patentees, as far as they could be ascertained.

JOHN QUINCY ADAMS.

To the Honorable the **SPEAKER**
of the House of Representatives.



A List of Patents for one year, prior to the 1st January, 1822.

| Inventions. | When Issued. | Names of the Patentees. | Residence. |
|---|--------------|-------------------------------|------------------------|
| | 1821. | | |
| Improvement in machinery for propelling boats | Jan. 3 | John James Giraud | Baltimore |
| Improvement in the machine for cutting dye woods | 10 | Elijah Converse | Dayton, Montgomery co. |
| Improvement in the machine for roping cotton | 19 | Paul Moody | Boston. [Ohio. |
| Improvement in the machine for roping and spinning wool and cotton by hand - - - | 23 | John Brown | Providence, R. I. |
| Paste for razor straps - - - | 24 | Elisha Miner Pomeroy | New Haven, Conn. |
| Machine for shelling corn - - - | 26 | H. Rosevelt, & E. J. Rosevelt | New York. |
| Improvement in the harness for weaving - | 26 | M. Chandler & E. Brown | Cazenovia, New York. |
| Imp't in the plough, being a shifting share - | Feb. 1 | John Wood | Castleton, New York. |
| Machine for laying cordage - - - | 1 | Robert Greaves | Boston. |
| Mode of applying dry metallic and colored powders to type printing - - - | 1 | George John Newberry | New York. |
| Machine for opening the mould of glass blowers | 2 | Deming Jarves | Boston. |
| Improvement in the horizontal pedal water wheel and perpendicular pivot - - - | 5 | John James Giraud | Baltimore. |
| Machinery for gearing and ungearing the paddle wheels for propelling all kinds of vessels - | 9 | B. S. Doxey | U. S. Navy, Baltimore. |
| Water proof cement - - - | 17 | Canvass' White | Whitestown, New York. |
| Vibrating steam engine - - - | 17 | Phineas Davis | York, Penn. |
| Machine for roping and spinning cotton - | 19 | Paul Moody | Boston. |
| Machine for roping cotton, called the double speeder | | do | do |

List of Patents—Continued.

| Inventions. | When Issued. | Names of the Patentees. | Residence. |
|---|--------------|-------------------------|----------------------------|
| | 1821. | | |
| Spinning frames for cotton - - - | Feb. 19 | Paul Moody | Boston. |
| Foot gin for cleaning cotton - - - | 20 | Wm. Gould | M'Intosh co. Georgia. |
| Lever press - - - - - | 20 | Thatcher Blake | Turner, Oxford co. Maine. |
| Machine for shearing cloth - - - | 20 | Zachary Cary | Oxford co. Maine. |
| Making mantel-pieces of cast iron or other soft metal - - - - - | 21 | Isaac Deavs | Philadelphia. |
| Mode of cleaning furs, wool, &c. - - - | 21 | Daniel Vail | do |
| Imp't in lamps for burning fat, &c. - - - | 20 | Josiah Warren | Cincinnati, Ohio. |
| Fire-fenders to prevent the spread of fires - - - | 27 | Elisha Ruggles | Rochester, Mass. |
| Improvement in the hydrometer - - - | 28 | Elijah Southworth | New York. |
| Dry scouring clothes - - - - - | March 3 | Thomas L. Jennings | do |
| Cutting boots and shoes by rule - - - | 3 | Simeon Hart | Monkton, Vermont. |
| Imp't in the crank, called the anti-friction crank - - - | 9 | Benjamin L. Oliver | Salem, Mass. |
| Making aqueduct pipes - - - - - | 19 | Thomas B. Robbins | Stockbridge, Mass. |
| Machine for making cotton roping - - - | 23 | Silas Shepard | Taunton, Bristol co. Mass. |
| Bridle for stopping horses when running away - - - | 20 | Peter Laporte | Louisa co. Virginia. |
| Machine for dipping candles - - - - - | 20 | John Aborn | Burlington co. N. Jersey. |
| Machine for planting corn - - - - - | 20 | Andrew Cock | Flushing, Queens co. N. Y. |
| Imp't in hooping or tireing carriage wheels - - - | 20 | Russel Hunt, 2d | Litchfield co. Conn. |
| Spiral lever press - - - - - | 21 | Abm. O. Stansbury | New York. |
| Improved top sled for cordage - - - - - | 28 | Robert Greaves | Boston. |
| Improvement in the steam engine - - - - - | 23 | Minas Ward | Columbia, Ohio. |

| | | | | | |
|--|---|---|---------|--------------------------|------------------------------|
| Improved machine for shelling corn | - | - | 28 | Noah Lindsay | Catskill, New York. |
| Machine for protecting firemen | - | - | 29 | Ralph Bulkley | New York. |
| Machine for threshing and cleaning grain | - | - | 30 | James Gregg | Londonderry, N. H. |
| Improvement in boats for rivers | - | - | April 3 | N. C. Dawson & A. Rucker | Pedlar's Mills, Amherst |
| Imp't in warping, dressing, &c. cotton goods | - | - | 5 | James Morgan | Baltimore. [co. Va. |
| Improved printing press | - | - | 7 | Abm. O. Stansbury | New York. |
| Machine for sifting sand, lime, &c. | - | - | 14 | Evariste Blanc, jun. | New Orleans. |
| Improved fanning mill, for grain, &c. | - | - | 16 | Daniel Donoghoe | New York. |
| Land clearing machine | - | - | 18 | Thomas Oxley | Norfolk, Va. |
| Linen spinning wheel head | - | - | 19 | Jared S. Stewart | Springfield, Otsego co. N.Y. |
| Imp't in the construction of cast iron ploughs | - | - | 23 | R. L. & E. A. Stevens | Hoboken, N. J. |
| Hardening the edge of plough shares | - | - | 23 | do | do |
| Improvement in the riding saddle | - | - | 25 | Peter Dixon | Philadelphia. |
| Improvement in distilling spirits | - | - | 27 | Robert Blaikie | New York. |
| Improvement in propelling horse boats | - | - | May 1 | Barnabas Langdon | Troy, New York. |
| Improvement in the carding machine | - | - | 2 | Joshua Woodard | Portage co. Ohio. |
| Improvement in the printing press | - | - | 13 | Samuel Rust | New York. |
| Improvement in carpenters' planes | - | - | 14 | R. Wellford & J. H. Deas | Philadelphia. |
| Machine for making bricks | - | - | 17 | Seth Belknap | Newbury, New York. |
| Machine for winding quills | - | - | 23 | Francis Jones | New York. |
| Improved fire engine hose | - | - | 30 | James Boyd | Boston. |
| Machine for pulverizing wood | - | - | June 2 | Alexander Tolson | Georgetown, D. C. |
| Improvement on Morrison's spigot and faucet | - | - | 4 | Jonathan Bliss | Philadelphia. |
| Improvement in fire irons | - | - | 8 | Richard Willingham | New York. |
| Mode of marking and cutting out clothes | - | - | 16 | Allen Ward | Huntsville, Alabama. |
| Mode of packing thread | - | - | 20 | Reuben Langdon | Hartford, Conn. |
| Improvement in the liquor fount | - | - | 25 | John Douglass | New York. |
| Improvement in the hay rake | - | - | 25 | Th. C. Hance | Palmyra, New York. |
| Improvement in fulling cloth | - | - | 26 | Ross Winans | Warwick, Orange co. N.Y. |

List of Patents—Continued

226

| Inventions | When Issued. | Names of the Patentees. | Residence. |
|--|--------------|---------------------------------|--------------------------|
| | 1821. | | |
| Imp't in the water boiler and steam still - | June 26 | Stephen Stillwell | Bainbridge, N. Y. |
| Improvement in the valve cock - - | 29 | Frederick D. Sanno | Philadelphia |
| Improvement in staining and printing silks - | 29 | Thos. and Wm. Bryan | New York |
| Navigable mercantile house - - - | July 7 | Roger Haskell | Geneva, New York |
| Improvement in manufacturing sail duck - | 9 | Josiah Chapman | Frankford, Penn. |
| Improvement in travelling carriages - - | 8 | George H. Richards | New London, Conn. |
| Machine for cutting gun trucks - - - | August 6 | Robert Rose | Washington, D. C. |
| Perpetual proof still - - - - | 6 | Baltazar Ignace Kallen- back | Philadelphia |
| Oblique water wheel - - - - | 7 | Ralph Bulkley | New York |
| Improvement in the steam wheel - - - | 8 | Amos Thayer, jun. | Albany, New York |
| Imp't in the machine for sweeping chimneys | 8 | John W. Moore | Washington, D. C. |
| Improvement in the mud machine - - - | 9 | John Eveleth | Georgetown, D. C. |
| Inclined wheel applied to churning - - | 10 | G. F. Reeve and Jos. Ketcham | Orange County, N. Y. |
| Smut and scouring machine - - - - | 10 | Frederick Woodward | Butternuts, Otsego co. |
| Braiding machine - - - - | 10 | John Thorp | Providence, R. I. [N.Y.] |
| Manufacturing sail cloth - - - - | 10 | James Richards | Patterson, N. J. |
| Anti-dyspeptic pills - - - - | 7 | George Smith | New York |
| Machinery for setting up hats - - - | 11 | Joseph Grant | Providence, R. I. |
| Machine for mincing whale's blubber - | 11 | Benjamin Taber | Fairhaven, Mass. |
| Machine called the vertical spinner - - | 11 | John Brown | Providence, R. I. |

Imp't in the manufacture of boots and shoes -
 Curing blindness in horses - - -
 Improvement in lamps - - -
 Improvement in the saw mill - - -
 Machine for teazling and napping cloth -
 Improvement in the cast iron plough -
 Improvement in making saddles - - -
 Improvement in dry docks - - -
 Portable ice preserver - - -
 Imp't in the machine for spinning wool, &c. -

 Machine for raising water by weights -

 Improvement in the threshing machine -
 Machine for cutting and heading nails -
 Improvement in the apparatus for distilling -
 Improvement in the cast iron plough -
 Imp't in the machine for threshing and cleaning
 rice - - - -
 Imp't on the machine for cutting and heading
 nails - - - -
 Repeating rifle - - - -
 Improvement in cocks for drawing liquor -
 Water cement - - - -
 Improvement in making candles - - -
 Improvement in the razor strop - - -
 Right and left chain wheel - - -
 Preventive for smoking chimneys - - -
 Machine for cleaning rice, &c. - - -

14 Daniel Peck
 14 Joseph Sater
 15 James Duke
 16 John Bruff
 24 Aaron Foster
 27 Obadiah Seely
 28 John J. Morris
 28 Ralph Bulkley
 28 Enoch Powers
 30 Wm. Bushnell & J. Al-
 toffer
 30 J. Altoffer & Wm. Bush-
 nell
 Sept. 1 Benjamin Cumings
 5 Thomas Morgan
 12 Henry F. Fisher
 13 Wm. Falconner

 15 Michael Morrison

 15 George Thompson
 22 Isaiah Jennings
 24 Jonathan Bliss
 26 David M. Randolph
 29 Francis Fuller
 Oct. 2 John M. Fors
 8 Ralph Bulkley
 8 Frederick Crey
 12 Lazarus Ruggles

New York
 Huntsville, N. C.
 New York
 Somerset co. Md.
 Whitestown, N. Y.
 Pottstown, N. Y.
 New York
 do
 Hartford, Conn.

 Harrisburg, Va.

 do
 Brooklyne, N. H.
 Hempstead, N. Y.
 Philadelphia
 New York

 Waterbury, Conn.

 Philadelphia
 New York
 do
 Richmond, Va.
 New York.
 Baltimore.
 New York.
 Baltimore.
 New York

List of Patents—Continued.

| Inventions. | When Issued. | Names of Patentees. | Residence. |
|--|--------------|---------------------------|------------------------|
| | 1821. | | |
| Machine for packing cotton - - - | Oct. 12 | John Cooke | Fayetteville, N. C. |
| Stove bottom boiler - - - - | 15 | Benjamin Simonds, jun. | Bedford, Mass. |
| Oven door flue - - - - | 15 | do | do |
| Improvement in chains for cables - - | 29 | Isaiah Jennings | New York. |
| Improvement in floating dry docks - - | 30 | Edward Covenhoven | Greenburgh, N. Y. |
| Improvement in bedsteads - - - - | 31 | Daniel Powles | Baltimore. |
| Sliding door locks and bolts - - - - | Nov. 2 | Thomas Whaley | New York. |
| Improvement in ladies' reticules, &c. - | 7 | William Winning | do |
| Improvement in fire grates, called the caloret | 10 | Charles M. Graham | do |
| Machine for digging canals, &c. - - | 10 | John Humes | Richmond, Va. |
| Machine for cutting the tops and bottoms of bandboxes - - - - | 13 | Benjamin Mestayer | New York. |
| Improvement in metallic reeds for weavers - | 15 | Peter Frs. Herbin | Paterson, N. J. |
| Improvement in andirons - - - - | 16 | William Pye | New York. |
| Improvement in railways - - - - | 16 | Chs. Williams | Boston. |
| Elastic floor for propelling boats - - - | 17 | Oliver Phelps | Lansing, New York. |
| Improvement in the plough - - - - | 17 | O. Phelps & G. Moorehouse | do |
| Improvement in the bark mill - - - - | 22 | E. Trask & J. Trask | Sangerfield, New York. |
| Imp't in the boilers for steam engines - - | 30 | Th. Skidmore | New York. |
| Imp't in the condensers for steam engines - | Dec. 1 | do | do |
| Making candles by machinery - - - - | 4 | James M. Yard | Trenton, N. J. |
| Chemical anti-dysenteric medicine - - - | 4 | John G. Vought | Rochester, N. Y. |

Improvement in the sliding sector, &c. -
 Machine for hulling and shelling rice -
 Improvement in bedsteads - - -
 Machine used for the medicated steam bath -
 Improvement in the washing machine -
 Improvement in setting saw teeth - -
 Making cotton yarn, without the aid of twist
 Improvement in the loom - - -
 Machine for threshing and winnowing wheat,
 &c. - - - - -
 Improvement in the method of raising water -
 Improvement in steam boilers - -
 Improvement in making treenails, &c. for ships
 Improvement in ornamenting cloth, &c. -
 Improvement in the horizontal water wheel -
 Imp't in manufacturing grass bonnets and hats

 Improvement in the cast iron plough - -
 Improvement in water proof boots and shoes
 Improvement in the cupola furnace - -
 Improvement in corsetts - - -
 Improvement in the machinery of clocks -

4 Gabriel H. Thompson
 5 Elihu Spencer
 6 Peregrine Williamson
 7 Benj. Marshall
 7 James Barron
 7 Webb Hart
 11 Erastus Walcott
 11 Edmund Warren

 12 Seth Ballou
 13 N. N. Destrehan
 13 Stephen Baker
 13 Thomas Rowell
 14 Jas. C. Wood
 26 Horace Howard
 29 Gurdon Wells & Sophia
 Wells
 29 David Hitchcock
 31 Aaron Dana
 31 Henry Warral
 31 William Jas. Cantello
 31 William Dean

Boston.
 New Haven, Conn.
 Baltimore.
 New York.
 Norfolk, Va.
 Camden, S. C.
 Newport, New York.
 New York.

 Livermore, Maine.
 Charles' Parish, Lou.
 New York.
 Hartford, Vermont.
 Philadelphia.
 Wooster, Ohio.
 [Conn.
 Wethersfield, Hartford,
 New York.
 Boston.
 New York.
 New York.
 Pleasant Valley, Dutchess
 co. N. Y.



LETTER

FROM

THE SECRETARY OF STATE,

Transmitting a List of the Names of Persons

TO WHOM

PATENTS HAVE BEEN GRANTED

FOR ANY

NEW AND USEFUL INVENTION,

DURING THE YEAR 1822.

JANUARY 22, 1823.

Read, and ordered to lie upon the table.

WASHINGTON:

PRINTED BY GALES & SEATON.

1823.

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DEPARTMENT OF STATE,*January 1st, 1823.*

SIR: In pursuance of the resolution of the House of Representatives of the United States, dated the 13th of January, 1812, I have the honor of transmitting a list of the names of persons who have invented any new or useful art or machine, manufacture, or composition of matter, or any improvement thereon, and to whom patents have been issued for the same from this office, from the 1st of January, 1822, to the 1st of January, 1823, with the dates and general objects of such patents; and, also, the residence of the patentees, as far as they could be ascertained.

JOHN QUINCY ADAMS.**To the Honorable the SPEAKER***Of the House of Representatives of the U. S.*



A List of Patents for one year, prior to the 1st of January, 1823.

| Inventions. | When Issued | Names of the Patentees. | Residence. |
|--|-------------|------------------------------------|-------------------------|
| | 1822. | | |
| Improvement in the pick axe - - | Jan. 15 | Luke Baker | Pultney, Vermont. |
| Improvement in manufacturing scythes - - | 17 | Ephraim Kimball, jr. | Fitchburg, Mass. |
| Improvement in the washing machine - - | 17 | Pascal Cady | Brooklyn, Con. |
| Imp't in rotary shifting piston steam engine - | 19 | J. Lansing, jr. & Amos Thayer, jr. | Albany, N. Y. |
| Improvement in drawing card and other wire - | 19 | Russell Prouty | Spencer, Mass. |
| Improvement in the plough - - - | 21 | David Peacock. | Northampton, N. Jersey. |
| Improvement in machinery for expressing oil from seeds, &c. - - - | 22 | John Hallock | Little Egg Harbor, do. |
| Improvement in razor strops - - | 24 | Jacob Houck | New Market, Maryland. |
| Improvement in the machine for breaking the chaff and cleaning clover seed - - | 28 | John Botton | Warren, New York. |
| Improvement in the straw-cutting machine - | 29 | Jonathan S. Eastman | Baltimore. |
| Imp't in making shoes, socks, and moccasins - | 30 | S. Norris & J. C. Wood | Philadelphia. |
| Improvement in finishing scythes - - | 30 | Charles McNamara | Northbridge, Mass. |
| Improv't in fastenings for window shutters, &c. | 31 | Bernice West & Philander Soper | Rome, New York. |
| Improvement in the polygonal wheel and chain paddles, for propelling boats, etc. - - | 31 | T. Elmer & Azel Pier-son | Bridgetown, N. Jersey. |
| Improvement in the elastic spring sofa, etc. etc. | Feb. 2 | Sherman Blair | New Haven, Con. |

List of Patents—Continued.

| Inventions. | When Issued | Names of the Patentees. | Residence. |
|--|-------------|------------------------------------|-------------------------|
| | 1822. | | |
| Improvement in a machine called the life pole and fire engine assistant - - - | Feb. 2 | Wm. W. Van Loan | Catskill, N. York. |
| Improvement in the tubes for glass lamps - | 2 | Deming Jarves | Cambridge, Mass. |
| Improvement in fire places - - - | 4 | Joseph Maggini | Baltimore. |
| Improvement in the process of making warm pressed castor oil from castor beans - | 5 | Timothy Pharo | Tuckerton, N. Jersey. |
| Improvement in the plough - - - | 5 | Wm. G. Shuart | Orange county, N. York. |
| Improvement in transferring impressions to wood from paper - - - | 7 | Ashly C. Baker & Mac Fund Biddle | Albany, New York. |
| Improv't in making waistcoats, pantaloons, etc. | 8 | Charles Kenrick | New York. |
| Improvement in the cast iron plough - - | 12 | Josiah Ducher | Durham, New York. |
| Improvement in the mowing machine - - | 13 | Jeremiah Baily | Chester county, Penn. |
| Improvement in the cast iron plough - - | 16 | George W. Hawkins and Horace Emery | Windsor co. Vermont. |
| Improvement in the pressing, hoisting, and lowering machine - - - | 20 | Philip Freeman | Perth Amboy, N. Jersey. |
| Improvement in ornamenting the tops of iron and other railing - - - | 21 | Paulus Hedl | New York. |
| Improvement in drawers for wearing apparel - | 28 | Henry Brewer | New York. |
| Improvement in the steam engine - - | 28 | Thomas Hatton | Philadelphia. |
| Improvement in the cooking stove - - | March 1 | Philologus Holley. | Red Hook, New York. |

Improvement in a domestic telegraph - -
 Improvement in the standing press frame - -
 Improvement in the inclined wheel - -
 Improvement in the machines and tools for making saddle trees - - - -
 Improv't in window curtains, screws, and key
 Improvement in moccasins, socks, or over shoes
 Improvement in the composition for strops for sharpening razors - - - -
 Improvement on Hull's patented truss -
 Improvement in the construction of grist mills
 Improvement in the construction of artificial teeth
 Improvement in the open cooking stove -
 Improvement in horse shoes - - -
 Improvement in spinning woollen yarn -
 Improvement in the anti-dysenteric pills -
 Improvement in the nursing and other chairs -
 Imp't in the delaying of buds from blossoming
 Improvement in the spring-shuttle spindle -
 Improvement in the method of bending timber
 Improvement in wind, water, and tide mills -
 Improvement in making clock cases - -
 Improvement in making isinglass - -
 Improvement in the formation of bank notes -
 Improvement in the plough -

2 Daniel Pierson
 2 Benjamin F. Brown
 4 George Lyman
 6 Reuben Fairchild and Eben. Fairchild
 6 Henry Andrew
 6 Wm. Brower
 9 David Ritter
 9 Bela Tarr
 9 J. Hascall and D. Hascall
 9 Charles M. Graham
 11 John J. Pierce,
 11 John B. Brown and Jonathan Farmer
 13 John Sharp,
 13 John C. M. Brockway
 13 Andrew Woods
 16 Robert Moore
 20 Samuel Cranston
 20 Eben. Green and Merrit Blackslee
 21 Peter Quidor, junior
 21 John Ives
 23 William Hall
 23 George Murray
 25 Con. Geo. Gill & Geo. Gill (B. S.)

Boston.
 New York.
 Charles Parish, Louisiana.
 Fairfield county, Conn.
 New York.
 Rensselaer co. New York.
 New Haven, Connecticut.
 Norwich, New York.
 Likay, New York.
 New York.
 Greenfield, Mass.
 Boston.
 Whitestown, New York.
 Lyme, Connecticut.
 Charlestown, Virginia.
 Rowan, co. N. Carolina.
 Cumberland, Ro. Island.
 Litchfield, Conn.
 New York.
 Bristol, Vermont,
 Boston.
 Philadelphia.
 Chester, S. Carolina.

List of Patents—Continued.

| Inventions. | When Issued. | Names of the Patentees. | Residence. |
|---|--------------|---|-------------------------------------|
| | 1822. | | |
| Improvement in medicine - - - | March 27 | John Prentiss | New London, Conn. |
| Improvement in the threshing machine - - | 28 | Alvin Savage | Wheatland, New York. |
| Improvement in the winnowing machine - - | 30 | Henry Beadle | Willingford, New Haven co. Conn. |
| Improvement in the machine for punching holes in metal, etc. - - - - | April 2 | John Sarchet | Philadelphia. |
| Improvement in the method of separating hair from skins, &c. - - - - | 4 | Samuel Brooks | New York. |
| Improvement in the printing press - - - | 6 | Peter Smith | do. |
| Improvement in fire places - - - - | 11 | Stephen Spalding | Colchester, Con. |
| Improvement in the domestic loom - - - | 13 | Benjamin Maltby | New York. |
| Improvement in the covering of rollers for sizing | 13 | Everett Williams | Stratford, N. H. |
| Improvement in the universal compass - - | 13 | Samuel Dew | Romney, Virginia. |
| Improvement in the fire engine - - - - | 16 | Solon Lockwook & Wm. Loveland | Little Falls, N. Y. |
| Improvement in making stove pipe - - - | 16 | William W. Weaver | Philadelphia. |
| Improvement in distilling - - - - | 17 | Philip Griener | Brandywine, Penn. |
| Imp't in the machine for washing or grinding, &c. | 19 | James Justin | Pittsburg, Penn. |
| Improvement in the machine for making pails | 19 | Reuben Hyde | Winchester, Mass. |
| Improvement in the fender for fire places - | 19 | Elijah Skinner | Sandwich, N. Haven. |
| Improvement in making gunpowder - - - | 19 | Joseph M. Merrow & Robert McKee, jr. | East Hartford, Con. |

Improvement in the team shovel -
Improvement in the threshing machine -

Improvement in the metallic screw cock -
Improvement in the machine for kneading dough

Improvement in knives for cutting up blubber
Improvement in attaching rigging to mast heads

Improvement in the saw mill - - -
Imp't in the machine for getting out clover seed
Improvement in fire engines - - -
Improvement in the threshing machine -
Improvement in the machine for pressing bricks
Improvement in the loom - - -
Improvement in ploughs - - -
Improvement in stoves and fire places - -
Imp't in the plough, drill, and cotton thinner
Imp't in the machine for cleaning wheat, &c. -
Improvement in making bricks and tile -

Imp't in glass lights for ships and building -
Improvement in the angle lever - - -
Improvement in the stove - - -
Improvement in the machine for making paper
Improvement in the stop cock - - -
Improvement in the machine for breaking flax
Improvement in making and preparing metallic plates for engraving and printing - -

23 Elisha Case
 23 Benj. Tyler, John Tyler,
 & James B. Andrews
 23 Jeremiah Garey
 23 Josiah S. Fisher & Syl-
 vester W. Talbot
 25 William Ball
 25 William H. Allen

 27 Thomas White
 27 William Loomis
 27 Ebenezer Higgins
 29 Reynolds Gillman
 30 Benjamin Rolfe
 May 1 Edmund Warren
 2 John Gibson
 4 Lemuel Hitchcock
 7 William Willis
 8 Jedediah Tallman
 10 James E. Stubbs &
 James Bonner
 11 Joshua Oakes
 14 James Barron
 14 James Barron
 14 John Ames
 15 John Morris
 17 Samuel Davison

 17 David H. Mason

Canton, Con.
 Windsor, Vermont.
 Baltimore.

 Dedham, Mass.
 New York.
 U. States Navy. [*Killed by
 the Pirates.*]
 Chester, S. Carolina.
 Ashford, Con.
 Saratoga, N. Y.
 New York.
 During, N. H.
 New York.
 Montgomery co. N. Y.
 Weathersfield, Vt.
 Edgefield district, S. C.
 Oneida co. N. York.

 Cincinnati, Ohio.
 Boston.
 Norfolk, Va.
 do.
 Springfield, Mass.
 New Haven, Con.
 Romulus Township, N. Y

 Philadelphia.

List of Patents—Continued.

| Inventions. | When Issued. | Names of the Patentees. | Residence. |
|--|--------------|-------------------------------------|---------------------|
| | 1822. | | |
| Improvement in the blocks and wedges for raising vessels and for other uses in ship building | May 17 | John Thomas | Washington, D. C. |
| Imp't in the construction of locks and latches | 18 | Joel F. Thayer | Boston. |
| Improvement in a machine for pressing tar out of yarn for cordage - - - | 20 | Thomas Barnitt | Philadelphia. |
| Improvement in the bark mill - - - | 24 | James Elliott | do. |
| Improvement in the stove - - - | 25 | Bradford Seymore & Andrew C. Bettis | Utica, N. Y. |
| Improvement in the scale for measuring, &c. | 29 | Josiah J. Hendryx | Bennington, Vt. |
| Improvement in the vertical tide water wheel | 31 | Robert Leal | Delhi, N. Y. |
| Improvement in the machine for splitting leather | 31 | Joshua Butters | New York. |
| Improvement in the washing machine - - | June 15 | Francis Goucher | Philadelphia. |
| Imp't in the hemp and flax dressing machine | 15 | Henry Burden | Albany, N. Y. |
| Improvement in the churn - - - | 15 | Benjamin Haden, jr. | Trenton, N. Jersey. |
| Improvement in the machine for splitting skins and pelts - - - | 17 | William Bent | Philadelphia. |
| Improvement in the churn - - - | 19 | Eleazar Brown and Ansel Keith | Winfield, N. York. |
| Improvement in the percussion gun - - | 19 | Joshua Shaw | Philadelphia. |
| Improvement in increasing the power of mills | 20 | Robert Burns | Mifflin co. Penn. |
| Improvement in the marine rail-way - - | 24 | John Rodgers | Washington, D. C. |

Improvement in wind mills - - -
 Improvement in making carriage wheels -
 Imp't in the stove for burning Lehigh coal, etc.
 Improvement in the throstle spindle - -
 Improvement in the horse-hay rake - -
 Improvement in the plough share - - -
 Imp't in the lever to raise bodies perpendicularly
 Improvement in the mode of making leaden pipes
 Improvement in the machine for dressing flax
 and hemp - - - -
 Improvement in the threshing machine -
 Improvement in the art of vaccination -
 Improvement in the revolving lever for propel-
 ling boats - - - -
 Improvement in the machine for hulling all kinds
 of grass seeds, etc. - - - -
 Improv't in heating liquids in wooden cisterns
 Improvement in the plough - - - -
 Improvement in the art of rigging vessels -
 Improvement in the truss lever and sling -
 Improvement in the cotton gin - - - -
 Improvement in the method of distilling -
 Improvement in the machine for threshing -
 Improvement in the cast iron truss shears -
 Improvement in the machine for granulating
 gun powder - - - -
 Improvement in the mode of covering the heads
 of the nails and bolts in vessels - - -
 Improvement in the mode of making bank notes

| | | | |
|------|----|------------------------|-------------------------|
| | 24 | William Phoebus | New York. |
| | 24 | John Whitaker | Dingman's ferry, Penn. |
| | 24 | Robert McMinn | Philadelphia. |
| | 26 | Chs. Lewis & G. Taylor | Poughkeepsie, N. York. |
| | 26 | Moses Pennock | East Marlborough, Penn. |
| July | 1 | Baily Carpenter | Somers' Town, N. York. |
| | 1 | Richard Sealy | New York. |
| | 5 | Richard Ward | Waterbury, Connecticut. |
| | 9 | William Cumberland | New York. |
| | 9 | Major McDonald | Topsham, Maine. |
| | 10 | James Smith | Baltimore. |
| | 10 | Lewis Merchand | Blakely Alabama. |
| | 12 | Thatcher Blake | Paris, Maine. |
| | 15 | David McAllister | Brookfield, Vermont. |
| July | 22 | Abijah Lee | West Chester, N. York. |
| | 24 | Samuel Wells | Boston. |
| | 24 | Samuel Wells | Boston. |
| | 24 | Samuel Pennoyer | Cross River, New York. |
| | 27 | Frederick S. Cozzens | New York. |
| | 30 | Joseph Pope | Hallowel, Maine. |
| | 31 | Enos Baldwin | New York. |
| Aug. | 3 | William H. Richardson | Baltimore. |
| | 3 | William Mellus | Dorchester, Mass. |
| | 13 | James Ph. Puglia | Philadelphia. |

List of Patents—Continued.

| Inventions. | When Issued. | Names of the Patentees. | Residence. |
|--|--------------|-------------------------|--------------------------|
| | 1822. | | |
| Improvement in the manufacturing of isinglass | Aug. 14 | John Hastings | Cambridge, Mass. |
| Improvement in the machine for sawing marble | 14 | Eben. W. Judd | Middlebury, Vermont. |
| Improvement in the bridle - - - | 15 | Peter Laporte | Richmond, Virginia. |
| Improvement in the mode of making furnaces | 19 | George W. Robinson | Attleborough, Mass. |
| Imp't in the method of finishing glass buttons | 19 | Spencer Richards | do. |
| Improv't in the preparation of quercitron bark | 20 | James Elliott | Philadelphia. |
| Improvement in the fermenting apple cider - | 21 | William Elder | N. Brunswick, N. Jersey. |
| Improvement in the machines for printing paper hangings, cloth. books, etc. - - - | 22 | Peter Force | Washington, D. C. |
| Imp't in the method of ventilating vessels, etc. | 23 | Charles W. Skinner | Norfolk, Virginia. |
| Improvement in the cutting box - - - | 24 | William Willis | South Carolina. |
| Improvement in canal locks - - - | 26 | George Bender | New York. |
| Improvement in bleaching unrotted flax and hemp | 27 | William Cumberland | New York. |
| Improvement in saddle trees and in making - | 29 | Anthony Null | Philadelphia. |
| Improvement in grid-irons - - - | 29 | Daniel Ball | Ballstown Spa. N. York. |
| Improvement in the kiln for drying malt by steam | 30 | David St. Leger Davis | Hibernia, Tennessee. |
| Improvement in the machine for dressing flax and hemp - - - | 31 | James Macdonald | New York. |
| Improvement in the wool-picker - - - | Sep. 2 | Beriah Brown | Exeter, Rhode Island. |
| Improvement in the machine for divesting cof- fee of the hull - - - | 10 | Nathan Read | Belfast, Maine. |

Improvement in the machine for breaking sugar
 Improvement in the forge hollow fire - - -
 Improvement in pessaries - - -
 Improvement in the plough - - -
 Improvement in the machine for heading nails
 and tacks - - - -
 Improv't in the flax and hemp dressing machine
 Improvement in the current mill - - -
 Improvement in the manufacture of sleigh shoes
 Improv't in the elastic or spring carriage seat -
 Improv't in the machine for floating vessels, etc.
 Improvement in the manufacture of glue -
 Improvement in the churn - - -
 Improv't in the mode of hanging window sashes
 Improvement in the washing machine -
 Improvement in the bedstead - - -
 Improvement in the still - - -
 Improvement in the machinery for cooper's work
 Improvement in the stove for burning Lehigh coal
 Improvement in the construction for setting saws
 Imp't in the art of making cast or wrought steel
 Imp't in the art of making iron and steel -
 Improvement in fire arms - - -
 Improvement in the foot stove - - -
 Imp't in the kiln for drying all kinds of grain
 Improvement in the sounding boards for pianos
 Improvement in the plough - - -
 Improvement in the method of raising water .
 Improvement in the apparatus for distilling -

| | | |
|------|----|------------------------|
| | 11 | James Mitchell |
| | 11 | Samuel Collins |
| | 12 | Luke Barker |
| | 14 | Joseph Woolley |
| | 19 | Lemuel Bolles |
| | 19 | Naman Goodsall |
| | 25 | George H. D. Gray |
| Oct. | 1 | Seneca Pettee |
| | 2 | Jonathan Nichols |
| | 3 | John Denny |
| | 3 | John H. Mark |
| | 4 | Samuel Clark |
| | 15 | Francis Follet |
| | 15 | David Watson |
| | 17 | Peregrine Williamson |
| | 17 | Baltazar I. Kallenback |
| | 23 | Horace Wright |
| | 24 | Philip S. Mingle |
| | 28 | Joseph Beach |
| | 30 | Horatio Gates Spafford |
| | 30 | Horatio Gates Spafford |
| | 31 | Albert Holcomb |
| Nov. | 4 | Julia Plantou |
| | 7 | Robert Andrews |
| | 14 | James Stewart |
| | 16 | Peter J. Clute |
| | 16 | Social Rolph |
| | 18 | Uriah Swetland |

Northern Liberties, Phila.
 Springfield, Mass.
 New York.
 Troy, New York.

 New York.
 Paris, New York.
 Southampton, Virginia.
 Salisbury, Connecticut.
 Providence, Rhode Island.
 Queen Ann co. Maryland.
 Philadelphia.
 Morris co. New Jersey.
 Pittsburgh, Virginia.
 Fayette, Kenneb'k co. Me.
 Baltimore.
 Philadelphia.
 Onondago, N. York.
 Philadelphia.
 Middletown, Con.
 Albany, N. Y.
 do.
 Litchfield, N. Y.
 Philadelphia.
 Fleming county, Ken.
 Boston.
 Schenectady, N. Y.
 Albany, N. Y.
 Kingston, Pen.

List of Patents—Continued.

| Inventions. | When Issued. | Names of the Patentees. | Residence. |
|--|--------------|--|---|
| | 1822. | | |
| Improvement in the flumes for mills - - | Nov. 19 | Asa Messer | Providence, R. I. |
| Imp't in the machine for moulding bricks - | 23 | Honore Mane | Point Coupee, Louisiana. |
| Improvement in the construction of locks - | 28 | Ebenezer Leman, jr. | Boston. |
| Improvement in the construction of a machine for cleaning unrotted or rotted flax or hemp | 29 | William Cumberland | New York. |
| Improvement in the saw setter - - | Dec. 2 | David C. Jordan | New York. |
| Improvement in planking vessels by hooking or jogging the planks - - - - | 2 | John Thomas | Washington, D. C. |
| Improvement in the threshing machine - | 3 | Timothy Howe | Turner, Maine. |
| Improvement in the machine for shearing cloth | 4 | Ezekiel Heald | Norridgework, Maine. |
| Imp't in the inclined horse and water wheel - | 6 | Lee Wheeler & Timothy Powell | Coxsackie, New York. |
| Improvement in the cast iron plough - - | 7 | Jacob J. Schoonmaker & Jacob Dolson | the former of Ulster and the latter of Dutchess, N. Y. |
| Improvement in the mode of grinding grain - | 11 | John Bicknell | Buckfield, Maine. |
| Improvement in the mode of making salt - | 14 | Cadwalder D. Colden | New York. |
| Improv't in the machine for covering corn, etc. | 19 | Thomas Williams | Pittsylvania, Virginia. |
| Improvement in the art of making edge tools - | 19 | Horatio Gates Spafford | Troy, N. Y. |
| Improvement in the saw-setter - - | 21 | Rufus Grandy | New York. |
| Improvement in the hydrometer - - - | 23 | Joseph C. Tucker and Elisha Dwelle | Boston, Mass. |

Improvement in the making and application of
 combustible gas - - - -
 Improvement in lamps for light-houses, etc. -
 Improvement in making boots and shoes water
 proof - - - -
 Improvement in the machinery for manufacturing
 shingles - - - -
 Improvement in the machinery of wind mills

27 William Garnet
 28 Christian Cornelius

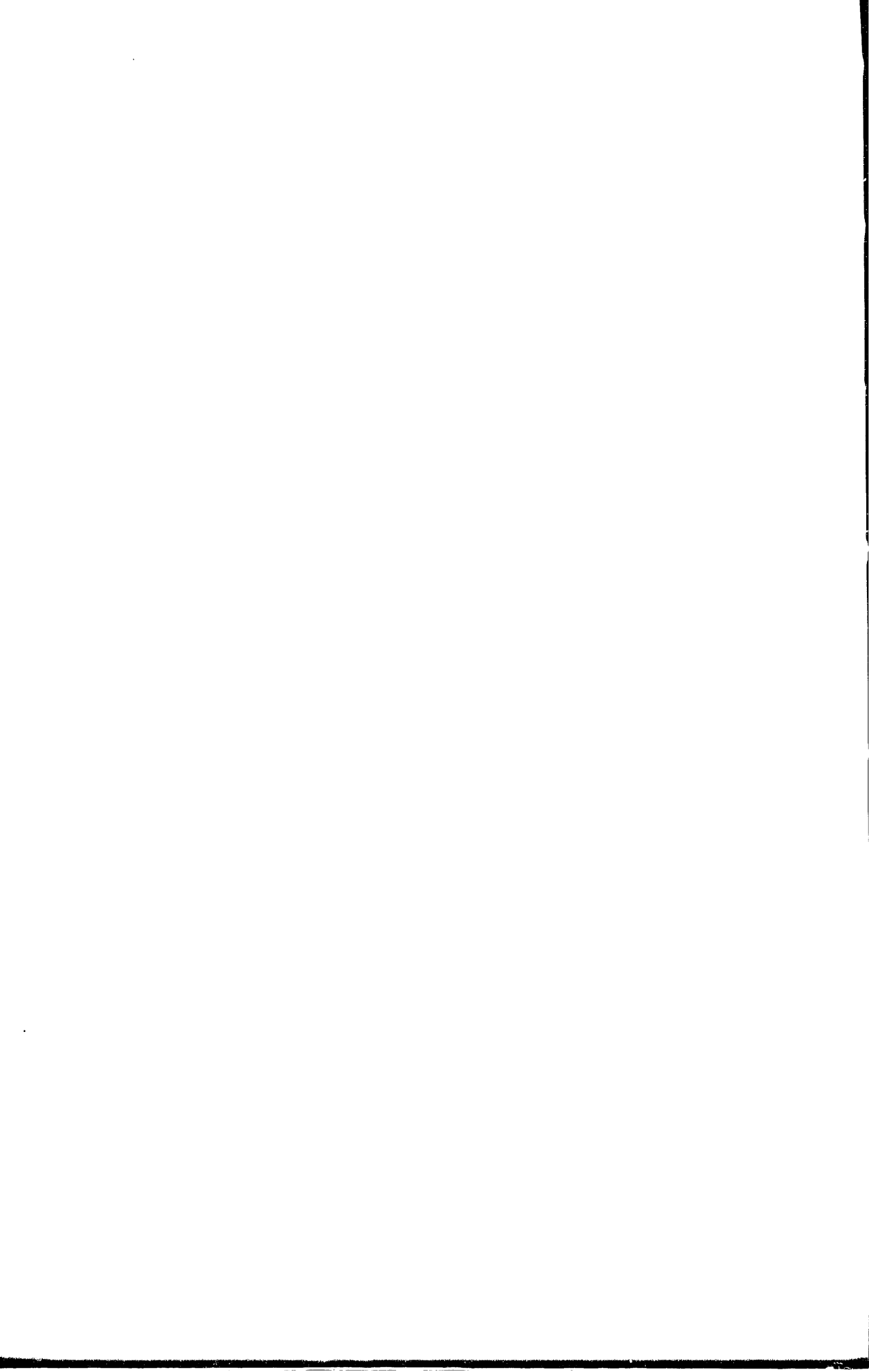
 28 Arnold Buffum

 28 William Earl
 31 John Gue

New York.
 Philadelphia

 Smithfield, Rhode Island.

 Boston.
 Waterford, Saratoga co.
 New York.



18th CONGRESS, }
1st SESSION. }

LETTER

FROM

THE SECRETARY OF STATE,

ACCOMPANIED WITH

A REPORT OF THE NAMES OF PERSONS

TO WHOM

Patents have been Granted,

FOR

NEW AND USEFUL INVENTIONS

DURING THE YEAR 1823.

JANUARY 7, 1824.

Read, and ordered to lie upon the table.

WASHINGTON :

PRINTED BY GALES & SEATON

1824.



A LIST OF PATENTS for the Year ending on the 1st January, 1824.

| Inventions. | When Issued. | Names of Patentees. | Residence. |
|---|--------------|---------------------------|---|
| | 1823. | | |
| Improvement in making casks - - | Jan. 8 | Uri Emmons - - | Green county, N. York. |
| Improvement in mills for breaking the chaff and hulling clover seed, &c. - - - | 9 | John Bolton - - | Warren, Herkimer co. New York. |
| Improvement in vertical water wheel - - | 10 | John Maze - - | Green Brier co. Va. |
| Improvement in making still worms - - | 11 | Chester Cook - - | Paris, Oneida co. N. Y. |
| Improvement in making bricks by pressing - | 11 | Samuel Briggs - - | Salem, Massachusetts. |
| Improvement in machine for cleaning grass seeds | 11 | Howland Child - - | Canton, Oxford co. Me. |
| Improvement in machine for cleaning clover seed, thrashing, and cleaning grain, &c. - - | 14 | Nat. Mills & Isaac Rogers | Bath, Grafton co. N. H. |
| Improvement in distilling by steam - - | 14 | Elias Geilhausen - | Halifax township, Dauphin county, Penn. |
| Impr't in machine for dressing hemp and flax - | 18 | James Macdonald - - | New York. |
| Improvement in thrashing machine - - | 21 | Gideon Reynolds - - | Do. |
| Improvement in cotton roving machine - | 21 | Aza Arnold - - | North Providence, R. I. |
| Improving windmill - - - - | 24 | Jesse Mollineux - - | N. Hempstead, Queen's county, N. York. |
| Improving machine for sawing stone, &c. - | 24 | Nathaniel Holmes - - | Barnstable, Mass. |
| Improvement in medicine - - - | 28 | Samuel Thompson - - | Boston, Mass. |
| Improvement in mode of finishing scythes - | 31 | Charles M. Namara - - | Northbridge, Worcester co. Mass. |

List of Patents—Continued.

| Inventions. | When Issued. | Names of Patentees. | Residence. |
|--|--------------|--------------------------|--|
| | 1823. | | |
| Impr't in elastic spring girth and saddle tree - | Feb. 1 | Peter Harry - - | Harrisonburg, Rockingham co. Va. |
| Improvement in stoves - - - | 3 | John Tasker - - | Philadelphia. |
| Impr't in machine for dressing flax and hemp - | 3 | Jos. Hines and Wm. Bain | Columbus, Ohio. Attleborough, Bristol co. Mass. |
| Improvement in machine for spinning cotton yarn | 6 | Elisha Fuller - - | Dover, Strafford county, New Hampshire. |
| Improvement in chain lanyards - - | 6 | Robert Rogers - - | Troy, Bradford co. Pa. |
| Improvement in the water wheel - - | 8 | Adolphus Allen - - | Missouri. |
| Improvement in tanning - - - | 10 | Leonard Jacobs - - | Hurley, Ulster co. N. Y. |
| Improvement in universal seed cleaner - | 10 | David S. Buck - - | New York. |
| Improvement in machine for thrashing grain and cleaning flax - - - | 12 | John Carl - - | Do. |
| Improvement in making carpeting, ingrain - | 12 | William A. Prince - - | Powhatan co. Virginia. |
| Impr't in raising water by successive pumps - | 15 | Littleberry H. Mosby - - | Merrimack. N. H. |
| Impr't in weaving grass for making hats, &c. | 16 | Lucy Burnap - - | Albany New York. |
| Improvement in rotary steam engine - | 19 | Dudley L. Farnam - - | Fayette co. Penn. |
| Improvement in distilling - - - | 19 | Malcolm McDonald - - | Alexandria, Huntingdon co. New Jersey. |
| Impr't in machinery for navigating rivers, &c. | 22 | Joseph Godley - - | Albemarle co. Virginia. |
| Improvement in plough | 25 | Ryland Rhodes - - | |

| | | | | | |
|---|---|---------|--------------------|---|-------------------------------------|
| Improvement in machine for shelling corn | - | 27 | Samuel Spooner | - | Petersham, Mass. |
| Improvement in smut machine | - | 27 | Dan Pease, jr. | - | Winfield, Herkimer co. New York. |
| Improvement in truss | - | 27 | Amos G. Hull | - | New York. |
| Improvement in cotton whipper | - | March 6 | William Hopkins | - | Plainfield, Windham co. Con. |
| Improvement in art of printing | - | 6 | William M. Dodge | - | New York. |
| Improvement in steam engine | - | 6 | Amos Thayer, jr. | - | Do. |
| Improvement in machine for cleaning cotton | - | 10 | George T. Sadler | - | Lawrence co. Alabama. |
| Improvement in knife for splitting leather | - | 12 | Herrick Aiken | - | Brighton, Middlesex co. Mass. |
| Improvement in coach and chaise hames | - | 12 | Do. | - | Do. |
| Improvement in towing boats | - | 12 | Edward S. Townsend | - | Palmyra, Ontario co. New York. |
| Improvement in fire proof furnace for distilleries | - | 13 | John Miller | - | Northampton, Lehigh co. Penn. |
| Improvement in machine for thrashing grain, cutting straw, &c. | - | 21 | Naman Goodsell | - | Clinton, Oneida co. N. York. |
| Improvement in canal steam boat | - | 24 | Robert Hugunin | - | Albany, New York. |
| Improvement in grain cradle | - | 24 | Isaac Babcock | - | Ransselaerville, N. Y. |
| Improvement in spiral spring locks | - | 31 | Nathan Read | - | Belfast, Maine. |
| Improvement in extracting the tanin from the bark of trees | - | April 5 | William Knapp | - | Milford, Otsego co. N. York. |
| Improvement in manufacturing hair combs | - | 5 | Ira Ives | - | Bristol, Hartford coun- ty, Con. |
| Improvement in giving temperature to artificial mineral waters | - | .5 | Joseph Hawkins | - | Philadelphia. |

List of Patents—Continued.

| Inventions. | When Issued. | Names of Patentees. | Residence. |
|--|--------------|--|---|
| | 1823. | | |
| Improvement in mode of making stove pipes - | April 5 | Caleb Jones - | Burlington, Vermont. |
| Improvement in scraps and bars of iron converted into cast steel - - - | | | Troy, New York. |
| Improvement in percussion guns and pistols - | 10 | Samuel Collins - | |
| Improvement in cornsheller - - - | 12 | Joseph Finch - | New York. |
| Improvement in thrashing machine - - | 15 | William E. Sheffield - | New York. |
| Improvement in making pails, &c. - - | 15 | Pierson Reading - | Trenton, New Jersey. |
| | 25 | Amos Miner - | Camillus, Onandaga county, New York. |
| Improvement in thrashing machine - - | 30 | Joseph R. Miller - | Dryden, Tompkins, co. N. Y. |
| Improvement in machinery for propelling boats | May 1 | Junia Chittenden and A. W. Delano - | Stevenson, Rensselaer co. New York. |
| Improvement in machine for dressing mill-stones | 6 | Leonard Norcross - | Livermore, Oxford co. Me. |
| Improvement in piston and valve cock - | 6 | John Lacey - | Philadelphia. |
| Improvement in forcing pump - - - | 6 | John Paddleford - | Lebanon, Madison co. N. Y. |
| Improvement in construction of mail stages, &c. | 8 | Daniel W. Eames - | Watertown, New York. |
| Improvement in easy chair - - - | 8 | Joseph D. Finney - | Keene, New Hampshire. |
| Improvement in plough for listing and preparing land - - - | 8 | John Weaver - | Washington, D. C. |
| Improvement in propelling boats by a step wheel | 9 | Flav. Waterman, 3d | Do. |
| Improvement in tin-plated lead-pipes for stills, &c. - - - | 9 | Thomas Ewbank - | New York. |

Improvement in construction of the bee-hive -
 Improvement in machine for scraping chimneys -
 Improvement in fire-fender - - -
 Improvement in letter press for proofs, &c. -
 Improvement in wooden wheel'd clocks -
 Improvement in machine for moving the sick -
 Improvement in machine for pressing bricks -
 Improvement in treadle machine for do. -
 Improvement in saddle trees - - -
 Improvement in making tinned sheet lead -
 Improvement in plough - - -
 Improvement in saws and grates for cotton gins

Improvement in construction of cotton gins -
 Improvement in making four-tined forks .

Imp't in wheel to prevent chains, &c. from slipping -
 Improvement in telegraph - - -
 Improvement in fire engine and water pump -

Improvement in making wagons, &c. -
 Improvement in manufacturing cotton -
 Improvement in destroying bed bugs - -
 Improvement in the cultivator - -

Improvement in portable condensing lamp -
 Improvement in navigating and ferrying rivers
 Improvement in mode of fencing grounds .

| | | | |
|------|----|---------------------------------|--|
| May | 14 | Simon C. Williams | Shenandoah co. Virginia. |
| | 15 | Mathew Benson | Cincinnati, Ohio. |
| | 19 | Do. | Do. |
| | 19 | Adam Ramage | Philadelphia. |
| | 26 | Eli Terry | Plymouth, Connecticut. |
| | 29 | John C. Jenckes | Providence, R. I. |
| | 29 | Briggs R. Reed | Danvers, Essex co. Mass. |
| | 29 | Do. | Do. |
| | 28 | Christopher Kurtz | Lancaster, Penn. |
| | 30 | Thomas Ewbank | New York. |
| June | 3 | George Nixon | Do. |
| | 12 | Eleazar Carver, jr. | Bridgewater, Plymouth co. Massachusetts. |
| | 13 | Do. | Do. |
| | 13 | Granville Martin | Waterbury, New Haven co. Connecticut. |
| | 17 | James Cooper | Augusta county, Va. |
| | 18 | James M. Elford | Charleston, S. Carolina. |
| | 20 | Eliphalet Williams & J. Collins | Fallev \times roads, Mass. |
| | 20 | Sherman Blair | New Haven, Con. |
| | 20 | John T. Sharrock | Winchester, Virginia. |
| | 20 | Richard Sealy | New York. |
| July | 21 | Stephen Hubbard & Joseph Graves | Wilmington, Vermont. |
| | 25 | Thomas Philipps | New York. |
| | 25 | Edward Clark | Philadelphia. |
| | 3 | Othello Church | Town of Friendship, Alleg-hany. |

DEPARTMENT OF STATE,

1st January, 1824.

SIR: In pursuance of the resolution of the House of Representatives of the United States, dated the 13th of January, 1812, I have the honor of transmitting a list of the names of persons who have invented any new or useful art, machine, manufacture, or composition of matter, or any improvement thereon, and to whom patents have been issued for the same, from this office, from the 1st day of January, 1823, to the 1st day of January, 1824, with the dates and general objects of such patents: and, also, the residence of the patentees, as far as they could be ascertained.

I have the honor to be, sir,

With the greatest respect,

Your obedient servant, &c.

JOHN QUINCY ADAMS.

To the Hon. the SPEAKER,

of the House of Representatives, U. S.

List of Patents—Continued.

| Inventions. | When Issued. | Names of Patentees. | Residence. |
|---|--------------|----------------------------------|--|
| | 1823. | | |
| Imp't in new mode of applying mechanical powers | July 9 | Loria Butts - | Canterbury, Windham co. Connecticut. |
| Improv't in machinery for making window sash | 9 | Amos Miner - | Elbridge, Onandaga county, New York. |
| Improvement in the mode of keeping tally - | 12 | Wm. A. Turner - | Plymouth, N. C. |
| Improvement in making stop cocks - | 12 | Gaius Fenn - | New York. |
| Improvement in the plough - | 16 | David Hitchcock - | New York. |
| Improvement in the rotary steam engine - | 16 | James Thomson - | Pittsburgh, Penn. |
| Improvement in making fire proof bricks - | 21 | Timothy Caldwell - | Philadelphia. |
| Improvement in thrashing machine - | 22 | William Kirk - | Baltimore. |
| Imp't in loading the boring for blasting rocks - | 22 | Ephraim Gilbert - | Rochester, Monroe co. N. Y. |
| Improvement in pin machines - | 23 | Henry Weston - | Philadelphia. |
| Improvement in making hay, dung forks, &c. - | 23 | Christian Lawrence - | Chatham, Columbia co. N. Y. |
| Imp't in construction of four wheeled carriages - | 24 | John B. Swan - | Albany, New York. |
| Improvement in making hoes - | 26 | Joseph Watson - | New Canaan, Fairfield co. Connecticut. |
| Improvement in cutters and points for ploughs - | 29 | D. H. Jones & W. F. Richardson - | Palmyra, New-York. |
| Imp't in making elastic spring cushions, &c. - | Aug. 1 | Sherman Blair - | New Haven, Connecticut. |
| Improvement in machine for making bricks - | 7 | John Menefee - | Landry Parish, Louisiana. |

| | | | | |
|--|-------|----|--------------------|---|
| Improvement in spring saddle tree | - - | 8 | J. & Wm. Dinwiddie | Concord Post Office, Campbell county, Virginia. |
| Improvement in temples for cloth looms | - | 8 | John Bazin, Jr. | Canton, Norfolk co. Mass. |
| Imp'tin converting rectilinear into a rotary motion | - | 9 | John Y. Savage | Raleigh, N. C. |
| Improvement in washing machine | - - | 12 | Isaac Leavitt | Turner, Oxford co. Maine. |
| Improvement in mode of using circular saws | - | 13 | John Brown | Boston, Mass. |
| Improvement in chimney fire extinguisher | - | 21 | Daniel Berrien | New York. |
| Improvement in self-sharpening plough | - | 26 | Waldron Beach | Philadelphia. |
| Improvement in construction of the steam carriage | - | 29 | Lewis Bigelow | Petersham, Mass. |
| Improvement in rotary motion obtained from a rectilinear one | - - - | 30 | Archibald Smith | Rhinebeck, Dutchess co. N. Y. |
| Improvement in machinery for ruling paper | - | 4 | Richard Willcox | New York. |
| Improvement in thrashing machine | - - | 6 | Charles Smith | New York. |
| Improvement in machine for extracting flaxseed | - | 9 | Asa Hook | Searsmont, Hancock county, Maine. |
| Improvement in forcing and suction pump | - | 11 | Joshua Clark | Westminster, Windham co. Vermont. |
| Improvement in the stove for burning stone coal | - | 11 | George J. Fougeray | Philadelphia. |
| Improvement in thrashing machine | - - | 18 | Archibald Douglass | Marcellus, Onondaga county New York. |
| Improvement to prevent forgeries | - - | 19 | Richard Willcox | New York. |
| Improvement in common stove | - - | 22 | Louis Goujon | Philadelphia. |
| Improvement in fanning mills | - - | 22 | David Neefus | Flat Lands, King's county, Long Island, N. Y. |
| Improvement in machine for cutting corn stalks | - | 25 | Andrew Glendening | Butler county, Penn. |
| Improvement in washing machine | - - | 25 | Do. | Do. |
| Improvement in universal boiler | - - | 25 | Do. | Do. |
| Improvement in construction of circular saws | - | 26 | Silvenus Bonnel | Chatham, Morris co. N. J. |

Sept.

List of Patents—Continued.

| Inventions. | When Issued. | Names of Patentees. | Residence. |
|--|--------------|-------------------------------------|--------------------------------|
| | 1823. | | |
| Improvement in mode of grinding grain - | Sept. 26 | B. & J. C. Langdon | |
| Improvement in making crucibles - - | 26 | J. Trash - | Troy, N. York. |
| Improvement in water power by a spiral wheel | 29 | James Dalliba - | Watervliet, Albany, N. Y. |
| Improvement in making salt, pot & pearl ash, &c. | 29 | Abner Vansants - | Jefferson, county, Missouri. |
| Improvement in spinning cotton - - | 30 | Do. - - | Do. |
| | | Wm. Bryant - | Mill Creek, Davidson co. Tenn. |
| Improvement in cast iron grist mill spindle - | Oct. 1 | Wanton Rice - | Athens, Bradford co. Penn. |
| Improvement in mode of procuring tanin - | 3 | D. Roe, C. F. Kellogg, J. W. Gazlay | Cincinnati, Ohio. |
| Improvement in carding and spinning wool - | 15 | Philo C. Curtis - | Paris, Oneida county, N. Y. |
| Improvement in tanning - - - | 15 | Joshua Galbraith - | Trenton, New Jersey. |
| Improvement in construction of lottery schemes | 18 | Joseph Vannini - | Philadelphia. |
| Improvement in pneumo hydraulic engines - | Nov. 1 | Richard Willcox - | New York. |
| Improvement in mode of cutting out cloths - | 6 | Ethan Campbell - | Philadelphia. |
| Improvement in internal navigation - - | 7 | James Renwick - | New York. |
| Improvement in the mode of warming beds - | 11 | Peter Lannay - | Baltimore. |
| Improvement in process of converting iron into steel - - - - | | | |
| Improvement in coloring hats, &c. - - | 20 | Eleazer L. Losey - | New Brunswick, N. J. |
| Improvement in moccasins - - - | 20 | Joel Taylor - | Danbury, Connecticut. |
| | 22 | Alfred Tillotson - | New York. |

| | | | |
|---|---------|-------------------------------------|---|
| Improvement in scouring and cleaning grain - | Nov. 24 | John Litzenberger - | Philadelphia. |
| Improvement in pyroligneous oil and acid used in tanning - - - - - | 26 | Horace H. Hayden - | Baltimore. |
| Improvement in saving water in canal locks - | 27 | Jonas P. Fairlamb - | Wilmington, Delaware. |
| Improvement in wheel used in machinery instead of the crank - - - - - | 25 | James Stedwell, 3d - | Carmel, Putnam, co. N. Y. |
| Improvement in shears with curved edges - | 27 | Samuel Fry - | New York. |
| Improvement in fulling cloth - - - - - | Dec. 4 | M. W. Northrup & R. R. Dillon - | Newton, Sussex co. N. J. |
| Improv't in breaking and dressing flax and hemp | 4 | Frederick Cox - | Somerville, Somerset county, New Jersey. |
| Improvement in straw cutting machine - - | 6 | John Osborn - | Blandford, Hampden county, Massachusetts. |
| Improvement in harrow teeth - - - - - | 8 | Wm. M. Conaughey - | New Garden, Chester co. Pennsylvania. |
| Improvement in fids for the masts of ships - | 10 | Benjamin Rotch - | Bristol, Great Britain. |
| Improvement in cooking stove - - - - - | 13 | John Conant - | Brandon, Rutland co. Vt. |
| Improvement in construction of hydrants - | 13 | Thomas Gibson - | Philadelphia. |
| Improvement in steam rice mills - - - - - | 16 | John L. Norton - | Charleston, S. C. |
| Improvement in cocks for drawing liquids - | 17 | Eli Dickinson - | Amherst, Massachusetts. |
| Improvement in hydrants - - - - - | 19 | James Ewing - | Philadelphia. |
| Improvement in iron water wheel - - - - - | 20 | P. J. Schuyler, E. & D. Hitchcock - | Still Water, Saratoga co. New York. |
| Improvement in rectangular protractor - | 24 | Nathaniel Goodwin - | Hartford, Conn. |
| Improvement in steam generator - - - - - | 24 | H. Betts and J. A. McLean - | Norwalk, Connecticut. |
| Improvement in machine for making shingles - | 29 | Manassah Andrews - | Livermore, Oxford co. Me. |
| Improv't in machine for pulverizing drugs, &c. | 31 | Isaac Eddy - | Boston, Massachusetts. |



18th CONGRESS,
2d Session.

LETTER

FROM THE

SECRETARY OF STATE,

TRANSMITTING

A LIST OF THE NAMES OF PERSONS

TO WHOM

Patents have been Issued,

FOR THE

Invention of any New or Useful Art,

OR

MACHINE, MANUFACTURE, OR COMPOSITION OF MATTER,

OR

Any Improvement thereon,

From January 1st, 1824, to January 1st, 1825.

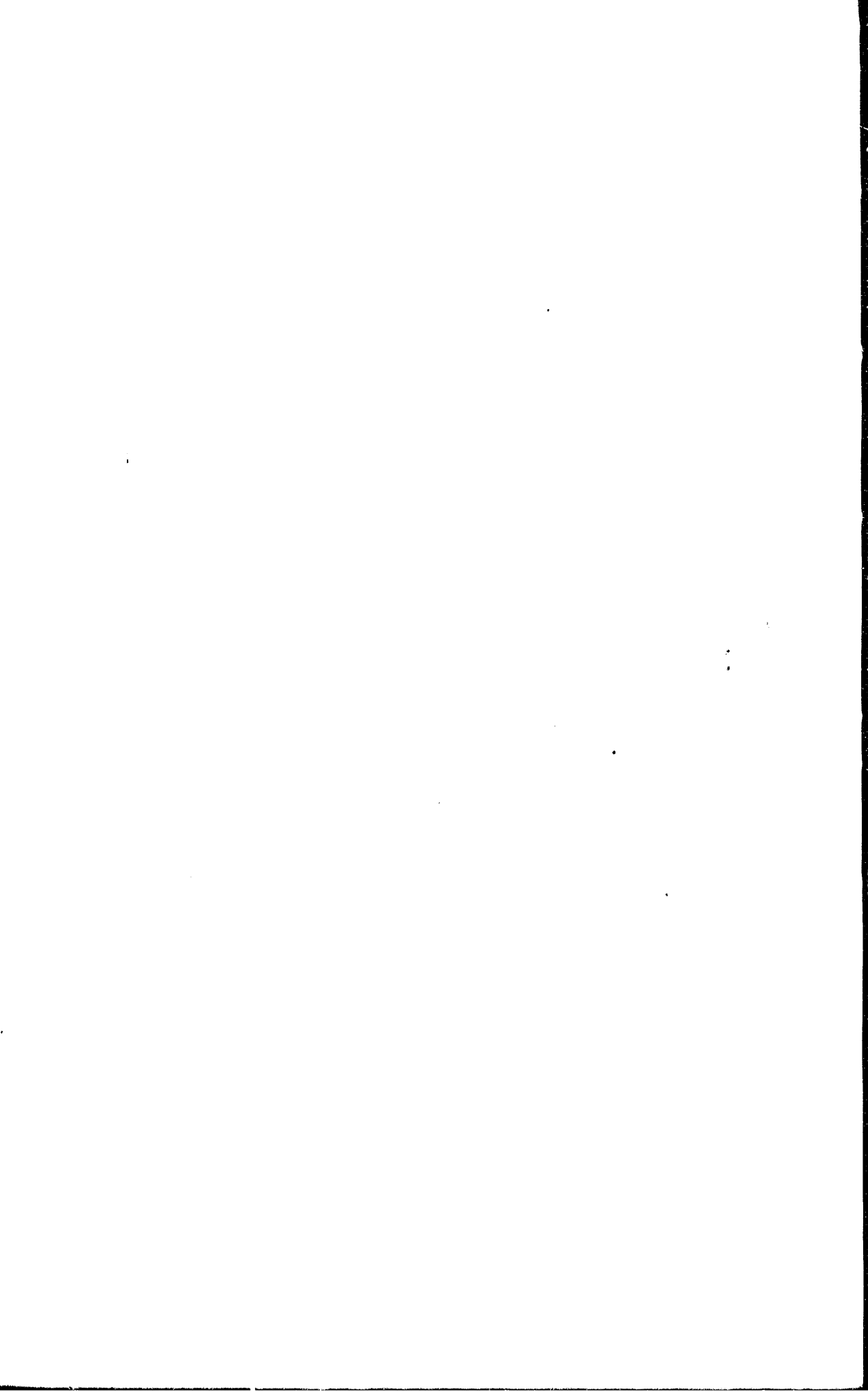
JANUARY 3, 1825.

Read, and ordered that it lie upon the table.

WASHINGTON:

PRINTED BY GALES & SEATON.

1825.



DEPARTMENT OF STATE,

January 1, 1824.

SIR: In pursuance of a Resolution of the House of Representatives of the United States, dated the 13th January, 1812, I have the honor to transmit a list of the names of persons who have invented any new or useful art, or machine, manufacture, or composition of matter, or any improvement thereon; and to whom patents have been issued for the same, from this office, from the 31st day of December, 1823, to the 1st day of January, 1825, with the dates and general objects of such patents; and, also, the residence of the patentees, as far as they could be ascertained.

JOHN QUINCY ADAMS.

Hon. HENRY CLAY,

Speaker of the House of Representatives.



A LIST OF PATENTS for the year ending on the 1st January, 1825.

| Inventions. | When Issued. | Inventors' Names. | Residence. |
|--|--------------|--|--------------------------------------|
| | 1824. | | |
| Improvement in the construction of Guns - | Jan. 10 | Alexander Boyden - | Newark, N. J. |
| Do Thrashing Machine - - | 12 | Andrew Noble - - | Alfred, York co. Me. |
| Do making Boots and Shoes - - | 12 | Ebenezer Martin - - | Salem, N. J. |
| Do constructing Rafts - - | 13 | Henry Babb - - | West Brook Cumberland county, Me. |
| Do Vibrating Rolling Machine for cotton or wool - - | 14 | Jesse Hopkins - - | Strasburgh, Penn. |
| Do Throstle Cotton Spinner - - | 17 | Benjamin Brundred - - | Mamaroneck, W. Chester county, N. Y. |
| Do preserving the Nozzle of Bellows from burning - - | 20 | James Dodge, jun. - - | St. Albans, Ver. |
| Do Apparatus used in Brewings - - | 27 | Richd. L. Lloyd & A. Parthenheimer - - | Philadelphia. |
| Do Extender - - - | 27 | Asa Bisbee - - | North Yarmouth, Me. |
| Do Columbian Stove - - | 26 | Joshua Talcott and Jona M'Culloch - - | Smyrna, Chenango county, N. Y. |
| Do Machine for dressing flax & hemp - - | 28 | Benjamin Lewis - - | Ligonia, Me. |
| Do Cast iron Plough, with a double pointed wing - - | 29 | William C. Pancost - - | Addison. Ver. |
| Do Distilling - - - | 29 | I. Carpenter & J. Roe - - | New York. |

List of Patents—Continued.

| Inventions. | When Issued. | Inventers' Names. | Residence. |
|---|--------------|-----------------------|---------------------------------------|
| | 1824. | | |
| Improvement in the Cotton Scraper - - | Feb. 3 | Horatio Starke - - | Wilkinson co. Miss. |
| Do Machine for shearing Cloth - - | 7 | Beriah Swift - - | Washington, Dutchess county, N. Y. |
| Do Spiral spring Truss for Ruptures | 7 | Joseph Far - - | Manlius, Onondago coun- ty, N. Y. |
| Do burning Bricks - - | 7 | Robert Crutchfield - | Botetourt co. Va. |
| Do Machine for making Bricks - - | 11 | Seth Lewis - - | Louisiana. |
| Do Preventive for the decay of Hu- man Teeth - - - | 11 | Horace H. Hayden - | Baltimore. |
| Do Windlass Bedstead - - | 16 | Leonard Foster - - | Boston. |
| Do Machine for mak'g Brush Blocks | 25 | Stacy Costill - - | Philadelphia. |
| Do Plough, patented by Jethro Wood | 27 | Solomon Austin - - | Sempronius, Cayuga co. N. Y. |
| Do Household Spinning Wheel. for wool - - - | 27 | Gilbert Brewster - | Norwich, Conn. |
| Do Spinning Wheel - - | 28 | Charles F. Schaffle - | Lewisburg, Union co. Pa. |
| Do Gas Engine, without steam - - | Mar. 2 | Samuel Brown - - | London, England. |
| Do making fine and coarse salt - - | 2 | Joseph P. Rossiter, - | Salina, Onondaga co. N.Y. |
| Do Frame for finish'g Ladies' Dresses | 3 | James R. Williams - | Baltimore, |
| Do Machine for thrashing and win- nowing grain - - - | 6 | Edmund Warren - | Augusta. Me. |

| | | | | | | | |
|----|-----------------------------------|---|---|---------|---------------------------|---|-------------------------------------|
| Do | Fur Blower | - | - | 9 | William Barker Rotch | - | New Bedford, Mass. |
| Do | Horizontal Fire Engine | - | - | 11 | Luther Holland | - | Belchestown, Mass. |
| Do | Process of manufacturing cotton | - | - | 12 | Elisha Congdon | - | Norwich, Conn. |
| Do | making Franklin and Cooking | - | - | | | | |
| | Stoves | - | - | 13 | James Wilson | - | New York. |
| Do | mak'g the spindle of the Throstle | - | - | 13 | Gilbert Brewster | - | Norwich, Conn. |
| Do | Method of receiving rolls of wool | - | - | | | | |
| | from the Machine | - | - | 13 | Ditto | - | Ditto. |
| Do | spinning wool by a continued ro- | - | - | | | | |
| | tary motion | - | - | 13 | Ditto | - | Ditto. |
| Do | Copper Bolts. for ship building | - | - | 15 | Berg & Ivers | - | New York. |
| Do | Machine, for grinding paints, | - | - | | | | |
| | drugs, &c. | - | - | 19 | Isaac Eddy | - | Boston. |
| Do | Bookbinders' Cutting Presses | - | - | 23 | John J. Wells | - | Hartford, Conn. |
| Do | Boiler, for Steam Engines | - | - | 25 | Ralph Bulkley | - | New York. |
| Do | Turning Lathe | - | - | 30 | Cotton White & Alban Hill | - | Hadley Mass. |
| Do | Machine for steaming and hard- | - | - | | | | |
| | ening Hats | - | - | April 2 | Nirum Wildman | - | Danbury, Conn. |
| Do | Spring Lancet | - | - | 2 | Jeremiah Dewey | - | Chelsea, Ver. |
| Do | Wheel, for spinning wool | - | - | 2 | Guy Brooks | - | Athol. Warren co. N. Y. |
| Do | Wheel Carriages | - | - | 6 | Bernard J. Malfeson | - | Burlington, N. J. |
| Do | Safety Steam Boiler | - | - | 8 | Ralph Bulkley | - | New York. |
| Do | Corn Shelling Machine | - | - | 9 | Lemuel Peek | - | Brookfield, Conn. |
| Do | Self-sharpening Plough | - | - | 9 | Waldren Beach | - | Philadelphia. |
| Do | making Pad Caps, Blinds, &c. | - | - | | | | |
| | for horses | - | - | 10 | Seth Boyden | - | Hewark, N. J. |
| Do | Horse and Oxen Shoes | - | - | 10 | Peter Sternberg | - | Danube, Herkimer coun- ty, N. Y. |

List of Patents—Continued.

| Inventions. | When Issued | Inventors' Names. | Residence. |
|--|-------------|----------------------------|-------------------------------|
| | 1824. | | |
| Improvement in the Sliding geared Water Wheel | April 12 | Sylvanus Guernsey - | Fenner, Madison county, N. Y. |
| Do making four tined Dung Forks - | 16 | Martin Stevens - | New Haven, Conn. |
| Do Cast Iron Plough - - | 16 | Thomas Altason - | Newton township, N. J. |
| Do Door and other Locks - | 20 | Richard Wilcox - | New York. |
| Do making Suction Pumps - | 21 | Daniel Johnson - | Boston. |
| Do Sink, or box hearths, for Stoves | 23 | William T. James - | New York. |
| Do Hollow inclined Horse Wheel - | 23 | Jno. Keller & Sam. J. Burt | Cincinnati, Ohio. |
| Do Cast Iron Cutter, for the ploughs | 24 | Jonathan Swan - | Cayuga county, N. Y. |
| Do Elbow Wheel, for propel'g boats | 24 | Ralph Bulkley - | New York. |
| Do Machine, for sharpening saw-mill saws - - - | 26 | Solomon Morse - | Sempronius, Cayuga co. N. Y. |
| Do Re-acting Rotary Steam Engine | 29 | Royal N. Powers - | Cincinnati, Ohio. |
| Do Steam Engine - - | 30 | Ralph Bulkley - | New York. |
| Do Generating steam of high temperature - - - | May 1 | John Babcock - | Portsmouth, R. I. |
| Do Machine, for making shingles - | 4 | James Sawyer - | Templeton, Mass. |
| Do Safety Ark - - - | 4 | William Hollins - | Baltimore. |
| Do Mail Bags - - - | 5 | Peter Laporte - | Richmond, Va. |
| Do Machine, for pressing cotton - | 5 | Franklin Shaler - | Georgetown, Ohio. |

| | | | | | |
|----|---|--------|---------------------|---|-------------------------------|
| Do | preventing the rot, and other diseases, in the cotton plant - | 6 | Samuel W. Pomeroy | - | Brighton, Mass. |
| Do | Machine, for cleaning clover seed | 6 | Isaac H. Haskins | - | Columbia, N. Y. |
| Do | do for dressing flax & hemp | 11 | Erastus Kellogg | - | Palmyra, N. X. |
| Do | Accelerating wheel head - | 17 | Diana H. Tuttle | - | Williamson, Wayne co. N. Y. |
| Do | Cast Iron Plough - - | 11 | Ross Winans - | - | Vernon, Sussex co. N.Y. |
| Do | Inclined Horse wheel - - | 14 | John Bradford - | - | Lexington, K. |
| Do | Machine, for making wrought nails - - - | 18 | Leonard Norcross | - | Livermore, Me. |
| Do | Lever power, crossing or collapsing - - - | 19 | William Scarbrough | - | Darien, Ga. |
| Do | planking vessels - - - | 19 | Ditto - | - | Ditto. |
| Do | Machine for hulling grain - | 21 | William J. Hart | - | Talmadge, Ohio. |
| Do | construction of Rudders for vessels - - - | 21 | Andrew Watkins - | - | Salem, Mass. |
| Do | Machine. for cutting straws - | 24 | Robert J. Steele - | - | Richmond co. N. C. |
| Do | Machine, for shelling corn - | 25 | Chauncey Bulkeley | - | Manchester, Ver. |
| Do | Cast Iron Steam Boiler - | 27 | John R. Averill | - | Manchester, Ontario co. N. Y. |
| Do | Hoe Harrow - - - | June 1 | Aquilla Newbern | - | Bristol township, Pa. |
| Do | Machinery, for spinning cotton | 2 | William Haworth | - | Providence township, Pa. |
| Do | Carriage of the Mule, for spinning cotton - - | 2 | Ditto - | - | Ditto. |
| Do | Horizontal double rotary Machine - - - | 5 | William C. Sullivan | - | Jefferson co. Inda. |
| Do | Construction of Rail Road - | 8 | John Stevens - | - | Hoboken N. J. |
| Do | rendering rapids and shallow rivers navigable - | 8 | Ditto - | - | Ditto. |

List of Patents—Continued.

| Inventions. | When Issued. | Inventors' Names. | Residence. |
|--|--------------|---|------------------------------|
| | 1824. | | |
| Improvement in the mode of generating steam | June 9 | David B. Lee - - | Philadelphia. |
| Do Machine for cutting straw and hay - - | 10 | Major McDonald - - | Topsbam, Me. |
| Do Self-feeding Nail Machine - - | 17 | Thomas Morgan - - | Paterson, N. J. |
| Do Carriage hub, or Gig band - - | 18 | Christian Cornelius - - | Philadelphia. |
| Do Double Side Saddle - - | 19 | Hugh M. Rose - - | Lexington, K. |
| Do breaking and swingling flax and hemp, &c. - - | 22 | William C. Davison - - | Pittsford, N. Y. |
| Do Atmospheric Engine - - | 22 | Ebenezer Prentis & John Prentis - - | Baltimore. |
| Do Carriage Springs - - | 23 | Lemuel H. Parsons - - | Stockbridge, Mass. |
| Do Washing Machine - - | 24 | Ebenezer Dewey - - | Butternuts, Otsego co. N. Y. |
| Do Machine, for forming the rolls of cotton, &c. - - | 25 | Calvin Whiting, S. Lowder & Samuel Lowder - - | Dedham, Mass. |
| Do Loom, for weaving - - | 25 | C. Whiting, J. Goulding, & W. Janes - - | Ditto. |
| Do Sliding Joint, for the backs of Settees, &c. - - | 25 | Isaiah Jennings - - | New York. |
| Do Windlass Bedstead - - | 25 | Leonard Foster - - | Boston, |
| Do making Razors - - | 28 | John Brown - - | Providence, R. I. |

| | | | | | | | | |
|----|---|---|---|--------|----|---|---|-----------------------------------|
| Do | Horizontal Spinner | - | - | July | 3 | C. Merrill. C. Batchellor, S. King, jun. | - | Lowville, N. Y. |
| Do | Umbrella | - | - | | 3 | William Gamble | - | Washington, D. C. |
| Do | Horse Scythe | - | - | | 3 | John A. Wadsworth | - | Portsmouth, R. Island. |
| Do | Mode of Watering Cattle | - | - | | 10 | Adolphus Allen | - | Troy, Pa. |
| Do | Mode of preventing Forgeries on Banks | - | - | | 12 | Nathaniel Sylvester | - | New York. |
| Do | Constructing Balances | - | - | | 13 | David Rogers | - | Auburn, N. Y. |
| Do | Construction of Bedsteads | - | - | | 14 | Obadiah R. Herbert | - | Mount Pleasant, N. J. |
| Do | Retreating Spring Lancet | - | - | | 16 | Thomas R. Williams | - | Newport, R. Island. |
| Do | Medicine for Scrofula, Rheuma- tism, &c. | - | - | | 16 | Gideon Jaques | - | Wilmington, Delaware. |
| Do | Trigonometer | - | - | | 17 | William Bolles | - | Griswold, Connecticut. |
| Do | making carbonated sarsaparilla mead | - | - | | 19 | John S. Schieffelin, | - | New York. |
| Do | Machine for thrashing grain and breaking flax and hemp | - | - | | 20 | Gideon Reynolds, | - | Ditto. |
| Do | Auger for boring post holes | - | - | | 26 | Christopher Hoxie, | - | Hudson, N. Y. |
| Do | Diving Suit | - | - | | 26 | Wm. C. Davison and Dan iel Clark, | - | Pittsford, Monroe co. N.Y. |
| Do | Revolving Hay Rake | - | - | | 26 | Henry Hoopes and Ezra Hoopes | - | Wilmington, Del. |
| Do | Curing smokey Chimneys | - | - | | 26 | Samuel Chase, | - | Williamsport, Penn. |
| Do | Crimping boots and shoes | - | - | | 27 | Ebenezer G. Pomeroy, | - | Lancaster, Fairfield co. Ohio. |
| Do | Longitudinal bar in the Piano Forte | - | - | | 29 | John Dwight, | - | Boston. |
| Do | Rotary Steam Engine | - | - | | 29 | Anthony Cooley, | - | LeRoy, Genessee co. N.Y. |
| Do | Cast Iron Plough | - | - | August | 4 | D. Chase, Ab. Gregg, and J. Gregg, | - | Palmyra, Wayne co. N.Y. |

List of Patents—Continued.

| Inventions. | | When Issued. | Inventors' Names. | Residence. |
|-------------|---|--------------|--------------------------------------|-----------------------------------|
| | | 1824. | | |
| Do | Smut Machine - - - | Aug. 12 | Phineas Pettis, - - | Tallmadge, Portage co. Ohio. |
| Do | Fanning Mill - - - | 13 | Lemuel Peck, - - | Brookfield, Connecticut. |
| Do | Machine for roping and spinning wool and cotton - - | 16 | Z. Knox and Willis Hoskins, - - - | Lowville, Lewis co. N. Y. |
| Do | Running gear for the cotton gin and corn Mill - - | 16 | Brittain Huckaby, - | Huntsville, Madison co. Alabama. |
| Do | Construction of Trusses for Ruptures - - - | 19 | Amos G. Hull, - - | New York. |
| Do | Portable two horse engine - | 21 | Benjamin F. Joslin, - | Schenectady, N. Y. |
| Do | Machine for cutting straw, hay &c. | 25 | Noah Safford, - - | Springfield, Windsor co. Vermont. |
| Do | Dyeing Hats - - - | 27 | Israel Taylor, - - | Trenton, N. J. |
| Do | Tanning - - - | 27 | Joseph Waupler, and G. Matthews, - - | Steubenville, Ohio. |
| Do | Wagons or carts for removing earth - - - | 27 | John Owings, - - | Baltimore. |
| Do | Leather Trunks - - - | 28 | Robert C. Martin, - | Philadelphia. |
| Do | Substitute for the flyer in spinning | 28 | O. G. Rogers, and N. Rogers, - - - | Whitestown, Oneida co. New York. |
| Do | Counter twisting speeder | Sep. 2 | George Danforth, - | Norton, Mass. |

| | | | | | | |
|----|---------------------------------------|---|--------|---------------------------|---|---------------------------|
| Do | Domestic spinning Machine | - | Sep. 3 | Elias Wood, | - | Lowville, New York. |
| Do | Mode of making saw plates | - | 8 | James Cloud, | - | Chester, Delaware co. Pa. |
| Do | Manufacturing paper | - | 8 | Isaac Burbank, | - | Worcester, Mass. |
| Do | Washing Machine | - | 9 | Andrew Glendening, | - | Loudon County, Va. |
| Do | Machine for cutting Apples | - | 9 | Ditto. | - | Ditto. |
| Do | Machine for killing flies | - | 9 | Ditto. | - | Ditto. |
| Do | Machine for making sausages | - | 9 | Ditto. | - | Ditto. |
| Do | in the vertical cylindrical foot mill | - | 13 | Samuel Fowks, | - | Catskill, N. Y. |
| Do | Mode of producing steam for En- | - | | | | |
| | gines | - | 13 | Joseph Buchanan, | - | Lexington, Ky. |
| Do | Construction of wheel barrows | - | 13 | Nathan Tufts 2d, | - | Charlestown, Mass. |
| Do | Applying steam boilers to hatters | - | | | | |
| | grates | - | 16 | Hubert V. Raymond, | - | New York. |
| Do | Lithography | - | 17 | David Henderson, | - | Jersey City, N. J. |
| Do | Making trusses for hanging the | - | | | | |
| | yards of ships | - | 24 | Preserved Fish, | - | New York. |
| Do | Crank wheel motion | - | 25 | James Wallace, | - | Columbia, S. C. |
| Do | Generating and applying steam | - | 29 | Stephen T. Conn, | - | Washington, D. C. |
| Do | Machine for roping and spinning | - | | | | |
| | wool and cotton | - | 29 | Abram Patterson, and Frs. | - | |
| | | - | | Burdock. | - | Delaware co. N. Y. |
| Do | Doublestitched selvage | - | Oct. 5 | J. A. Wadsworth and Eliz | - | |
| | | - | | Wadsworth, | - | Portsmouth, R. I. |
| Do | Wool and cotton spinner | - | 5 | Francis Price, | - | New York. |
| Do | Construction of saws for cutting | - | | | | Philadelphia. |
| | Veneers | - | 6 | Ross B. Richardson, | - | New York. |
| Do | Casting ornamental borders | - | 8 | Joseph L. Lewis, | - | |
| Do | Method of propelling an inclined | - | | | | |
| | wheel | - | 9 | Neale H. Shaw, | - | [ry's, Md. |
| | | - | | | | Charlotte Hall, St. Ma- |

List of Patents—Continued.

| Inventions. | When Issued. | Inventor's Names. | Residence. |
|---|--------------|--------------------------------------|--------------------|
| | 1824. | | |
| Do. Bedsteads put together with right and left screws - - | Oct. 11 | Thomas B. Smith, - | Troy, N. Y. |
| Do Scarfing and rolling the scalp for gun barrels - - - | 15 | John Bruce, - - | Springfield, Mass. |
| Do Fastening window shutters or blinds - - - | 21 | Nathaniel Briggs, - | New York. |
| Do Engine for raising weights &c. - | 21 | Almorán Holmes, - | Boston. |
| Do Mode of constructing Rail Roads | 23 | John Stevens, - - | Hoboken, N. J. |
| Do Machine for breaking flax and hemp and shelling corn - | Nov. 5 | Reynolds Gillman, - | New York. |
| Do Self sharpening Harrow - | 9 | Henry Hopkins and Jacob Pratt, - - - | Pompey, N. Y. |
| Do Machine for sharpening Curriers' Knives - - - | 9 | James Bacheder, - - | Lancaster, N. H. |
| Do Machine for shelling corn - | 13 | Lewis Whitney, - - | New York. |
| Do Domestic wool spinner - - - | 13 | Lafferd Totten, - - | Schoharie, N. Y. |
| Do Rotary Steam Engine - - - | 17 | John Gilbert, - - | Le Roy, N. Y. |
| Do Making cotton roping, slack, thread, &c. - - - | 17 | Sydney Whiting, - - | Franklin, Mass. |
| Do Machine for raising water, &c. - | 20 | William Dabney, - - | Richmond, Va. |

| | | | | |
|----|--|---------|--|-------------------------------------|
| Do | Revolving hay & grain horse Rake | 23 | Moses Pennoch, - - | Kennett Square Ches- ter co. Pa. |
| Do | Machinery for dressing flax and hemp - - - | 26 | Franklin Kellsey, | Middletown, Con. |
| Do | Machine for shaving and listing staves, &c. - - - | 26 | Daniel North and Horace Naramor, - - - | Caledonia, Livingston [N. Y.] |
| Do | in the machines for dressing flax and hemp - - - | Nov. 27 | T. S. Barnum and A. Bar- num, - - - | New York. |
| Do | Mode of obtaining Oil from the poppy seed - - - | Dec. 2 | Daniel Markham, - - | |
| Do | Machine for shelling corn - - | 2 | Benjamin Crooker, - - | New York. |
| Do | Steam Kilns - - - | 4 | George G. Moore, - - | New York. |
| Do | Preserving flour from becoming sour - - - | 4 | William Wood, Jr. - - | St. Clairsville, Ohio. |
| Do | Cutting Comb teeth - - - | 8 | Joel Brown, - - - | Springfield, Mass. |
| Do | Cheese Press - - - | 9 | Joseph Pride, - - - | Potsdam, Lawrence co. |
| Do | Gas Engine - - - | 11 | Maximin Isnard, - - | New York [N.Y.] |
| Do | Bobbin Tube, used in spinning cotton - - - | 13 | Job Manchester, - - | Warwick, R. I. |
| Do | Construction of Cellars, vaults, Magazines, &c. - - - | 14 | Ezra Ludlow, - - - | New York. |
| Do | Washing Machine - - - | 14 | John West, - - - | Middletown, Con. |
| Do | Making moccasins, &c. in moulds | 15 | John J. Staples and Wm. H. Cornell, - - - | New York. |
| Do | Mode of generating and conden- sing steam - - - | 16 | Benjamin F. Joslin, - - | Schenectady, N. Y. |
| Do | Making Bricks by pressure - - | 17 | David Flagg, Jr. - - | Gardiner, Kennebec, Me. |
| Do | Cloth shearing Machine - - | 17 | William Hovey, - - - | Worcester, Mass. |

List of Patents—Continued.

| Inventions. | When Issued. | Inventors' Names. | Residence. |
|--|--------------|--------------------------------------|-----------------------------------|
| | 1824. | | |
| Improvement in the Machine for cutting the felloes of wheels - - | 22 | Bracket L. Greenough, - | Lebanon, N. H. |
| Do Machine, for shelling corn - | 23 | Alanson Little, - | Columbia, Windham co. |
| Do generating and charging liquids with gas - - | 23 | Joseph H. Laning, - | Con. Davidson co. Ten. |
| Do Lever Truss and Sling for the yards of vessels - - | 23 | Samuel Adams Wells, - | Boston, Mass. |
| Do Mode of manufacturing salt - | 24 | Peter Cooper, - | New York. |
| Do Machine for shelling, riddling and fanning - - - | 24 | Robert Humphrey, - | Waterville, Delaware co. N. Y. |
| Do Thrashing grain and clearing it from smut - - - | 24 | Gershom Bostwick and H. Spenser, - - | Marylandtown, Otsego co. N. Y. |
| Do Plough - - - | 24 | James Y. Hunt, - | Turnbridge, Orange co. Ver. |
| Do Horizontal machine for spinning wool and cotton - - | 24 | Hiram Hunt and C. Bradish, - - - | Lowville, Lewis co. N. Y. |
| Do Machine for spinning wool - | 24 | D. Pool and Arronah Cope-land, - - - | Philadelphia. |

| | | | | | | | |
|----|---|---------|---------|--|---|---|-------------------------------|
| Do | Water and Tide Wheels | - | 24 | T. B. Van Gaasbeck and D. Sands, | - | - | Kingston, Uster co. N. Y, |
| Do | Machine for rolling and cutting Crackers | - - - | 24 | Daniel Pool, | - | - | Philadelphia. |
| Do | Machine for transporting weights &c. | - - - - | 24 | James Cornell, | - | - | Brookfield, Ver. |
| Do | Plough | - - - | 25 | Garland Ellington, | - | - | Madison co. Alabama. |
| Do | Corn Sheller | - - - | 27 | Peirson Reading, | - | - | Trenton, N. J. |
| Do | In the machinery for sawing clapboards, &c. | - - - | Dec. 28 | E. Pray, E. Benjamin, and J. S. Stone, | - | - | Maine. |
| Do | Machinery used in distilling, | - | 28 | Daniel Jackson, | - | - | Peru, Clinton co. N. Y. |
| Do | Cylindrical stave dresser, &c. | - | 29 | John R. Averill, | - | - | Manchester, Ontario co. N. Y. |
| Do | Spinning. | - - - | 31 | Sidney Whiting, | - | - | Wrentham, Mass. |

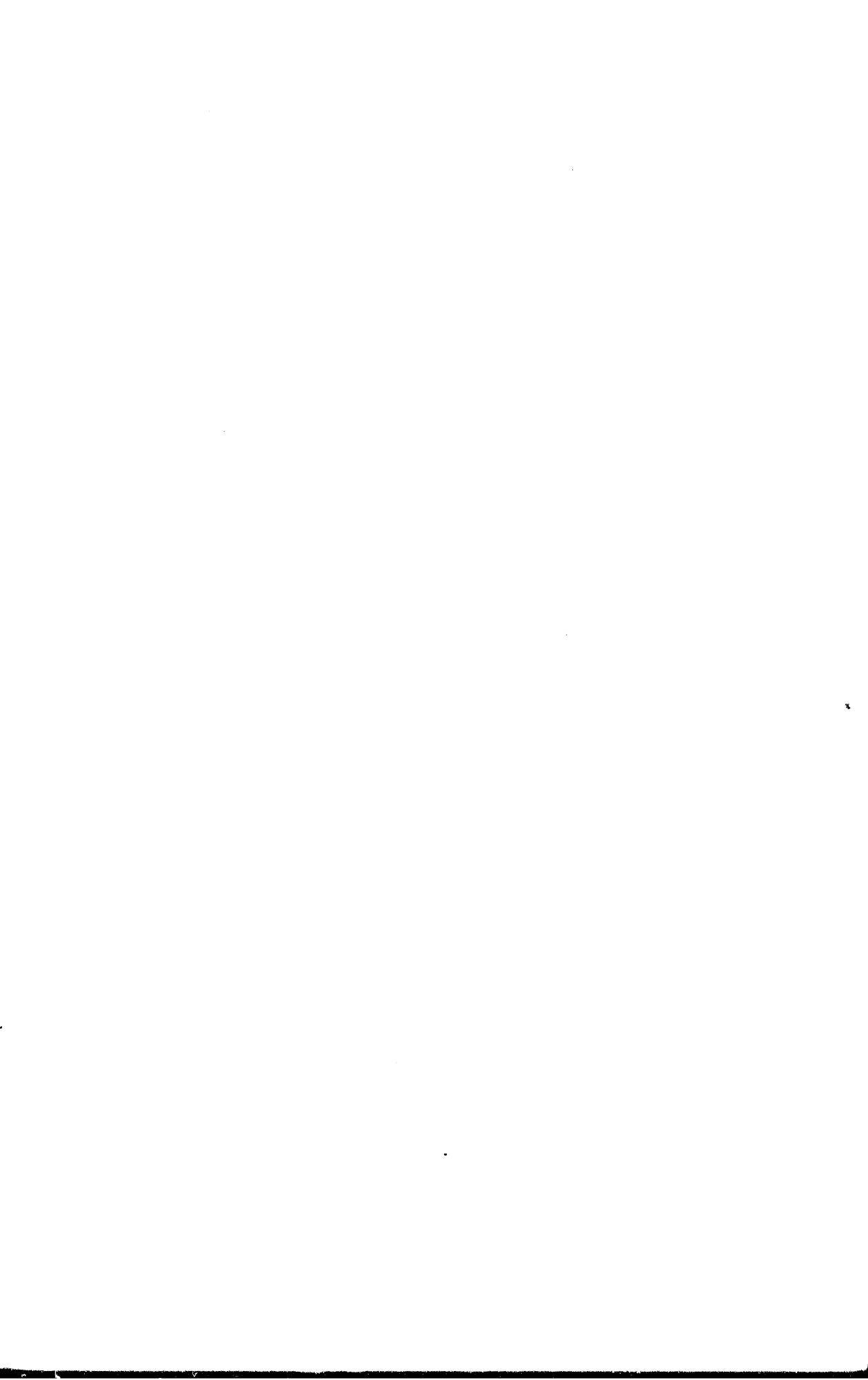
[Doc. No. 22.]

DEPARTMENT OF STATE,
January 1, 1826.

SIR: In pursuance of the resolution of the House of Representatives of the United States, dated the 13th of January, 1812, I have the honor of transmitting a list of the names of persons who have invented any new or useful art, or machine, manufacture, or composition of matter, or any improvement thereon, and to whom patents have been issued for the same, from this office, from the first day of January, 1825, to the first day of January, 1826, with the dates and general objects of such patents; and, also, the residence of the patentees, as far as they could be ascertained.

H. CLAY.

*To the Hon. the SPEAKER of the
House of Representatives of the United States.*



LETTER

FROM THE

SECRETARY OF STATE,

TRANSMITTING

A LIST OF THE NAMES OF THE PERSONS

TO WHOM

Patents have been Issued,

FOR THE

Invention of any New or Useful Art,

OR

MACHINE, MANUFACTURE, OR COMPOSITION OF MATTER,

OR

Any Improvement thereon;

From January 1st, 1825, to January 1st, 1826.

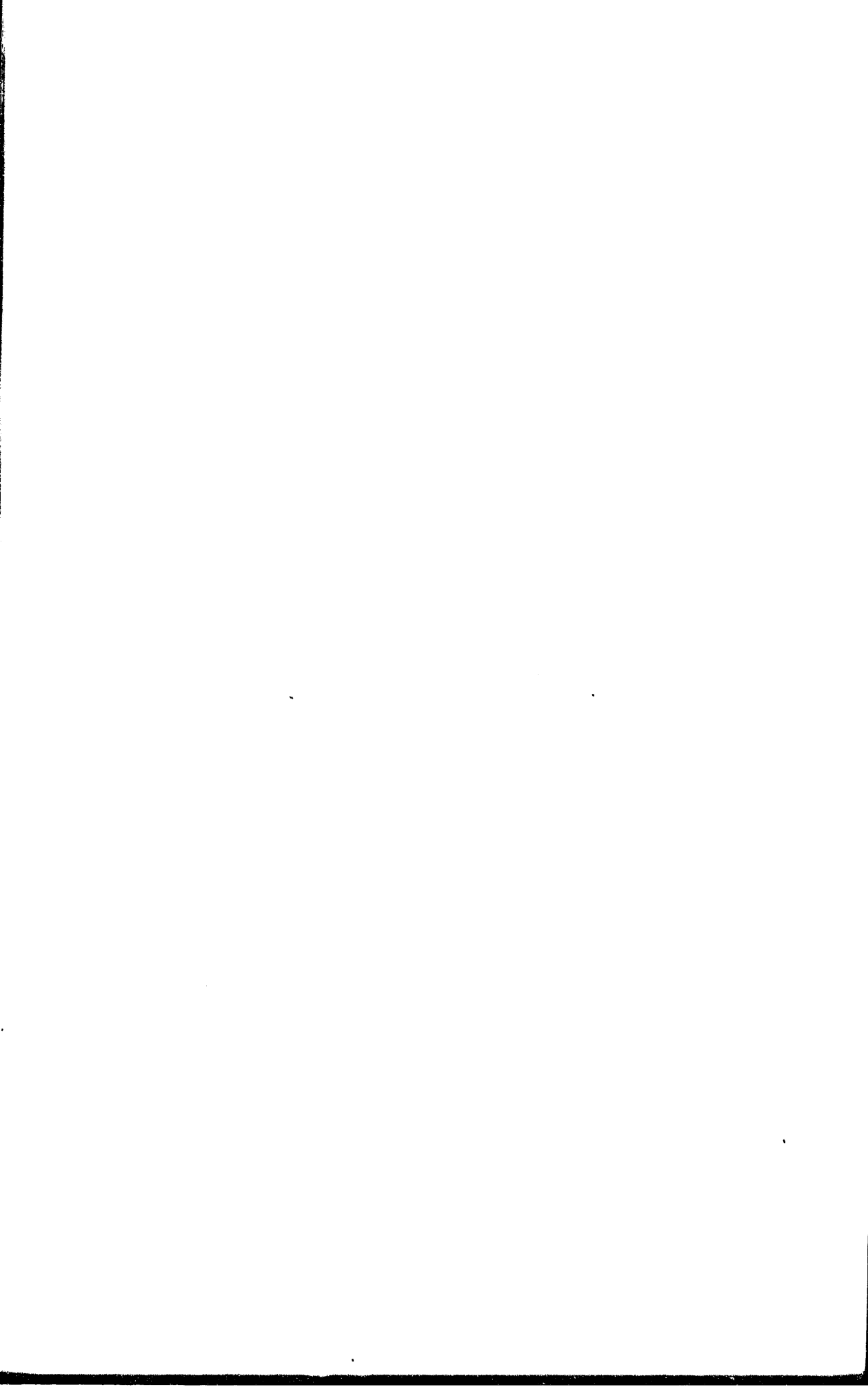
JANUARY 3, 1826.

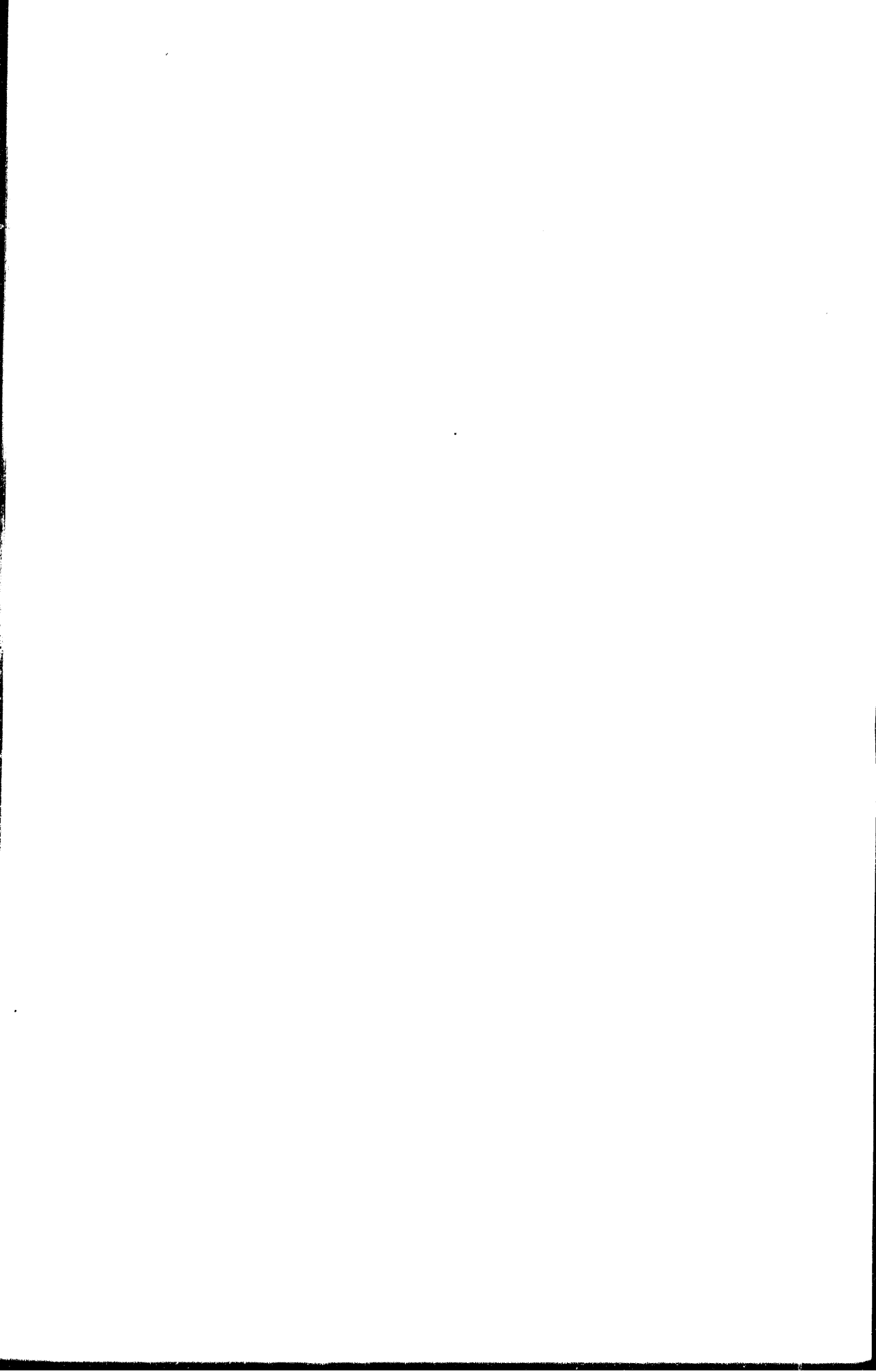
Read; and ordered to lie upon the table.

WASHINGTON :

PRINTED BY GALES & SEATON.

1826.





A LIST OF PATENTS for the year ending on the 1st January, 1826.

| Inventions, &c. | Date. | Names of Patentees. | Residence. |
|--|--------|------------------------------------|-------------------------|
| | 1825. | | |
| Improvement in the machine for hulling coffee | Jan. 1 | Roswell Abbey - - | New York. |
| Do Machine for breaking flax - | 3 | Peirson Reading - - | Trenton, New Jersey. |
| Do forcing Pump - - - - | 3 | Samuel Currey - - | Williamson, Ctv. Tenn. |
| Do cast iron mile marks - - | 13 | Wm. M. Summers - - | New York. |
| Do pan and furnace for evaporating liquids - - - - | 14 | Augustus Kolb - - | Steubenville, Ohio. |
| Do method of preserving animal substances - - - - | 19 | Ezra Daggett and Thos. Kensett - - | New York. |
| Do machine for ruling paper - | 21 | George Crosby - - | Augusta, Maine. |
| Do casting the boxes for carriages, carts, &c. - - - - | 22 | Calvin Darby - - | Worcester, Mass. |
| Do in Moccasins - - - - | 26 | Catharine Elliott - - | New York. |
| Do being a pharmaceutic composition | 26 | John C. Bay - - | Mount Pleasant, Ohio. |
| Do in the manufacture of salt - | 28 | Daniel Gerrard - - | Clay County, Kentucky. |
| Do revolving hay and grain horse rake - - - - | Feb. 8 | Moses Pennock - - | East Marlborough, Penn. |
| Do Cordage, machinery for making | 8 | Franklin Kellsey - - | Middletown, Conn. |
| Do machine for thrashing and cleaning grain - - - - | 8 | James Hyde - - | South Pembroke, N. Y. |
| Do Spiral spring latch, bolt, and lock | 9 | Abraham Blanvelt - - | New Brunswick, N. J. |
| Do condensing steam and cooling the liquor - - - - | 9 | Benjamin F. Joslin - - | New York. |

List of Patents—Continued.

| Inventions, &c. | Date. | Names of Patentees. | Residence. |
|---|-------|--------------------------|--------------------------|
| Improvement in a sign for Lottery Offices, and other purposes - - - | 1825. | Elijah Secor - - | New York. |
| Do construction of chimneys and fire places - - - | 9 | Lewis Kingsbury - - | Livonia, New York. |
| Do making shovels and spades - - - | 10 | James Wood - - | Philadelphia. |
| Do side hill plough - - - | 10 | John Rich, Jr. - - | Troy, New York. |
| Do screening tables for separating shot | 10 | John W. Honey - - | Herculaneum, Missouri. |
| Do machine for hulling and cleaning clover seed - - - | 10 | Benjamin Sutton - - | Romulus, New York. |
| Do being a mode of dying nankeen - - - | 11 | Adolphus G. Trott - - | New York. |
| Do in pointing, splitting, and waxing pegs for shoes, &c. - - - | 11 | Thomas Rowell - - | Hartford, Windsor c. Vt. |
| Do Plough - - - | 15 | Phineas Pettis - - | Portage county, Ohio. |
| Do Plough - - - | 15 | George D. Avery - - | Georgetown, D. C. |
| Do making stove pipe - - - | 16 | John Colby - - | Salisbury, Mass. |
| Do Floom for water wheels - - - | 16 | Jabez B. Fletcher - - | Richm'd, Lincoln c. Me. |
| Do administering medicine by means of steam - - - | 16 | Charles Whitlaw - - | New York. |
| Do portable cooking machine - - - | 18 | David Asher - - | Philadelphia. |
| Do Mud machine for deepening har- bors, &c. - - - | 18 | J. Watchman and J. Bratt | Baltimore. |

| | | | | | | | |
|----|---|---|-------|----|---|---|-------------------------|
| Do | Wool Carding machine | - | Feb. | 18 | Ez'l Hale, Jr. S. Hale, and James Hale | - | Haverhill, Mass. |
| Do | scale beams and balances | - | | 19 | Solomon A. Rogers | - | Philadelphia. |
| Do | bedsteads | - | | 22 | Isaac Cooper | - | Baltimore. |
| Do | Hoes | - | | 22 | Paul Whitin | - | Northbridge, Mass. |
| Do | Lever Washing machine | - | | 26 | Reuben Wheeler | - | Vergennes, Vermont. |
| Do | Flax dressing machine | - | | 28 | Francis Burdick | - | Kortright, New York. |
| Do | certain grasses for making brushes, brooms, &c. | - | | 28 | Shadrach H. Weed | . | New York. |
| Do | Windlass Bedstead | - | | 26 | Charles Adams | - | Boston. |
| Do | drawing lotteries | - | March | 3 | Jacob I. Cohen | - | Baltimore. |
| Do | Bells | - | | 3 | William Hoyt | - | Brookville, Indiana. |
| Do | carriage wheels | - | | 3 | William Cooper | - | Columbia, S. Carolina. |
| Do | shovel for excavating earth | - | | 3 | Thomas Pierce | - | Hartwick, New York. |
| Do | making pins | - | | 12 | Lemuel W. Wright | - | Manchester, England. |
| Do | circular propelling levers | - | | 12 | John Turner | - | Marcellus, New York. |
| Do | in the construction of the carding machine | - | | 12 | Nathaniel Rider | - | Sturbridge, Mass. |
| Do | preserving flour for exportation | - | | 12 | Edwin Hord & B. Brown- ing | - | Fleming county, Ken. |
| Do | construction of rail ways | - | | 15 | Edward Gray | - | Boston, Mass. |
| Do | machine for excavating earth | - | | 15 | Darius Comstock | - | Lockport, New York. |
| Do | water press for extracting tannin from bark | - | | 15 | William Lowber | - | Philadelphia. |
| Do | increasing the speed of vessels by a centre board | - | | 15 | Garret Fountain | - | Staten Island, N. York. |
| Do | changing the motion of machinery | - | | 15 | Otis Pettee | - | Newton, Mass. |
| Do | Steam Engine, and other machinery | - | | 15 | Isaiah Jennings | - | New York. |

List of Patents—Continued.

| Inventions, &c. | Date. | Names of Patentees. | Residence. |
|---|----------|--|------------------------|
| | 1825. | | |
| Improvement in bedstead and bed for the sick and lame - - | March 18 | Jeremiah Baily - | Philadelphia. |
| Do elevator for pots, kettles, and other vessels - - | 19 | John Edwards - - | New York. |
| Do machine called the "Ne plus ultra" - - | 21 | Jeremiah Baily - - | Philadelphia. |
| Do Weaving Loom - - | 21 | Roswell Wilcox - - | Columbus, Ohio. |
| Do Horizontal Water Wheel - - | 24 | Ebenezer Thomson - | Manchester, New York. |
| Do Tanning - - | 24 | Henry Bretney - - | Lebanon, Ohio. |
| Do machine for separating the seed from cotton - - | 24 | Jos. Leavitt, Comt. Lane, Thad. Leavitt - - | Suffield, Connecticut. |
| Do machine for boring for water - - | 24 | Levi Distrow - - | New Brunswick, N. J. |
| Do Plough - - | 25 | George D. Avery - - | Georgetown, D. C. |
| Do Churn - - | 25 | Abiram Baird - - | Schoharrie, N. York. |
| Do machine for lasting boots, &c. - - | 25 | John Eells, Jr. - - | Unadilla, N. York. |
| Do machine for dressing flax - - | 26 | William Wheeler - - | Warren, N. York. |
| Do machine for scouring and fulling cloth - - | 26 | Horace Hickox - - | Rutland, New York. |
| Do ship's deck lights - - | 26 | George Gray - - | Lynn, Mass. |
| Do manufacturing cotton into yarn - - | 26 | Luther Crane - - | Ware, Mass. |
| Do Fanning Mill for cleaning grain - - | 26 | Enoch Walker - - | Springville Penn. |
| Do the Conical Spiral Spring Truss - - | 31 | Jesse R. Hovey - - | Sangerfield, New York. |

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|----|---|-------|----|------------------------------------|-------------------------|
| Do | the Dowelling Bit, used in ship building | April | 2 | John Thomas | Washington, D. C. |
| Do | Vertical Spinner | | 4 | Samuel Slater | Midd' town, Conn. |
| Do | making furniture oil cloth | | 4 | Isaac Macauley | Philadelphia. |
| Do | Musical Glasses, called the Grand Harmonicon | | 7 | Francis H. Smith | Northampton, Virginia. |
| Do | fire places and chimneys | | 7 | Cyrus Blood | Washington county, Md. |
| Do | Desmond's mode of obtaining the tanning principle of bark | | 11 | Joseph Giles | Guilford, Vermont. |
| Do | mode of applying horse power to machinery | | 11 | Benjamin Mattby | New York. |
| Do | machinery for roving cotton or wool | | 11 | William Whitehead | Paterson, New Jersey. |
| Do | machine for cutting bark and dye woods | | 11 | Henry Haight, Jr. and H. White | Stamford, Connecticut. |
| Do | machine for shaving leather | | 11 | J. P. Houston and Otis Batchelder | Bedford, N. Hampshire. |
| Do | Pendulum power regulated by a fly wheel | | 13 | W. W. McIntosh and Wm. Barnheart | Aurelius, Ohio. |
| Do | Naval Architecture | | 14 | John Thomas | Washington. D. C. |
| Do | construction of Bellows for furnaces. &c. | | 14 | Henry Dotterer | Philadelphia. |
| Do | self-sharpening plough | | 14 | Cadwallader Evans and Oliver Evans | Philadelphia. |
| Do | double inclined plane for canals | | 15 | Archibald Tanner | Warren, Penn. |
| Do | construction of furnaces for burning fossil coal | | 15 | Daniel Stansbury | Belleville, New Jersey. |
| Do | buildings for school rooms, academies, &c. | | 16 | S. W. Taylor and J. W. Martin | Lowville, New York. |

List of Patents—Continued

| Inventions, &c. | Date. | Names of Patentees. | Residence. |
|---|-------------------|---------------------------|--------------------------------------|
| Improvement in the Churn - - - | 1825. April 19 | John P. Bortle - - | Claverack, Columbia cty New York. |
| Do machine for sawing the teeth in combs - - - | 20 | Philo Pratt - - | New York. |
| Do machine for slitting iron, &c. - - | 21 | Jesse Reed - - | Marshfield, Mass. |
| Do feeding apparatus for nails and tacks - - - | 22 | Do - - | Do. |
| Do machine for cutting and heading nails and tacks - - - | 22 | Do - - | Do. |
| Do making yellow nankeen or buff colors - - - | 28 | Joseph B. Nones - - | Philadelphia. |
| Do machinery for splaying or flaring iron - - - | 28 | Noah Sutton - - | New York. |
| Do winding machine for setting up hat bodies - - - | 28 | Joseph Grant - - | Providence, R. I. |
| Do dry docks for repairing vessels - - | 29 | Christian Bergh - - | New York. |
| Do machinery for shelling and grind- ing corn, &c. - - - | May 4 | Samuel Fowks - - | Catskill, New York. |
| Do machine for shelling corn - - - | 4 | Francis Price - - | New York. |
| Do the mode of packing cotton - - - | 4 | Webb Hart - - | Petersburg, Virginia. |
| Do construction of Astronomical clocks - - | 5 | Henry Miller - - | East Hanover, Penn. |
| Do water pump - - - | 6 | Jonathan Babcock, Jr. - - | Edmiston, New York. |

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|----|---|---|---|----|--------------------------------|---|---|------------------------|
| Do | beer and cider pumps | - | - | 6 | Richard Sealy | - | - | New York. |
| Do | transportation of merchandise on a single rail | - | - | 6 | Henry Sargent | - | - | Boston, Mass. |
| Do | Plough | - | - | 7 | Stephen W. Whitman | - | - | Harpersfield, Ohio. |
| Do | constructing and drawing lotteries | - | - | 9 | Moses Davis | - | - | Cumberland cty Maine. |
| Do | Churn | - | - | 9 | Asa Humphrey | - | - | Gray, Maine. |
| Do | Lever purchase, rivet and bolt cutter | - | - | 12 | Holly Seely | - | - | Unadilla, New York. |
| Do | Raising the nap of cloth | - | - | 12 | Job. Wilkinson | - | - | New York. |
| Do | family and factory spinner | - | - | 13 | Richard Woolsey | - | - | Kortright, New York. |
| Do | distilling spirits by steam | - | - | 13 | William Avery | - | - | Pompey, New York. |
| Do | Cast Iron Mill for grinding grain | - | - | 14 | Henry Bailey | - | - | Hartford, Connecticut. |
| Do | construction of lottery schemes | - | - | 16 | John W. Tognno | - | - | Philadelphia. |
| Do | union of the cooking with the Franklin stove | - | - | 18 | Thomas Wentworth | - | - | Oswego, New York. |
| Do | Mowing machine | - | - | 18 | Ezra Cope & T. Hoopes, jr. | - | - | Chester county, Penn. |
| Do | wooden wheeled thirty hour clocks | - | - | 18 | Eli Terry | - | - | Plymouth, Connecticut. |
| Do | machine for thrashing grain and breaking flax. &c | - | - | 19 | Abner Reminton and N. Reminton | - | - | Genoa, New York. |
| Do | Rotary Steam Engine | - | - | 20 | Elisha Hale | - | - | Pomfret, New York. |
| Do | Thrashing grain and shelling corn | - | - | 20 | Pierson Reading | - | - | Trenton, New Jersey. |
| Do | Thrashing machine | - | - | 20 | Richard Holden | - | - | Philadelphia, Penn. |
| Do | calculating and drawing lotteries | - | - | 25 | William Seger | - | - | Bergen, New Jersey. |
| Do | Brown's Vertical Spinner | - | - | 26 | J. R. Wheeler & J. B. Wheeler | - | - | Kingsbury, New York. |
| Do | manufacture of wrought nails | - | - | 26 | Henry Burden | - | - | Troy, New York. |
| Do | mode of planting cotton | - | - | 26 | Christopher Ford | - | - | Paineville, Virginia. |
| Do | being a Geographical Garden | - | - | 27 | George W. Cherry | - | - | Derby, Connecticut. |

List of Patents—Continued.

| Inventions, &c. | Date. | Names of Patentees. | Residence. |
|--|--------|--|--------------------------------------|
| | 1825. | | |
| Improvement in the machinery for boring and mortising - - - | May 28 | Job. Wilkinson - - | Pennfield, Monroe, county, New York. |
| Do on B. Farr's improvement on Hull's patented truss - - - | 28 | Eli M. Gibbs - - | Norwich, New York. |
| Do in the Horizontal Water Wheel - - - | 28 | O. Latham, L. Bennet, and J. Green - - | Oneida county, N. York. |
| Do machine for roping and spinning wool and cotton - - - | 30 | Francis Burdick - - | Kortright, New York. |
| Do in the art of cutting paper, books, &c. - - - | 30 | Joseph Woodhouse - - | Otsego, New York. |
| Do lighting the binnacles of ships, street lamps, &c. - - - | June 1 | Joseph F. Smith - - | Baltimore. |
| Do being a machine for making thread of wood - - - | 1 | William Bell - - | Fayette county, Ken. |
| Do in the mode of lessening friction in canal boats, &c. - - - | 1 | Peter Freeman - - | Morris county, N. Jersey. |
| Do in the machinery and art of locking doors, &c. - - - | 2 | John Dillingham - - | Turner, Maine. |
| Do in making post and other coaches | 2 | Richard Ward - - | Schenectady, New York. |
| Do in the jack for raising wagons, &c. | 3 | William Hoyt - - | Brookville, Indiana. |
| Do in fire places - - - | 3 | Do. - - | Do. |

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| Do | in the mode of making percussion guns - - - - | 3 | James Tyrer - | Petersburg, Virginia. |
| Do | being a water tight bulkhead for steam boats - - - - | 6 | Ruggles Whiting - | Louisville, Kentucky. |
| Do | in the hatter's planking kettle - | 6 | Ezra Joyce - | Brooklyn, New York. |
| Do | on S. Ballou's thrashing machine | 7 | J. C. Boyd and Andrew Kitchin - - | Rushtownship, Northum- berland county, Penn. |
| Do | being an alternate propelling lever in the machine for moulding and making bricks - - - - | 9 | Robert Smith - | Port Gibson, Mississippi. |
| Do | in the mode of raising water - - | 11 | James Lee and Jarvis Ring | Ogden, New York. |
| Do | in the machine for making wooden ware - - - - | 11 | Scott Fickett - | New York. |
| Do | in the stove for burning Lehigh coal - - - - | 14 | Larmon Z. Parke - | Windham, New York. |
| Do | being machinery for templing cloth on his machine for roasting coffee | 16 | John Lovatt - | Philadelphia. |
| Do | being a kiln for charring coal - - | 16 | Philo C. Curtis - | Paris, New York. |
| Do | on Jas. Lee's machine for mould- ing bricks - - - - | 18 | Peregrine Williamson - | Baltimore. |
| Do | being a mode of rectifying distill- ed spirits by steam - - - - | 20 | Conrad Kownslar - | Mill Creek, Berkley county, Va. |
| Do | in the corn shelling machine - - | 21 | Timothy P. Kneeland - | Ogden, New York. |
| Do | being a water power press for cot- ton - - - - | 21 | Jonathan Shaw - | South Port, New York. |
| Do | on floating dry docks, for repair- ing vessels, &c. - - - - | 22 | William C. Hawley - | New York. |
| Do | in the mode of manufacturing salt by steam - - - - | 23 | Josiah Durden - | Washington, Autauga county, Alabama. |
| | | 23 | Wm. R. Loweree - | New York. |
| | | 25 | Benjamin Barlow - | Geddes, New York. |

List of Patents—Continued.

| Inventions, &c. | Date. | Names of Patentees. | Residence. |
|---|---------|---|---------------------------|
| | 1825. | | |
| Improvement in the construction of inclined planes for drawing up vessels | June 27 | Edward Clark | New York. |
| Do in his machine for shelling corn - | 27 | John Moon | Morrisville, Penn. |
| Do in the plough, called "the Auburn Plough" - | 27 | Wm. F. Richardson | Auburn, New York. |
| Do being a machine for grinding or grating apples - | 28 | Joel Farnham | Tioga, New York. |
| Do in the machine for spinning wool and cotton - | 28 | A. S. Wittse and Joel Farnham | Tioga, New York. |
| Do being a method of applying ice to conduit pipes - | 29 | Henry Cunningham | Johnstown, New York. |
| Do in the marine elevating dock - | July 11 | Ephraim Buck, Henry Crehore, Robt. Gerry, and Abel Bayard | Boston. |
| Do in making keelers or pans for holding milk - | 20 | Amos Miner | Camillus, New York. |
| Do in the machine for knapping cloths | 20 | Stephen Marsh | Fairfax, Vermont. |
| Do in the construction of cider mills | 20 | Timothy Showerman | Covington, New York. |
| Do in the strap auger - | 20 | Silas Gore | Sheshequin, Penn. |
| Do in making salt from sea water and saline springs - | 20 | William Barker | Smithfield, Rhode Island. |

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|----|---|---------|---------------------------------------|--------------------------|
| Do | the manufacture of window and bed curtains - - - | Aug. 23 | Samuel Abbot and Joseph Prentis - - - | Chester, Mass. |
| Do | preponderating scale - - - | 23 | Ezekiel Skinner - - - | Camillus, New York. |
| Do | mode of making divitials and preventing forgery - - - | 23 | Constan'e Sam'l Rafinesque | Lexington, Kentucky. |
| Do | in the method of pressing brick - - - | 24 | John Moore - - - | Gardiner, Maine. |
| Do | in the machine for thrashing grain in plaster, called the three fold cement - - - | Sept. 9 | William Hoyt - - - | Brookville, Indiana. |
| Do | in the machine for thrashing grain in the corn shelling machine - - - | 9 | Ezra Godfrey - - - | New York. |
| Do | in making window shades, &c. - - - | 9 | William Small - - - | Augusta, Maine. |
| Do | in the method of making glass furniture, &c. - - - | 9 | Samuel Lane - - - | Hallowell, Maine. |
| Do | in propelling carriages by steam in the construction of plane irons in the loom - - - | 9 | Rufus Conant - - - | Lynn, N. Hampshire. |
| Do | being a machine for bending the tire of wagon wheels - - - | 9 | John P. Bakewell - - - | Pittsburg, Pennsylvania. |
| Do | roller applied to the springs of pleasure wagons - - - | 9 | Edward Clarke - - - | New York. |
| Do | being a fender to protect steam boats, &c. - - - | 9 | Peregrine Williamson - - - | Baltimore. |
| Do | in wooden wheeled 30 hour clocks in the delineator for giving fac similes - - - | 9 | Joseph Scholfield - - - | Stonington, Conn. |
| Do | in making bellows - - - | 9 | Joseph Meredith - - - | Lebanon, Pennsylvania. |
| Do | the American Lottery, being a system of arithmetical chances - - - | 9 | John Barton, jr. - - - | Providence, R. I. |
| | | 9 | Edmond Chs. Genet - - - | New York. |
| | | 9 | Eli Terry - - - | Plymouth, Connecticut. |
| | | 9 | Jonas Wickes - - - | New York. |
| | | 9 | Josiah J. Eddy - - - | Providence, R. I. |
| | | 9 | Eliphalet Nott - - - | Union College, N. York. |

List of Patents—Continued.

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| Inventions, &c. | Date. | Names of Patentees. | Residence. |
|---|---------|---------------------------------|--------------------------|
| | 1825. | | |
| Improvement in making milk pans of stone ware | Sept. 9 | Sandford S. Perry - | Troy, New York. |
| Do in warming rooms, &c. - - | 9 | William Baker - - | Springfield, New York. |
| Do in making salt - - - | 9 | Calvin Guiteau - - | Geddes, Onondago, N. Y. |
| Do in the machine for cutting teeth in ivory combs - - - | 9 | Philo Pratt - - | New York. |
| Do in the construction of a carriage with a calash top - - | 9 | George Holloway - | Baltimore. |
| Do in the mode of pressing straw bonnets, &c. - - - | 14 | Simon Pittee - - | Foxborough, Mass. |
| Do in the mode of securing lightning rods to houses - - | 24 | J. Brown and G. W. Robinson - - | Providence, R. I. |
| Do in the press for pressing brick - | 24 | Mark Twitchell - - | Gray, Maine. |
| Do in the kettle and boiler for heating water - - - | 26 | Philo N. Griffith - | Orange, Essex cty. N. J. |
| Do in the bake oven - - - | 27 | Henry Reip - - | Baltimore. |
| Do apparatus for keeping the teeth free from saliva whilst stopping | 27 | Charles Newton - | New York. |
| Do in making fire bricks - - | 27 | Richard W. Smith - | Baltimore. |
| Do in Steam Engine, called the power wheel - - - | 27 | John A. Wadsworth - | Portsmouth, R. I. |
| Do in the machine for cutting and chipping dye woods - - | 27 | Ephraim Morris - | Bloomfield, N. J. |

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| Do | in the machine for packing cotton | - |
| Do | in the machine for bending the tire of carriage wheels | - |
| Do | in the machinery for propelling boats | - |
| Do | in the method of distilling spirits | - |
| Do | in the mode of preparing fur for hatters | - |
| Do | in setting up the standing rigging of vessels | - |
| Do | being a compound rotary saw | - |
| Do | in the furnace for heating hatter's finishing irons, &c. | - |
| Do | in the leading bars (or tongues) of four horse carriages | - |
| Do | in the forge and furnace water back and towel | - |
| Do | in the mortice and common door lock | - |
| Do | in the mode of making butter by machinery | - |
| Do | in the Steam Engine | - |
| Do | in saddles | - |
| Do | in saddles | - |
| Do | in the mode of extracting the strength from coffee | - |
| Do | in the mode of pressing bricks and tiles | - |

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|----|---------------------------------|---|--------------------------------------|
| 28 | Lewis Laysard | - | Halifax, N. Carolina. |
| 28 | Chs. Cooper and Abr'm Tustin | - | Lebanon, Pennsylvania. |
| 28 | Henry R. Teller | - | Schenectady, N. York. |
| 28 | Abraham Whiston | - | Staunton, Virginia. |
| 28 | Arnold Buffum | - | Troy, Massachusetts. |
| 28 | Benjamin W. Booth | - | U. S. Navy, Washington, D. C. |
| 29 | Adam Stewart | - | Boston, Massachusetts. |
| 29 | Garret V. Raymond | - | Richmond, Virginia. |
| 29 | Lucius W. Stockton | - | Uniontown, Penn. |
| 29 | Asa Blood | - | Conhocton, Steuben cty. New York. |
| 29 | Turner Whitehouse | - | Boston. |
| 29 | Ezekiel Waterhouse | - | Gardiner, Maine. |
| 30 | Wm. Avery and Hiram Scoville | - | Pompey, New York. |
| 30 | Thomas G. Prettyman | - | Alexandria, D. C. |
| 30 | Lacy White | - | New York. |
| 30 | Lewis Martelley | - | New York. |
| 30 | Samuel Lane | - | Hallowell, Maine. |

A List of Patents—Continued.

| Inventions, &c. | Date. | Names of Patentees. | Residence. | |
|--|----------|------------------------------------|------------------------|----------------------|
| | 1825. | | | |
| Improvement in the apparatus for rectifying spirits - - - | Sept. 30 | L. C. Bodmann and Ph. Bodmann - - | Baltimore. | |
| Do in the Plough - - - | Oct. 1 | Gideon Davis - - | Georgetown, D. C. | |
| Do in compressing and smoothing unburnt bricks, &c - - | 1 | Thomas Norcross & Geo. Pollard - - | Hallowell, Maine. | |
| Do in the mode of preventing the decay of ships - - - | 1 | Anthony Planton - - | Philadelphia. | |
| Do machine for breaking and dressing flax - - - | 5 | Joseph Briggs - - | Schoharie, New York. | |
| Do in the machine for pressing cotton being a machine for raising canal boats to be repaired - - | 8 | Jacob N. Gordon - - | Plymouth, N. Carolina. | |
| Do in cast iron hubs for wheels - - | 25 | Silvester Doolittle - - | Rochester, New York. | |
| Do in the kiln for burning brick, tiles, &c. - - - | 29 | Benjamin Lyman - - | Manchester. Conn. | |
| Do being Hydrostatic and Aerostatic machinery - - - | 31 | John Duff - - | Washington, D. C. | |
| Do in saw mills - - - | Nov. 31 | Edmond Chs. Genet - - | Albany, New York. | |
| Do called the Chiro Velocipede - - | 1 | Ebenezer Whiting - - | Ithica, New York. | |
| Do being a reverberating grate - - | 1 | Gideon Barker - - | Providence, R. Island. | |
| Do in the horse wheel barrow - - | 1 | Robert Mayo - - | Richmond, Virginia. | |
| | | 1 | Jireh Rowley - - | Pittsford, New York. |

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|----|--|---|-------------------------|---|-----------------------------|
| Do | in the method of grooving and beading marble | 1 | Harlow J. Torrey | - | New York. |
| Do | in the method of smoothing and polishing marble | 1 | Do. | - | Do. |
| Do | in the machine for shelling corn | 1 | Amon Bailey | - | Poultney, Vermont. |
| Do | called the compound Pendulum Lever | 1 | Cyrus Berry | - | Poughkeepsie, N. York. |
| Do | in the horizontal water wheel | 2 | Abraham Lippitt | - | Windsor, Ohio. |
| Do | in bedsteads | 2 | John McClintic | - | Chambersburg, Penn. |
| Do | in the reaping and cutting machine | 2 | James Ten Eyk | - | Bridgewater Township, N. J. |
| Do | in the mode of drawing water from wells | 2 | Elijah Willard | - | Egremont, Mass. |
| Do | converting rectilenear into circular motion | 3 | Robert Dennis | - | Rahway, New Jersey. |
| Do | in the machine for pressing oil, &c. | 3 | Isaac Clowes | - | Hampton, Virginia. |
| Do | in the currier's knife for shaving leather | 3 | James Batchelder | - | Lancaster, N. Hampshire. |
| Do | in the springs for wagons | 4 | Hazard Knowles | - | Colchester, Connecticut. |
| Do | called a re-acting or lever wheel | 4 | Luther Davis | - | Northampton, Mass. |
| Do | in cast iron shoes for horses or oxen | 4 | Stephen W. Whitman | - | Madison, Ohio. |
| Do | in the thrashing machine | 5 | R. Howard & J. B. Flagg | - | Kennebec cty. Maine. |
| Do | called the double tenon draw key bedstead | 5 | Samuel Cooper | - | Chambersburg, Penn. |
| Do | in the fan and screen in cleaning grain for grinding | 7 | John Peyton | - | Orange cty. Virginia. |
| Do | in constructing furnaces for burning Anthracite coal | 7 | Oliver Woodruff | - | New York. |

List of Patents—Continued.

| Inventions, &c. | Date. | Names of Patentees. | Residence. |
|---|--------|---|----------------------|
| | 1825. | | |
| Improvement in the truss for ruptures - | Nov. 7 | Christian Stockman - | Albany, New York. |
| Do in the straw cutting machine - | 7 | Benj. A. Hall and Chauncey Hall - - | Middletown, Conn. |
| Do in the apparatus used in dying hats | 8 | Morris Burt - - | Warwick, New York. |
| Do in the method of drawing lotteries | 8 | Joseph Howard and Allbigeance Hayward - | Providence, R. I. |
| Do in the tooth for the cultivator or hoe harrow, &c. - - | 8 | William Beach - - | Philadelphia. |
| Do in the washing machine - - | 8 | Moses J. Clark - - | Auburn, New York. |
| Do in the Rotary Steam Engine - | 12 | J. R. Averill and Frs. Hoard - - | Rochester, New York. |
| Do in tanning - . - | 12 | Sam'l and Amos Williams | Orange, New Jersey. |
| Do in machinery for raising water and sawing timber - - | 15 | John Winter - - | Brutus, New York. |
| Do in the printing press - - | 15 | Daniel Neale - - | Philadelphia. |
| Do in sawing shingles with a gang of saws - - - | 15 | Jonathan Culver - | Norfolk, New York. |
| Do in making metal eyes for weavers harness - - - | 15 | J. Conger and L. Woodbury - - | Locke, New York. |
| Do being an elementary circulating steam engine - - | 16 | Timothy Beach - - | Deer Creek, Ohio. |

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|----|---|------|----|-------------------|---|--------------------------------|
| Do | called the alarm or reversed safety valve | Nov. | 16 | Wm. S. Gillett | - | Lower Three Runs, S. Carolina. |
| Do | in making coach lace | | 18 | Wm. G. Barnet | - | Newark, New Jersey. |
| Do | in the machine for raising boats from canals, &c. | | 18 | Elisha Turner | - | Rochester, New York. |
| Do | in the punch, rivet, and screw cutter | | 18 | Levi C. Judson | - | Waterville, New York. |
| Do | in the vice used in cutting combs | | 22 | Philo Pratt | - | Mereden Connecticut. |
| Do | called the compound Evaporator | | 23 | John A. Wadsworth | - | Portsmouth, R. I. |
| Do | in the saw mill | | 24 | Isaac Ryon | - | Bridgewater. Mass. |
| Do | in the method of generating steam | | 26 | Mahlon Betts | - | Wilmington, Delaware. |
| Do | in the apparatus for distilling | | 26 | John C. Douglass | - | Troy, New York. |
| Do | in the Anthracite coal furnace, &c. | | 26 | John L. Sullivan | - | New York. |
| Do | in the mode of generating and applying steam | | 29 | Stephen T. Conn | - | Do. |
| Do | in mills for grinding grain, &c. | Dec. | 2 | Joseph Ives | - | Do. |
| Do | in the brand for branding flour barrels, &c. | | 2 | Wm. Ross | - | New Orleans. |
| Do | being a machine for working butter, and cutting curds | | 5 | James Buck | - | Chatham, Connecticut. |
| Do | in the revolving oven for baking, &c. | | 5 | Stephen Harris | - | Norfolk, Virginia. |
| Do | in the press for packing cotton | | 8 | David Wilkinson | - | North Providence, R. I. |
| Do | in the washing machine | | 8 | Shelbern Bostwick | - | Thompson, Ohio. |
| Do | in the corn shelling machine, &c. | | 8 | Christopher Hoxie | - | Hudson, New York. |
| Do | in the machine for pressing cheese, &c. | | 9 | Lebbeus Caswell | - | Harrison, Maine. |
| Do | in the mode of grinding apples and other fruit | | 9 | Bela Churchill | - | Buckfield, Maine. |

[Doc. No. 27.]

DEPARTMENT OF STATE,

January 1st, 1827.

SIR : In pursuance of the resolution of the House of Representatives of the United States, dated the 13th of January, 1812, I have the honor of transmitting a list of the names of persons who have invented any new or useful art, or machine, manufacture, or composition of matter, or any improvement thereon, and to whom patents have been issued for the same, from this office, from the 31st day of December, 1825, to the 1st day of January, 1827, with the dates and general objects of such patents :and, also, the residence of the patentees, as far as they could be ascertained.

H. CLAY.

To the Hon. the SPEAKER
of the House of Representatives of the U. S.

List of Patents—Continued.

| Inventions, &c. | Date. | Names of Patentees. | Residence. |
|---|---------|--------------------------------------|------------------------|
| | 1825. | | |
| Do in preventing doors, &c. being too tight - - - | Dec. 12 | Daniel Fraser - - | New York. |
| Do in making wooden screws - | 12 | James Lynch - - | Pulaski, Tennessee. |
| Do in making boots and shoes water proof - - - | 14 | Patrick G. Nagle - | Philadelphia. |
| Do in trusses for ruptures - - | 15 | John Blagge - - | Portland, Maine. |
| Do in the machine for cutting paper | 17 | John M. Clintic - | Chambersburg, Penn. |
| Do in Piano Fortes - - - | 17 | Alpheus Babcock - | Boston, Mass. |
| Do in the mill for sawing shingles - | 17 | Ephraim Parker - | Cheshire county, N. H. |
| Do in the machine for cleaning rice - | 21 | Alexander Shinie - | Charleston, S. C. |
| Do in the mortising machine - | 22 | Ezra Ripley - - | New York. |
| Do in the fresh water dry dock - | 22 | Levi H. Clarke and Lewis M. Wiss - - | Do. |
| Do in the cast iron box for the hubs of wheels - - - | 28 | Jeremiah Witt - - | Chambersburg, Penn. |
| Do in the system of lotteries and mode of drawing - - | 28 | Francis W. Dana - | Boston, Mass. |
| Do in the mode of rotting flax and hemp by steam - - | 28 | Achilles Chinn - - | Harrison county, Ken. |
| Do in the mode of regulating the speed of carriages - - | 28 | Thomas Blanchard - | Springfield, Mass. |

| | | | | | |
|-----------|---|----|--------------------------|---|---|
| Do | in the application of steam to machinery generally - - | 29 | Michael Musselman | - | Phelps, Ontario cty N. Y. |
| Do | in the mode of planking wool hats, &c. by machinery - - | 31 | Laban L. Macomber | - | Bath, Lincoln cty Maine. |
| Do | in the machine for raising boats, &c. - - | 31 | Elisha Turner | - | Rochester, Monroe cty. New York. |
| Do | in the mode of pressing unburnt bricks - - | 31 | Thomas Norcross | - | Hallowell, Maine. |



PATENTS FOR USEFUL INVENTIONS IN 1826.

LETTER

FROM

THE SECRETARY OF STATE

TRANSMITTING

A LIST OF THE NAMES OF PERSONS

TO WHOM

PATENTS HAVE BEEN ISSUED,

FOR THE INVENTION OF ANY

NEW OR USEFUL ART, OR MACHINE, MANUFACTURE OR COMPOSITION OF MATTER, OR ANY IMPROVEMENT THEREON,

From Jan. 1st 1826, to Jan. 1st, 1827.

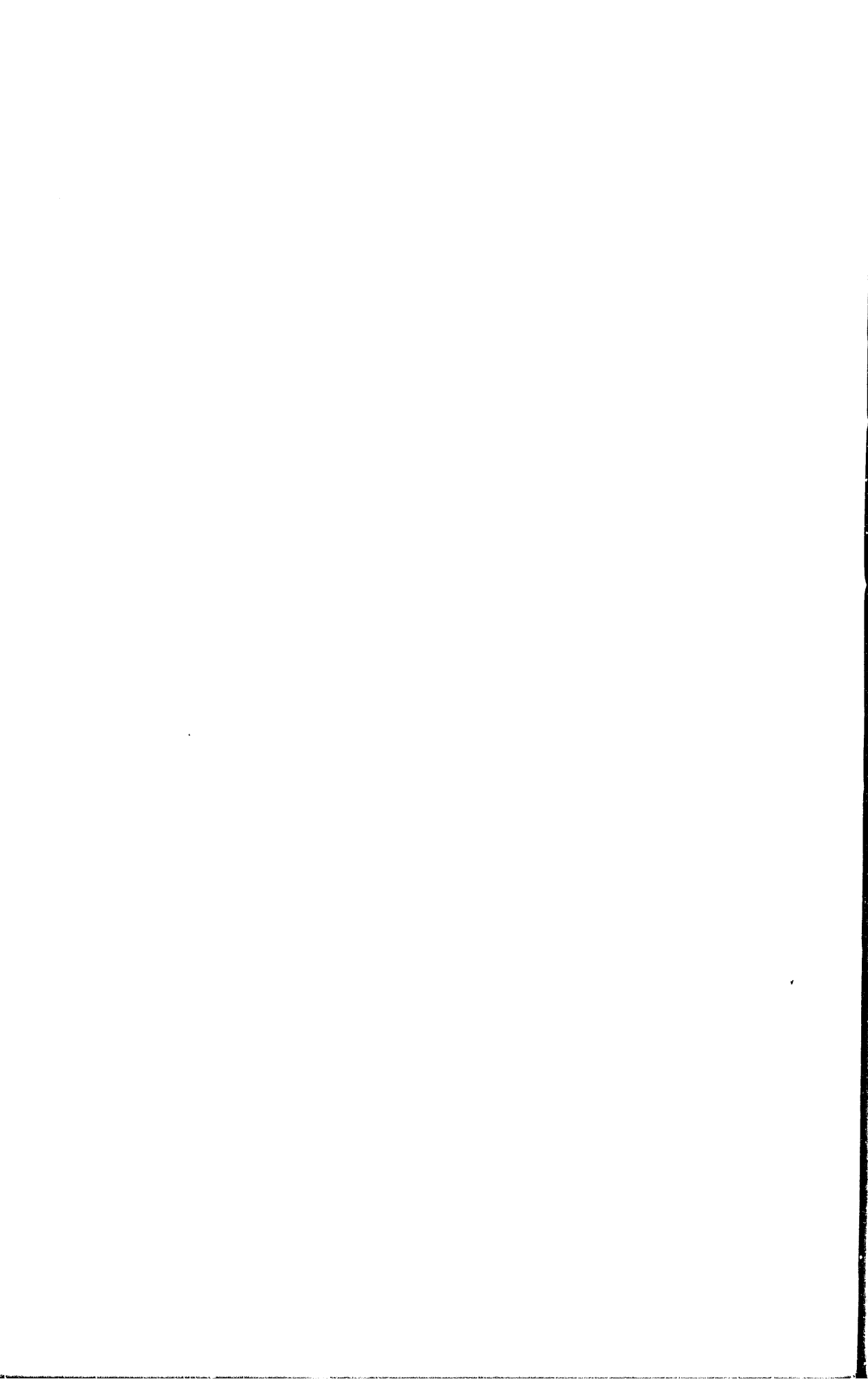
JANUARY 8, 1827,

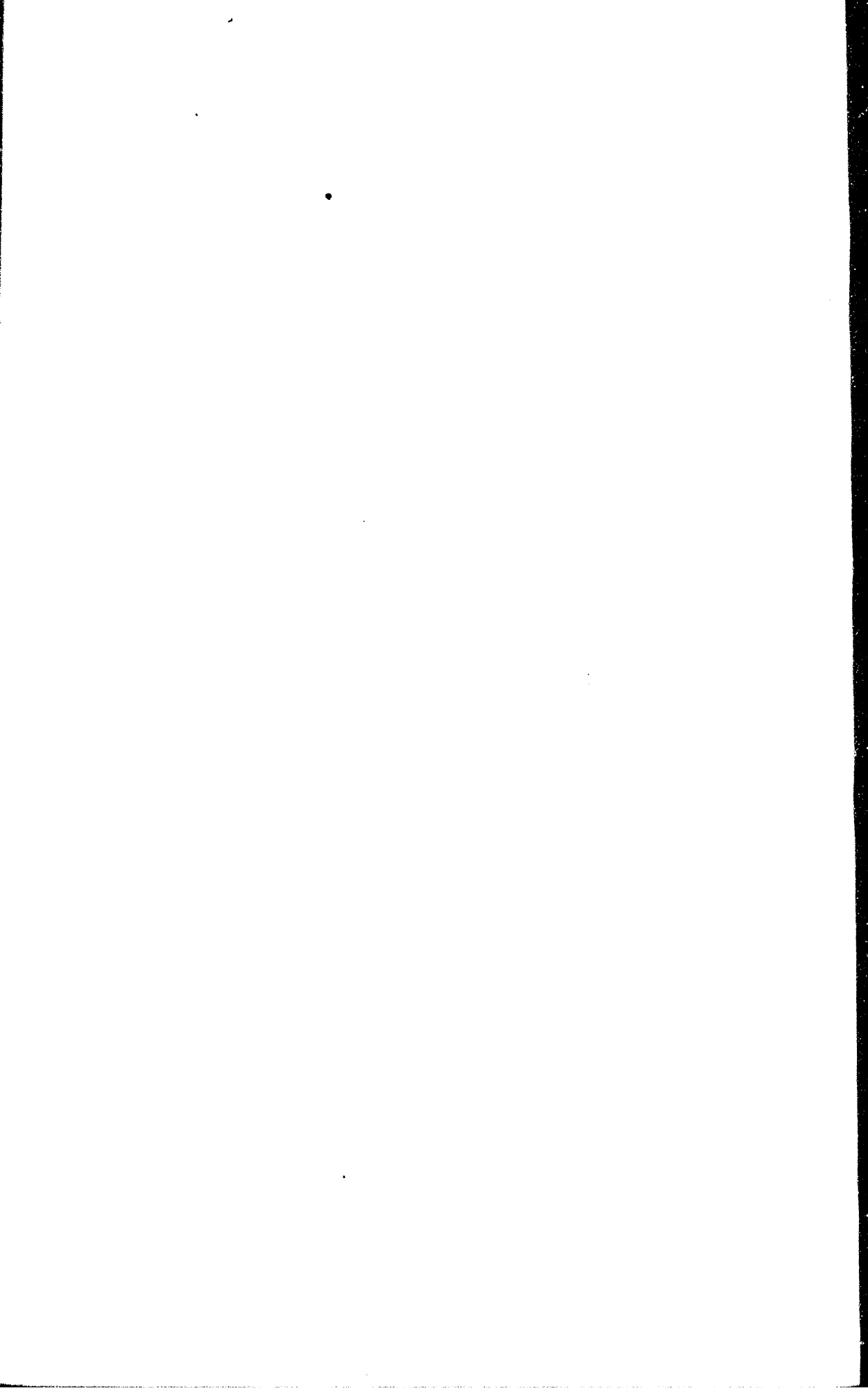
Read, and laid upon the table.

WASHINGTON :

PRINTED BY GALES & SEATON.

1827.





LIST OF PATENTS for the year ending the 1st of January 1827.

| Inventions, &c. | Date. | Names of Patentees. | Residence. |
|---|--------|--------------------------|---------------------------|
| | 1826 | | |
| Improvement in refrigerators for distilleries - | Jan. 6 | Lewis C. & Philip Rouman | Baltimore. |
| Imp't in the machine for threshing grain - | 10 | William Small - - | Augusta, Maine. |
| Do bedsteads, bevel grooved, dovetail joints for - - - | 11 | John Mitchel - - | Harrisburg, Penn. |
| Do washing machine - - - | 11 | Oliver Deane - - | Walpole, Massachusetts. |
| Do the water cement - - - | 11 | Simeon Guilford - | Lebanon, Pennnsylvania. |
| Do the mode of retarding carriages when descending hills - - - | 16 | Ezra Slifer - - | Boonsborough, Md. |
| Do the machine for threshing grain and clover, and for breaking and dressing flax - | 16 | Jacob A. Heermance - | Red Hook, New York. |
| Imp't in horizontal spinners of wool and cotton | 16 | J. S. & B. J. Billings - | Moreau, New York. |
| Do the method of extending motion and multiplying power - - - | 16 | William Kendall, jun. - | Waterville, Maine. |
| Imp't in the machinery for sawing boards - | 16 | Do - - | Do. |
| Do the manner of preparing food - | 19 | John Bouis - - | Baltimore. |
| Do the machinery for mashing in distilleries | 19 | Warham Whitney - | Rochester, New York. |
| Imp't, being a tincture for curing corns - | 20 | Elisha Smith - - | New Brunswick, N. Jersey. |
| Improvement in the bushing for blocks, hubs of wheels, &c. - - - | 23 | Theodore & Dan'l Curtis | Washington City, D. C. |
| Imp't in the machine for mixing mortar, and moulding and pressing brick - - - | 23 | John M. Brookings - | Wiscasset, Maine. |
| Imp't in the washing machine - - - | 25 | Willard Foster - | Oswego, New York, |

LIST OF PATENTS — Continued.

| Inventions, &c. | Date. | Names of Patentees. | Residence. |
|--|-------------|----------------------------|-------------------------|
| | 1826 | | |
| Imp't in the machine for sawing shingles - | Jan. 25 | Willard Foster - | Oswego, New York. |
| Do ornamenting rolls and stamps for bookbinders - - - - | 26 | David H. Mason - | Philadelphia. |
| Do the mode of obtaining water - - - - | 27 | Jeremiah Dexter - | Salisbury, Connecticut. |
| Do the application of steam in washing - | 28 | Junius Smith - - | London, England. |
| Do the plough - - - - | 28 | Stephen M. Cormick - | Fauquier, Virginia. |
| Do making temples for weaving - - - - | 30 | Orsemus M. Stillman - | Brookfield, New York. |
| Do the cooking stove - - - - | Feb. 1 | David Little - - | Hagerstown, Maryland. |
| Do the mode of cleaning cotton from the seed | 3 | Jesse Reed - - | Marshfield, Mass. |
| Do pumps - - - - | 4 | Sylvanus Russell - | Olean, New York. |
| Do the construction of ways for drawing up vessels - - - - | 8 | Amassa Miller - - | New London, Conn. |
| Do the saw mill for sawing boards, &c. - | 8 | Israel Johnson, jun. - | Villenovia, New York. |
| Do digging canals and in removing the earth | 10 | Jeremiah Brainard - | Rome, New York. |
| Do the machine for pressing hay, cider, oil, &c. - - - - | 15 | Nathan Whitney - | Augusta, Maine. |
| Do the machine for planting and cultivating cotton - - - - | 15 | Francis H. Smith - | Richmond, Virginia. |
| Do the steam pump - - - - | 16 | Geo. W. Long, U. S. Art. - | Old Point Comfort. |
| Do the shape and formation of hickory brooms, &c. - - - - | 15 | Adam Sclater - - | Oxford Township, Penn. |
| Do the machine for pressing hops, hay, &c. | 17 | Joseph Wilson - - | Otsego, New York. |

| | | | | | | |
|---|---|---|---------|---|---|---------------------------|
| Do in the machine for threshing grain and hulling clover seed | - | - | 18 | Joseph Potter | - | Reading, Pennsylvania. |
| Imp't in the machine for thrashing grain, breaking flax and hemp, | - | - | 21 | D. Hurlbut, N. Etheredge, and J. M. Combs | - | Herkimer county, N. Y. |
| Imp't being a tube picker, used in weaving, | - | - | 21 | Benjamin Holbrook | - | Providence, R. Island. |
| Do called a "bisected bedstead," | - | - | 21 | Peter Breasted | - | Green county, N. York. |
| Do called the "family mill," | - | - | 23 | David Flagg, jun. | - | Gardiner, Maine. |
| Do in the steam still, | - | - | 23 | James G. Foley | - | Harrisburg, Pennsylvania. |
| Do in the power loom for weaving wire, | - | - | 23 | John S. Custin | - | New York. |
| Do in the ship rail way dock, | - | - | 24 | John Thomas | - | New York. |
| Do on the old method of tanning, | - | - | March 1 | Leonard Jacobs | - | Richmond, Virginia. |
| Do called the perpetual lever vice, | - | - | 2 | Calvin Wing | - | Gardiner, Maine. |
| Do called the power printing press, | - | - | 2 | Daniel Treadwell | - | Boston, Massachusetts. |
| Do called the "fancy spinner," | - | - | 3 | Jno. R. & Jos. B. Wheeler | - | Galway, New York. |
| Do in the thirty hours wooden clocks, | - | - | 4 | Eli Terry | - | Plymouth, Connecticut. |
| Do on the above clocks | - | - | 4 | Do | - | Do Do |
| Do in fire-proof wrought iron chests | - | - | 7 | Jesse Delano | - | New York. |
| Do in machinery for rubbing or scouring marble | - | - | 7 | Elijah Ferris | - | West Chester, N. York. |
| Imp't in the washing machine | - | - | 8 | Edward Thurston | - | Burlington, Vermont. |
| Do in the steam engine | - | - | 10 | George Deming | - | Niagara, New York. |
| Do in the machine for facilitating the sewing of leather | - | - | 10 | Henry Lye | - | Philadelphia. |
| Imp't in the machine for hulling and cleaning rice | - | - | 10 | John L. Norton | - | New York. |
| Do in the mode of dipping candles by machinery | - | - | 11 | William Day | - | Gardiner, Maine. |
| Do being a machine for raising stumps, stones, &c. | - | - | 15 | Abiezer H. Whitney | - | Bowdoinham, Maine. |

LIST OF PATENTS—Continued.

| Inventions, &c. | Date. | Names of Patentees. | Residence. |
|--|-------------|----------------------------|---------------------------|
| | 1826 | | |
| Imp't in the mode of measuring, for cutting out garments - - - - | Feb. 15 | Stephen Severson - | Baltimore. |
| Do in fire-proof window shutters - - - - | 16 | J. Brown, & G. W. Robinson | Providence, R. Island. |
| Do in the mode of spinning wool and cotton by hand - - - - | 16 | George W. Robinson - | Providence, R. Island. |
| Do in the currying knife - - - - | 17 | Freeman Palmer - | Littleton, N. H. |
| Do in making paddle gates for locks in canals - - - - | 17 | Daniel Rodgers - | Little Falls, N. York. |
| Do in concave and convex mill stones - - - - | 18 | Jos. Sawyer, & Edson Clark | Royalston, Massachusetts. |
| Do in the spiral spring truss - - - - | 21 | Bela Farr - - - - | Norwich, New York. |
| Do in machinery to supersede the use of cog wheels - - - - | 22 | James Cooper - - - - | Staunton, Virginia. |
| Do in the evolution and management of heat - - - - | 23 | Eliphalet Nott - - - - | Schenectady, New York. |
| Do in rack bolts for doors, &c. - - - - | 24 | J. Brown, & G. W. Robinson | Providence, R. Island. |
| Do in the steering wheels for vessels - - - - | 24 | John Mills Brown - | Boston, Massachusetts. |
| Imp't being a sight gauge for a steam boiler, - - - - | Mar. 24 | William Barker - | Kingston, Pennsylvania. |
| Do being a machine for slitting timber - - - - | 25 | Do - - - - | Do |

| | | | | |
|--|-------|----|---------------------------------------|---------------------------|
| Imp't in concentrating the power of the pendulum and lever - - - - | | 25 | Alric Berry, and Cyrus Berry - | Poughkeepsie, N. York. |
| Do in the mode of applying steam, wind, and water as a power - - - - | | 25 | Isaac Garretson - | Bellefontaine, Ohio. |
| Do being a spiral moulding brick press - - - - | | 28 | James Parker - | Gardiner, Maine. |
| Do called a mortar tub mill - - - - | | 28 | Do - | Do |
| Do in the machinery for propelling boats, &c. - - - - | | 29 | Chauncey Craft - | Woodbury, Connecticut. |
| Do in the gas or vapor engine - - - - | April | 1 | Samuel Morey - | Orford, New Hampshire. |
| Do in dry docks - - - - | | 1 | Alonson Place - | New York. |
| Do in heating callender rolers, for glazing - - - - | | 1 | Joel Brimhall, & Thomas Keyes, jun. - | West Boylston, Mass. |
| Do in bedstead fastenings - - - - | | 3 | Edwin H. Badger - | Petersburg, Virginia. |
| Do in making boots and shoes - - - - | | 5 | John Frask - | Hadfield, Massachusetts. |
| Do in the art of tayloring - - - - | | 5 | Greenbury Ross - | Carlisle, Kentucky. |
| Do in the machinery attached to slitting mills - - - - | | 5 | Timothy Allen - | Plymouth, Massachusetts. |
| Do in the mode of sawing shingles - - - - | | 6 | Oliver Goddard - | Bridgeton, Maine. |
| Do being a machine for jointing and malching boards - - - - | | 8 | David Gleason, & Hiram Frisbee - | Bethany, New York. |
| Do in the wheel power for pumping ships, &c. - - - - | | 8 | Salem Town, and Robert W. Oliphant - | North Granville, N. York. |
| Do in the washing machine - - - - | | 12 | Richard V. Mudge - | Durham, New York. |
| Do in the cotton press - - - - | | 12 | Gideon Glenn - | Louisburg, N. Carolina. |
| Do in the machinery for making paper - - - - | | 12 | Gardner Burbank - | Worcester, Mass. |
| Do on the wire harness for weaving, patented by Chandler & Brown - - - - | | 12 | Ezra Brown - | Cazenovia, New York. |
| Do in the mode of crooking gun stocks - - - - | | 12 | John Schirer - | Charleston, S. Carolina. |
| Do in the hill-side, double nosed, cast iron plough - - - - | | 12 | John Shepherd - | De Reuyter, New York. |
| Do in the rocking washing machine - - - - | | 12 | John G. Phillip - | Kinderhook, New York. |

LIST OF PATENTS—Continued.

| Inventions, &c. | Date. | Names of Patentees. | Residence. |
|--|----------|--|-------------------------|
| | 1826 | | |
| Imp't called the lever power mortising machine | April 12 | Thomas Green - | Manlius, New York. |
| Do in the pump - - - - | 13 | Theodore Brooks - | Rutland, New York. |
| Do in the tooth of the cultivator, or harrow | 13 | Waldren Beach - | Philadelphia. |
| Do in the loom for weaving carpeting - | 14 | Horace Baker - | North Salem, New York. |
| Do in the mode of raising vessels for re- pairing - - - - | 15 | Benjamin Waterhouse - | New York. |
| Do in distilling - - - - | 15 | Samuel Harwood, 3d - | Braintree, New York. |
| Do in the boring and tenoning machine - | 17 | Admiral Warren - | Saugerties, New York. |
| Do in the horse mill - - - - | 15 | Do | Do |
| Do in the grist mill, patented by Mr. Bricknell | 18 | Moody Stockman - | Hampton, N. Hampshire. |
| Do in the cast iron plough - - - - | 19 | Thaddeus Fairbanks - | St. Johnsbury, Vermont. |
| Do being a conical water wheel - - - - | 19 | Boswell Wilcox - | Franklin county, Ohio. |
| Do in the loom - - - - | 21 | Do | Do |
| Do in the vertical saw in sawing fret work - | 22 | Ebezr. & Charles Boothe | Southbury, Connecticut. |
| Do in the machine for splicing cotton and woollen rolls - - - - | 22 | Gardner Barton, jun. - | Shaftsbury, Vermont. |
| Do in the varnish for furniture - - - - | 22 | Marcus Curtis - | Troy, New York. |
| Do in picking oakum by machinery - - - - | 24 | Ezekiel Waterhouse - | Gardiner, Maine. |
| Do called the combined screw gear - - - - | 24 | Charles Wortham - | Warren county, N. C. |
| Do in constructing tan vats, &c. - - - - | 24 | Aaron Higgins - | Town of Florence, Ohio. |
| Do in the machine for cleansing grain from smut, &c. - - - - | 25 | Lem. Lee and Cornelius Maston - - - - | Penn Yan, New York. |

Do in elevating screw box and cap of car-
nades - - -
Do in steering all kinds of vessels - -
Do called forest rail roads - - -
Do in steam boats for running in shallow
water - - -
Do in the plough - - -
Do on the horizontal spinner patented by
Calvin Merrill - - -
Do in the machine for pressing bricks - -
Do being a vertical jenny for spinning - -
Do in making artificial globes - - -
Do in the inclined horse wheel - - -
Do in the machine for moulding brick - -
Do in the rail way with a lift of 16 feet - -
Do in the combined lever bottom press - -
Do in the mode of relieving water wheels
from back water - - -
Do in the machine for threshing grain - -
Do in covering or platting brick kilns - -
Do in the machine for excavating canals - -
Do in the scheme of lotteries - - -
Do in boys' dresses - - -
Do in the sponges for artillery - - -
Do in making cordage - - -
Do in making chain cables - - -

May

| | | |
|----|--|---------------------------|
| 26 | Enoch Hidden - - | New York. |
| 26 | Stephen G. Clark and George Stimson - - | Charlestown, Mass. |
| 27 | H Pinkus and Thomas R. Williams - - | London, England. |
| 28 | Benjamin Phillips - - | New York. |
| 28 | William Cock - - | Luzerne townshp, Penn. |
| | Bemsle Hunt and Seth Wheelock - - | Knox, New York. |
| 2 | Julius Willerd - - | Baltimore. |
| 2 | James Matthews - - | Schenectady, New York. |
| 4 | William B. Annin - - | Boston. |
| 5 | Elias Holliday - - | Schoharie, New York. |
| 6 | David Watson - - | Fayetteville, Maine. |
| 6 | Ethan Baldwin - - | Harrisburg, Penn. |
| 10 | Emanuel Venear - - | Halifax, N. Carolina. |
| 10 | Jere. Benedict - - | Fabius, New York |
| 10 | John Shaw - - | Kenebeck county, Maine. |
| 10 | Samuel R. Bakewell - - | Wellsburg, Virginia. |
| 10 | Lot Forrester - - | Ridgefield, Connecticut. |
| 16 | Edward Grattan - - | Providence, Rhode Island. |
| 16 | Charles Herwick - - | New York. |
| 16 | John Gether - - | Philadelphia. |
| 17 | Erastus Bartholomew - - | Boston. |
| 17 | Do - - | Do. |

LIST OF PATENTS—Continued.

| Inventions, &c. | Date. | Names of Patentees. | Residence. |
|---|-------|---|---------------------------|
| | 1826 | | |
| Do in the art of manufacturing biscuit and sugar bread - - - - | 18 | Ephraim Treadwell - | New York. |
| Do in the mode of constructing water wheels and flumes - - - - | 18 | Asa Mercer - - | Providence, R. Island, |
| Do in the circular saw - - - - | 18 | William Kendall, jun. - | Kennebeck, Maine. |
| Do in the family spinning machine - - - - | 20 | J. Watt, F. A. Priest, & Guy Freeborn - | Jefferson county, Ohio. |
| Do in the machine for sawing felloes for wheels | 20 | Phœbe Collier, (widow of James) - - | Catskill, New York. |
| Do in the art of ornamenting walls, ceilings, &c. | 20 | William West - - | Philadelphia. |
| Do in the press for pressing out oil, cider, &c. | 20 | William H. Hoeg - | Ashtabula county, Ohio. |
| Do in the construction of stoves or furnaces for heating iron hoops - - - - | 22 | Garret Post - - | Auburn, New York. |
| Do in the machine for pumping water for machinery - - - - | 22 | Liscomb Knap - - | Brighton, New York. |
| Do in raising water for domestic purposes - - | 22 | Do - - | Do. |
| Do in pressing Leghorn, straw, and other hats | 23 | Rufus Tyler and Benton P. Coston - - | Philad ^a phia. |
| Do in the mode of loading carts, wagons, &c. | 23 | Noah Osborn - - | Fairfield, Connecticut. |
| Do in the threshing machine - - - - | 25 | Seth Ballou - - | Livermore, Maine. |
| Do in the rotary steam engine - - - - | 25 | Samuel Fairlamb and David Bruce, jun. - | New York. |

| | | | |
|----|---|---|---|
| Do | in the construction of saddles | - | - |
| Do | in the machine for removing earth, &c. | - | - |
| Do | in the machine for finishing hats | - | - |
| Do | in the machine for removing earth | - | - |
| Do | in the construction of wind mills | - | - |
| Do | in the lever press for packing cotton | - | - |
| Do | in the threshing machine | - | - |
| Do | in the springs to a wagon | - | - |
| Do | in the construction of rail ways | - | - |
| | | | |
| Do | in the construction of chimneys | - | - |
| Do | in the turning lathe | - | - |
| Do | in grist mills | - | - |
| Do | in the carding machine | - | - |
| Do | in the machine for making boots and shoes | - | - |
| Do | in the machine for moulding bricks, &c. | - | - |
| Do | in the machine for roping and spinning cotton, &c. | - | - |
| Do | in rolling or twisting roving of cotton | - | - |
| Do | in the instrument for operating in the cataract | - | - |
| Do | in the loom | - | - |
| Do | in Paul Pillsbury's machine for shelling corn | - | - |
| Do | in the mode of emptying the well bucket | - | - |
| Do | in the machine for spinning wool, &c. | - | - |
| | | | |
| Do | in the machine for lifting canal boats out of the water for repair | - | - |

June

| | | | |
|----|--------------------------------------|---|---------------------------|
| 27 | William H. Collins | - | Cincinnati, Ohio. |
| 29 | William H. Doll | - | Harrisburg, Pennsylvania. |
| 31 | Jas. Cooper & Th. Barnett | - | Philadelphia. |
| 1 | Pearson Reading | - | Trenton, New Jersey. |
| 2 | William Coburn | - | Gardiner, Maine. |
| 3 | Charles Williams | - | Petersburg, Virginia. |
| 3 | Pearson Reading | - | Trenton, New Jersey. |
| 6 | Walter Janes | - | Asford, Connecticut. |
| 6 | John Brown and G. W. Robinson | - | Providence, Rhode Island. |
| 8 | Abraham G. D. Tuthill | - | Utica, New York. |
| 8 | John Hunt | - | Shutesbury, Mass. |
| 9 | Frs. Harris & Jno. Wilson | - | Albany, New York. |
| 9 | Elijah Thompson | - | Lowell, Massachusetts. |
| 9 | Elijah Thayer | - | Leicester, Massachusetts. |
| 9 | Ezra Fish | - | Fayette, Maine. |
| | | | |
| 10 | William Carmichall | - | Sandlake, New York. |
| 14 | William Whitehead, jun. | - | Patterson, New Jersey. |
| | | | |
| 14 | Thomas R. Williams | - | Philadelphia. |
| 14 | Cornelius Bergen | - | New York. |
| | | | |
| 15 | Jeremiah Dodson | - | Guilford, N. Carolina. |
| 15 | Elijah Willard | - | Egremont, Mass. |
| 15 | John Corrill, & William P. Rogers | - | Harpersfield, Ohio. |
| | | | |
| 16 | Seth C. Jones | - | Rochester, New York. |

LIST OF PATENTS—Continued.

| Inventions, &c. | Date. | Names of Patentees. | Residence. |
|--|---------|---|---------------------------------------|
| | 1826 | | |
| Imp't in the percussion lock, for the rifle, &c. | June 16 | Joseph Medbery, and Silvester Kellogg - | Rochester, New York. |
| Do in the mode of applying one head of water to any number of water wheels - | 19 | D. M'Kenzie, M. L. Barbor, S. Dean, and J. M'Naughton - | Caledonia, New York. |
| Do in the machine for bending tire for wheels | 19 | Walter James - | Ashford, Connecticut. |
| Do in the machinery for weighing canal boats | 20 | Benjamin Bull - | New York. |
| Do in relation to the evolution, &c. of heat - | 21 | Eliphalet Nott - | Schenectady, New York. |
| Do in the machine for shaving and smoothing wood - - - - | 21 | Abraham Brownson - | Lockport, New York. |
| Do in the machine for spinning flax and hemp | 22 | Walter Hunt, and Willis Hoskins - | Martinsburgh, New York. |
| Do in the buoyant dock - - - | 22 | Maximin Isnard - | New York. |
| Do in the ma. for pressing unburnt brick, &c. | 24 | Ephraim Mayo - | Hallowell, Maine. |
| Do in the machine for planting and working Indian corn - - - | 24 | William Ross - | Middle Baxton township, Pennsylvania. |
| Do being a machine for cutting plugs for waists and decks, for ships - - | 28 | Christopher Josselyn - | New York. |
| Do in the mode of sawing wood, for felloes, &c. | 29 | Barnabas Ruggles - | Poultney, Vermont. |
| Do in grist mills - - - | 29 | Isaac Ryon - | Bridgewater, Mass. |
| Do in generating steam - - - | July 1 | John M'Curdy - | London, England. |
| Do on wooden wheeled 30 hours clocks - | 5 | Eli Terry - | Plymouth, Connecticut. |

Do in the washing machine - -
Do in the steering wheel - - -
Do in the mode of steering vessels - -
Do on his patented braiding machine -
Do in the scale for draughting garments -
Do in the mode of preserving wooden locks
in canals - - -
Do being a cleave harrow for clearing ground
Do in the mode of manufacturing salt by steam
Do for raising and removing earth and sand
Do in making cartridges for blasting rocks
Do in the mode of letting water on water wheels
Do on the steam generator patented Nov. 18th,
1825 - - -
Do in the mode of applying steam power to
the sawing of timber - - -
Do in the machine for spinning cotton & wool
Do in the mode of evaporating liquids -
Do in the construction of grist mills -
Do in the ma. for grinding shelled corn, &c.
Do called a carrying and lifting trunk dock,
Do in representing by lines, genealogy, chro-
nology, &c. - - -
Do in the application of steam to the blast of
furnaces - - -
Do in the method of moving the trip-hammer

| | | | |
|------|----|---|--------------------------|
| | 6 | Seth Church, and Hiram Clark - - | Utica, New York. |
| | 10 | Ebenezer S. Coffin - - | Boston. |
| | 10 | Rhodes Kingsbury and E. Rowse - - | Bath, Maine. |
| | 10 | John Thorp - - | Providence, R. Island. |
| | 10 | Nathan B. Starr - - | Philadelphia. |
| | 10 | Simeon Guilford - - | Lebanon, Pennsylvania. |
| | 11 | Lemuel Tam - - | Sussex county, Delaware. |
| | 12 | Stephen T. Conn - - | Georgetown, D. C. |
| | 14 | Cyrus Barnard - - | Newlin, Pennsylvania. |
| | 17 | John B. Ives - - | Lebanon, Pennsylvania. |
| | 18 | Thomas Key - - | Henry county, Georgia. |
| | 20 | Stephen T. Conn - - | Washington, D. C. |
| | 21 | Reuben Nichols - - | New Orleans. |
| | 24 | Joseph Hathaway - - | Poultney, New York. |
| | 26 | Charles Sholes - - | Phelps, New York. |
| | 31 | Jedediah Northorp - - | Woodbridge, Connecticut. |
| | 31 | Jarvis Webster - - | Philadelphia. |
| Aug. | 2 | James Barron, Capt. U. States Navy - - | Norfolk, Virginia. |
| | 2 | Henry Bostwick - - | New York. |
| | 2 | Cotton Foss - - | Madison, Ohio. |
| | 4 | Elisha Crowell - - | Gardiner, Maine. |

LIST OF PATENTS—Continued.

| Inventions, &c. | Date. | Names of Patentees. | Residence. |
|---|--------|--|-------------------------|
| | 1826 | | |
| Imp't in the mode of turning any number of augers - - - - - | Aug. 7 | Harden Branch - | New York. |
| Do in the mode of elevating liquors - - - - - | 7 | John A. Smith - | New London. |
| Do in the plough - - - - - | 9 | Zebulon S. Holdridge, & Henry S. Lawson - | Berne, New York. |
| Do in the ladder to be used at fires - - - - - | 9 | Samuel Lehman - | Philadelphia. |
| Do in the machine for dressing flax - - - - - | 12 | Jos. Hines, & Wm. Bain | New York. |
| Do being a plan for working steam twice over in the mode of making lampblack - - - - - | 12 | Joseph H. Laning - | Nashville, Tennessee. |
| Do in the machine for laying and twisting cotton seine twine - - - - - | 15 | Joseph Hastings - | Cambridge, Mass. |
| Do in the trussel bobbin or spool for factories | 16 | Joseph Clarkson - | Baltimore. |
| Do in steam enginery - - - - - | 16 | Thomas Van Riper - | Patterson, New Jersey. |
| Do in the mode of washing by steam - - - - - | 16 | Joseph Eve - | London, England. |
| Do applied to the auger - - - - - | 16 | Wm. Burton, jun. - | Annsville, New York. |
| Do in the floating dry dock - - - - - | 17 | Joseph H. Schreiner - | Philadelphia. |
| Do in suspenders - - - - - | 17 | John Floyd - | Kittery, Maine. |
| Do in a composition to be applied before card- ing - - - - - | 19 | Benjamin Wilse - | Utica, New York. |
| Do in the mode of setting saws - - - - - | 19 | Ziba Parkhurst - | Grafton, Massachusetts. |
| Do in the machine for roping & spinning wool | 19 | Joseph H. Schreiner - | Philadelphia. |
| | 28 | J. R. Wheeler and J. B. Wheeler - | Galway, New York. |

Do in the dress called the jubilee stock - - - - -
 Do in the windmill - - - - -
 Do called the relieving value - - - - -
 Do in the loom - - - - -
 Do in the machine for threshing and cleaning grain - - - - -
 Do in the machine for singeing all kinds of cloth - - - - -
 Do called the screw boot tree - - - - -
 Do in burning stone ware without the use of salt - - - - -
 Do in making iron keyed bands, &c. - - - - -
 Do in the printing press - - - - -
 Do in the mode of sawing circular timber - - - - -
 Do on the wheels for propelling steamboats - - - - -
 Do called the portable endless rail way - - - - -
 Do in the machine for manufacturing nails, &c. - - - - -
 Do in fire engine - - - - -
 Do in the wool carding machine - - - - -
 Do in the machine for raising earth, mud, &c. - - - - -
 Do in applying anthracite coal in generating steam - - - - -
 Do in the gristmill - - - - -
 Do in bells - - - - -
 Do in the method of drawing water from wells - - - - -
 Do in constructing cellars, vaults, &c. - - - - -
 Do in the manufacture of bridles - - - - -

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|-------|----|--|--------------------------|
| | 30 | W. J. Cantelo and R. M. Kerrison - - | New York. |
| | 31 | Moses Padley - - | Ontario, New York. |
| Sept. | 2 | William Lanphier - - | Alexandria, D. C. |
| | 2 | Samuel Chidester - - | Windham, New York. |
| | 8 | Archibald Douglass - - | Marcellus, New York. |
| | 8 | Andrew Robeson - - | New Bedford, Mass. |
| | 8 | George Nichol - - | Madison, Virginia. |
| | 12 | Sanford S. Berry - - | Troy, New York. |
| | 14 | Edward Cooper - - | Richmond, Virginia. |
| | 15 | David Phelps - - | Boston. |
| | 15 | Benjamin Overman - - | Greensborough, N. C. |
| | 15 | John James Giraud - - | Baltimore. |
| | 15 | Jeremiah Price - - | New York. |
| | 23 | Joseph Krauser - - | Philadelphia. |
| | 23 | George Shalk and Wm. Tintoff - - | Lebanon, Pennsylvania. |
| | 25 | James H. Arnold - - | Belmont, Ohio. |
| | 26 | Samuel Collins - - | New York. |
| | | Daniel Collings and Jas. D. Gallup - - | Wilkesbarre, Penn. |
| Oct. | 12 | Moses Mendenhall - - | Greensborough, N. C. |
| | 20 | H. Tyler - - | Utica, New York. |
| | 20 | Elijah Willard - - | Egremont, Massachusetts. |
| | 23 | Henry Hallark - - | New York. |
| | 24 | Daniel H. Read - - | Do. |

LIST OF PATENTS—Continued.

| Inventions, &c. | Date. | Names of Patentees. | Residence. |
|--|---------|-------------------------------------|--|
| | 1826 | | |
| Do in the machine for shelling corn - - - | Oct. 24 | Elijah Russell - - | Greensborough, N. C. |
| Do in the horse saw mill - - - | 25 | Solomon R. Johnson - - | New York. |
| Do in the method of discharging cannon - - | 25 | Henry Whitcomb - - | Adams, New York. |
| Do in the barkmill - - - | 25 | Cotton Foss - - | Madison, Ohio. |
| Do in making glass knobs for doors, &c. - | Nov. 4 | Henry Whitney and E. Robinson - - | Cambridge, Mass. |
| Do in the printing press - - - | 4 | Samuel Fairlamb - - | New York. |
| Do in the machine for cutting fur from the skin | 4 | Jeremiah Hubbard - - | Jamestown, N. Carolina. |
| Do called bilge levers, for supporting ships - | 6 | John Thomas - - | New York. |
| Do called the sub-marine rail way - - - | 6 | Do - - | Do. |
| Do in the domestic loom - - - | 6 | Jeremiah Hubbard - - | Jamestown, N. Carolina. |
| Do in the common foot gin for ginning cotton | 6 | Isaac B. Barnes - - | Beaufort, South Carolina. |
| Do in the steam engine - - - | 6 | Elisha Bigelow - - | Baltimore. |
| Do in bedsteads - - - | 7 | William Bell - - | Lexington, Kentucky. |
| Do in the fanning mill - - - | 7 | Ovid Pinney and James Olmestead - - | Caledonia, New York. |
| Do in the machine for boring, reaming out, &c. | 7 | Ebenezer Johnson - - | Lexington Heights, Green county, New York. |
| Do in the machine for threshing and winnowing grain, - - - | 7 | Sylvanus C. Hersey - - | Rochester, New York. |
| Do in the construction of furnaces, stoves, &c. | 8 | Social Rolph - - | Wales, New York. |
| Do in the rotary steam engine - - - | 10 | Elijah H. Read - - | Lancaster, Kentucky. |

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|----|---|---------|----|--------------------------------------|--------------------------------------|
| Do | in the water wheel for propelling boats | - | 13 | Benjamin Raymond, jun. | Beverly, Massachusetts. |
| Do | in constructing and grinding the currying knife | - - - - | 13 | Samuel Brooks | New York. |
| Do | in the machine for cutting cabbage | - | 14 | Ferdinand Berkeymeger and J. Dengler | Greenwich, Pennsylvania. |
| Do | in the method of drawing lotteries | - | 14 | William C. Conine | Baltimore. |
| Do | in the method of fastening commode knobs, &c. | - - - - | 14 | William Price | Pitt, Pennsylvania. |
| Do | in the steam generator | - - - - | 14 | Daniel Phelps | Bath, New York. |
| Do | being a double box for pressing hay | - | 14 | Ezekiel Waterhouse | Gardiner, Maine. |
| Do | in ma. for spinning and reeling wool, &c. | - | 14 | Joseph Woodhull | Chester, New York. |
| Do | in the two cylinder atmospheric steam engine | - - - - | 14 | William Willis | Charleston, S. Carolina. |
| Do | being an instrument for husking corn | - | 14 | Howlett Bushnell | Norwich, New London cy. Connecticut. |
| Do | in the machine for raising boats & vessels | - | 16 | Alfred Warner | Rochester, New York. |
| Do | in the mode of dying hair on seal skins, &c. | - | 16 | Joseph Herring | New York. |
| Do | on Bicknell's grist mill | - - - - | 17 | James Bemis | Worcester, Mass. |
| Do | in a set auger for boring hubs of wheels | - | 20 | Sheldon Caldwell | Windham, Connecticut. |
| Do | in the construction of furnaces for anthracite coal | - - - - | 20 | William Church | Boston, Massachusetts. |
| Do | in the machine for pressing cotton | - | 21 | James Boatwright and James Nathans | Richland, South Carolina. |
| Do | in the umbrella and parasol | - - - - | 22 | William Sleeper | Philadelphia. |
| Do | in making saddle trees | - - - - | 22 | George Wilkes | Fredonia, Indiana. |
| Do | called the domestic spinner | - - - - | 22 | Lafford Totten | Schoharie, New York. |
| Do | in fire arms | - - - - | 24 | Fordyce Ruggles | Hardwick, Mass. |
| Do | in the washing machine | - - - - | 24 | Burroughs Beach | New Milford, Conn. |
| Do | in the locomotive steam saw mill | - | 26 | W. G. Berry & J. T. Osborn | Cincinnati, Ohio. |

LIST OF PATENTS—Continued.

| Inventions, &c. | Date. | Names of Patentees. | Residence. |
|--|---------|------------------------|--------------------------|
| | 1826 | | |
| Do in the grate and blower for Lehigh coal - | Nov. 26 | S. C. Mott & W. Holmes | New York. |
| Do in the application of the screw in propelling machinery - - - | 27 | William H. Godfrey - | Rochester, New York. |
| Do in the mode of making clay pipes - | Dec. 1 | John Bower - - | East Bethlehem, Penn. |
| Do in the dairy cooler - - - | 7 | David Whitmer - | Paradise, Pennsylvania. |
| Do in the manufacture of silver spoons, &c. | 7 | William Gale - - | New York. |
| Do in the washing machine - - | 7 | David G. Dunham - | New Brunswick, N. J. |
| Do in the mode of propelling the cotton gin | 7 | Peter Knox - - | Augusta, Georgia. |
| Do in the trip hammer - - - | 7 | Philip Pitts Read - | Mercer, Maine. |
| Do in the mode of spinning wool, cotton, &c. | 7 | Seth Boyden - - | Foxborough, Mass. |
| Do in the paddle wheel for propelling boats - | 8 | Wm. F. Kearsing - | New York. |
| Do being a self-feeding brick press - - - | 8 | John Winslow - - | Portland, Maine. |
| Do in the circular reacting saw - - - | 8 | William Avery - - | Cazenovia, New York. |
| Do in distilling all kinds of liquor - - - | 8 | Norman & Anson Wolcott | Bloomfield, New York. |
| Do in the mode of sawing veneers, &c. - | 8 | John P. Allen - - | Manchester, Mass. |
| Do in the threshing machine - - - | 9 | James Hyde - - | Pembroke, N. York. |
| Do in the mode of propelling boats and vessels | 12 | John James Giraud - | Baltimore. |
| Do in the mode of manufacturing wool, &c. | 15 | John Goulding - - | Denham, Massachusetts. |
| Do in the kiln for drying and curing tobacco | 18 | Edmund Pendleton - | Louisa county, Virginia. |
| Do in the ma. for pressing cheese, cider, &c. | 18 | Lebbeus Caswell - | Harrison, Maine. |
| Do in the machine for breaking hides - | 22 | Hezekiah S. Clark - | Randolph county, N. C. |

| | | | | |
|----|---|----|--|-------------------------------------|
| Do | in the machine for manufacturing slate | 22 | James Madison, Porter, and Philip S. Mattes | Easton, Pennsylvania. |
| Do | in the mode of drawing lotteries | 22 | John C. Rives | Washington, D. C. |
| Do | in the machine for planing boards | 22 | Herman Allen | Randolph county, North Carolina. |
| Do | in the machine for planting cotton, corn, &c. | 26 | John Lobdell | Warren county, Missi. |
| Do | in heating and boiling water, &c. | 27 | George J. Payne | Lockport, New York. |
| Do | in the ma. for pressing and packing cotton | 28 | James H. M'Clelland | Fairfield district, S. C. |
| Do | in the ma. for making the hubs of wheels | 28 | Garretson Lyon | New York. |
| Do | in the machine for drawing water from wells for cattle | 28 | Isaac Willbur | Madison, New York. |
| Do | called the revolving timber plane | 28 | Daniel N. Smith | Warwick, Massachusetts. |
| Do | in the marine rail way | 28 | Richard Ward | New York. |
| Do | in making hats by the application of steam | 29 | William Harkins | Wheeling, Virginia. |
| Do | in the machine for spinning wool, cotton, &c. | 29 | Seth Boyden | Foxborough, Mass. |
| Do | in the pendulum motion for machinery | 29 | Justin Jacob | Montreal, Canada. |
| Do | in the evolution and management of heat | 29 | Eliphalet Nott | Schenectady, New York. |
| Do | in bedsteads | 29 | Samuel Davis | Catskill, New York. |
| Do | in the construction of fire-places, furnaces, &c. | 29 | John W. Boott, and Wm. Lyman | Boston. |
| Do | in the lithonriptor | 30 | Isaiah Lukens | Philadelphia. |
| Do | in the machine for grating corn, apples, &c. | 30 | Camm Moore | Guilford county, N. C. |
| Do | called the revolving coal sifter | 30 | Ths. Borbridge, and An- son Martin | Kingston township, Penn. |
| Do | in the machine for pressing hay, cotton, &c. | 30 | David Flagg, & Charles Peck | Gardiner, Maine. |



PATENTS—1827.

LETTER

FROM

THE SECRETARY OF STATE,

TRANSMITTING

A LIST OF THE NAMES OF THE PERSONS

TO WHOM

PATENTS HAVE BEEN GRANTED

FOR THE

INVENTION OF ANY NEW OR USEFUL ART,

OR

MACHINE, MANUFACTURE, OR COMPOSITION OF MATTER,

OR

ANY IMPROVEMENT THEREON,

FROM JANUARY 1st, 1827, TO DECEMBER 31, 1827.

JANUARY 2, 1828.

Read, and laid upon the table.

WASHINGTON :

PRINTED BY GALES & SEATON.

1828.



[Doc. No. 34.]

DEPARTMENT OF STATE,

January 1, 1828.

SIR : In pursuance of the resolution of the House of Representatives, of the United States, dated the 13th of January, 1812, I have the honor of transmitting a list of the names of persons who have invented any new or useful art or machine, manufacture, or composition of matter, or any improvement thereon, and to whom patents have been issued for the same from this office, from the 1st day of January, 1827, to the 31st day of December, 1827, inclusive, with the dates and general objects of such patents; and, also, the residences of the patentees, as far as they could be ascertained.

I have the honor to be,

With great consideration,

Your very obedient servant,

H. CLAY.

To the Hon. the SPEAKER,

of the House of Representatives

of the United States.



A LIST OF PATENTS, for the year ending on the 31st December, 1827

| INVENTIONS, &c. | DATE. | NAMES OF PATENTEES. | RESIDENCE: |
|--|--------|----------------------|---|
| | 1827. | | |
| Improvement in rolling iron | Jan. 3 | Abraham S. Valentine | Bellefonte, Centre co. Pa. |
| Do in the water gate for pentstocks or flumes | 9 | Henry Potes | Christiansburg, Montgome- ry county, Va. |
| Do in making boes, by rolling cast steel | 10 | Chauncey Bulkley | Colchester, Conn. |
| Do in making irons for planes or jointers | 10 | Charles E. West | Do |
| Do in the water proof mortar or cement | 16 | Simeon Guilford | Washington, D. C. |
| Do in the grist mill | 16 | Anthony Bencine | Caswell county, N. C. |
| Do in the plough for planting corn, &c. | 16 | Hermon Russell | Litchfield, Maine. |
| Do in the construction of stills | 17 | Edmund Capen | Boston. |
| Do called the bearded chisel mortising machine | 17 | Silas Metcalf | Wilmington, Vt. |
| Do in charring wood for procuring gases, &c. | 17 | Samuel I. Jones | Philadeiphia. |
| Do in the method of heating ovens, rooms, &c. | 17 | Michael B Poitiaux | Richmond, Va. |
| Do in the mode of making pipes, tubes, &c. | 17 | Joseph Putnam | Salem, Mass. |
| Do in the grist-mill | 19 | William Benbow | Guilford county, N. C. |
| Do in the mode of generating steam | 19 | Levi Silliman | Albany, N. Y. |
| Do in stirrup irons. | 26 | Daniel Powles | Baltimore. |
| Do in the bedstead, sacking bottom, &c. | 26 | Do. | Do. |
| Do in the press for cotton, tobacco, &c. | 29 | Benjamin R. Curtis | Richmond, Va. |

LIST OF PATENTS—Continued.

| INVENTIONS, &c. | DATE. | NAMES OF PATENTEES. | RESIDENCE. |
|--|---------|---------------------------|----------------------------|
| | 1827. | | |
| Improvement in the machine for planking hats - - - | Jan. 31 | Robert Bacon - | Boston. |
| Do in the machine for jointing boards - - - | 31 | Elijah B. Clark - | Danascus, Pa. |
| Do in the lamp for boiling water, &c. - - - | 31 | Thomas G. Fessenden - | Boston. |
| Do in machines for navigation, &c. - - - | 31 | John James Girard - | Baltimore. |
| Do in pumps - - - - - | Feb. 1 | J. Robinson & Luke Shaw - | Bath, Maine. |
| Do in pedestal feet for andirons - - - - - | 1 | Edmund Smylie - | New York. |
| Do in the gun-lock - - - - - | 3 | Simon Cromwell - | Edgercomb, Maine. |
| Do in the grist-mill - - - - - | 6 | Thomas Newman - | Guilford county, N. C. |
| Do in the machine for cutting straw - - - - - | 6 | Thomas Benbow - | Do. |
| Do in the horizontal wind-mill - - - - - | 6 | Thomas P. Jones - | New Castle, Del. |
| Do in the machine for shelling corn - - - - - | 7 | Thomas Newman - | Guilford county, N. C. |
| Do in boilers for using anthracite coal - - - - - | 7 | John Barken - | Baltimore. |
| Do in the chair - - - - - | 9 | Jacob Daley - | Do. |
| Do in the machinery for pressing bricks - - - - - | 9 | Alfred B. Crossman - | Huntington, Suffolk co. NY |
| Do in the horizontal cast iron paint mill - - - - - | 12 | Origen Packard - | Wilmington, Vt. |
| Do in opening and shutting the water gate of mills - - - - - | 12 | Do. | Do. |
| Do in burning lime and brick, and boiling kettles - - - - - | 12 | Solomon Hill - | New Milford, Conn. |
| Do in the rocking churn - - - - - | 15 | John G. Phillip - | Kinderhook, N. Y. |
| Do called the Wheelright's Assistant - - - - - | 15 | John Sitton - | Pendleton, S. C. |
| Do in the mode of packing cotton - - - - - | 15 | William C. Thomas - | Richmond county, N. C. |

| | | | | | | | | |
|----|--|---|---|---|----|-------------------------------|---|--------------------------------------|
| Do | in the perpetual kiln for burning lime | - | - | - | 15 | Abel Jeans | - | Mill Creek Hundred, Del. |
| Do | in the method of making copperas | - | - | - | 15 | Isaac Tyson | - | Baltimore. |
| Do | in the apparatus for making harrow teeth | - | - | - | 16 | William M'Conaughey | - | New Garden Township Penn. |
| Do | in the washing machine | - | - | - | 17 | Chester Stone | - | Middlebury, Conn. |
| Do | being a mode of preventing moths from destroying hides &c. | - | - | - | 17 | Samuel Storm | - | New York. |
| Do | in the machine for mixing earth for bricks | - | - | - | 17 | Benjamin K. Hill | - | Richmond county, Ga. |
| Do | in the hay and grain horse rake | - | - | - | 17 | Moses Pennock & Sam'l Pennock | - | East Marlboro' Chester county, Penn. |
| Do | in the machine for pressing cotton, &c. | - | - | - | 19 | Philemon White | - | Chatham county, N. C. |
| Do | in the mode of making locks for doors | - | - | - | 20 | John Brown & Geo. W. Robinson | - | Providence, R. I. |
| Do | in the plough | - | - | - | 20 | Ryland Rhodes | - | Charlottenville, Va. |
| Do | in the percussive gun lock | - | - | - | 20 | William A. Hart | - | Fredonia, N. Y. |
| Do | in the mode of making salt | - | - | - | 21 | Benajah Byington | - | Salina, N. Y. |
| Do | in building vessels, &c. | - | - | - | 21 | Ths. W. Bakewell | - | Cincinnati, Ohio. |
| Do | called a bogging machine | - | - | - | 22 | Squire Collins | - | Hillsdale, N. Y. |
| Do | in the art of inlaying gold in tortoise shell, &c. | - | - | - | 22 | Uriah Bailey | - | West Newbury, Mass. |
| Do | in preparing and finishing andirons | - | - | - | 22 | Edward Smylie | - | New York. |
| Do | in the manufacture of suspenders | - | - | - | 22 | Abm. L. Van Horn | - | Philadelphia. |
| Do | in the pump used for steam boilers | - | - | - | 23 | Alfred Judson | - | Sweden, N. Y. |
| Do | in the manufacture of sofas, &c. | - | - | - | 24 | Chester Johnson | - | Albany, N. Y. |
| Do | in the bee hive | - | - | - | 27 | Cuthbert Wiggins | - | Fayette county, Penn. |
| Do | in the art of finishing paper | - | - | - | 28 | Ira White & L. Gale | - | Newburgh, Vt. |
| Do | in the square for cutting garments | - | - | - | 28 | James G. Wilson | - | New York. |
| Do | in the grist-mill | - | - | - | 28 | Benjamin Overman | - | Greensboro' N. C. |

LIST OF PATENTS—Continued.

| INVENTIONS, &c. | DATE. | NAMES OF PATENTEES. | RESIDENCE. |
|--|---------|--|-------------------------|
| | 1827. | | |
| Improvement in propelling vessels - - - | March 2 | Elisha Fuller - - | Providence, R. I. |
| Do in the mode of blowing and striking for blacksmiths - - - | 3 | Lewis Hoyt & E. Pierce | Pulteney, N. Y. |
| Do called the combined jacks and breast- work rope-layer - - - | 3 | David Myerle - | Philadelphia. |
| Do in making watch seals - - - | 3 | S. Davis, H. P. Babbitt, & B. P. Grinnell - | Providence, R. I. |
| Do in making shovels - - - | 5 | Oliver Ames - - | Easton, Mass. |
| Do in the machine for turning tenons for rake teeth &c - - - | 5 | J. W. Sweet & William Stedman - - | Berkshire, Mass. |
| Do in the mill for grinding apples for cider - | 5 | H. E. Paine and S. H. Russell - - | Le Roy, Ohio. |
| Do in bridges - - - | 6 | William Woodmansee - | Kingston, N. Y. |
| Do in the machine for shearing cloth - - - | 6 | James Collins - - | Anson, Maine. |
| Do in the water wheel for saw-mills - - - | 6 | Thomas Shute - | Tennessee. |
| Do being a machine for cutting metallic and other hard substances - - - | 7 | John H. Hall - - | Harper's Ferry, Va. |
| Do in the spring-hammer for blacksmiths - - - | 7 | James Rainey - - | Orange county, N. C. |
| Do in engraving teeth - - - | 8 | Elijah A. Bigelow - | Brandon, Vt. |
| Do in the composition for making mar- bles, granites, &c. - - - | 7 | Louis Matthey - | Brooklyn, near N. York. |
| Do in spur or bevel gearing - - - | 9 | Charles Neer - | Waterford, N. Y. |

| | | | | | | | |
|----|--|---|---|----|--------------------------------|---|---|
| Do | being crank and wheel dampers for chimneys | - | - | 10 | Jas. Reilly & John Flanagan | - | Waynesburg, Pa. |
| Do | in the horizontal mill | - | - | 15 | Jonathan Reynolds | - | Town of America, Dutchess county, N. Y. |
| Do | in the machine for cutting straw, shelling corn, &c. | - | - | 15 | Calvin Chamberlin | - | Do. |
| Do | in making hatters' cards or jacks | - | - | 15 | Joseph C. Seely | - | Dutchess county, N. Y. |
| Do | in the construction of the feet of brass andirons, &c. | - | - | 15 | John Griffiths | - | New York. |
| Do | called the Wheelwright's Assistant | - | - | 16 | Cyrus W. Beach | - | Schoharie, N. Y. |
| Do | called the longitudinal cornsheller | - | - | 16 | George E. Waring | - | Poundridge, N. Y. |
| Do | in extracting alcohol from common spirits, by steam | - | - | 19 | Anson Wolcott & Norman Wolcott | - | Bloomfield, Ontario co. New York. |
| Do | called a spring temple | - | - | 19 | Alfred Jenks and Jesse Clewell | - | Holmesburg, near Philadelphia. |
| Do | in the grist-mill, crusher, and sheller | - | - | 20 | John G. Morse | - | Randolph county, N. C. |
| Do | in the machine for making brick | - | - | 21 | David Rising | - | Atchester, Vt. |
| Do | in the mode of pumping water out of vessels, by wind | - | - | 23 | Thomas Brownell | - | New York. |
| Do | in the construction of domestic cooking stoves. | - | - | 24 | Joseph R. Page | - | Philadelphia. |
| Do | in the cooking apparatus | - | - | 24 | David Westerfield | - | New York. |
| Do | called steelyard lever power | - | - | 24 | Samuel Andrews | - | Bridgetown, Me. |
| Do | in the twin plough | - | - | 24 | Noble G. Cryer | - | Wentworth, N. C. |
| Do | in the churn | - | - | 24 | Samuel L. Bagley | - | Hillsdale, N. Y. |
| Do | in the machine for polishing hard and soft substances | - | - | 27 | Benjamin Green | - | Hartford, Vt. |
| Do | in manufacturing cotton roven | - | - | 28 | Gilbert Brewster | - | Poughkeepsie, N. Y. |
| Do | in obtaining power by certain fluids | - | - | 30 | Mark J. Brunel | - | London England. |
| Do | in manufacturing shingles | - | - | 30 | Paul Hawes | - | Lockport, N. Y. |

LIST OF PATENTS—Continued.

| INVENTIONS, &c. | DATE. | NAMES OF PATENTERS. | RESIDENCE. |
|---|---------|------------------------------------|---|
| | 1827. | | |
| Improvement in the horse rake for hay, &c. | Mar. 30 | Jeremiah Baily | Philadelphia. |
| Do in the machine for trimming the edges of paper | 31 | John McClintic | Chambersburgh, Pa. |
| Do in the manufacture of tobacco | April 3 | John Allen, jr. and Chs. Geoghegan | Richmond, Va. |
| Do in making watch keys | 3 | Joseph S. Davis | Providence, R. I. |
| Do in the machine for cutting wood for the sides of tubs, &c. | 7 | Jeremiah Baily | Philadelphia. |
| Do in the art of carpentering | 7 | Do. | Do. |
| Do in the machine for making homony | 9 | Robert Campbell | Martinsburg, Va. |
| Do in the machine for grinding apples for cider | 9 | Constant H. Weeks | Paris, Oneida co. N. Y. |
| Do in the water wheel for a steamboat | 10 | Robert L. Stevens | Hoboken, N. J. |
| Do in Grant's winding machine for setting up hat bodies | 10 | Joseph Grant | Providence, R. I. |
| Do in the machinery for boring and tenoning | 18 | David Sperry | Colchester, Conn. |
| Do in the spinning machine | 21 | Nathaniel Reminton | Geneva, N. Y. |
| Do in propelling machinery of all kinds | 23 | William Stanton | Centre Township, Union county, Indiana. |
| Do in the application of steam power in raising water, &c. | 24 | George Fleming | Goochland C. H. Va. |
| Do in the common turning lathe | 24 | William Patrick | Leverett, Frank. co. Ms. |

| | | | | |
|----|--|--------|---------------------------------------|--|
| Do | in the machinery for moulding and pressing brick - - | 24 | James McDonald - - - | New York. |
| Do | in the mode of preserving eggs, butter, &c. | 26 | Thomas Edmundson - - - | Pipe Creek, Frederick county, Md. |
| Do | in manufacturing wool, &c. - | 27 | John Goulding - - - | Dedham, Mass. |
| Do | in the machine for making tubes of clay | May 10 | John H. Rowell and Henry Wise - - - | Fredericktown, Pa. |
| Do | in the scraper or team shovel - | 12 | Gideon Davis and Jeremiah Price - - - | Lockport, N. Y. |
| Do | in steam engine boilers, &c. - | 14 | John Poole - - - | Shethfield, England, |
| Do | in the construction of the steam boiler | 14 | Ebenezer A. Lester - - - | Boston, Mass. |
| Do | in the mill for grinding paint - | 14 | Allen Holcomb - - - | Butternuts, N. Y. |
| Do | called a portable bedstead - | 14 | Jacob Daley - - - | Baltimore. |
| Do | in extracting oil from flaxseed, &c. | 14 | David Dodge - - - | Hamilton, Mass. |
| Do | in marine rail-ways - - - | 14 | Joseph Webb - - - | New York |
| Do | being a safety gate for canals - | 14 | Jacob Van Dorn - - - | Glen, New York. |
| Do | in stocks - - - - - | 14 | Joseph Towson - - - | Baltimore. |
| Do | in the valve cock for hydrants - | 15 | Benjamin Stancliffè - - - | Philadelphia. |
| Do | in the horizontal piano - - - | 15 | Ths. Loud, Jun. - - - | Do. |
| Do | in the use of heated air, gases, &c. in the aid of steam power - - - | 15 | Minus Ward - - - - - | Baltimore. |
| Do | in the method of building wooden bridges with draws | 15 | Garner Wilkinson - - - | White Creek, Washington county, N. Y. |
| Do | in the press for pressing cotton - | 15 | Richard Jernigan - - - | Waynesborough, N. C. |
| Do | in the construction of bridges - | 15 | John P. Bakewell - - - | Pittsburg, Pa. |
| Do | in the machine for cleaning grain, &c. | 18 | John Tyler - - - - - | Claremont, Cheshire co. New Hampshire. |
| Do | in the carts for removing earth - | 18 | Jeremiah Price - - - - | Lockport, N. Y. |
| Do | in air funnel stoves - - - - | 18 | Hiram Wales - - - - - | Randolph, Mass. |

LIST OF PATENTS—Continued.

| INVENTIONS, &c. | DATE. | NAMES OF PATENTEES. | RESIDENCE. |
|--|--------------|------------------------------------|--|
| | 1827. | | |
| Improvement in the machine for pressing brick - - - | May 18 | John Howe - - | Alna, Lincoln co. Me. |
| Do in the cast iron plough - - - | 18 | Robert Sweeny - - | Warren county, Ohio. |
| Do in the churn - - - | 19 | Levi Rosenkrans - - | Urbana, Steuben co. N. Y. |
| Do in the coal-grate blower - - - | 22 | Robert Fuller and Thos. Thomas - - | New York. |
| Do in the power-loom, by delivering the yarn uniformly - - - | 23 | Wm. B. Leonard - - | Fishkill, N. Y. |
| Do in the power-loom, by taking up the cloth uniformly - - - | 23 | Do. | Do. |
| Do in the machine for crushing corn with the cobs - - - | 25 | Samuel K. Gauntt - - | Near Greenville, Green county, Ten. |
| Do in the water-proof stiffening for hats - - - | 25 | Stephen Hempstead, Jr. | St. Charles county, Mo. |
| Do in the mode of applying water power to wheels - - - | 26 | Rt. & Th. T. M'Culloch | Albemarle county, Va. |
| Do called the vibrating treshing machine - - - | 26 | Moses Pennock - - | Kennett Square, Chester county Pa. |
| Do in the evolution and management of heat - - - | 30 | Eliphalet Nott - - | Schenectady, N. Y. |
| Do in grist-mills - - - | 31 | Ab. Delap & Avery Coe | Guilford county, N. C. |
| Do in the machine for hulling and cleaning rice - - - | 31 | John Campbell - - | Winnsborough, Fairfield district S. C. |
| Do in supplying an uniform quantity to steam boilers - - - | June 1 | Isaac Doolittle - - | Bennington, Vt. |

Do in riding carriages - - -
 Do in the construction of cast-iron foot
 stones - - -
 Do in the saw-mill - - -
 Do in the mode of applying nets to pine-
 apple cheeses - - -
 Do in the grist-mill, by grinding with
 the periphery of the stone -
 Do in the cotton or hay press - -
 Do in the water wheel - - -
 Do in the churn, &c. - - -
 Do in the mode of letting water on water
 wheels - - -
 Do in the construction of culinary fix-
 tures for anthracite coal - -
 Do in the apparatus for spinning wool
 and cotton - - -
 Do in the bellows - - -
 Do in the grist-mill, patented by M. Men-
 denhall
 Do in the machine for boring earth -
 Do in preparing mortar or grinding ap-
 ples
 Do in stills - - -
 Do in the steam engine - - -
 Do in the grist-mill - - -
 Do called the sugar-loaf mill - -

1 Wm. & Josiah Jessup - -
 2 George W. Robinson - -
 4 Anthony Bencine - -
 4 Lewis Mills Norton - -
 4 Robert S. Thomas - -
 6 Thomas D. Wilson - -
 7 Do.
 7 Nathan Whitney - -
 8 Jacob Ammon - -
 8 Jacob F. Walters - -
 11 William Church - -
 11 Jesse Dixon - -
 11 Sam. Lawing & James
 Monteith
 13 John R. Failing - -
 12 Ths. Streeter & Jas. S.
 Wibert - -
 15 Malcolm M'Gregor - -
 15 John Maynard - -
 15 William W. Forwood - -
 15 Sidney & Portius Moore - -

Guilford, N. C.
 New York.
 Milton, Caswell, N. C.
 Litchfield, Conn.
 Rockingham, N. C.
 Corydon, Indiana.
 Do.
 Augusta, Maine.
 Rockingham county, Va.
 Philadelphia.
 Birmingham, England.
 Pitsboro', Chatham co.
 N. Carolina.
 Statesville, Iredell co. N.
 Carolina.
 Canajoharie, N. Y.
 Chili, Monroe co. N. Y.
 New York.
 Ovid, N. Y.
 Harford county, Md.
 Mount Tirzah, Person
 county, N. C.

LIST OF PATENTS—Continued.

| INVENTIONS, &c. | DATE. | NAMES OF PATENTEES. | RESIDENCE. |
|--|---------|------------------------|-----------------------|
| | 1827. | | |
| Improvement in making <i>scagliola</i> shining | June 18 | Salvadore Pinistri | New York. |
| Do in the cork cutter | 18 | Luther Hills | Boston |
| Do in the boot crimping machine | 19 | Samuel Morehouse | Eastport, Maine. |
| Do in suspenders | 19 | Edwin Chesterman | New York |
| Do in the engine for dividing scales, &c. | 20 | Lemuel Hedge | Windsor, Vt. |
| Do in the grist mill | 27 | William A. Turner | Plymouth, N. C. |
| Do in the machine for dyeing and polishing leather | 27 | Samuel Conillard, jun. | Boston. |
| Do in the machine for sawing shingles, &c. | 27 | Nathan Swift | Lebanon, Conn. |
| Do in the washing machine | 27 | David Beard | Buffalo, N. Y. |
| Do in the plough | 27 | William Beach | Philadelphia. |
| Do in the machine for hewing and hammering stone | 27 | Charles B. Reed | West Bridgewater, Ms. |
| Do in the machine for spinning wool | 29 | Benjamin Lapham | Queensbury, N. Y. |
| Do called a horse yoke | 29 | Adolphus Allen | Troy, N. Y. |
| Do in preventing friction on spindles | July 6 | Johann Gottlieb Sholze | Pickaway Township, O. |
| Do in percussion gun locks | 10 | Marvell Davis | Mayville, N. Y. |
| Do in the mortising machine | 10 | Simon Leroy | Mexico, N. Y. |
| Do in making steam and rotary wheel engines | 10 | Francis Harris | Albany, N. Y. |
| Do in the mode of manufacturing wool, &c. | 10 | John Goulding | Dedham, Mass. |

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|----|--|----|------------------------|---|--------------------------------|
| Do | in the machine for roping and spinning wool. &c. | 13 | Henry Wilson | - | Pomfret, N. Y. |
| Do | in taking boats from one level to another | 13 | Robert P Bell | - | New York. |
| Do | being a cement for roofs or walls of buildings | 13 | Charles Clinton | - | Do. |
| Do | in the screw auger | 13 | Judson Smith | - | Derby. Conn. |
| Do | in the hand printing press | 14 | Samuel Conillard, jun. | - | Boston. |
| Do | in the spindle for spinning cotton, &c. | 14 | Benjamin Brundred | - | Oldham. Bergen co. N. J. |
| Do | in the machine for bending the tire of wheels | 14 | Walter Jones | - | Ashford, Windham county, Conn. |
| Do | in the rotative piston | 16 | John M. Cooper | - | Guildhall, Essex co. Vt. |
| Do | in the mode of hauling earth from canals | 16 | Oliver Phelps | - | Lansing, Tomp. co. N. Y. |
| Do | in the grist mill | 18 | Washington Adams | - | Guilford county, N. C. |
| Do | in fermenting and distilling spirits | 20 | Ira Belnap | - | Millersburg, Dauphin co. Penn. |
| Do | in the manufacture of gas lights from cotton seed | 21 | Denison Olmstead | - | New Haven, Conn. |
| Do | in the portable crane for raising brick, &c. | 21 | Ezk'l Mann & Geo. Hill | - | Rochester, N. Y. |
| Do | in the grist mill | 21 | Avery Coe & John Coe | - | Guilford county, N. C. |
| Do | in the bush for a mill stone | 23 | Nathan Taylor | - | Urbana, Steuben co. N. Y. |
| Do | in the mode of making cordage by machinery | 25 | Robert Graves | - | Brooklyn, N. Y. |
| Do | in the mode of passing boats up and down elevations in canals | 26 | Do | - | Do. |
| Do | in the machine for making coopers' staves ready for the tress hoop | 27 | Amory Amsden | - | Bloomfield, Ont. co. N. Y. |

LIST OF PATENTS-- Continued.

| INVENTIONS, &c. | DATE. | NAMES OF PATENTEES. | RESIDENCE. |
|--|----------------|--|---|
| | 1827. | | |
| Improvement in the family spinner - - - | July 27 | William W. Jones - - - | Thornville, Perry co. O. |
| Do in the construction of railway carriages - - - | 27 | Richard P. Morgan - - - | Stockbridge, Mass. |
| Do in the machine for cutting straw - - - | 27 | L. Durham and John S. Pleasants - - - | Halifax county, Va. |
| Do in the machine for cutting grain by horse power - - - | 28 | Do - - - | Do. |
| Do called an up-and-down revolving wheel for raising water - - - | 28 | Henry Miller - - - | Allentown, Pa. |
| Do in the cast iron horse hoe for weeding, &c. - - - | 28 | William Carmichael - - - | Sand Lake, N. Y. |
| Do called the coach alarm - - - | 30 | Walter Hunt - - - | New York. |
| Do in the manufacture of hollow wooden ware - - - | 30 | Elisha Briggs - - - | Perry, Genesee co. N. Y. |
| Do in the method of cooling fluids - - - | 31 | William Thornton - - - | Washington, D. C. |
| Do called the chimney smoke and safety valve - - - | 31 | Joseph H. Schreiner - - - | Philadelphia. |
| Do in the mode of moving brick, stone, &c. - - - | 31 | Simeon Brown - - - | New York. |
| Do in the harrow and plough hoe - - - | 31 | Isham Cheatham - - - | Providence Inn, Chesterfield co. Va. |
| Do in the machine for cutting card teeth - - - | Aug. 1 | Joshua Lamb - - - | Leicester, Mass. |
| Do in the tide mill - - - | 1 | Robert Spedden - - - | Talbot county, Md. |

| | | | | |
|----|--|----|------------------|---------------------------------------|
| Do | in the machine for dressing and drilling stone | 3 | Hermon Bourne | Salem, Mass. |
| Do | called the sack shoulderer | 3 | Lewis Rice | Clarksboro', Gloucester county, N. J. |
| Do | called the economical victualler | 4 | Benj. C. Burdett | New York. |
| Do | in the mode of tightening bed sacking | 10 | John K. Simpson | Boston. |
| Do | called the sea island cotton cleaner | 10 | Jesse Reed | Marshfield, Mass. |
| Do | in the threshing, winnowing, and flax breaking machine | 11 | Edmund Warren | New York. |
| Do | for removing stumps and other heavy and fixed bodies | 17 | Abijah Pratt | Jackson. Washington county N. Y. |
| Do | in the steam engine | 17 | Warren P. Wing | Greenwich Village, Ms. |
| Do | in the machine for threshing and breaking flax, &c. | 20 | Peter Barker | Worthington, Ohio. |
| Do | in the right and left plough | 20 | George Dofler | Fredericktown, Md. |
| Do | in the method of determining the strength of liquors | 20 | William Cornell | Brooklyn, N. Y. |
| Do | in the water wheel for saw and grist mills | 22 | James Deniston | Lanier T wnship, Preble co. Ohio. |
| Do | in the sofa bedstead united | 22 | John R. Penniman | Boston. |
| Do | in the gearing of cones for bowing hats | 22 | Truman F. Mayhew | Do. |
| Do | in plane stocks of cast iron | 24 | Hazard Knowles | Colchester, Conn. |
| Do | in the composition to start the animal oil which wool contains | 24 | John Goulding | Dedham, Mass. |
| Do | in the mode of manufacturing wool | 24 | Do | Do |
| Do | in the mode of scouring and washing clothes | 24 | Do | Do. |
| Do | in the mode of throwing the shuttle in weaving | 24 | Do | Do. |

LIST OF PATENTS—Continued.

| INVENTIONS, &c. | DATE. | NAMES OF PATENTEES. | RESIDENCE. |
|--|---------|-------------------------------------|--|
| | 1827. | | |
| Improvement called the accelerating washer - | Aug. 29 | Moses Cass - - | Caroline, N. Y. |
| Do in making aqueducts of water proof lime - - | 29 | John M. Benham - - | Bridgewater, N. Y. |
| Do in the loom for weaving figured goods | 30 | Horace Baker - - | North Salem, West Ches- ter county, N. Y. |
| Do in distilling - - | 30 | John M. Aiken - - | Philadelphia. |
| Do in the construction of boats - - | 31 | Thomas Thorpe - - | Washington, D. C. |
| Do called the two-edged saw - - | 31 | M. Cass and A. Bull - - | Caroline, Tomp. co. N. Y. |
| Do called a pitch syringe - - | 31 | Daniel Flint - - | Nobleboro', Maine. |
| Do in the hydraulic elevator - - | 31 | David Corey - - | New York. |
| Do in the carding machine - - | Sept. 8 | John Tillon - - | Newtown, Conn. |
| Do in the machine for moulding brick and tile | 8 | Ezra Fisk and Benja- Hinkley - - | Fayette, Maine. |
| Do in the magazine percussion gun-lock | 11 | James B. Lowry - - | Mayville, N. Y. |
| Do in the machine for separating the hair from fur - - | 11 | John MacDonald - - | New York. |
| Do called the open screw water-wheel - - | 11 | Elijah Skinner - - | Sandwich, N. H. |
| Do in the cast iron bark mill - - | 13 | William Torrey - - | Westbrook, Cumberland county, Maine. |
| Do in the churn - - | 13 | Daniel Sheldon - - | Pultney, Steub. co. N. Y. |
| Do called the propelling water paddle - - | 13 | John James Giraud - - | Baltimore. |
| Do in the mode of tanning leather - - | 18 | Ormond Cogswell - - | Cincinnati, Ohio. |

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|----|--|---|--------|---------------------------------|---|----------------------------------|
| Do | in the hoe, called the prong hoe | - | 20 | Joseph Wilson | - | Marlborough, N. H. |
| Do | on Hawe's machine for making shingles | - | 20 | George A. Hoard | - | Antwerp, Jefferson county, N. Y. |
| Do | in the fanning mill | - | 20 | Enoch Walker | - | Springfield 4 corners, Pa. |
| Do | in the machine for cutting shingles | - | 20 | George W. Dana | - | Lowville, Lewis county, N. York. |
| Do | in a composition for preventing scurvy | - | 28 | James U. Armour | - | Fredericktown, Md. |
| Do | on I. Johnson's saw mill | - | 28 | Anson B. Graham | - | Lee, Mass. |
| Do | in the washing machine | - | 28 | Franklin Kellsey | - | Middletown, Conn. |
| Do | called a spring saw-set | - | Oct. 4 | John Boggs | - | Philadelphia. |
| Do | in the printing press | - | 5 | Samuel Conillard | - | Boston. |
| Do | called a power-gained lever | - | 5 | Edward G. Fitch | - | Blakely, Ala. |
| Do | in the threshing machine | - | 5 | Ebenezer B. Pike | - | Litchfield, Maine. |
| Do | in making pressed glass knobs at one operation | - | 6 | John Robinson | - | Pittsburg, Pa. |
| Do | in the flexible rack for marine railways | - | 6 | Jesse Wood and Paul A. Sabbatam | - | New York. |
| Do | in hydraulics | - | 6 | Jacob Roup | - | Kenhawa county, Va. |
| Do | in the cast iron sleigh shoe | - | 6 | Edward Trask | - | Sangerfield, Oneida co. N. York. |
| Do | in the machine for mortising and tenoning timber | - | 8 | John McClintic | - | Chambersburg, Pa. |
| Do | in the machine for making plastering laths | - | 9 | Ths. Wright and Abm. P. Howell | - | Cincinnati, Ohio. |
| Do | on Dearborn's balance | - | 10 | Samuel Blaisdel | - | Lancaster, Ohio. |
| Do | called the screw cradle for raising ships, &c. | - | 12 | Charles Miner | - | Lyme, Conn. |
| Do | in the lever percussion gun-lock | - | 16 | John Ambler, jun. | - | South New Berlin, N. Y. |
| Do | in the moulds for pressing glass | - | 16 | Phineas C. Dummer | - | Jersey City, N. J. |

LIST OF PATENTS—Continued.

| INVENTIONS, &c. | DATE. | NAMES OF PATENTEES. | RESIDENCE. |
|--|---------|--|-------------------------|
| | 1827. | | |
| Improvement in the combination of moulds in forming glass | Oct. 16 | G. Dummer, P. C. Dummer, & Js. Maxwell - - | Jersey City, N. J. |
| Do in the verticle bucket in propelling boats - - - | 17 | Stacy Costill - - | Philadelphia. |
| Do being a bobbin tube for spinning cotton - - - | 18 | Benj. Hutchinson - - | Do. |
| Do in propelling machinery by weight | 19 | Cain Broyles - - | Tellico, Ten. |
| Do in the trip-hammer propelled by the foot | 19 | Ebenezer Pierce & Jos. Hathaway - - | Pulteney, N. Y. |
| Do in the mode of heaving down vessels | 19 | John Crowninshield - - | Salem, Mass. |
| Do called the mechanical type caster - | 23 | John Sturdevant & Edwin Starr - - | Boston. |
| Do in the water-proof stiffening for hats | 26 | Stephen Hempstead, jr. | St. Charles county, Mo. |
| Do in the machine for cutting corks - | 30 | George Rawlings - - | Philadelphia. |
| Do in the application of the escape heat of the steam engine - - | 30 | Alexander Brown - - | Salina, N. Y. |
| Do in biting the figures on steel cylinders for calico printers | 30 | D. H. Mason & M. W. Baldwin - - | Philadelphia. |
| Do in distilling - - - | 30 | William J. Cocke - - | Surrey county, Va. |
| Do in the planing machine - - - | Nov. 1 | Josiah Reihm - - | Savage Factory, Md. |
| Do in the construction of clocks - - | 6 | Harrison G. Dyar - - | New York. |
| Do in cast iron hubs for wheels - - | 6 | Benjamin Lyman - - | Manchester, Conn. |

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|----|--|--------|---------------------------------|-----------------------------------|
| Do | in the method of cleaning and polishing rice | 6 | Elijah Wilder | Jersey City, N. J. |
| Do | in the machines for cutting the fur from skins | 10 | Charles C. K. Beach | Portland, Maine. |
| Do | in the percussion gun-lock | 10 | Joseph Shattuck | Jefferson county, Ohio. |
| Do | in making moccasins water-proof | 10 | John Syms | New York. |
| Do | in the mode of letting water on water-wheels | 10 | Michael Hildebrand | M'Minn county, Ten. |
| Do | in the retention and discharge of fluids | 10 | Bradford Seymour | Westmoreland, N. Y. |
| Do | in the Kent bugle | 10 | Richard Willis | West Point, N. Y. |
| Do | in the machine for making shingles | 10 | Oliver Wheeler | Rochester, N. Y. |
| Do | in the mode of imitating all kinds of marble | 13 | Benjamin Trembley | New York, |
| Do | in making side and neck combs | 15 | Uriah Bailey | West Newbury, Essex county, Mass. |
| Do | in the hydrostatic steam cradle | 16 | Charles Miner | Lyme, Conn. |
| Do | in rolling the backs of combs | 17 | Nathaniel Bishop | Danbury, Conn. |
| Do | called the "frame chain," | 19 | David Leslie | New York. |
| Do | in making leather water-proof | 19 | David Kizer | Do. |
| Do | called the improved reciprocal saw-mill | 23 | William Kendall, jun. | Waterville, Maine. |
| Do | in the machine for washing clothes and shelling corn | 23 | Benjamin Rice | Denmark, Lewis co. N. Y. |
| Do | in using the scape-steam of an engine | Dec. 3 | Davis Embree | New Richmond, Ohio. |
| Do | in the machine for turning rake and hoe handles | 3 | Wm. Shepardson & Jos. C. Sperry | Hamilton, N. Y. |
| Do | in the vest spring and stiffener | 5 | James G. Shute | Boston. |

LIST OF PATENTS—Continued.

| INVENTIONS, &c. | DATE. | NAMES OF PATENTEES. | RESIDENCE. |
|---|--------|----------------------------------|--------------------------------------|
| | 1827. | | |
| Improvement in the construction of four-wheel carriages | Dec. 6 | Theodoric Brooks and D. W. Eames | Rutland, N. Y. |
| Do in the machine for punching copper | 6 | William Ballard | Boston. |
| Do in the mode of holding boots or shoes whilst pegging | 8 | Samuel Nourse | Danvers, Mass. |
| Do in the machine for breaking flax | 11 | Henry Schoonhoven | Pulteney, Steub. co. N. Y. |
| Do in slinging the yards of vessels | 11 | Isaac Carver, jun. | Prospect, Maine. |
| Do in the saw-mill | 11 | Benj. Overman | Greensboro', N. C. |
| Do in the grist-mill | 11 | James Robinson | Buckskin Township, Ross co. Ohio. |
| Do in warming rooms | 15 | A. McAllester and John Iggett | Salem, Wash. co. N. Y. |
| Do in the common hand rake for hay, &c. | 19 | Ambrose Foster | Auburn, N. Y. |
| Do in the machine for cutting fur | 20 | Michael Petre | Womelsdorf, Pa. |
| Do in the tread-wheel | 22 | Cornelius Watson | Addison Township, O. |
| Do in the machine to propel vessels at sea, &c. | 22 | Elijah Bryan | New York. |
| Do in the art of distilling | 22 | James Lusk | Butler county, Ohio. |
| Do in the common spectacles and single eye-glasses | 22 | S. Newton | Washington, D. C. |
| Do in the barshear plough | 24 | Eli Pugh | Chatham county, N. C. |
| Do in the machine for turning rake handles | 26 | Anson Sperry | Rotterdam, Schenectady county, N. Y. |

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|----|------------------------------------|---|----|-------------------------|---|---|------------------------|
| Do | called the sliding plane turner | - | 26 | Jonathan Sparrow | - | - | Portland Maine. |
| Do | in the machine for spinning cotton | - | | | | | |
| | bagging | - | 28 | John C. Dewees | - | - | Mason county, Ky. |
| Do | in the mortising machine | - | 28 | Abel Greenleaf & Hollis | | | Mexico, Oswego county, |
| | | | | Amidons | | | N. York. |
| Do | in cast iron shives for shipping | - | 29 | Francis Seymour | - | - | Plymouth, Mass. |
| Do | in the plough for planting cotton | - | 31 | Bird Murphy | - | - | Union District, S. C. |
| Do | in the reciprocating saw-mill | - | 31 | William Kendall | - | - | Waterville, Maine. |



PATENTS—1828.

LETTER

FROM

THE SECRETARY OF STATE,

TRANSMITTING

A List of Patents, with the names and residence of the Patentees, granted for the invention of any new or useful art or machine, manufactures, or composition of matter, or improvement thereon, from the first of January to the thirty-first of December, 1828, inclusive.

JANUARY 8, 1829.—Read, and laid upon the table.

DEPARTMENT OF STATE,

January 1, 1829.

SIR: In pursuance of the resolution of the House of Representatives of the United States, dated the 13th of January, 1812, I have the honor of transmitting a list of the names of persons who have invented any new or useful art or machine, manufacture, or composition of matter, or any improvement thereon, and to whom patents have been issued for the same from this office, from the 1st day of January, 1828, to the 31st day of December, inclusive, with the dates and general objects of such patents; and also the residence of the patentees, as far as they could be ascertained.

I have the honor to be, with great consideration, your very obedient servant.

H. CLAY.

To the Hon. the SPEAKER
of the House of Representatives of the United States.

A LIST OF PATENTS for the year ending on the 31st December, 1829.

| INVENTIONS, DISCOVERIES, &c. | DATE. | NAMES OF PATENTEES. | RESIDENCE. |
|---|--------|---|---|
| | 1828. | | |
| Improvement in making for locks in canals - - | Jan. 4 | Daniel Rodgers - | Little Falls Town, Herkimer county, N. York. |
| Do in the hydrostatic and hydraulic elevator | 5 | James M'Creary - | Noblestown, Alleghany co. Pennsylvania. |
| Do in the machine for churning - - | 10 | Samuel H. Baker - | Well's Township, Bradford county, Pennsylvania. |
| Do in manufacturing artificial stone - - | 16 | Robt. M'Kay, Donald M'Kenzie, Jos. Woodhull - - - | Caledonia, Livingston co. N. York. |
| Do in the tubular steam generator - - | 17 | Reid R. Throckmorton | New York. |
| Do in the machine for dressing flax and hemp | 17 | John C. Weuzle - | Louisville, Kentucky. |
| Do in generating inflammable gases from anthracite coal - - - | 19 | Minus Ward and Richd. Wilmot Hall - | Baltimore. |
| Do in the common turning lathe - - - | 19 | Jefferson Moore - | Leverett, Franklin co. Mass. |
| Do in the vibrating machine for napping cloth | 21 | Samuel Duncan - | Northampton, Montgomery county, N York. |
| Do in making leather and cloth water proof - | 21 | J. L. Comstock - | Hartford, Connecticut. |
| Do in the floating excavator - - - | 22 | Harvey W. Campbell - | Lockport, N. York. |
| Do in suspending the yards of vessels - - | 23 | Samuel Adams Wells - | Boston. |
| Do in the machine for making barrels, &c. - | 24 | Wm. & Marcus Adams | Ogden, Monroe co. N. Y. |
| Do in the mortising machine - - - | 24 | John J. Kellogg - | Richmond, Oswego county, N. York. |
| Do in the spring saddle - - - | 24 | Thomas Harvey - | Middletown, Delaware. |

Do in the screw water wheel - - -
 Do in the plough - - -
 Do in the cooking stove - - -
 Do in the hay press - - -
 Do in the grist mill - - -
 Do in the machine for making brick - - -
 Do in the steam engine - - -
 Do in the spring teeth rack frame steam engine
 Do in making an oil paint for plastered houses
 Do in rheumatic pills - - -
 Do in pressing horns for combs with steel plates
 Do being a remedy for dysentery, dyspepsia, &c.
 Do in the machine for packing cotton - - -
 Do in the mode of distilling spirituous liquors
 Do in the excavator, or self loading cart - - -
 Do in the printing press - - -
 Do in the printing press - - -
 Do in hubs for carriage wheels - - -
 Do in the machine for breaking and dressing
 flax and hemp - - -
 Do in the machine for junking ivory by
 steam, &c. - - -
 Do in the machine for thrashing grain & grass
 seed - - -

Feb.

25 Ebenezer Beard - Charlestown, Mass.
 26 William Wiard - Avon, Livingston county,
 New York.
 26 Robert C. Rouse - Athens, Green county, N.
 York.
 26 Moses B. Bliss - Pittstown, Kennebeck coun-
 ty, Maine.
 28 William L. Taylor - M-Minn county, Tenn.
 29 David Rising - Colchester, Chittenden co.
 N. York.
 29 Simeon Broadmeadow - New York.
 1 William Willis - Charleston, S. Carolina.
 2 Alexander Thompson - Bethany, N. York.
 2 Ezra Deane - Biddeford, Maine.
 2 Uriah Bailey - West Newbury, Mass.
 2 Truman Powell - Burlington, Vermont.
 4 William J. Cocke - Cabin Point, Sussex coun-
 ty, Virginia.
 4 Do. - Do.
 5 Waldren Beach - Philadelphia.
 7 John C. Holbrook and
 Elihu H. Thomas - Brattleborough, Vermont.
 7 John C. Holbrook and
 Elihu H. Thomas - Brattleborough, Vermont.
 8 Hercules Thomas - Midway, Norfolk co. Mass.
 8 Evans Christian - Town of Philada. Jefferson
 [county, N. Y.
 9 Linus Pratt and Fenner
 Bush - Meriden, N. Haven co. Ct.
 9 David W. Webster - Amesbury, Mass.

LIST OF PATENTS—Continued.

| INVENTIONS, DISCOVERIES, &c. | DATE. | NAMES OF PATENTEES. | RESIDENCE. |
|---|---------|------------------------|--|
| Improvement in stoves, chimneys, furnaces, &c. - | Feb. 10 | John J. Giraud - | Baltimore. |
| Do in the machine for cutting straw - | 11 | Warren Commins - | Livingston county, N. Y. |
| Do in the high pressure steam engine - | 11 | Isaiah Jennings - | New York. |
| Do in the grailing machine - - - | 12 | Philo Pratt - | Meriden, Connecticut. |
| Do in the machinery for slitting ivory - | 12 | Do - | Do. |
| Do in the specific steam engine - - | 13 | Augustus S. Kirk - | Smithfield township, Jefferson county, Ohio. |
| Do in the machine for separating and collecting gold, &c. - - - | 13 | William H. Folger - | Spartansburg district, S. C. |
| Do called the apple grater - - - | 13 | Uri Emmons - | New York. |
| Do in the canal steamboats - - - | 14 | John F. Wright - | Erie, Pennsylvania. |
| Do called an apparatus for cooking, &c. - | 15 | Ezekiel E. Bennett - | Kingsbury, Wash'n co. N. Y. |
| Do in the mode of drawing lotteries - - | 15 | William E. Spalding - | Brooklyn, Conn. |
| Do in the thrashing machine - - - | 18 | Elias B. Hort - | Charleston, S. C. |
| Do in the machine for sawing and polishing marble - - - | 18 | Archibald McAllister - | Salem, Wash'n co. N. Y. |
| Do in the machine for swingling flax - | 18 | Samuel Achey - | Heidelberg township, Lebanon county, Penn. |
| Do in the water wheel - - - | 20 | Joseph Torrey - | Ravenna, Portage co. Ohio. |
| Do in the mode of fastening window shutters | 19 | Truman Bartholomew - | New York. |
| Do in the hammer for cutting & dressing stone | 20 | Joseph Richards - | Braintree, Norfolk co. Mass. |
| Do in preparing cotton-yarn wicks for candles | 21 | George Dickinson - | New York. |
| Do in the spiral water wheel - - - | 21 | James Kelly - | Jackson county, Ohio. |
| Do in the mode of filtering water - - - | 22 | Christopher Hall - | Norfolk, Virginia. |
| Do in the machine for thrashing rice - | 22 | Edmund Warren - | New York. |

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| Do | in cast iron window sashes | - | - | 23 | Isaac McNary | - | Stafford, Connecticut. |
| Do | in steam boilers | - | - | 22 | James G. Wilson | - | New York. |
| Do | in the machine for spinning wool, &c. | - | - | 26 | Theodore Thos. Abbot | - | Greenland, N. Hampshire. |
| Do | in the mode of making shovels, scythes, &c. | - | - | 28 | Eliz. H. Bulkeley, widow of Chauncey Bulkeley | - | Colchester, Conn. |
| Do | in the grist mill | - | - | March 1 | Samuel Holland | - | Hanover, Columbia co. O. |
| Do | in the thrashing machine | - | - | 3 | Michael First | - | Uniontown, Maryland. |
| Do | in the cooking stove | - | - | 3 | Daniel G. Garnsey | - | Pomfret, Chatauque co. N. Y. |
| Do | in making carriage bodies | - | - | 4 | Jesse Reeder | - | Lebanon, Warren co. Ohio. |
| Do | in the mode of curing tobacco | - | - | 4 | Martin and Thos. Baker | - | Louisa county, Virginia. |
| Do | in the lever for working horse mills | - | - | 6 | John Galbraith | - | Maury county, Tenn. |
| Do | in making tongs from cast iron | - | - | 6 | Enos H. Buell | - | Marlborough, Conn. |
| Do | in the thrashing machine | - | - | 6 | William Loomis | - | Springfield, Oswego county, Georgia. |
| Do | in clarifying the juice of the cane | - | - | 7 | William J. McIntosh | - | [N. Y.] |
| Do | in the material for making paper | - | - | 8 | William Magaw | - | Meadville, Crawford co. Pa. |
| Do | in the machine for raising vehicles | - | - | 8 | Hezekiah Salisbury | - | Springfield, Mass. |
| Do | in the construction of ploughs | - | - | 8 | Richard Loveridge | - | Knox county, Ohio. |
| Do | in generating steam gas, or vapor | - | - | 10 | Ebenezer A. Lester | - | Boston. |
| Do | in the mode of applying water in propelling machinery | - | - | 10 | George Morgan Gibbs | - | Prince Wm.'s parish, S. C. |
| Do | in the machine for bending sheet iron boilers, &c. | - | - | 11 | Calvin Post | - | Springport, Cayuga co. N. Y. |
| Do | in making cast iron shoes for sleighs, &c. | - | - | 12 | Ichabod Arnold | - | Oswegatchie, New York. |
| Do | in the grist mill | - | - | 12 | Admiral Warren | - | Saugerties, Ulster co. N. Y. |
| Do | in the machine for boring rocks | - | - | 14 | Israel Overall | - | Liberty, Smith co. Tenn. |
| Do | in the application of steam | - | - | 14 | Joseph Skinner | - | Mantua, Ohio. [Va.] |
| Do | in carriages | - | - | 15 | Thomas Knox | - | Sniggersville, Loudon co., |
| Do | in the mode of propelling boats, &c. | - | - | 15 | Timothy Davis | - | Lawrence, Dearborn coun- |
| Do | in the construction of wash stands | - | - | 15 | John Williams | - | Baltimore. [ty, Ind.] |

LIST OF PATENTS—Continued.

| INVENTIONS, DISCOVERIES, &c. | DATE. | NAMES OF PATENTEES. | RESIDENCE. |
|---|---------|---|---|
| Improvement in the trip hammer - - - | Mar. 17 | Levi Rosenkrans - | Town of Big Flats, Tioga county, N. Y. |
| Do in the machine for shelling corn - | 18 | John Brown - - | Providence, R. I. |
| Do in piano fortes - - - | 18 | C. F. L. Albrecht - | Philadelphia. |
| Do in moulding and pressing bricks - | 19 | David Flagg, Jun. - | Gardiner, Maine. |
| Do in the machine for washing clothes, churning, &c. - - - | 21 | Rufus R. Palmer - | Caroline township, Tompkins county, N. Y. |
| Do in the sattinet power loom - - | 22 | Rich'd Mitchell and Nathaniel Butterworth - | Troy, Bristol co. Mass. |
| Do in the mode of applying the Archimedian screw in raising water - - | 25 | Perry Harris - - | Preble county, Ohio. |
| Do in the evolution and management of heat - | 26 | Eliphalet Nott - - | Schenectady, New York. |
| Do in the machine for grinding bark - - | 27 | Aaron Bull - - | Caroline, Tompkins co. N. Y. |
| Do in the washing machine - - - | 28 | Do - - - | Do. |
| Do in the tools for cutting soal leather - | 28 | Luke Marble - - | Henrietta, Monroe co. N. Y. |
| Do in the machine for boring pump logs, &c. | 31 | Samuel Draper - | Camillus, Canandaigua co. N. York. |
| Do called the gang saw shingle machine - | April 2 | Cheney Read - - | Western, Mass. |
| Do in constructing bellows or blowing machines - - - | 3 | Elijah Brady - - | Mount Pleasant, West Chester co. N. Y. |
| Do in the manufacture of cooper's work - | 3 | Hiram Waters - - | Watertown, Jeff. co. N. Y. |
| Do being an oven for baking over a cooking furnace - - - | 5 | Eli Moody - - | Northfield, Franklin county, Mass. |

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| Do | called the safety compass lamp | - | 5 | Joseph Feinour, jun. | - | Philadelphia. |
| Do | in making terro-metallic teeth | - | 5 | Anthony Plantou | - | Philadelphia. |
| Do | in the machine for carding wool | - | 5 | Henry A. Shannon | - | Columbia county, N. Y. |
| Do | in raising water by vacuum produced by steam | - | 5 | Joseph S. Fox | - | Otto, Cattaraugus co. N. Y. |
| Do | in distilling by steam | - | 5 | Benjamin Barr | - | Strasburg Township, Lancaster co. Pa. |
| Do | in the machine for shearing cloth | - | 7 | Isaac Kellogg and Geo. C. Kellogg | - | New Hartford, Litchfield co. Conn. |
| Do | in transporting carriages on inclined planes | - | 9 | Moncure Robinson | - | Henrico co. Va. |
| Do | in the thrashing machine | - | 10 | John H. Bennet | - | Aurelius, Cayuga co. N. Y. |
| Do | in the fire engine | - | 12 | Ezekiel Daboll | - | Canaan, Litchfield co. Conn. |
| Do | in locking hind wheels of wagons | - | 14 | George Diven | - | Franklin co. Pa. |
| Do | in the mode of obtaining water | - | 14 | Timothy Davis | - | Lawrence township, Dearborn co. Indiana. |
| Do | in making paper from the "Ulva Marina" | - | 15 | Elisha Hayden Collier | - | Plymouth co. Mass. now in London, Eng. |
| Do | in making sugar boxes by machinery | - | 15 | Paul Pearson and John Howe | - | Atna, Lincoln co. Maine. |
| Do | in medicine | - | 16 | Fitzgerald Bird | - | Hancock, Georgia. |
| Do | in the reel for handling hides, skins, &c. | - | 17 | William Brown | - | Frankford, near Phila. |
| Do | in the thrashing machine | - | 17 | Calvin Emmons | - | New York. |
| Do | in the mortising machine | - | 18 | William E. Marsh | - | Westfield township, Essex co. N. J. |
| Do | in the machine for planting and cultivating cotton | - | 19 | Richard Herbert | - | Williamson co. Tenn. |
| Do | in canal boats | - | 21 | Benjamin Phillips | - | Philadelphia. |
| Do | in Brown's standing press frame | - | 22 | Robert Hoe | - | New York. |
| Do | in the revolving hydraulic engine | - | 22 | Asahel Hubbard | - | Windsor, Vermont. |
| Do | in the bogging machine | - | 23 | James A. Post | - | Warwick township, Orange co. N. Y. |
| Do | in the common carriage axle | - | 23 | Daniel W. Phillips and Wm. Maher | - | Covington, N. Y. |

LIST OF PATENTS.—Continued.

| INVENTIONS, DISCOVERIES, &c. | DATE. | NAMES OF PATENTEES. | RESIDENCE. |
|---|----------|------------------------|---------------------------------------|
| Improvement in the churn - - - - | April 23 | Edward Spain - | Mount Holly, Burlington co. N. J. |
| Do in the machine for spinning wool, cotton, &c. - - - - | 24 | Arthur Critchfield - | Union Township, Licking co. Ohio. |
| Do being a composition for making roofs fire and water proof - - - - | 25 | David Greer - - | Pittsburg, Pa. |
| Do in the lever press - - - - | 25 | William Linn - - | Danville, Pittsylvania co. Virginia. |
| Do in the plough - - - - | 26 | John Deats - - | Middletown, Bucks co. Pa. |
| Do in the portable oven - - - - | 26 | Francis L. Hedenberg - | New York. |
| Do in the mode of converting alternate rectilinear in rotary motion - - - - | 28 | Peter Cooper - - | New York. |
| Do in saw mills - - - - | 28 | Isaiah Call - - | Woodstock, Windsor county, N. Y. |
| Do being an oyster platform - - - - | 29 | John Vreeland - | New York. |
| Do in the printing machine, or roller press | 29 | George W. Cartwright | Mount Pleasant, Westchester co. N. Y. |
| Do in the process of testing leaden pipes for conveying water - - - - | 29 | Theophilus Packard - | Sheburn, Franklin county, Mass. |
| Do in the corn shelling machine - - - - | 29 | William Hoyt - - | Vernon, Jennings co. Ind. |
| Do in the saddle - - - - | 30 | Alexander Marshall - | Pikeland Township, Chester co. Pa. |
| Do in metallic bands for communicating motion, &c. - - - - | May 1 | Joseph Eve - - | Augusta, Geo. |
| Do being a machine for sawing hoops, basket stuff, &c. - - - - | 1 | Phineas Slayton - | Lockport, New York. |
| Do on Isaac Leavitt's washing machine - | 1 | Eli M. Gibbs - - | Chenango county, N. York. |

Do in the mode of raising and lowering canal
 boats - - - -
 Do in the washing machine - - - -
 Do in the spring and valve marine propeller
 Do in the construction of bedsteads - -
 Do in the percussion lock for fire arms -
 Do in the machine for cutting plugs for ves-
 sels - - - -
 Do in the machine called the wheelwright's
 fellow-lathe - - - -
 Do in the rope-reeding machine -
 Do in the double shooting gun or rifle -
 Do in percussion gun locks - - - -
 Do in the cooking stove - - - -
 Do in the water wheel - - - -
 Do in the machine for breaking hemp -
 Do in the machine for spinning wool and cot-
 ton from the roll - - - -
 Do in making clay pipes - - - -
 Do in tanning and manufacturing hides into
 leather - - - -
 Do in making glass furniture, knobs, or han-
 dles - - - -
 Do in the boilers of steam engines - - - -
 Do in the machine for cutting leather in mak-
 ing shoes - - - -

1 William Wiard - Avon, Livingston co. N. Y.
 1 Moses P. Parker - Lowville, Lewis co. N. Y.
 2 William Willis - Charleston, S. C.
 2 Silas Hyde - Arcadia, Wayne co. N. Y.
 3 Oren Moses - Malone, Franklin co. N. Y.
 3 Jas. Josslyn, (re-issued) New York.
 5 John Sitton and James
 A. Black - Columbia, S. C.
 5 Abraham Boring and
 Wm. W. Jones - Thornville, Perry co. Ohio.
 5 Silas Mosher and Noble
 White - Hamilton, Madison co. N. Y.
 8 Jedediah Caswell - Manlius, Onondaga co. N. Y.
 9 Abraham Fisher - Claremont, Sullivan c. N. H.
 9 John Bell - Sycamore Township, Ham-
 iltan co. Ohio.
 12 John S. Van de Graaff Scott co. Ky.
 12 William R. McCall - Knox co. Indiana.
 13 Thomas Wickersham - Newbury, York co. Pa.
 13 Ebenezer Shove and
 Thomas Hunt - Locke, Cayuga co. N. Y.
 14 Thos. and John P. Bake-
 well - Pittsburg, Pa.
 14 James P. Attaire - New York.
 15 George P. Mitchell - Burlington, N. Jersey.

LIST OF PATENTS--Continued.

| INVENTIONS, DISCOVERIES, &c. | DATE. | NAMES OF PATENTERS. | RESIDENCE. |
|--|--------|---|---|
| Improvement in the mortar for pounding rice - | May 17 | John Ravenel - - | Charleston, S. Carolina. |
| Do in distilling spirits from grain and fruit - | 17 | Jacob Hugus - - | Hempfield township, West- moreland co. Pa. |
| Do in the machine for cutting pegs - - | 22 | Hezekiah Thurber - | Town of Painted Post, Steu- ben co. N. Y. |
| Do in the mode of making shingles by ma- chinery - - - - | 22 | Stilman Howe and Chas. Chafin - - | Holden, Worcester co. Mass |
| Do in the saw frame for sawing veneers - | 22 | Benjamin Crehore - | Milton, Mass. |
| Do in the copperplate printing press - | 22 | Cyrus Durand - | New York. |
| Do in preparing vegetable substances for mak- ing paper - - - - | 22 | William Magaw - | Meadville, Crawford co. Penn. |
| Do in the machine for cutting wooden screws | 22 | Stephen Treadwell - | Weston, Fairfield co. Ct. |
| Do in the thrashing machine - - | 23 | Norton Case - - | North Granville, Licking co. Ohio. |
| Do in the mode of pressing oil out of flaxseed, &c. - - - - | 24 | Charles Howe, Fred'k Brewster, and John Johnson - - | Burlington co. Vermont. |
| Do in the machine for making horse shoes - | 24 | Robert E. Hobart - | Pottstown, Montgomery co. Penn. |
| Do in the percussion gun lock - - | 24 | Joseph Lawrence - | New Berlin, Chenango co. N. York. |
| Do in the washing machine - - | 24 | Joseph Hancock - | Maysville, Masou co. Ky. |
| Do in the marine railway - - - | 26 | John H. Green - | Providence, R. Island. |
| Do in the bain-marie for refining sugar, &c. | 29 | Wm. Aug. Archibald | New York. |

Do in the double boiler for refining sugar, &c. - - - -
Do in the filtering apparatus for refining sugar - - - -
Do in the mill for breaking and grinding tanner's bark - - - -
Do in the gun lock - - - -
Do in the cylindrical printing press - - - -
Do in manufacturing hat bodies by machinery at one operation - - - -
Do in machinery for propelling ships and other vessels - - - -
Do in water wheels for mills - - - -
Do in the machine for striking brick - - - -
Do in the machinery for making barrels, kegs, &c. - - - -

Do in the churn and washing machine - - - -
Do called the drum sacking bedstead - - - -
Do in the Franklin or open stove - - - -

Do in making spirituous liquors from still slop
Do in the armed saw frame - - - -
Do in the grist mill - - - -
Do called Talbot's atmospheric propelling engine - - - -
Do in the machinery for making casks, barrels, &c. - - - -
Do in the mode of fixing the mariner's compass
Do called the dormant balance, for the spine

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Do
Do
 John Montgomery -
 Nathaniel Saltonstall -
 Charles G. Williams -

 George L. Thatcher -

 Anthony Hermange -
 Abel Greenleaf -
 Eb'r and Dan'l W. Duty

 Nat'l Goodall and Loren Tainter - -

 Daniel Read - -

 Hervey Wilbur -
 William Cowan -

 David White - -

 Samuel Sperry -
 Joseph Crail - -

 Edward Allen Talbot -

 John Hale - -
 Lemuel Langley -
 James K. Casey

Do
Do
 Sangerfield, Oneida co. N. Y.
 New London, Connecticut.
 New York.

 Brooklyn, N. York.

 Baltimore.
 Mexico, Oswego co. N. Y.
 Painesville, Geauga co. O.

 Watertown, Jefferson co. N. York.
 Slaterville, Tompkins co. N. York.
 Newburyport, Mass.
 Watertown, Jefferson co. N. York.
 Fredonia, Chatauque co. N. York.
 Nashville, Tennessee.
 Warren, Trumbull co. O.

 Dublin, Ireland.

 Oakum, Worcester co. Mass.
 Gosport, Norfolk, Virginia.
 New York.

LIST OF PATENTS—Continued.

| INVENTIONS, DISCOVERIES, &c. | DATE. | NAMES OF PATENTEES. | RESIDENCE. |
|--|---------|--|---|
| Improvement in setting stills, boilers, kettles, &c. - | June 24 | John Miller and Benton Clemmons - - | Clemmons ville, Davison co. N. Carolina. |
| Do in the currier's knife - - - | 26 | Isaac H. Harrington - | Albany, New York. |
| Do in the mule for spinning cotton - - - | 26 | Thomas Walker - | Chester county, Penn. |
| Do in raising vessels for repairing - - - | 26 | John H. Greene - | Providence, R. Island. |
| Do in the domestic spinner - - - | 27 | Edward Penny - | Adams, Jefferson co. N. Y. |
| Do in drops for the cure of coughs, colds, &c. | 30 | Daniel E. Smith - | Cornwall, Litchfield co. Ct. |
| Do in making leather water-proof - - - | 30 | Abraham Straub - | Milton, Pennsylvania. |
| Do in medicine - - - | July 2 | John Dent - - | Augusta, Georgia. |
| Do in the construction of ways for drawing up vessels - - - | 7 | Amasa Miller - | New London, Connecticut. |
| Do in the wind wheel - - - | 8 | Abner Murray - | Athens, Bradford co. Penn. |
| Do in attaching tubes to boilers for generating steam - - - | 8 | Gideon Freeborn - | New York. |
| Do in the machine for dressing and jointing staves - - - | 12 | Levi Benton - - | Hanover, Chatauque co. N. Y. |
| Do in the self-adjusting spring for window blinds - - - | 14 | Holly Seely - - | Unadilla, Otsego co. N. Y. |
| Do called the rotary washer - - - | 15 | Calvin Post - - | Springport, Cayuga co. N. York. |
| Do in the machino called the longimeter - | 16 | Abel Bayrd - - | South Reading, Middlesex co. Mass. |
| Do in the machine for making paper in the sheet | 17 | Marsden Haddock - | New York. |
| Do in the application of power to the pump - | 17 | Noah Underwood - | Baltimore co. Maryland. |

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|----|--|--------|---|---------------------------------------|
| Do | in the machine for thrashing and cleaning grain | 19 | Asa Nourse | Beaufort, S. Carolina. |
| Do | in the means of transport and conveyance called the universal drub | 21 | John J. Reckers | Baltimore. |
| Do | in the machine for making siding lathe | 22 | Samson Felton | Killbuck township, Holmes co. Ohio. |
| Do | in the self-acting press for pressing cheese, &c. | 23 | Levi Rice | Lockport, New York. |
| Do | in cloth for boots of stages, &c. | 24 | D. Hitchcock & C. Stone | New York. |
| Do | in the gin feeder | 28 | Peter Laporte | Augusta co. Virginia. |
| Do | in the machine for shelling corn | 29 | Joseph Eubank, jr. | Glasgow, Barren co. Ky. |
| Do | in distilling | 29 | Philip Grosjean | Louisville, Kentucky. |
| Do | in cast iron hammers | 50 | Thomas Lawes and P. Grosjean | Louisville, Kentucky. |
| Do | on P. Slayton's machine for sawing hoops, &c. | 31 | Thomas Jones | Glasontonbury, Conn. |
| Do | in the hydrant fountain | 31 | Nicholas Bratt | Lockport, New York. |
| Do | called the signal lamp | Aug. 1 | Lewis Gouley | Philadelphia. |
| Do | in the washing machine | 1 | Joseph Feinour and Joseph Feinour, jun. | Philadelphia. |
| Do | in raising and lowering canal boats on inclined planes | 2 | Simon Willard, jun. | Cincinnati, Ohio. |
| Do | in the thrashing machine | 5 | William Knight | Morristown, New Jersey. |
| Do | in the construction of breakfast and dining tables | 5 | Matthew Barney | Nantucket, Massachusetts. |
| Do | in the curvilinear saw-mill | 6 | Peter Barker | Worthington, Franklin c. O. |
| Do | in the machine for reaping and thrashing grain | 7 | Daniel Baker | Ipswich, Massachusetts. |
| Do | in the construction and application of the quadruple forcing pump | 8 | Samuel Lane | Hallowell, Maine. |
| | | 12 | Ira Ferris | Ellicott, Chatauque county, New York. |

LIST OF PATENTS—Continued.

| INVENTIONS, DISCOVERIES, &c. | DATE. | NAMES OF PATENTERS. | RESIDENCE. |
|---|---------|--|---|
| Improvement in the mode of propelling vessels - | Aug. 13 | Hull Case - - | Norwalk, Huron co. Ohio. |
| Do in the method of ruling paper - | 13 | Cayetano Lanuza - | New York. |
| Do in fitting hammer heads for pianos - | 14 | John Mackay - - | Boston, Mass. |
| Do in the washing and pressing machine - | 14 | Henry Averill - | Richland, Oswego county, New York. |
| Do in the roller printing press - - | 16 | Joshua Laird - - | Pittsburg, Pennsylvania. |
| Do in the apparatus for propelling vessels - | 16 | Benjamin Phillips - | Southwark, Philadelphia. |
| Do in the check and plaid power loom - | 19 | H. Burt, O. D. Boyd, and A. H. Boyd | Manchester, Hartford co. Connecticut. |
| Do in the horizontal windmill - - | 19 | Walter Ingalls - | Sambornton Bridge, Straf- ford co. New Hamp. |
| Do in the machine for sawing hoops, lathe, &c. | 19 | Isaac Price, jun. - | Lockport, New York. |
| Do in the mode of raising water from wells, &c. | 20 | Samuel Smith - - | Mendou, Monroe co. N. Y. |
| Do in the process of casting printers' types | 21 | William M. Johnson - | New York. |
| Do in the boiler or steam generator - - | 21 | Lemuel M. Richards - | Chagrin river, Cuyahoga county, Ohio. |
| Do in the manufacture of mats from Manilla, &c. - - - - | 22 | Samuel S. Williams - | Roxbury, Massachusetts. |
| Do in the churn - - - - | 22 | Joseph Hathaway - | Canandaigua, New York. |
| Do in the machine for planting grain, &c. - | 22 | Orson Starr - - | Richmond, Ontario co. N. Y. |
| Do in the machine for making shingles - | 25 | Danforth Wilder - - | Rome, New York. |
| Do in the machine for boring earth - - | 25 | John R. Failing - - | Canajoharie, New York. |
| Do called a slitting gauge for laths, hoops, &c. | 25 | Benjamin K. Crandell | Lockport, New York. |
| Do in boot trees - - - - | 25 | Henry B. Miller - - | Mayville, New York. |
| Do in the mode of managing honey bees - | 26 | Francis Kelsey - - | Lockport, New York. |
| Do in the construction of fitters - - | 27 | John S. Phillips - - | Philadelphia. |

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|----|---|---|---------|---------------------------------------|---|----------------------------------|
| Do | in constructing and drawing lotteries | - | 28 | J. J. Cohen | - | Baltimore. |
| Do | in the machine for planting seeds | - | 28 | A. H. Robbins and Levi | - | |
| Do | in the water-proof self-priming percussion gun lock | - | 29 | Robbins, jun. | - | Denmark, New York. |
| Do | in the self-regulating brake for wagons, &c. | - | 29 | Samuel L. Faries | - | Middletown, Butler co. O. |
| Do | in the circular or cylindrical saw | - | 29 | Robert Turner | - | Ward, Worcester co. Mass. |
| Do | in manufacturing paper on machines | - | 29 | Lewis R. Bump | - | Wareham, Massachusetts. |
| Do | in the construction and manangement of bobbins and flyers for spinning cotton | - | 30 | Richard Waterman and George W. Annis | - | Providence, Rhode Island. |
| Do | in the washing machine | - | Sept. 2 | Charles Danforth | - | Ramapo, Rockland co. N.Y. |
| Do | called fire and water cement | - | 2 | Jonathan R. Davis | - | Hartland, Niagara co. N.Y. |
| Do | called the socket vice | - | 3 | James Coburn | - | Middlesex co. Mass. |
| Do | in the washing machine | - | 4 | Luther Hemenway | - | Sullivan, Cheshire co. N.H. |
| Do | in the mill for grinding corn, &c. | - | 5 | Joseph and R. Hathaway | - | Canandaigua, New York. |
| Do | in the grist mill | - | 5 | Reuben Medley | - | Bloomfield, Nelson co. Ky. |
| Do | in dividing engines, circular and straight lined | - | 9 | Jas. Smith and Wm. Sapp | - | Mount Vernon, Knox county, Ohio. |
| Do | in the machine for mortising and tenoning timber | - | 10 | Rufus Tyler | - | Philadelphia. |
| | | | 10 | William Jackson and J. J. Speed, jun. | - | Speedville, Tompkins c. N.Y. |
| Do | in the washing and churning machine | - | 10 | John Grout | - | Caroline, Tompkins c. N.Y. |
| Do | in the machine for carding wool | - | 10 | Don M. Bacon | - | Huntington, Luzerne c. Pa. |
| Do | in the machine for picking cotton | - | 10 | James Pinnell and Haber Maxon | - | Barbourville, Cabell co. Va. |
| Do | in the thrashing machine | - | 10 | John W. Post and John Ryan | - | Philadelphia. |
| Do | in the application of pine resin as fuel | - | 10 | Richard L. Wood | - | Philadelphia. |
| Do | in the art of melting and fusing glass | - | 10 | Thomas W. Dyott | - | Philadelphia. |
| Do | in the fastenings for bedsteads | - | 11 | William Swift and William Ottiwell | - | New Bedford, Mass. |

LIST OF PATENTS—Continued.

| INVENTIONS, DISCOVERIES, &c. | DATE. | NAMES OF PATNTEES. | RESIDENCE. |
|---|----------|-----------------------|-----------------------------|
| Improvement in the pump for drawing beer, cider, &c. | Sept. 11 | Levi Pitkins - - | Rochester, Monroe co. N. Y. |
| Do in the construction of doors for guarding against cold - - - - | 11 | Daniel Williams, jun. | Colchester, Connecticut. |
| Do in the machine for cutting rags for paper called a triangular measure case ruler - | 11 | Moses Y. Beach - | Springfield, Mass. |
| Do in making and working the circular saw for clapboards - - - | 11 | Allen Ward - - | Philadelphia. |
| Do in window blinds - - - | 11 | Jonathan Kidder - | Gorham, Maine. |
| Do in preparing back lint for manufacturing | Oct. 11 | John Parkerson - | Boston, Mass. |
| Do in operating the rotary steam engine - | 11 | Abraham K. Smedes - | Lexington, Kentucky. |
| Do in the machine for spinning and roping cotton and wool - - - | 11 | Stillman Blake - | Providence, R. I. |
| Do in the revolving rail and round tenon bedstead - - - - | 11 | John W. Wheeler - | Galway, Saratoga co. N. Y. |
| Do in the machine for carding, winding, and making hats - - - | 11 | Garrit Post - - | Auburn, Cayuga co. N. Y. |
| Do in machinery for cutting files - - - | 11 | Isaac Sanford - - | Blockley, Phila. co. Pa. |
| Do in the mode of covering buildings - | 11 | John Hatch - - | Roxbury, Norfolk co. Mass. |
| Do in stereotype blocks - - - | 11 | Hazard Knowles - | Colchester, Connecticut. |
| Do in the cast hub for coaches, wagons, &c. - | 11 | Samuel G. Goodrich - | Boston. |
| Do in pipe boilers for steam engines - - | 11 | William Dickinson - | Batavia, Genesee co. N. Y. |
| Do in the furnace used in the manufacture of iron - - - - | 11 | Alden Potter - - | New York. |
| Do in railway carriages - - - | 11 | Benj. B. Howell - | Philadelphia. |
| Do called the microscopic pen machine - | 11 | Ross Winans - - | Vernon, Sussex co. N. J. |
| | | John Bennett - - | Lowell, Massachusetts. |

| | | | | | | |
|----|--|---|--------|-------------------------------------|---|------------------------------------|
| Do | in the manufacture of hoes | - | 13 | James A. Black | - | Columbia, South Carolina. |
| Do | in the machine for casting printing type | - | 13 | George F. Peterson | - | New York. |
| Do | in the furnace for generating steam by anthracite coal | - | 14 | Benjamin B. Howell | - | Philadelphia. |
| Do | in the top press roller for making paper | - | 20 | Mason Hunting | - | Watertown, Middlesex co. Mass. |
| Do | on the plough patented to him Jan. 28. 1826 | - | 22 | Stephen M'Cormick | - | Fauquier co. Va. |
| Do | in the method of preparing hides for belts, &c. | - | 22 | John J. Travis | - | Franklin, Conn. |
| Do | in the fellows of wheels for trucks, carts, &c. | - | 24 | George Andrews | - | Tolland, Conn. |
| Do | in the percussion cannon lock | - | 24 | Joshua Shaw | - | Philadelphia. |
| Do | in the application of water to flutter wheels | - | 24 | James Steuart | - | Muloy's P. O., Robertson co. Tenn. |
| Do | in the hubs and axletrees for wheels or pulleys | - | 27 | Phineas Slayton | - | Lockport, N. Y. |
| Do | in the mode of forming hat bodies | - | 29 | Henry F. West and Andrew H. Stevens | - | Richland, Oswego co. N. Y. |
| Do | in the method of propelling boats across ferries | - | 30 | Stephen Ross | - | Troy, N. Y. |
| Do | in the wire harness for weaving, patented to Chandler and Brown, Jan. 26, 1821 | - | 30 | Ezra Brown | - | Cazenovia, Madison co. NY |
| Do | in the manufacture of paper | - | 31 | And. & Nich. A. Sprague | - | Fredonia, Chatauque co. do |
| Do | in the mode of applying steam in extracting tannin | - | Nov. 1 | William Coburn | - | Gardiner, Maine. |
| Do | in the hill side plough | - | 1 | Norman Staples | - | Penn's store, Patrick co. Va. |
| Do | in the thrashing machine | - | 1 | Samuel S. Allen | - | Skeneatalas, Onondaga co. N. Y. |
| Do | called an improved blooming furnace, &c. | - | 6 | Benjamin B. Howell | - | Philadelphia. |
| Do | in the collars for dress coats, &c. | - | 7 | Henry Clarke | - | Brooklyn, Connecticut. |
| Do | in the mode of drawing and corking sparkling liquors | - | 8 | Steen Anderson Bille | - | New York. |

LIST OF PATENTS—Continued.

| INVENTIONS, DISCOVERIES, &c. | DATE. | NAMES OF PATENTEES. | RESIDENCE. |
|--|--------|---|--|
| Improvement in the management of combustion in producing heat - - - | Nov. 8 | Steen Anderson Bille - | New York. |
| Do in the mode of washing, filling, and corking bottles - - - | 8 | do | do. |
| Do in the mode of cutting off pins, rivets, &c. | 11 | Abiel Stephens | Andover, Essex co. Mass. |
| Do in the machinery for making window sash, &c. | 12 | Jedediah Richards, Jr. | Elbridge, Onondaga co. NY |
| Do in the mode of whitening leghorn, straw, and gimp - - - | 12 | Henrietta Cooper - | Washington township, Franklin co. Pa. |
| Do called the spiral curvilinear compressor - | 13 | William Nelson - | Batavia, Genesee co. N. Y. |
| Do in making slates and slate pencils by ma'y | 17 | Thomas Symington - | Baltimore. |
| Do in the bar share plough - - - | 18 | John Deakync - | Petersburg, Va. |
| Do on the machine patented by James McDonald, for moulding and pressing brick at one operation, April 24, 1827 - - | 19 | Jas. M'Donald & Rob't M'Queen, Jr. - | New York. |
| Do called the knot shuttle - - - | 20 | John Thorp - | Providence, R. L. |
| Do in spinning and twisting - - - | 20 | do | do. |
| Do in spinning or filling slack twisted yarn - | 25 | do | do. |
| Do in the railway carriage - - - | 22 | William Howard - | Baltimore. |
| Do in steam boilers for steam engines - | 26 | Anthony Hermange - | Baltimore. |
| Do in the machinery for propelling ships - | 26 | do | do. |
| Do do do - - - | 26 | do | do. |
| Do in the boot tree - - - | 27 | Joshua Ayars - | Brookfield, Madison co. N. Y. |

| | | | | |
|----|--|--------|---|-----------------------------|
| Do | in the method of feeding horses - - - | 27 | Aaron Carman - - | Hyde Parke, Dutchess co. |
| Do | in the machine for pressing bricks and tile, &c. - - - - | 29 | James Parker, M. D. - | N. Y. Gardiner, Maine. |
| Do | in the paddle gate for the locks of canals - | 29 | John F. King - - | Waterford, Saratoga co. |
| Do | in the machine for proving cables, &c. | 29 | John Judge - - | N. Y. Washington, D. C. |
| Do | in the mode of pressing melted glass into moulds - - - - | Dcc. 1 | Deming Jarves - | Boston. |
| Do | in the ship windlass for weighing anchor | 1 | Samuel Nicolson - | Boston. |
| Do | in extracting the vegetable matter from flax and hemp - - - - | 3 | Sands Olcott - - | Harsimus, Bergen co. N. J. |
| Do | in manufacture of metallic salts - - - | 4 | Edward Clarke - | New York. |
| Do | called the inclined water wheel - - - | 6 | Orpheus Thompson - | Jerico, Chittenden co. Ver. |
| Do | in the manufacture of cloth - - - | 6 | Jas. P. and Rowland G. Hazard - - | Providence, R. I. |
| Do | in the machinery for making screws - - | 6 | Lemuel W. Wright - | London, England. |
| Do | in the snatch block - - - - | 6 | James Evans - - | Charlestown, Mass. |
| Do | in the machine for shelling corn - - - | 8 | Thomas J. Dean - | Virgil, Cortlandt co. N. Y. |
| Do | in increasing water power by atmospheric pressure - - - - | 8 | Samuel L. Holmes - | Westchester co. N. Y. |
| Do | called the self-feeding dyewood, &c. cutter | 9 | Aaron Foster - | Rochester, N. Y. |
| Do | in pressing unburnt brick and tile - - | 9 | Ephraim Mayo - | Hallowell, Maine. |
| Do | in pump boxes - - - - | 9 | Israel P. Williams and Samuel G. Rea - | Salem, Mass. |
| Do | in the apparatus for cutting sausage meat, &c. | 9 | Samuel Fahrney - | Washington co. Md. |
| Do | in the machine for sawing felloes for wheels | 9 | do - - | do. |
| Do | in the washing machine - - - - | 10 | Eber Blodget - - | Watervliet, N. Y. |
| Do | called the improved locomotive carriage - | 10 | William Howard - | Baltimore. |
| Do | in the mode of repairing fences - - - | 13 | Edward Pitkin - | East Hartford, Conn. |

LIST OF PATENTS—Continued.

| INVENTIONS, DISCOVERIES, &c. | DATE. | NAMES OF PATENTEES. | RESIDENCE. |
|--|---------|--------------------------------------|-------------------------------|
| Improvement in the machine for propelling boats on canals - - - - | Dec. 15 | Nathaniel Bingham and Pliny Warner - | Rochester, N. Y. |
| Do being nostrums for curing the gout. &c. - | 15 | Elisha Smith - - | New York. |
| Do in the construction of iron fences. (re-issued, bearing date Feb. 21, 1822) - | 18 | Paul Hedl - - | New York. |
| Do in the hinged water wheel - - | 19 | Matthew D. Brown - | Mason co. Va. |
| Do in the machine for rolling leather - | 23 | Henry Paigu - | Alexander, Genesee co. N. Y. |
| Do in the machine for cleansing smut, white caps, &c. - - - - | 24 | Townsend Carpenter - | Elmira co. N. Y. |
| Do in the washing machine - - | 26 | Samuel A. Brownson - | Montrose, Susquehanna co. Pa. |
| Do in the machine for planing boards, &c. - | 27 | William Woodworth - | Hudson, N. Y. |
| Do in distilling Indian corn - - | 27 | James R. Nance - | Floyd co. Indiana. |
| Do in the mode of polishing leather - - | 29 | Abel Bayrd - - | South Reading, Mass. |
| Do in the common scythe sneath - - | 29 | Silas Lamson - - | Sterling, Mass. |
| Do in preparing grooves for mule drums - | 30 | John Butterworth - | Northern Liberties, Phila. |
| Do in the compound zigzag screw - - | 31 | Joseph Woodhull - | Rochester, Monroe co. N. Y. |
| Do in the mode of locking wagons - - | 31 | John M. Davidson - | Brownsville, Fayette co. Pa. |
| Do in spinning, called the ring groove spinner | 31 | John Thorp - - | Providence, R. I. |

LETTER

FROM

THE SECRETARY OF STATE,

TRANSMITTING A LIST OF THE NAMES OF

PERSONS TO WHOM PATENTS HAVE BEEN GRANTED

FOR THE

Invention of any new and useful Art or Machine, Manufacture, or Composition of Matter, or Improvement thereon, from the 1st day of Jan. 1829, to the 1st day of Jan. 1830.

JANUARY 3, 1830.—Read, and laid upon the table.

DEPARTMENT OF STATE,
January 1st, 1830.

SIR: In pursuance of the resolution of the House of Representatives of the United States, dated the 13th of January, 1812, I have the honor of transmitting a list of the names of persons who have invented any new or useful art or machine, manufacture, or composition of matter, or any improvement thereon, and to whom patents have been issued for the same from this office, from the 1st day of January, 1829, to the 1st day of January, 1830, with the dates and general objects of such patents, and also the residence of the patentees, as far as they could be ascertained.

I have the honor to be,

With great consideration,

Your very obedient servant,

M. VAN BUREN.

The Hon. the SPEAKER
of the Ho. of Reps. U. States.

LIST OF PATENTS.

| No. | Inventions or Discoveries. | Names of Patentees. | Residence. | When Issued. |
|-----|--|---|-----------------------|--------------|
| | | | | 1829 |
| 1 | Impt. being a mode of preparing white lead without grinding | Jno. Burney - | N. Haven township, O. | Jan. 2 |
| 2 | in the tables used for drying cut tobacco - - | George Campbell - | Schenectady, N. Y. - | " 7 |
| 3 | in the washing machine called the complete washer | Reuben Mosher - | Galway, N. Y. - | " 8 |
| 4 | in the machine for thrashing grain - - | James S. Wood - | Botetourt co. Va. - | " 9 |
| 5 | in the machine called the Variator, for taking the dimensions or admeasurement of persons for cutting coats, &c. - - - - | Levi Peterson Lemont | Bath, Maine - | " 9 |
| 6 | in the mode of forming and shaping combs - | Samuel Lambert - | Hanover co. Va. - | " 9 |
| 7 | in the manufacture of salt - - - | Jean A. Teissier - | Boston, Mass. - | " 13 |
| 8 | in the machine for cutting bogs, and ditching in bog meadows, called the Prairie Bogging and Ditching Plough - - - - | Jno. Gordon - | Copake, N. Y. - | " 13 |
| 9 | in the mode of supplying water to water wheels - | Jno. Houghton - | Green co. Ga. - | " 13 |
| 10 | being a machine for cleaning rags, consisting of certain additions to and alterations of the common screen or duster used in paper mills - - | William Debit - | East Hartford, Ct. - | " 13 |
| 11 | in the press, formed by a new and powerful combination of cranks or wheels and levers - - | { Thomas Bakewell and John P. Bakewell - | Pittsburg, Pa. - | " 14 |
| 12 | being a mill or machine for grinding apples - | David D. Demarest - | New Milford, N.Y. - | " 14 |
| 13 | in the washing machine - - - | Amos Larcom - | Watervleit, N. Y. - | " 16 |
| 14 | in the wheel for spinning wool and cotton by hand | Nathaniel Harris - | Fairfield co. Ohio - | " 21 |
| 15 | in spinning, called a cap spinner, being an improvement on the ring groove spinner - - | John Thorp - | Providence, R. I. - | " 23 |

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|----|---|---|-----------------------|---|----|
| 16 | being a mode of hanging forge hammers, called the clam boit | Jonathan McNeel | Coleman township, Pa. | " | 21 |
| 17 | being a machine for grinding Indian corn into meal, and may be applied to the grinding of other grain | Thomas Baker | Statesburg, S. C. | " | 21 |
| 18 | on Levi Jacob's superior durable strap, for razors, surgical instruments, &c. | John W. Osborn | Terre Haute, Ind. | " | 21 |
| 19 | being a machine for pulling or husking cotton seed, and separating the hull from the kernel | Francis Follet | Petersburg, Va. | " | 21 |
| 20 | in the compound lever press | John Rodgers | Maury co. Tenn. | " | 21 |
| 21 | being an apparatus to be used in the cure of crooked or inflected spine, in the human body, called the Dormant Balance, patented to him on the 23d day of June, 1828. [This patent is dated 23d June, 1828—reissued Jan. 21, 1829.] | | | | |
| 22 | in making or manufacturing blanks for checks, drafts, or bills of exchange, or other like instruments | James R. Casey | New York | " | 21 |
| 23 | in the mode of straightening and soldering drums or cylinders for cotton and woollen factories, called the Drum Bench | James Atwater | New Haven, Ct. | " | 21 |
| 24 | in the churn, called the forcing valve-piston churn | Luke N. Perry | Worcester, Mass. | " | 23 |
| 25 | in the machine for planting corn | Benjamin Cushwa | Clear Spring, Md. | " | 24 |
| 26 | in the machine for cutting and chopping meat for sausages | Matth. Lennox, Wm. Croft, and Hy. Pitner | Steubenville, Ohio | " | 26 |
| 27 | being a machine for the manufacture of shoe pegs | Elias Wade | Elizabethtown, N.J. | " | 26 |
| 28 | in the manufacture of forks, with four or more tines, commonly called spring-tempered or patent forks, or pitchforks | Silas Beckwith, Silas Beckwith, jr., and Eleazer Beckwith | Westmoreland, N. Y. | " | 27 |
| 29 | in the screw dock | Calvin Perkins | Waterbury, Con. | " | 27 |
| | | John C. Ely | New York | " | 28 |

LIST OF PATENTS --Continued.

| No. | Inventions or Discoveries. | Names of Patentees. | Residence. | When Issued. |
|-----|--|---------------------|--------------------|--------------|
| 30 | Impt. in the machine for cutting wafers, leather for gloves, &c. | Elisha Mills Ely | Paris, France | 1829 |
| 31 | in the machine for breaking sugar | Woolsey G. Sterling | Bridgeport, Con. | Jan. 28 |
| 32 | in canal and other boats, for propelling, steering, and preventing the rolling of the waters, and the washing away of the banks of canals, &c. | | | " 28 |
| 33 | in making cooking furnaces and ovens, called the improved portable cooking furnace and oven | Samuel D. Bennett | Butternutts, N. Y. | " 30 |
| 34 | in the mode of spinning yarn from sheep's wool, called the "Canton woollen bobbin and fier" | Leonidas V. Badger | Dover, N. H. | " 30 |
| 35 | being a composition of matter to be used as a flexible elastic water proof and air proof cement, paint, or varnish | William B. Taber | Canton, Mass. | " 30 |
| 36 | in the mode of making or manufacturing cider, being a combination of machinery called the portable horse power cider mill and presses | John T. Howe | New York | " 31 |
| 37 | on mills for grinding grain, plaster, and shelling corn | Uri Emmons | New York | " 31 |
| 38 | being a machine for shaving or dressing the <i>inside</i> of staves for casks | Benja. M. Kemp | Fort Plain, N. Y. | " 31 |
| 39 | being a machine for shaving or dressing the <i>outside</i> of staves for casks, called the revolving stave dresser for dressing the <i>outside</i> of staves | Charles B. Goodrich | Rutland, Mass. | Feb. 3 |
| 40 | in the impelling power for mills and machinery | Charles B. Goodrich | Rutland, Mass. | " 4 |
| 41 | in agriculture | Benja. S. Ridgway | Charleston, S. C. | " 6 |
| | | Peter Pardee | Trenton, N. Y. | " 6 |

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|----|---|---|---|---|-----------------------------------|--------|-----------------------|------|----|
| 42 | Impt. being a mode of making white paper from rags, of cotton, linen, or silk, be their colors ever so various, and of extracting from all kinds of mineral colors, thereby rendering them white, and completely bleached; and of bleaching and whitening straw and corn husks, so that white paper can be made therefrom, and of bleaching and whitening cotton, linen, and hemp cloth | - | - | - | John W. Cooper | - | Wash'n Township, Pa | Feb. | 7 |
| 43 | being a machine for planing, matching, and grooving boards | - | - | - | Caleb Taylor | - | Angola, N. Y. | " | 7 |
| 44 | in the groove plane | - | - | - | Jac. Longanecker & Chas. Myers | } } | Lancaster county, Pa. | " | 7 |
| 45 | in the machine called the double axle tree safety carriage | - | - | - | Edward G. Fitch | - | Blakely, Alabama | " | 7 |
| 46 | in the making or manufacturing of the <i>premium rail way cooking stove</i> | - | - | - | Peregrine Williamson | - | Philadelphia, Pa. | " | 16 |
| 47 | in the art of alphabetical writing, called lektography | - | - | - | Jos. B. Manning | - | Gloucester, Mass. | " | 16 |
| 48 | in the method of fabricating tow lines for canal boats, by substituting in the place of hemp or flaxen cords, or chains, lines made from the raw hides of bullocks or other animals | - | - | - | Jas. Sanford | - | Weston, Conn. | " | 16 |
| 49 | in manufacturing brooms or brushes | - | - | - | David Wooster | - | China, N. Y. | " | 16 |
| 50 | in the mode of manufacturing wool or other fibrous material | - | - | - | John Goulding | - | Dedham, Mass. | " | 16 |
| 51 | in the mode of manufacturing wool or other fibrous material | - | - | - | John Goulding | - | Dedham, Mass. | " | 16 |
| 52 | in the machine called jacks, or jack screws, for stowing goods in ship's holds | - | - | - | Thos. Evans | - | New York | " | 16 |
| 53 | called the swing staging | - | - | - | Elijah Drury | - | Washington, Mass. | " | 16 |
| 54 | in the fanning mill | - | - | - | Justus Frary | - | Southampton, Mass. | " | 17 |

LIST OF PATENTS—Continued.

| No. | Inventions or Discoveries. | Names of Patentees. | Residence. | When issued. |
|-----|---|---------------------|------------------------|--------------|
| | | | | 1829. |
| 55 | Impt. in a machine or apparatus for all sorts of culinary baking, denominated Philip Wilcox's economical baker | Philip Wilcox | Springfield, Mass. | Feb. 18 |
| 56 | in the circular revolving saw | Tyler Howe | Spencer, Mass. | " 19 |
| 57 | in the machine for sharpening carving knives and other edge tools that require a rough edge, denominated the compound guard and knife sharpener | Walter Hunt | New York | " 19 |
| 58 | in the machine for pressing and raising weights | Thayer Cumings | Mayville, N. Y. | " 19 |
| 59 | being a machine for grinding paints, called the trumpet mouth paint mill | Samuel Cook | Mendon, Mass. | March 3 |
| 60 | in the lamp, and ingredients for burning therein | Isaiah Jennings | New York | " 3 |
| 61 | in the machine for packing cotton bales, tobacco hogsheads, &c. | Tyre Jennings | Statesbury, S. C. | " 3 |
| 62 | in the manufacture of nail hammers, and others, with crow and pene | Chas. A. Strong | South-Glastonbury, Ct. | " 3 |
| 63 | in the mode of grinding steel dies, used in the manufacture of steel buttons | Willard Robinson | Attleborough, Mass. | " 3 |
| 64 | in the mode of making brick, tile, and other clay ware | Jas. Wood | Rockland co. N. Y. | " 3 |
| 65 | being a machine for grinding sand and clay together | Alfred Cushman | Sumner, Maine | " 3 |
| 66 | in the machine for raising the bodies of wagons and other carriages from their wheels, and lowering them down to their places again | Thos. Scott | Loudon, Pa. | " 3 |
| 67 | called the cromamometro | Peter Pettinos | Philadelphia, Pa. | " 3 |

| | | | | | |
|----|---|-----------------------|----------------------|----------|----|
| 68 | in the machine for straight and spiral reeding or fluting - - - - - | John January - | Greenville, Kentucky | " | 3 |
| 69 | in the machine or press for cider and other purposes - - - - - | Daniel Reed - | Easton, Mass. - | " | 3 |
| 70 | in constructing a tan yard, and in tanning leather - | Leonard B. Johnston - | Tompkinsville, Ky. - | " | 3 |
| 71 | in the construction of canal boats - - - - - | Benajah Williams - | Mendon, N. Y. - | " | 3 |
| 72 | in making woollen carpet or carpeting - - - - - | Wm. Harrington - | Harrison, N. Y. - | " | 3 |
| 73 | in machinery to be used in navigation - - - - - | Adolph Heilbroun - | New York - - - - | " | 16 |
| 74 | in roller or wheel roads, and carriages for the same | John Gardiner - | Washington, D. C. - | " | 16 |
| 75 | in the apparatus and setting up of disilleries, and all kinds of boilers where anthracite common stone coal and other fuel is used - - - - - | John Lovatt - | Philadelphia, Pa. - | " | 17 |
| 76 | in the churn - - - - - | Zuri S. Doty - | Groton, N. Y. - | " | 17 |
| 77 | in the machine for ascertaining the rate of a ship or vessel's motion through the water, and also the velocity of the tides - - - - - | Jas. D. Woodside - | Washington, D. C. - | " | 17 |
| 78 | in the mode of raising water from wells, springs, or cisterns - - - - - | Saml. Smith - | Mendon, N. Y. - | " | 17 |
| 79 | in a machine for sharpening and improving knives, scythes, and other edged tools, denominated the carving knife renovator and instantaneous knife sharpener - - - - - | Isaiah Jennings - | New York - - - - | " | 17 |
| 80 | in constructing clocks - - - - - | Aaron D. Crane - | Caldwell, N. J. - | " | 18 |
| 81 | in the manufacture of screw augers - - - - - | David Bassett - | Derby, Conn. - | " | 18 |
| 82 | in rail way carriages - - - - - | Isaac Knight - | Baltimore, Md. - | " | 18 |
| 83 | in the manner of cutting ice, together with the machinery or apparatus therefor - - - - - | Nathl. J. Wyeth - | Cambridge, Mass. - | " | 18 |
| 84 | in cooking stoves, called the economical cook - | John J. Hess - | Philadelphia, Pa. - | " | 19 |
| 85 | on the common loom, by the addition of certain engines, and by the application of which he is enabled to weave figured cloth of every description - | Wm. Levally - | Canterbury, Conn. - | March 20 | |

LIST OF PATENTS—Continued.

| No. | Inventions or Discoveries. | Names of Patentees. | Residence. | When issued. |
|-----|--|---|---------------------|----------------|
| 86 | Impt. in the manner of forming the spire or roll of yarn on a weaver's or shuttle bobbin - - | John Thorp - | Providence, R. I. - | 1829. March 20 |
| 87 | in the machine for napping cloth - - - | Moses R. Norris and } Lyman Phillips } | Covington, N. Y. - | " 21 |
| 88 | in ornamenting and constructing picture, looking glass, and other frames, called "the Jackson Ground." - - - | John Parker & Lewis } P. Clover } | New York - - | " 23 |
| 89 | in the pan for boiling salt water for making salt - | Wm. Blocksom and } John T. Fracker } | Zanesville, Ohio - | " 23 |
| 90 | in the machine or apparatus to prevent wind, water, dust, and snow from driving under outer and inner doors, into entry ways and rooms, called a water and snow fender for doors - - | William Coie & John } Johnson } | Randolph, Mass. - | " 27 |
| 91 | being a pattern for moulding and casting composition spikes, butt bolts and other hinges - | Joshua & Chas. Sewell | Bath, Maine - | " 25 |
| 92 | being a water proof cement or hydraulic lime - | Robert Leckie - | Washington, D. C. - | " 31 |
| 93 | in the machine for steering ships and other vessels | Michael Pearson - | Newburyport, Mass. | April 1 |
| 94 | in the machine for making pails, tubs, buckets, and all kinds of cooper work - - - | Nathaniel Rider - | Sturbridge, Mass. - | " 1 |
| 95 | for cutting straw and thrashing wheat and other small grain - - - | Levi Rice - - | Lockport, N. Y. - | " 1 |
| 96 | in the washing machine - - - | John Taylor - | Dunstable, H. H. - | " 1 |
| 97 | in the rotary temples - - - | Ira Draper - - | Saugus, Mass. - | " 1 |

| | | | | | | | |
|-----|---|--------------------|-------------------------|---|---|---|---|
| 98 | in locks for securing doors, and for other similar purposes | Truman Bartholomew | New York | - | - | " | 3 |
| 99 | in the art of building chimneys, and altering those already built, in such a manner as to prevent or cure their smoking | Almon H. Read | Montrose, Pa. | - | - | " | 3 |
| 100 | in the manufacture of coffee mills | James Carrington | Wallingford, Conn. | - | - | " | 3 |
| 101 | in the mill stone | David Philips | Jefferson county, Miss | - | - | " | 3 |
| 102 | in the machine for sawing logs of wood into planks, boards, &c. | Peter Tomlinson | Derby, Conn. | - | - | " | 3 |
| 103 | in the marine rail way | Daniel Rogers | Mobile, Alabama | - | - | " | 3 |
| 104 | in razor straps | Gooding Holloway | Chester, Ohio | - | - | " | 3 |
| 105 | being the use of the salts or alkalies obtained from the spent ley of soap makers as a flux in the manufacture of glass | Geo. H. Burgin | Philadelphia, Pa. | - | - | " | 3 |
| 106 | being a machine for sawing down trees, sawing off logs and other objects, where the power of horses or other quadrupeds is the first mover, called the portable horse sawing machine | David Pierce | Poughkeepsie, N. Y. | - | - | " | 3 |
| 107 | in the construction of gun locks | Ephraim Gilbert | Rochester, N. Y. | - | - | " | 3 |
| 108 | on Roswell King's rice mill | Jno. Ravenel | Charleston, S. C. | - | - | " | 3 |
| 109 | in the can spinner, patented by him, by letters patent, bearing date the 25th day of Nov. A. D. 1828 | Jno. Thorp | Providence, R. I. | - | - | " | 3 |
| 110 | on a machine for which letters patent were issued to Jesse Reed, in the year 1807; also, of said Odiorne's invention or application, or new method of feeding nail machines by machinery, where the plate is turned | Thos. Odiorne | Malden, Mass. | - | - | " | 3 |
| 111 | in the cotton gin | David Philips | Jefferson county, Miss. | - | - | " | 3 |
| 112 | being a mode of making spectacles with spiral springs | Samuel Babcock | Middletown, Conn. | - | - | " | 3 |
| 113 | being triangular bellows for blasting foundries, furnaces, forges, &c., or any thing that requires a blast | Wm. Sidney Jacks | New York | - | - | " | 4 |

LIST OF PATENTS—Continued.

| No. | Inventions or Discoveries. | Names of Patentees. | Residence. | When issued. |
|-----|--|---|---------------------|------------------|
| 114 | Impt. in rail road carriages - - - - | Jno. L. Sullivan - | Philadelphia, Pa. - | 1829. April 6 |
| 115 | in the machine called the <i>double rack</i> and <i>twin wheels</i> and <i>quarter section wheels</i> , as applied to steam engines, and other power machinery, where a rotary motion is required from a reciprocating eccentric or irregular motion - - - - | Jos. Woodhull - | Rochester, N. Y. - | " 6 |
| 116 | being a composition to be used in the fusion, refining, or working of metals or ores - - - - | Henry B. Chew, and } E. V. Freeman } | Baltimore, Md. - | " 7 |
| 117 | in saw mills - - - - | George Brown - | Deerfield, N. Y. - | " 7 |
| 118 | in a machine for propelling carriages, boats, mills, &c., by means of weights - - - - | Milton F. Colburn - | Baltimore, Md. - | " 7 |
| 119 | in the curved tube rotary steam engine, and in another case he calls it "the curved tube water wheel," and for a method of applying the former to carriage wheels - - - - | Elijah Bryan - | New York - | " 8 |
| 120 | in the machine or carriage for the removal of heavy buildings - - - - | Ephraim Bowen - | Ledyard, N. Y. - | " 9 |
| 121 | in the application of friction wheels to the axles of rail road carriages or wagons, the friction wheels being inside of the carriage wheels themselves - | Henry B. Chew - | Baltimore, Md. - | " 9 |
| 122 | in the mode of making axes - - - - | Jno. Alley, sen. - | Pise, Indiana - | " 9 |
| 123 | in the machine called the mule, for spinning threads, or yarns, of cotton, wool, or other substances; which improvement they call "the improved self-operating mule" - - - - | Ira Gay & A. Gay - | Dunstable, N. H. - | " 10 |

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|-----|---|-------------------------------|-----------------------|---|----|
| 124 | in the mode of making or manufacturing ever-pointed pencil cases. "Saxton's improvement on Mor-dant's patented ever-pointed pencil case;" which invention he has assigned to Philip Garrett and Thomas C. Garrett | Jos. Saxton | Philadelphia, Pa. | " | 11 |
| 125 | in the mode of carding wool, by carding and sorting at the same time, by means of the double doffer applied to a single or double breaking wool carding machine | Jno. Boynton | South Coventry, Conn. | " | 11 |
| 126 | in the iron mill | J. W. Post & C. Post | Washington, D. C. | " | 11 |
| 127 | in the manufacture of salt, patented to him on the 13th of January, 1829; which patent being here-by cancelled, on account of an incorrect specifica-tion; (this patent is dated 13th January) | Jean A. Teissier | Boston, Mass. | " | 11 |
| 128 | in the machine for making wrought nails and rivets, of any size, and of any kind of metal required | Samuel G. Reynolds | Bristol, R. I. | " | 13 |
| 129 | in the manner of mortising and making tenons on the ends of the spokes of wheels, panel work, cabi-net work, joiners', carpentry, coaches, wagons, gigs, and to all other purposes where a square or quadrangular mortice and tenon have heretofore been used | Luther Davis | Northampton, Mass. | " | 14 |
| 130 | in the mode of making or manufacturing dressing combs, of wood | Nathaniel Bushnell | Middletown, Conn. | " | 14 |
| 131 | in the machine for cleaning and dressing hemp and flax | Amos Salisbury | Troy, N. Y. | " | 15 |
| 132 | being a new and useful machine for the forming and constructing of hat bodies | Benj. Lapham and Eleazer Cady | Canaan, N. Y. | " | 15 |
| 133 | in the printing press, called the Washington Printing Press | Samuel Rust | New York | " | 17 |
| 134 | in rail roads, and cars to run thereon | James Wright | Columbia, Pa. | " | 17 |

LIST OF PATENTS—Continued.

| No. | Inventions or Discoveries. | Names of Patentees. | Residence. | When issued. |
|-----|---|---|---------------------|-------------------|
| 135 | Impt. in the machine for breaking hemp and flax - | Amos Salisbury and } Jno. C. Langdon } Gilbert Brewster - | Troy, N. Y. - | 1829. April 18 |
| 136 | called the eclipse speeder, for making cotton roping | | Poughkeepsie, N. Y. | " 18 |
| 137 | in the mode of measuring the foot and leg, and cutting leather for boots - - - - | Thomas Howe - | Worcester, Mass. - | " 18 |
| 138 | in the common wool carding machine, for making an endless or perpetual roll, at operation, by machinery, called Atwood's star and transverse doffer - - - - | Charles Atwood - | Middletown, Conn. - | " 18 |
| 139 | called the cylinder paper machine, for manufacturing paper - - - - | Isaac Sanderson - | Milton, Mass. - | " 18 |
| 140 | in the mode of making or manufacturing seine twine, and other small cordage, by machinery, at one operation, called Pond's cotton twine machine - | Alson Pond - | Petersburg, Va. - | " 21 |
| 141 | in water wheels, for steam boats and mills - | Paul Boynton - | Ogdensburg, N. Y. - | " 21 |
| 142 | in the machine for breaking hemp and flax - | James Y. Watson } Jno. Blossom and } Andrew Burnett } | Salem, N. Y. - | " 21 |
| 143 | in the machine for making cider - - - - | Moses B. Bliss - | Pittston, Maine - | " 21 |
| 144 | in the machine for cutting or slitting tenons; also for slitting small veneers, &c. - - - - | Jno. McClintic - | Chambersburg, Pa. - | " 21 |
| 145 | in the mode of planing floor plank, and grooving and tongueing, and straightening the edges of the same; planing boards, straightening and planing square timber, &c., by machinery, at one operation, called the cylindrical planing machine - - | Uri Emmons - | New York - | " 25 |

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| 146 | in the machine for washing clothes | - | - | Stephen Hinds | - | Montrose, Pa. | - | " | 25 |
| 147 | in a hemp and flax machine | - | - | Thomas Cohoon | - | Troy, N. Y. | - | " | 25 |
| 148 | in the mode of making or manufacturing salt from sea water or salt springs | - | - | Henry J. Tudor | - | Boston, Mass. | - | " | 29 |
| 149 | in the machine for sifting grain, flour, rice, flaxseed, and other seeds, and separating all sorts of materials which are capable of separation by sifting | - | - | Jno. Nichols | - | Boston, Mass. | - | " | 29 |
| 150 | in the construction of hose, for applying and distributing to sails or sheets of cloth, for the protection of buildings from fire, called "the fire screen" | - | - | Caleb Pierce | - | Salem, Mass. | - | " | 29 |
| 151 | in the machine for grinding grain, paints, &c. | - | - | Henry Averill | - | Richland, N. Y. | - | " | 30 |
| 152 | on power looms, and which can also be applied to other looms | - | - | Amasa Stone | - | Providence, R. I. | - | " | 30 |
| 153 | being a machine called a "wheel and rest" | - | - | Israel Johnson, jun. | - | Moriah, N. Y. | - | May | 1 |
| 154 | in the mode of cutting veneers by machinery | - | - | Caleb B. Burnap | - | Belfast, Maine, | - | " | 1 |
| 155 | in the manufacture of spades and shovels, with newly constructed handles for the same | - | - | Harlow Risley | - | Glastonbury, Conn. | - | " | 1 |
| 156 | in the machine for cutting cheese curd | - | - | Anson Morris | - | Sacketts Harbor, N. Y. | - | " | 2 |
| 157 | in the machine for grinding grain by wind power | - | - | David McColler | - | Hudson, Ohio | - | " | 2 |
| 158 | being a machine called the cylindrical rail way carriage | - | - | Peter Fleming | - | Albany, N. Y. | - | " | 4 |
| 159 | in the mode of making or manufacturing paper by machinery, by means of an additional machine, called the agitator | - | - | Reuben Fairchild | - | Trumbull, Conn. | - | " | 4 |
| 160 | in the machine for carding wool | - | - | Jas. W. Shanland | - | Summerfield, Ohio | - | " | 5 |
| 161 | in the application of felt for carpeting | - | - | Aaron Byington | - | Herkimer, N. Y. | - | " | 6 |
| 162 | called a revolving four-barrelled gun, and improved percussion lock | - | - | Henry Rogers | - | Middletown, Ohio | - | " | 7 |

LIST OF PATENTS—Continued.

| No. | Improvements or Inventions. | Names of Patentees. | Residence. | When issued. |
|-----|--|------------------------|----------------------|----------------|
| 163 | Impt. in guns and fire arms; which improvement consists in a priming head and cap applied to guns and fire arms, for the purpose of priming, and giving them fire by the means or use of percussion, fulminating, or detonating powder; patented to him on the 19th of June, 1822; which patent being hereby cancelled, on account of an incorrect specification - | Joshua Shaw - | Philadelphia, Pa. - | 1829. May 7 |
| 164 | in the art of sawing boards, and other kind of lumber; and in the construction of saw mills, crank wheels, and gearing - - - - | Israel Johnson, jun. - | Moriah, N. Y. - | " 7 |
| 165 | in the washing and churning machine - - - - | Freedus Reed - | Pike Township, Pa. - | June 11 |
| 166 | in the cooking stove - - - - | Allen & J. Barnett - | Louisville, Ky. - | " 11 |
| 167 | in the construction of cotton ginning machinery, called Conn's improved cotton gin - - - - | Stephen T. Conn - | New York - - - - | " 11 |
| 168 | in the hydraulic steam engine - - - - | Jno. Catlin - - - - | Cincinnati, Ohio - | " 11 |
| 169 | in the construction of lamps, and the economy of light | Isaiah Jennings - | New York - - - - | " 11 |
| 170 | on rail roads and rail road carriages - - - - | Isaac Knight - - - - | Baltimore, Md. - - | " 11 |
| 171 | in producing fire and light - - - - | Isaiah Jennings - | New York - - - - | " 11 |
| 172 | in the mode of winnowing and threshing grain - - | E. P. Davis & W. Carey | Riga, N. Y. - - - - | " 11 |
| 173 | in the making woollen carpet or carpeting - - | Wm. Harrington - | Harrison, N. Y. - - | " 11 |
| 174 | in making glass knobs with the shank or screw of glass - - - - | Deming Jarves - - - | Boston, Mass. - - - | " 13 |
| 175 | in the plough - - - - | James Boatwright - | Columbia, S. C. - - | " 11 |
| 176 | in rail roads in the mode in which a railway carriage may be made to turn out and in on a railway - | James Wright - - - | Columbia, Pa. - - - | " 11 |

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| 177 | in the rifle for sharpening scythes | - | - | Beriah Swift | - | Washington, N. Y. | - | 11 |
| 178 | in manufacturing wool or other fibrous material, &c. | - | - | Jno. Goulding | - | Dedham, Mass. | - | 11 |
| 179 | in the commode knob | - | - | Elijah Skinner | - | Sandwich, N. H. | - | 11 |
| 180 | in the threshing machine | - | - | Geo. Fuller | - | Gardiner, Maine | - | 11 |
| 181 | in the hollow auger | - | - | Abel Conant | - | Pepperville, Mass. | - | 11 |
| 182 | in the machine for making hat bodies | - | - | Alex. Clarke and Hiram Chase | - | Falmouth, Mass. | - | 11 |
| 183 | in the churn | - | - | Cotton Foss | - | Perry, O. | - | 11 |
| 184 | for propelling or moving boats or wagons, called propellers | - | - | Josiah White | - | Mauch Chunk, Pa. | - | 11 |
| 185 | in the cider press | - | - | Daniel Pride | - | Potsdam, N. Y. | - | 11 |
| 186 | in the rotatory steam engine | - | - | David B. Lee and S. Stewart | - | Philadelphia, Pa. | - | 11 |
| 187 | in the method of topical bloodletting, and drawing milk from the breasts of women, called Hæmagotactiphorus | - | - | David Houghtaling, M. D. & A. Meneely | - | Watervleit, N. Y. | - | 11 |
| 188 | in bedsteads, right and left hand screw | - | - | Jno. P. Copent | - | New York | - | 11 |
| 189 | in the machine called the complete washer | - | - | Ephraim Wheeler | - | Galway, N. Y. | - | 11 |
| 190 | in the use of flat boilers for generating steam | - | - | David Fanshaw and H. Hanks | - | New York | - | 11 |
| 191 | in the "New pegging machine with plates" for making boots and shoes | - | - | Nathan Leonard | - | Merrimack, N. H. | - | 11 |
| 192 | in the machine for making ropes and cords of all sizes from raw materials, called "The Improved Rope Maker" | - | - | Stephen Hills, 2d | - | Glastonbury, Conn. | - | 11 |
| 193 | in stoves | - | - | Wm. Naylor | - | New York | - | 11 |
| 194 | in the machine for breaking and cleaning hemp and flax | - | - | Reuben Medley | - | Bloomfield, Ky. | - | 11 |
| 195 | in the double plough | - | - | Ph. Altenderfer and Benj. Altenderfer | - | Coots Town, Pa. | - | 11 |

LIST OF PATENTS—Continued.

| No. | Inventions or Discoveries. | Names of Patentees | Residence. | When issued. |
|-----|--|---|----------------------|------------------|
| 196 | Impt. in boxes for post coaches and other carriages, called the cylinder, conical, self wedging, or self fastening box for carriage wheels | Thomas Massey | New London, Conn. | 1829. June 11 |
| 197 | in the cast iron plough | Jacob Minturn | Urbana, O. | 11 |
| 198 | in the self supplying twister | Walter Hunt | New York | 11 |
| 199 | in the machine for shelling and cleaning Indian corn | John S. Gardiner | Canandaigua, N. Y. | 11 |
| 200 | in water and paddle wheels | Benjamin Howard | Worcester, Mass. | 11 |
| 201 | in the plough | John Rhodes | Urbana, O. | 11 |
| 202 | in the application of the scape heat from the furnace, and the discharged steam from the engine of the ordinary high pressure steam engine, to the manufacturing of coarse and fine salt from salt water | Alexander Browne | Salina, N. Y. | 11 |
| 203 | in rifles, muskets, fowling pieces, &c. in forming a magazine to contain a number of charges | James Miller | Brighton, N. Y. | 11 |
| 204 | in the manufacturing of blanks for checks, or drafts, or bills of exchange, or post notes, or promissory notes, or other such like instruments | Jas Atwater and Nat. Jocelyn & S.S. Jocelyn | Newhaven, Conn. | 11 |
| 205 | in bellows tubs | A. H. McPharin | Huntingdon, Pa. | 11 |
| 206 | in the machine for cleaning chimneys | Samuel Dow | Elizabeth Bor. N. J. | 11 |
| 207 | in bedsteads | Ebenezer Rogers and Michael Pearson | Essex county, Mass. | 11 |
| 208 | in the machine for crimping boots | Thomas Howe | Worcester, Mass. | 11 |
| 209 | in applying heat by means of iron castings, and grates for cooking, &c. | Peter E. Sanborn | Troy, N. Y. | 11 |

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|-----|---|-------------------|---------------------|----|
| 210 | in the manufacturing of combs | John Brown | Providence, R. I. | 11 |
| 211 | in the manufacturing of raw or green hides into a hard and transparent material for making combs, snuff boxes, &c. | Samuel Pike | Providence, R. I. | 11 |
| 212 | in making cast iron, wrought iron, or wood boxes and gudgeons for saw mills, horizontal or vertical wheels, cast iron, wrought iron, or wood boxes for wagons, carts, or any description of wheel carriage, whether driven by water, steam, horse, or other power | Sullivan Reynolds | Guilford, N. Y. | 13 |
| 213 | in the apparatus for the purpose of preventing bed bugs from ascending the posts of bedsteads, denominated the Night Angels | James A. Clarke | Georgetown, D. C. | 13 |
| 214 | called Thorp's running cap spinner | John Thorp | Providence, R. I. | 13 |
| 215 | in the manufacture of chandeliers, lamps, &c. in imitation of glass, produced from the crystallization of salts | Fred. B. Merrill | Buffalo, N. Y. | 13 |
| 216 | in the fork for digging the soil of gardens and other soils, called by him a prong spade | Wm. B. Horton | Middletown, Conn. | 15 |
| 217 | for ascertaining the weights of goods, or other loading of boats or other water craft | Thomas Cohoon | Troy, N. Y. | 18 |
| 218 | in the notes in music | Wm. C. Phillips | Lunenburg C. H. Va. | 18 |
| 219 | in the mode of making hat bodies by machinery | Levi Van Hoesen | Norwalk, Conn. | 19 |
| 220 | in the canal passage boat | Jacob Bromwell | Cincinnati, O. | 23 |
| 221 | in the mode of cutting out boots and shoes | Samuel Marshall | Philadelphia, Pa. | 23 |
| 22 | in the cooking stove for burning Lehigh and other hard coals | C. Schermerhorn | New York | 23 |
| 223 | in the machine for churning cream and milk | Abner Murray | Athens, N. Y. | 27 |
| 224 | in the mode of making cloths by machinery | Henry Raymond | New York | 27 |
| 225 | in the making and ornamenting of combs | Ebenezer Mustin | Philadelphia, Pa. | 27 |
| 226 | in making felt of wool without spinning or weaving | Levi Van Hoesen | Norwalk, Conn. | 27 |

LIST OF PATENTS—Continued.

| No. | Inventions and Discoveries. | Names of Patentees. | Residence. | When sued. |
|-----|--|---|-----------------------|------------------|
| 227 | Impt. called Pennell's power windlass - - - | Wm. Pennell - | Brunswick, Maine - | 1829. June 29 |
| 228 | on his printing press, patented on the 8th day of | John J. Wells - | Hartford, Conn. - | 29 |
| 229 | February, 1819 - - - | Francis Coffin and Charles C. K. Beach | Boston, Mass. - | 29 |
| 230 | in steam boilers - - - | Nehemiah Peck and D. Taylor | Fairfield co. Conn. - | 29 |
| 231 | in the mode of manufacturing cloth without spinning | Truem. Bartholomew | New York - | 30 |
| 232 | or weaving, and without crossing the wool - | Reuben Medley - | Bloomfield, Ky. - | July 7 |
| 233 | in a machine for securing window shutters - | Geo. Busby White - | New York - | 7 |
| 234 | in the machine for mortising, sawing, and boring - | D. S. C. H. Smith - | Sutton, Mass. - | 7 |
| 235 | in the mode of purifying water by means of a ma- | Zenos Bronson - | Jasper co. Georgia - | 7 |
| 236 | chine denominated the patent filterer - | Zenos Bronson - | Jasper co. Georgia - | 7 |
| 237 | in the mode of making and applying splints to frac- | Gideon Freeborn - | New York - | 7 |
| 238 | tured limbs - - - | Manuel Francis - | Boston, Mass. - | 7 |
| 239 | in the horizontal rack and pinion cotton press - | Horace L. Barnum and M. Stevenson | Cambridge, N. Y. - | 8 |
| 240 | in the machinery for cleaning or hulling rice, coffee, | Richard Lee - | Erwinsville, N. C. - | 8 |
| 241 | clover seed, and other grains and berries - | Wm. Chubb - | New York - | 9 |
| 241 | in the hoe - - - | | | |
| 241 | in the art of working pumps for ships - | | | |
| 241 | in the machine for dressing hemp and flax - | | | |
| 240 | in the machine for washing, cleaning, and separating | | | |
| 241 | gold dust, &c. - - - | | | |
| 241 | in the mode of dressing hair, called the hatchelling | | | |
| 241 | machine, &c. - - - | | | |

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|-----|---|--|-----------------------|----|
| 242 | in pumps - - - - - | Russel Wileman - | East Hartford, Conn. | 9 |
| 243 | in the method of heating rooms and houses by means of a furnace called the cylindrical air heater - | Charles Fowler - | Hartford, Conn. - | 10 |
| 244 | in the plough, which consists wholly of iron - | John Boynton - | South Coventry, Conn. | 10 |
| 245 | in the current and tide wheel - - - - | Asa Madison - | Detroit, Michigan - | 10 |
| 246 | in the making of a parallel moving perpendicular tooth extractor - - - - - | Elijah Bryan - | New York - | 13 |
| 247 | in the machine for washing and churning - | Joel B. Pratt - | Milo, N. Y. - | 14 |
| 248 | called Charles Angel's strap and punching machine | Charles Angel - | Philadelphia, Pa. - | 15 |
| 249 | in the machine for fulling and felting cloth - | John D. Lounsbury, John Arnold, John A. McLean, and George G. Bishop, | Norwalk, Conn. - | 15 |
| 250 | in the machine for forming the web for cloth, of wool, hair, or other suitable substance, without spinning or weaving - - - - - | John Arnold - | Norwalk, Conn. - | 15 |
| 251 | in the construction and application of wheels to car- riages of pleasure, or of burden, or to machines for moving heavy burdens - - - - - | George D. Bridgeman | New Haven, Conn. - | 16 |
| 252 | in the application of steam to produce a rotary motion | Jos. Mount - | Nashville, Tenn. - | 16 |
| 253 | in the cooking stove - - - - - | Ezekiel E. Bennett - | Sandy Hill, N. Y. - | 17 |
| 254 | in spring seats for wagons - - - - - | Schuyler Reynolds - | Northumberland, N. Y. | 17 |
| 255 | in the mode of affixing glass chimneys to various kinds of Argand lamps, to the cork tops used with glass lamps - - - - - | Deming Jarves - | Boston, Mass. - | 20 |
| 256 | in the mode of manufacturing wool - - - - | John Goulding - | Dedham, Mass. - | 21 |
| 257 | in the mode of refining all kinds of oil - - | Charles E. Ruggles - | New York, - - | 20 |
| 258 | in the art of punching copper, or other metallic plates or sheets, for ship's use, called the Power Press - | George Darracott - | Boston, Mass. - | 21 |
| 259 | being a machine for printing, styled by himself the Typographer - - - - - | William A. Burt - | Detroit, Michigan - | 23 |

LIST OF PATENTEES—Continued.

| No. | Inventions and Discoveries. | Names of Patentees. | Residence. | When issued. |
|-----|---|--|-------------------------|--------------|
| 269 | Imp't. in the compound for cleaning, biting, or sharpening damaged, worn out, or old files - - - | Asahel P Brittingham and E Brittingham - | New York - - | 1829. |
| 270 | in the machine for making wrought nails and screws | Stephen I. Gould - | Litchfield, Conn. - | 27 |
| 260 | in the threshing machine - - - | Calvin Emmons - | New York - - | 25 |
| 261 | in the mode of raising water for propelling machinery, and other purposes, by a combination of steam and atmospheric pressure, called the "Improved Atmospheric Steam Engine," - - - | James Mead and Mil-den Kitchell, - | Lebanon, Ohio - | 27 |
| 262 | in the construction of the ever pointed pencil, to wit: instead of the screw now in use - - - | William Jackson, - | Philadelphia, Pa. - | 27 |
| 263 | in the machine for raising water - - - | Almon E. Lazel and Daniel Bloodgood - | Poughkeepsie, N. Y. - | 27 |
| 264 | in a composition for curing the tooth ache, preventing the teeth from decay, removing the tartar, and curing the rheumatic pains - - - | Thomas White - | St. Clairsville, Ohio - | 29 |
| 265 | in the art or method of making or manufacturing the rims, or felloes, of all kinds of wheels, for wheel carriages, which are made of wood or timber of small size, by steaming and bending the same - | Merritt Blakeslee - | Canaan, Conn. - | 29 |
| 266 | in the mode of making roofs for buildings, &c. - | Nathaniel Adams - | Marlborough N. Y. - | 29 |
| 267 | in the mode of breaking and dressing hemp and flax | Amos Salisbury and John C. Langdon - | Troy, N. Y. - | 29 |
| 268 | in the specific for the cure of the tooth ache - | Samuel Pennington - | Mount Pleasant, Ohio - | 30 |

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|-----|---|---------------------------------------|----------------------|----------|
| 271 | in the construction of dry docks - - - | Elias Selden - - | Haddam, Conn. - | 30 |
| 272 | in the mode for the drawing of lotteries - - | D. Malcomb - - | Orleans, Louisiana - | 30 |
| 273 | in the machinery of mills for the manufacture of grain into flour and meal - - - - | William Parkinson - | Wheeling, Va. - | 31 |
| 274 | in the preparation of hemp and flax for spinning and weaving - - - - | La Fayette Tibbitts - | New Glasgow, Va. - | August 1 |
| 275 | in the machine for washing clothes - - | William E. Arnold - | Haddam, Conn. - | 3 |
| 276 | in the steam engine for avoiding the dead point of a crank - - - - | Valentine Carter - | Georgetown, D. C. - | 3 |
| 277 | in the thrashing machine - - - - | Enoch Harman - | Upper Wakefield, Pa. | 5 |
| 278 | in the machine for ditching and excavating ground for canals, or other purposes - - - | George Henricks - | Urbana, Ohio - | 5 |
| 279 | called the double furnace cooking stove - - | Josiah Richards - | Claremont, N. H. - | 5 |
| 280 | in the machine for breaking flax, hemp, and every kind of textile plants, unrotted or rotted - | J. L. F. Roumage - | New York - - | 6 |
| 281 | in the stiffening of hats - - - - | Jona. D. Wilson - | New York - - | 6 |
| 282 | in the use and application of steam - - - | Timothy Packard and J. E. Strong - | Granville, N. Y. - | 7 |
| 283 | in book binding - - - - | Jesse Torrey, Jr. - | Germantown, Pa. - | 8 |
| 284 | in the shears of a cloth shearing machine - - | Samuel A. Britt, - | Cazenovia, N. Y. - | 10 |
| 285 | in the gridiron - - - - | Jonathan Powers - | Lansingburgh, N. Y. | 10 |
| 286 | in the art of preserving apples and other fruit, beets, sweet potatoes, and other roots - - - | Amos Hart - - | Wharton Township Pa | 10 |
| 287 | in the cotton press - - - - | Philenzo Payne, - | Claiborne Cy. Miss. | 19 |
| 288 | in the machinery for raising the nap of woollen cloths | Zachariah Allen - | Providence, R. I. - | 10 |
| 289 | called the manuring wagon - - - - | James Bowman, - | Coosawatchies, S. C. | 12 |
| 290 | in the construction of an American spinner - - | Warren Allen - | New Haven, N. Y. - | 15 |
| 291 | which he designates as "Dunn's Knife Sharpener," | William J. Dunn, - | New York - - | 18 |
| 292 | in the business of ferrying and draying - - | L. C. Abernathy - | Burlington, Ken. - | 18 |
| 293 | in the art of cutting garments, called a mathemati- cal ruler, to be used in the art of cutting garments | Otis Madison - | Troy, N. Y. - | 18 |

LIST OF PATENTS—Continued.

| No. | Inventions and Discoveries. | Names of Patentees. | Residence. | When Issued. |
|-----|--|---|------------------------|------------------|
| 294 | Imp't in the mode of working or forging iron, by a machine called the portable trip hammer - - - | Samuel Kilburn - | Sterling, Md. - | 1829. Aug. 18 |
| 295 | in manufacturing blanks for checks, or drafts, or bills of exchange, or other such like instruments - | James Atwater - | New Haven, Conn. - | 18 |
| 296 | in the wheat fan - - - - | George Hoffman - | Fredericktown, Md. - | 21 |
| 297 | in the mode of manufacturing dye by steam - | Reuben Wood, - | Erin, N. Y. - | 25 |
| 298 | in the "air furnace oven stove," - - - | Oliver Davison, - | Johnstown, N. Y. - | 25 |
| 299 | in the machine for packing cotton - - - | Obadiah Stith - | Laurenceville, Va. - | 25 |
| 300 | in the machine for raising water by atmospheric pressure - - - - - | Samuel McCune, - | Wilmington, Ohio - | 25 |
| 301 | in canal boats - - - - - | Thomas W. Bakewell | Cincinnati, Ohio - | 25 |
| 302 | in the grist mill - - - - - | Job Wickarsham and | | |
| | in the machine for manufacturing felt for cloth, padding, carpets, &c. - - - - | Thomas Crozer - | East Fairfield, Ohio - | 29 |
| 303 | in the construction and operation of the printing-press, called Booth's Improved Double Printing-Press - - - - - | John Barker and L. Kinsley - - | Green county, N. Y. | 29 |
| 304 | | Jonas Booth, senior, James Booth, Thomas Booth, Jeremiah Booth, and Jonas Booth, jr. - | New York - - | Sept. 1 |
| 305 | in the construction of a furnace cooking-stove, called the Alterable Cooking and Franklin Stove - | George Richards - | Providence, R. I. - | 9 |
| 306 | in the brick-press - - - - - | John Woodson - | Rockbridge co., Va. - | 10 |
| 307 | in the construction and erection of vaults and privies | Thomas Rundle - | Boston, Mass. - | 10 |
| 308 | in covering houses with tin-plate, sheet-iron, or zinc | Richard S. Tilden - | Lynchburg, Va. - | 10 |

| | | | | |
|-----|--|-----------------------|---------------------|------|
| 309 | in the art of manufacturing sugar from cane juice | Ebenezer A. Lester | Boston, Mass. | " 10 |
| 310 | in a machine for washing, and an improvement for heating water for the same | Enos D. Cherry | Auburn, N. Y. | " 10 |
| 311 | in the art of threshing wheat, rye, oats, barley, and all kinds of small grain | James S. Wood | Pattensburg, Va. | " 10 |
| 312 | in a machine for washing alluvial earth, clay, and soft ores, and separating and saving the gold from the same | William H. Folger | Charlotte, N. C. | " 10 |
| 313 | in the washing machine | George A. Stocking | Aurelius, N. Y. | " 10 |
| 314 | in the railway carriage or car, which he denominates the Self-adapting Railway Carriage or Car | James Wright | Columbia, Penn. | " 10 |
| 315 | in lamps and producing light | Isaiah Jennings | New York | " 10 |
| 316 | in the auger, called the Serpentine Screw Auger | George Shelter | York, Penn. | " 10 |
| 317 | called the Improved Circular Planing Engine | Uri Emmons | New York | " 10 |
| 318 | in the art of constructing and building lime-kilns, for the purpose of burning lime | Louis Bomeisler | Philadelphia, Penn. | " 10 |
| 319 | in the manufacture of fine white writing paper, or composition of matter or material for making paper of straw | Louis Bomeisler | Philadelphia, Penn. | " 10 |
| 320 | called an Improved Veneering Saw | Amos F. Smith | Salem, Mass. | " 10 |
| 321 | in the mode of communicating motion to mill and other works, by applying a water-wheel to the current of a river, and in the machinery to effect the same, called the Current Mill | Joseph Wallace | Hartford, Ky. | " 11 |
| 322 | in the machinery of a locomotive carriage, in applying the principle of the ground chain or rope, and drum, to the use of inclined planes for roads and canals | Sands Olcott | Harsimus, N. J. | " 11 |
| 323 | in the plough | Thomas Brown | New York | " 11 |
| 324 | in the manner of drawing water from forebays, and discharging it on water-wheels | J. P. Espy & A. Young | Philadelphia, Penn. | " 11 |

LIST OF PATENTS - Continued.

| No. | Inventions and Discoveries. | Names of Patentees. | Residence. | When issued. |
|-----|--|---|-----------------------|--------------|
| 325 | Imp't, being cast-iron copings or finishings for chimneys, fire-guards, ridges, &c. of buildings - | Charles Neer - | Waterford, N. Y. - | 1829. |
| 326 | in the art of making iron hubs of carriage-wheels, called 'Thomas's Improved Carriage-wheel Hub - | Hercules Thomas - | Middleboro', Mass. - | Sep. 11 |
| 327 | in the fly-net for saddle, gig, or carriage horses - | Henry Horn - | Philadelphia, Penn. - | " 11 |
| 328 | in the machine for cutting panels for carriages and other work, and veneers round or off the circular surface of a log - - - - | Job White and Phineas Quimby - | Belfast, Maine - | " 12 |
| 329 | in the common water-pump - - - - | John W. Hillias - | Baltimore, Md. - | " 16 |
| 330 | in the machine for dropping and planting all kinds of seeds, and preparing seeds for planting - | Zebina Lane - | Harrisburg, N. Y. - | " 21 |
| 331 | in the manufacture of harness trimmings and carriage ornaments - - - - | William S. Robinson | Taunton, Mass. - | " 22 |
| 332 | in manufacturing boots and shoes, called the Manufacturing of Perpetual Polished Water-proof Boots and Shoes - - - - | John Rynex, John Haskins and Sam'l Knower - | Boston, Mass. - | " 23 |
| 333 | in the machine used in binding wagon-tire, hoops, bands, &c. - - - - | Josiah Butler - | Cobleskill, N. Y. - | " 24 |
| 334 | in making guns, called the Eight-barrelled Percussion Gun - - - - | Samuel L. Faries - | Middletown, Ohio - | Oct. 10 |
| 335 | in bilgeways - - - - | John Thomas - | New York - | " 10 |

| | | | | |
|-----|--|---------------------------------------|----------------------|------|
| 336 | in rubbing down and polishing combs | Lewis B. Prindle and David Curtis | Newtown, Conn. | " 10 |
| 337 | for sawing shingles, called McOmber's Shingle Mill | Richard McOmber | Galway, N. Y. | " 10 |
| 338 | in the washing of cloths and clothing, and scouring the same, called by him the Queen's Washer | Pinkham Mosher | Ballston Spa, N. Y. | " 10 |
| 339 | in the application of power to or on machinery, either by horse, water, or steam power | Robert Mitchell | Cynthiana, Ky. | " 10 |
| 340 | in river dams for the easy passage up and down of fish and of vessels | Patrick Magrath | Philadelphia, Pa. | " 10 |
| 341 | in making combs | Ely Sperry | New Haven, Conn. | " 10 |
| 342 | called Sillibridge's Composition Hinge Stock | Gardner R. Sillibridge | New York | " 10 |
| 343 | called Gilliam's Cotton Cleaner | James Gilliam | Reedy Fork, S. C. | " 10 |
| 344 | in the mode of raising vessels out of water, called the Screw Dock | Elisha Turner | Rochester, N. Y. | " 10 |
| 34 | in bell-hanging | James Russell | New York | " 10 |
| 346 | in the art and machinery for spinning cotton, silk, flax, and other materials | George Addison and Samuel H. Stephens | New York | " 10 |
| 347 | in making bit-stocks of composition | Augustus Phelps | Marlborough, Conn. | " 10 |
| 348 | in the shingle machine | Joel Barnes | Cornwall Bridge, Con | " 10 |
| 349 | in a machine for supplying the boilers or generators of a steam-engine by means of a revolving valve | Elam Young | Tate Township, Ohio | " 10 |
| 350 | in the washer and churn | George B. Gibbs | Le Raysville, Penn. | " 10 |
| 351 | in the tree of saddles, called the Patent Leather Tree Saddle | Matthias Halderman | Trapp, Pa. | " 12 |
| 352 | in the common saw-setter, by the application of a gauge | Ira Hatch | Westford, Vermont | " 12 |
| 353 | in the machine or inclined plane for raising or lowering boats from one level to another on canals | Ephraim Morris | Bloomfield To. Pa. | " 13 |
| 354 | in hanging and straining saws | Levi Chapin | Walpole, N. H. | " 13 |

LIST OF PATENTS—Continued.

| No. | Inventions and Discoveries. | Names of Patentees | Residence. | When issued. |
|-----|--|--|--------------------------|--------------|
| 355 | Impt. in the process of cleaning feathers, called the feather cleaning machine - - - - | Charles Toupet - | New York - | 1829. |
| 356 | in scalding and napping hats - - - - | Daniel Baldwin - | Ithaca, N. Y. - | Oct. 15 |
| 357 | in the mode of constructing a churn for the manufacturing of butter, called the box churn - - | Thos. Morrison, and Lansing Morrison | Groton, N. Y. - | 16 |
| 358 | in the harpoon - - - - | Jona. Sizer, 2d - | New London, Conn. - | 16 |
| 359 | in tightening doors and windows - - - - | Stephen Hayward - | Plainfield, Mass. - | 17 |
| 360 | in the knob lock - - - - | James Patterson - | Pittsburgh, Pa. - | 19 |
| 361 | in the churn - - - - | James C. Barrett - | Collins, N. Y. - | 19 |
| 362 | in the application of hydraulic power - - - - | Zebulon Parker and Austin Parker - | Cohocton co. O. - | 19 |
| 363 | in the manner of inking types, stereotype plates, wood cuts, casts, or any object, from which an impression can be taken, which he denominates the gravitating inking roller apparatus - - | William J. Stone - | Washington city, D. C. - | 20 |
| 364 | being a floating sawmill - - - - | John C. Ely - | New York - | 21 |
| 365 | in the washing machine - - - - | Henry Shively, Rob't S. McEwen, and John Lindsey - | Fredericksburg, O. - | 21 |
| 366 | in agriculture, viz a plough - - - - | Reuben Reeder and Stephen D. Ashley | Madisonville, O. - | 21 |
| 367 | in the plough - - - - | Timothy Miller - | Pittsburg, Pa. - | 23 |

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|-----|---|---------------------|-------------------|--------|
| 368 | in the machine for pressing cheese, tobacco, flour, apples for cider, hay, paper, &c. called the double Leon spring power press | Richard McOmber | Galway, N. Y. | 27 |
| 369 | in the reduction of friction in rail road carriages | Hugh Finlay | Baltimore, Md. | 27 |
| 370 | in the perambulator | Anthony Gifford | West Point, Mass. | 27 |
| 371 | in the construction of trusses for reducible hernia, for which three several patents have been granted to said Amos G. Hull, viz. one on the 17th day of July, 1817, one on the 27th day of February, 1823, and one on the 19th day of August, 1824; all of which patents being hereby cancelled on account of incorrect specifications, (this patent is dated the 17th day of July, 1817, and issued on the 28th of October, 1829) | Amos G. Hull | New York | 28 |
| 372 | in the cooking grate | Thomas Vinton | Philadelphia, Pa. | 31 |
| 373 | in the manufacturing of boots | Alden Burdick | Carroll, N. Y. | 31 |
| 374 | in the art of milling | Jesse Reeder | Lebanon, O. | 31 |
| 375 | in pumps | John B. Pell | New York | 31 |
| 376 | in the cradle, called the self moving cradle | Anth'y Buchenberger | New York | Nov. 3 |
| 377 | in the manufacturing of chandeliers from the crystallization of salts | Franklin Ransom | Buffalo, N. Y. | 3 |
| 378 | for winding up clocks, called Ward's self moving power | Richard Ward | Waterbury, Conn. | 5 |
| 379 | in the churn | Horace Saxton | Paris, N. Y. | 6 |
| 380 | in steam engines | Mellen Battle | Albany, N. Y. | 6 |
| 381 | in the construction of stoves for culinary purposes, by means whereof there is a great saving of fuel and labor, called an improved cooking stove | Jos. Hurd, jun. | Boston, Mass. | 10 |
| 382 | in the construction of boilers | Jos. Hurd, jun. | Boston, Mass. | 10 |

LIST OF PATENTS -- Continued.

| No. | Inventions and Discoveries. | Names of Patentees. | Residence. | When issued. |
|-----|---|---------------------|---------------------|------------------|
| 383 | Impt. in the construction of fireplaces or furnaces, and in the application of heat by means thereof, for culinary and other purposes, called a furnace with reflectors | Jos. Hurd, jun. | Boston, Mass. | 1829. Nov. 10 |
| 384 | in the construction of ovens with reflectors | Jos. Hurd, jun. | Boston, Mass. | 10 |
| 385 | in the machine for spinning wool | John Orndorff | Russelville, Ky. | 10 |
| 386 | in the throstle for spinning cotton | Samuel Blydenburgh | New York | 10 |
| 387 | in the mode of making shingles by machinery at one operation, called the improved shingle machine | Simeon Wood | Holden, Mass. | 10 |
| 388 | in the oval churn | John Oothoudt | Lebanon, N. Y. | 10 |
| 389 | in the art of distilling the meal of maize or Indian corn | Anthony Doolittle | Ann Harbor, M. T. | 10 |
| 390 | in the mode of making or manufacturing stove funnel, tin ware, or copper ware | Oliver Hubbard | Claremont, N. H. | 12 |
| 391 | in the machine for riving, drawing, jointing, and squaring shingles | Parke Jones | James' City co. Va. | 12 |
| 392 | in the washing machine | Eleazer Berry | New York | 12 |
| 393 | in mills for grinding, washing, and separating gold and silver from ores, earth, or in whatever state these metals may be found; patented to him on the 13th day of February, 1828, which patent being hereby cancelled on account of defective specification, (re-issued 18th of November, 1829) | William H. Folger | Charlotte, N. C. | 1828. Feb. 13 |
| 394 | in the Eclipse machine for washing clothes | Charles D. Wright | E. Haddam, Conn. | 1829. Nov. 19 |

| | | | | |
|-----|---|--------------------------------|-----------------------|------|
| 395 | in the faggoting and making of anchors - - | J. Tucker and J. Judge | Washington, D. C. - | 19 |
| 396 | called an improved stereotype plate - - | Nathan Hale - | Boston, Mass. - | 20 |
| 397 | in the manufacture of thoroughly carbonated steel from bars of good wrought iron - - | Stephen Pope - | New York - | 20 |
| 398 | in the chain wheel - - - - | J. Hines and E. D. McCord | Sandy Hill, N. Y. - | 20 |
| 399 | being a new and useful mode of propelling boats in the water by the application of sculling wheels, or screw propelling wheels - - - | Benjamin M. Smith - | Rochester, N. Y. - | 20 |
| 400 | in the anthracite coal cooking stove - - | W. Davis and R. W. Lord - - | New York - | 23 |
| 401 | in making or manufacturing a <i>mucilagenous dura- ble compound</i> as a substitute for oil in the mak- ing of paints - - - - | Lawrence J. Vankleek | Poughkeepsie, N. Y. - | " 23 |
| 402 | in a machine for washing clothes - - - | Roswell Brainard - | Haddam, Con. - | " 23 |
| 403 | being a new and useful machine to be employed in the manufacture of brick - - - | John S. Hanna - | Mercer, Pen. - | " 23 |
| 404 | in spinning or throwing silk, cotton, flax, wool, and other fibrous substances, being an improvement on the throstle frame in common use - - | Henry Ruggles - | New York - - | " 24 |
| 405 | being a new and useful machine for washing, scour- ing, and fulling cloth, and manufacturing the same, thrashing, working hat bodies, making matting or carpeting of wool, fur, or other sub- stances - - - - | Harvey Stayton - | Lockport, N. Y. - | " 25 |
| 406 | in guide and sign boards - - - - | Stanley Carter - | Ranyham, Mass. - | " 25 |
| 407 | upon the door-spring or machine or instrument at- tached to doors for the purpose of closing or shut- ting them - - - - | Lynus Burwell - | Berlin, Con. - | " 25 |
| 408 | in thrashing machines - - - - | Thomas G. Owen - | Baltimore, Md. - | " 26 |
| 109 | in making fence of wire or cords or twine, and in making seines or nets of wire - - - | Chauncey Hall - | Meriden, Con. - | " 27 |

LIST OF PATENTS—Continued.

| No. | Inventions or Discoveries. | Names of Patentees. | Residence. | When issued. |
|-----|--|--|---------------------|--------------|
| | | | | 1829 |
| 410 | Impt. in pump buckets - - - - | David Coon - | Mendon, N. Y. - | Nov. 28 |
| 411 | in paddle wheels - - - - | Jacob Perkins - | London, England - | " 30 |
| 412 | in the use of means to churn or to perform the process of agitation - - - - | Hosea H. Grover - | Auburn, N. Y. - | " 30 |
| 413 | for propelling vessels of every description by means of "inside lever propelling wheels," with the assistance (at pleasure) of wind and steam ship pipes - - - - | Jno. James Giraud - | Baltimore, Md. - | Dec. 1 |
| 414 | on the press known by the name of Bramah's hydrostatic press - - - - | David H. Mason and Maths. W. Baldwin - | Philadelphia, Pa. - | " 2 |
| 415 | in the mode of distributing the ink and applying the same to the types in letter-press printing - | John Prince - | New York - | " 3 |
| 416 | in the art of bolting flour and meal - - | William H. Akins - | Berkshire, N. Y. - | " 3 |
| 417 | in distilling - - - - | William Cook - | Southport, N. Y. - | " 7 |
| 418 | in the churn, by lever power - - - - | William Cook - | Southport, N. Y. - | " 7 |
| 419 | in the art of purifying and rectifying peach, apple, and cider brandy and whiskey by redistillation and filtration - - - - | Robert Manck - | Gallipolis, Ohio - | " 7 |
| 420 | in the construction and mode of discharging fire-arms of various kinds - - - - | Robert Eastman - | Brunswick, Me. - | " 7 |
| 421 | in the cultivator - - - - | Isaac Cobb - | Westminster, Ver. - | " 7 |
| 422 | in the machine for shearing the nap from woollen cloth - - - - | Merrit Hurd - | Augusta co. N. Y. - | " 7 |

| | | | | | |
|-----|--|--------------------|----------------------|---|----|
| 423 | in a machine for manufacturing wrought or drawn nails, &c. | Shadk. Davis, jun. | Dartmouth, Mass. | " | 8 |
| 424 | called the improved shingle cutter | Joel N. Johnson | Fredonia, N. Y. | " | 8 |
| 425 | being a machine for excavating earth under water, called Teal's invented metallic scraper | Oliver Teal | Salina, N. Y. | " | 8 |
| 426 | being a machine for elevating heavy guns | L. & Wm. H. Bell | Fortress Monroe, Va. | " | 8 |
| 427 | in the percussion primers for cannon | L. & Wm. H. Bell | Fortress Monroe, Va. | " | 8 |
| 428 | in the common turners' lathe for the turning of wood and other substances | Elijah Putnam | Gardner, Mass. | " | 9 |
| 429 | in the grist mill and horizontal spiral water wheel | Alexander Temple | Brookfield, Ohio | " | 11 |
| 430 | in the carriages for rail roads and other purposes | John J. Reckery | Baltimore, Md. | " | 11 |
| 431 | in the art of charring wood for the manufacture of charcoal | Isaac Doolittle | Bennington, Vt. | " | 14 |
| 432 | in the machinery for thrashing grain | William Barnes | Brookhaven, N. Y. | " | 14 |
| 433 | in the machine (originally invented by him) for hulling or husking cotton seed, and separating the hull from the kernel | Francis Follet | Petersburg, Vir. | " | 15 |
| 434 | in the machine for washing and boiling all kinds of wearing apparel, bed clothes, or fabrics, viz: woollens, cotton, hemp, and linen of every kind | J. T. W. Dennis | Paintville, Ohio | " | 16 |
| 435 | in the machinery for setting up hat bodies, called the hat body forming machine | Orlando Root | Montgomery co. N. Y. | " | 19 |
| 436 | in weaving narrow stuff, such as ribbons, webbings, tapes, ferrets, girthings, chaise lace, fringes, &c. without the use of shuttles | John Thorp | Providence, R. I. | " | 22 |
| 437 | in the churn for the manufacture of butter from milk, which he denominates the labor-saving churn | Samuel J. O'Brien | New York | " | 22 |
| 438 | in his patented bridges | Lewis Wernwag | Jefferson co. Va. | " | 22 |

LIST OF PATENTS--Continued.

| No. | Improvements or Discoveries. | Names of Patentees. | Residence. | When Issued. |
|-----|---|--------------------------------------|--------------------------------------|-----------------|
| 439 | Impt. in the application of the power of tide water, connected with the principles of buoyancy and gravity, for the purpose of applying power to machinery or any other required use, called "Western's tide power" - - - | Henry M. Western - | New York - | 1829 Dec. 23 |
| 440 | in the grist mill - - - | Mark L. Chase - | Frankfort, Maine - | " 23 |
| 441 | in the machine for hulling or husking cotton seed, and separating the hull from the kernel - | Jabez Smith - | Petersburg, Va. - | " 28 |
| 442 | in a machine for paring apples - - - | Reuben Mosher and Amos Mosher - | Galway, N. Y. - | " 28 |
| 443 | in the mode of burning brick - - - | Nathaniel Adams and Aaron Noyes - | Cornwall, N. Y. Newburgh, N. Y. - | " 28 |
| 444 | in the application of hot water or steam in the making of casks, barrels, hogsheads or kegs - | Josiah Thompson - | Philadelphia, Pa. - | " 30 |
| 445 | in spinning and roping cotton and wool, called the golden spinner - - - | Joseph B. Wheeler - | Galway, N. Y. - | " 30 |
| 446 | in the threshing machine - - - | John Haws - | Hudson, N. Y. - | " 31 |
| 447 | being a power machine - - - | William Hosford, jr. - | Washington townsh. O - | " 31 |

Doc. No. 16.]

The following Abstract exhibits the number of Patents sent to each State.

| | | | | | | | | | |
|----------------|---|---|---|-----|----------------------|---|---|---|-----|
| Maine | - | - | - | 10 | Ohio | - | - | - | 30 |
| New Hampshire | - | - | - | 8 | Tennessee | - | - | - | 2 |
| Massachusetts | - | - | - | 59 | Indiana | - | - | - | 2 |
| Rhode Island | - | - | - | 11 | Louisiana | - | - | - | 1 |
| Connecticut | - | - | - | 45 | Alabama | - | - | - | 2 |
| Vermont | - | - | - | 3 | Illinois | - | - | - | 0 |
| New York | - | - | - | 157 | Missouri | - | - | - | 2 |
| New Jersey | - | - | - | 4 | Mississippi | - | - | - | 0 |
| Pennsylvania | - | - | - | 46 | Michigan Territory | - | - | - | 3 |
| Delaware | - | - | - | 00 | District of Columbia | - | - | - | 8 |
| Maryland | - | - | - | 12 | England | - | - | - | 1 |
| Virginia | - | - | - | 17 | France | - | - | - | 1 |
| North Carolina | - | - | - | 3 | | | | | |
| South Carolina | - | - | - | 7 | Total | - | - | - | 447 |
| Georgia | - | - | - | 3 | | | | | |
| Kentucky | - | - | - | 9 | | | | | |



21st CONGRESS,
2d Session.

[Doc. No. 49.]

HO. OF REPS.
State Dept.

PATENTS FOR USEFUL INVENTIONS.

—◆—
LETTER

FROM

THE SECRETARY OF STATE,

TRANSMITTING

A list of Patents granted for useful Inventions during the year 1830.

—◆—
JANUARY 13, 1831.

Read, and laid upon the table.

—◆—
DEPARTMENT OF STATE, *January 1, 1831.*

SIR: In pursuance of the resolutions of the House of Representatives of the United States, dated the 13th of January, 1812, and the 2d of April, 1830, I have the honor of transmitting a list of the names of persons who have invented any new or useful art or machine, manufacture, or composition of matter, or any improvement thereon, and to whom patents have been issued for the same from this office, from the 1st day of January, 1830, to the 1st day of January, 1831, with the dates and general objects of such patents; and also the residence of the patentees, as far as they could be ascertained.

I have the honor to be,
With great consideration,
Your very obedient servant,
M. VAN BUREN

The Hon. the **SPEAKER** of the *Ho. of Reps. U. S.*

LIST OF PATENTS—AGRICULTURE.

| INVENTORS' NAMES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN IS- SUED. |
|------------------------------------|---------------------|---|-------------------|
| Arnold, Gilbert | Angelica, N. Y. | Grain, cleaning and dressing | 1830. |
| Armstrong, Abel D. | Springfield, O. | Plough, agricultural | June 17. |
| Atwood, Henry C. | Woodbury, Ct. | Thrashing machine | Jan. 15. |
| Allen, Samuel S. | Springport, N. Y. | Do. (patent of Nov. 1st, 1828, cancelled) | Jan. 23. |
| Arnold, James H. and J. Bonsall | Morristown, O. | Thrashing machine | May 13. |
| Beard, Ebenezer | Charleston, Ms. | Bee-hive, slide | July 8. |
| Ball, Daniel | Sandy Hill, N. Y. | Flax and hemp machine | Mar. 12. |
| Borden, Thomas | Newport, R. I. | Plough | July 7. |
| Barnard, Derrick | Washington, Del. | Do. cast iron | Jan. 13. |
| Burts, Jehiel | Georgetown, S. C. | Rice, machine for thrashing | Apr. 21. |
| Beach, Joseph | Middletown, Ct. | Do. do. hulling and working a trip hammer | May 20. |
| Beecher, Benjamin D. | Woodbury, Ct. | Thrashing grain, helling corn, and cutting straw, &c. | Oct. 1. |
| Burrall, Thomas D. | Geneva, N. Y. | Thrashing and winnowing wheat and small grain | Oct. 20. |
| Briant, Germain | Richmond, Va. | Tobacco stemming | Dec. 6. |
| Cofley, Reuben | Barke county, N. C. | Planting corn and peas | Nov. 11. |
| Conklin, James H. | Peekskill, N. Y. | Plough-share, cast iron | Dec. 14. |
| Cobbs, John P. | Nelson county, Va. | Do. hill side | Jan. 13. |
| Clime, Samuel | New Britain, Pa. | Do. combined | Oct. 1. |
| Case, Jeremiah | Sodus, N. Y. | Smut machine | Nov. 12. |
| Clark, James, and Isaac Starks | Genoa, N. Y. | Thrashing machine | Oct. 1. |
| Clarke, Chester | Colebrookdale, Pa. | Thrashing and hulling clover seed | Jan. 20. |
| Corwithe, William | New York | Do. machine | Jan. 28. |
| Cooper, James | Augusta county, Va. | Do. do. | Mar. 23. |
| | | | Apr. 12. |

| | | | | | | | | | | |
|--|---|---------------------|---|--|---|---|---|---|---|----------|
| Caustin, R. L. | - | Ledyard, N. Y. | - | Thrashing machine | - | - | - | - | - | Oct. 1. |
| Cooley, Lenmon | - | Philadelphia, Pa. | - | Do. do. and hulling clover seed | - | - | - | - | - | Nov. 11. |
| Dewey, Joel, jr. | - | Troy, N. Y. | - | Flax and hemp machine | - | - | - | - | - | Nov. 25. |
| Do. | - | do. | - | Thrashing machine | - | - | - | - | - | Jan. 29. |
| Douglass, James, and Walter Johnson | - | Attica, N. Y. | - | Thrashing machine | - | - | - | - | - | May 14. |
| Darraha, James, and Jacob Kinsey | - | Ruscombmanor, Pa. | - | Thrashing and hulling clover seed | - | - | - | - | - | Nov. 6. |
| Flagg David, jr. | - | New York | - | Grates, revolving, for grating apples and other vegetables | - | - | - | - | - | Dec. 20. |
| Folton, Samson | - | Huntington, Pa. | - | Plough | - | - | - | - | - | Nov. 1. |
| Flagg, David, jr. | - | New York | - | Rice thrasher, rotary | - | - | - | - | - | Nov. 29. |
| Fisher, Samuel, and David Sperry | - | Amsterdam, Va. | - | Thrashing machine | - | - | - | - | - | May 19. |
| Flagg, David, jr. | - | Gardiner, Me. | - | Do. | - | - | - | - | - | June 4. |
| Do. | - | New York | - | Do. | - | - | - | - | - | July 10. |
| Gorgas, Jacob | - | Fredericksburg, Pa. | - | Clover seed, machine for shelling | - | - | - | - | - | Jan. 15. |
| Gardner, Phineas | - | Woodville, Ms. | - | Cotton gin saw | - | - | - | - | - | Apr. 22. |
| Gambell, Squire | - | Onondaga, N. Y. | - | Thrashing machine | - | - | - | - | - | June 24. |
| Hoyt, William | - | Vernon, Ind. | - | Corn shelling machine | - | - | - | - | - | Dec. 17. |
| Hawley, William C. | - | Brookfield, Ct. | - | Fan mill | - | - | - | - | - | Oct. 1. |
| Halladay, J. | } | Hartford, N. Y. | - | Flax machine | - | - | - | - | - | Mar. 4. |
| T. Eldridge, | | | | | | | | | | |
| C. Gibbs, and J. D. Smith | | | | | | | | | | |
| Hampton, Jesse | - | Lexington, Ky. | - | Preserving meats and fruits | - | - | - | - | - | Mar. 12. |
| Humphrey, Rufus | - | Victor, N. Y. | - | Thrashing machine | - | - | - | - | - | Dec. 27. |
| Harris, Charles | - | Snowhill, O. | - | Wool, washing on the sheep | - | - | - | - | - | Oct. 1. |
| Ingersoll, Thomas | - | Murray, N. Y. | - | Thrashing machine | - | - | - | - | - | Mar. 23. |
| Jessup, George | - | Troy, N. Y. | - | Thrashing machine—improvement on Ballou's | - | - | - | - | - | Dec. 14. |
| Ingersoll, Erastus | - | Farmington, Mich. | - | Mowing machine | - | - | - | - | - | May 7. |
| Krauss, A. and J. Krauss | - | Upper Milford, Pa. | - | Plaster, lime, &c. | - | - | - | - | - | Oct. 16. |

LIST OF PATENTS—AGRICULTURE—Continued.

| INVENTORS' NAMES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN IS- SUED. |
|--|------------------------|---|-------------------|
| Laning, Samuel | Camden, N. J. | Apples, machine for gathering | 1830. |
| Lindsey, Noah | Catskill, N. Y. | Thrashing machine | Nov. 1. |
| Lupton, Amor | Frederick county, Va | Thrashing machine | May 7. |
| Jacob Janney, and John Lupton | | | July 28. |
| Manning, William | Westfield towns'p, Pa. | Clover seed, rice, barley, &c., machine for hulling | Nov. 24. |
| McCormick, Robert | Rockbridge co. Va. | Flax and hemp machine | Oct. 1. |
| Meigs, Phineas, and M. C. Arnold | Madison, Ct. | Planting and digging potatoes, ploughing corn, &c. | Nov. 3. |
| Mitchell, Adam | Washington co. Ten. | Plough, bow share | Oct. 1. |
| Moyer, Daniel | Cootstown, Pa. | Thrashing machine—improvement on Warren's | Feb. 10. |
| Miller, Rudolph | Marietta, Pa. | Thrashing machine | Mar. 15. |
| Nisbet, Samuel | Toboyne township, Pa. | Plough | May 25. |
| Nichols, Ethan H. and Thadeus Fairbanks | St. Johnsbury, Vt. | Flax and hemp dresser | Oct. 1. |
| Neal, Jesse, assignee of Phineas Pettis | Middlebury, O | Grain scouring | July 2. |
| Norton, John L. | Charleston, S. C. | Rice and barley machine | May 7. |
| Ottinger, Wm. | Whitemarsh, Pa. | Thrashing machine | Oct. 1. |
| Pawling, Charles | Gregg township, Pa. | Plough | May 21. |
| Preston, Titus | Wallingford, Ct. | Straw cutter | Oct. 1. |
| Peters, John | Harrisburgh, Pa. | Thrashing machine | June 12. |
| Rice, Charles | Barre, Mass. | Cider mill | Nov. 11. |
| Rich, John, jr. | Troy, N. Y. | Flax and hemp machine | May 20. |
| Ravenel, John | Charleston, S. C. | Rice, machine for cleaning | Jan. 29. |

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|--|---|----------------------|---|---|---|---|---|---|----------|
| Ross, Wm. | - | Pennfield, N. Y. | - | Thrashing machine | - | - | - | - | April 1. |
| Sears, David | - | Franklin, N. Y. | - | Fanning mill | - | - | - | - | Mar. 24. |
| Scott, Wm. K. | - | Sandy Hill, N. Y. | - | Flax and hemp machine | - | - | - | - | Feb. 11. |
| Smith, Abel, and Jas. Olney | - | Westmoreland, N. Y. | - | do do for dressing | - | - | - | - | July 10. |
| Sanford, Nat. C. and Erastus P. Parmelee | - | Meriden, Ct. | - | Rake, iron teeth | - | - | - | - | June 8. |
| Sands, Ephraim | - | Cincinnati, O. | - | Rice, machine for thrashing | - | - | - | - | May 24. |
| Slover, Asher, and Wm. Sperry | - | New York | - | Thrashing machine | - | - | - | - | June 29. |
| Stowitts, John | - | Gorham, N. Y. | - | do do | - | - | - | - | July 13. |
| Slater, Samuel | - | Philadelphia, Pa. | - | do and winnowing machine | - | - | - | - | Oct. 1. |
| Sperry, Wm. | - | New York | - | do machine | - | - | - | - | " |
| Smith, Alouzo L. | - | Brutus, N. Y. | - | do do | - | - | - | - | Nov. 24. |
| Tomlinson, Wm. A. | - | New York | - | Beef, salted, mode of making and curing | - | - | - | - | Dec. 14. |
| Tam, Lemuel C. | - | Milton, Del. | - | Harrow teeth, fluke | - | - | - | - | Mar. 30. |
| Thurston, Edward | - | New York | - | Thrashing grain, shelling corn | - | - | - | - | Nov. 1. |
| Turner, Samuel, and Norris Barnes | - | Aurelius, N. Y. | - | do machine | - | - | - | - | Nov. 27. |
| Tuck, Dorris G. | - | Halifax co. Va. | - | Tobacco, drying and curing | - | - | - | - | Oct. 1. |
| Urffer, Michael | - | Upper Milford, Pa. | - | Grain, cleaning, &c. | - | - | - | - | " |
| Wilson, Samuel | - | Darlington, S. C. | - | Plough, shovel cutter | - | - | - | - | Feb. 6. |
| Walker, Robert | - | Washingtonville, Pa. | - | do | - | - | - | - | Mar. 10. |
| Wilson, Samuel | - | Darlington, S. C. | - | Straw cutter | - | - | - | - | Nov. 11. |
| Warren, Edmond | - | New York | - | Thrashing machine | - | - | - | - | Jan. 29. |
| Wood, Wm. J. | - | Batavia, N. Y. | - | do do | - | - | - | - | Oct. 1. |
| Yuger, Jacob | - | Harrisburgh, Pa. | - | Plough | - | - | - | - | June 9. |

LIST OF PATENTS—AGRICULTURE—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN IS- SUED. |
|---|---|---------------------------|-------------------|
| | | | 1830. |
| Apples, machine for gathering - - - - | Samuel Laning - | Camden, N. J. - | Nov. 1. |
| Bee hive, slide - - - - | Ebenezer Beard - | Charlestown, Mass. - | Mar. 12. |
| Beef, salted, mode of making and curing - - - | Wm. A. Tomlinson - | New York - | Dec. 24. |
| Cider mill - - - - | Charles Rice - | Barre, Mass. - | Nov. 11. |
| Clover seed, machine for shelling - - - - | Jacob Gorgas - | Fredericksburg, Pa. - | Jan. 15. |
| do do rice, barley, &c. machine for hulling - - | Wm. Manning - | Westfield township, Pa. - | Nov. 24. |
| Corn shelling machine - - - - | Wm. Hoyt - | Vernon, Ind. - | Dec. 17. |
| Cotton gin saw - - - - | Phineas Gardner - | Woodville, Mass. - | Ap. 22. |
| Fan mill - - - - | Wm. C. Hawley - | Brookfield, Ct. - | Oct. 1. |
| Fanning mill - - - - | David Sears - | Franklin, N. Y. - | Mar. 24. |
| Flax and hemp machine - - - - | Wm. K. Scott - | Sandy Hill, N. Y. - | Feb. 11. |
| Flax machine - - - - | J. Halladay, T. Eld- ridge, C. Gibbs, and J. D. Smith - | Hartford, N. Y. - | Mar. 4. |
| Flax and hemp machine - - - - | John Rich, jr. - | Troy, N. Y. - | May 20. |
| do do - - - - | Daniel Ball - | Sandy Hill, N. Y. - | July 7. |
| do do for dressing - - - - | Abel Smith, and Jas. Olney - | Westmoreland, N. Y. - | July 10. |
| do do - - - - | Robert McCormick - | Rockbridge co. Va. - | Oct. 1. |
| do dresser - - - - | Ethan H. Nichols, & Thadeus Fairbanks - | St. Johnsbury, Vt. - | " |
| do machine - - - - | Joel Dewey, jr. - | Troy, N. Y. - | Nov. 25. |
| Grain, cleaning and drying - - - - | Gilbert Arnold - | Angelica, N. Y. - | June 17. |
| do scouring - - - - | Jesse Neal, assignee of Phineas Pettis - | Middlebury, O. - | July 2. |

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|--|---|---|---|---|---|---|---|-----------------------|---|----------|
| Grain, cleaning, &c. | - | - | - | - | - | Michael Urffer | - | Upper Milford, Pa. | - | Oct. 1. |
| Grater, revolving, for grating apples and other vegetables | - | - | - | - | - | David Flagg, jr. | - | New York | - | Dec. 20. |
| Harrow tooth. fluke | - | - | - | - | - | Lemuel Tam | - | Milton, Del. | - | Mar. 30. |
| Mowing machine | - | - | - | - | - | Erastus Ingersoll | - | Farmington, Mich. | - | May 7. |
| Planting and digging potatoes, ploughing corn, &c. | - | - | - | - | - | Phineas Meigs, and M. C. Arnold | - | Madison, Ct. | - | Nov. 3. |
| Planting corn and peas | - | - | - | - | - | Reuben Coffey | - | Burke co. N. C. | - | Dec. 14. |
| Plaster, lime, &c. | - | - | - | - | - | Andrew Krauss, and Joel Krauss | - | Upper Milford, Pa. | - | Oct. 16. |
| Plough share, cast iron | - | - | - | - | - | James H. Conklin | - | Peekskill, N. Y. | - | Jan. 13. |
| do do | - | - | - | - | - | Thomas Borden | - | Newport, R. I. | - | " |
| do agricultural | - | - | - | - | - | Abel D. Armstrong | - | Springfield, O. | - | Jan. 15. |
| do shovel cutter | - | - | - | - | - | Samuel Wilson | - | Darlington, S. C. | - | Feb 6. |
| do do | - | - | - | - | - | Robert Walker | - | Washingtonville, Pa. | - | Mar. 10. |
| do cast iron | - | - | - | - | - | Derrick Barnard | - | Washington, Del. | - | Apr. 21. |
| do do | - | - | - | - | - | Charles Pawling | - | Gregg township, Pa. | - | May 21. |
| do do | - | - | - | - | - | Samuel Nisbet | - | Toboyne township, Pa. | - | May 25. |
| do do | - | - | - | - | - | Jacob Yager | - | Harrisburgh, Pa. | - | June 9. |
| do hill side | - | - | - | - | - | John P. Cobbs | - | Nelson co. Va. | - | Oct. 1. |
| do bar share | - | - | - | - | - | Adam Mitchell | - | Washington co. Tenn. | - | " |
| do do | - | - | - | - | - | Samson Felton | - | Huntington, Pa. | - | Nov. 1. |
| do combined | - | - | - | - | - | Samuel Clime | - | New Britain, Pa. | - | Nov. 12. |
| Preserving meats and fruits | - | - | - | - | - | Jesse Hampton | - | Lexington, Ky. | - | Mar. 12. |
| Rake, iron tooth | - | - | - | - | - | Nathaniel C. Sanford, and Erastus P. Par- melee | - | Meriden, Ct. | - | June 8. |
| Rice, machine for cleaning | - | - | - | - | - | John Ravenel | - | Charleston, S. C. | - | Jan. 29. |
| Rice and barley machine | - | - | - | - | - | John L. Norton | - | do | - | May 7. |
| Rice, machine for threshing | - | - | - | - | - | Jehiel Butts | - | Georgetown, S. C. | - | " 20. |
| Do do do | - | - | - | - | - | Ephraim Sands | - | Cincinnati, Ohio | - | " 24. |
| Do do for hulling and working a trip hammer | - | - | - | - | - | Joseph Beach | - | Middletown, Ct. | - | Oct. 1. |

LIST OF PATENTS—AGRICULTURE—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|--------------------------------------|-------------------------|--------------|
| Rice thresher, rotary | David Flagg, jr. | New York | 1830. |
| Smut machine | Jeremiah Case | Sodus, N. Y. | Nov. 29 |
| Straw cutter | Titus Preston | Wallingford, Ct. | Oct. 1 |
| Do do | Samuel Wilson | Darlington c. h., S. C. | " " |
| Threshing machine | Ja's Clark & Is. Starks | Genoa, New York | Nov. 11 |
| Do do | Henry C. Atwood | Woodbury, Ct. | Jan. 20 |
| Do do and hulling clover seed | Chester Clarke | Colebrookdale, Pa. | " 23 |
| Do do | Edmund Warren | New York | " 28 |
| Do do | Joel Dewey, jr. | Troy, N. Y. | " 29 |
| Do do improvement on Warren's | Daniel Moyer | Cootstown, Pa. | " " |
| Do do | Rudolph Miller | Marietta, Pa. | Feb. 10 |
| Do do | Thomas Ingersoll | Murray, N. Y. | Mar. 15 |
| Do do | William Corwithe | New York | " 23 |
| Do do | William C. Ross | Pennfield, N. Y. | " " |
| Do do | James Cooper | Augusta co., Va. | April 1 |
| Do do | Noah Lindsey | Catskill, N. Y. | " 12 |
| Do do (patent of November 1st, 1828, cancelled) | Samuel S. Allen | Springport, N. Y. | May 7 |
| Do do | James Douglass and Walter Johnson | Attica, N. Y. | " 13 |
| Do do | Samuel Fisher and David Sparry | Amsterdam, Va. | " 14 |
| Do do | David Flagg, jr. | Gardiner, Maine, | " 19 |
| Do do | John Peters | Harrisburgh, Pa. | June 4 |
| Do do | Squire Gambell | Onondaga, N. Y. | " 12 |
| | | | " 24 |

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|---|---|---|---|---|---|--|--------------------|---|------|-----|
| Thrashing machine | - | - | - | - | - | Asher Slover and William Sperry | New York | - | " | 29 |
| Do do | - | - | - | - | - | James H. Arnold and J. Bonsall | Morristown, Ohio | - | July | 8 |
| Do do | - | - | - | - | - | David Flagg, jr. | New York | - | " | 10 |
| Do do | - | - | - | - | - | John Stowitts | Gorham, N. Y. | - | " | 13 |
| Do do | - | - | - | - | - | Amos Lupton, Jacob Janney, and John Lupton | Frederick co., Va. | - | " | 28 |
| Do do | - | - | - | - | - | R. L. Caustin | Ledyard, N. Y. | - | Oct. | 1 |
| Do do | - | - | - | - | - | William Ottinger | Whitemarsh, Pa. | - | " | |
| Do and winnowing machine | - | - | - | - | - | Samuel Slater | Philadelphia, Pa. | - | " | |
| Do machine | - | - | - | - | - | William J. Wood | Batavia, N. Y. | - | " | |
| Do do | - | - | - | - | - | William Sperry | New York | - | " | |
| Do grain, shelling corn, and cutting straw, &c. | - | - | - | - | - | Benjamin D. Beecher | Woodbury, Ct. | - | Oct. | 20 |
| Do do do do | - | - | - | - | - | Edward Thurston | New York | - | Nov. | 1 |
| Do do and hulling clover seed | - | - | - | - | - | James Darrah | Cookstown, Pa. | - | } | " 6 |
| Do do do do | - | - | - | - | - | Jacob Kinsey | Ruscomb manor, Pa. | - | | |
| Do machine | - | - | - | - | - | Lenmon Cooley | Philadelphia, Pa. | - | " | 11 |
| Do do | - | - | - | - | - | Alonzo L. Smith | Brutus, N. Y. | - | " | 24 |
| Do and winnowing wheat and small grain | - | - | - | - | - | Samuel Turner and Norris Barnes | Aurelius, N. Y. | - | " | 27 |
| Do machine, improvement on Ballou's | - | - | - | - | - | Thomas D. Burrall | Geneva, N. Y. | - | Dec. | 6 |
| Do do | - | - | - | - | - | George Jessup | Troy, N. Y. | - | " | 14 |
| Tobacco, drying and curing | - | - | - | - | - | Rufus Humphry | Victor, N. Y. | - | " | 27 |
| Do stemming | - | - | - | - | - | Davis G. Tuck | Halifax co., Va. | - | Oct. | 1 |
| Wool, washing on the sheep | - | - | - | - | - | Germain Breant | Richmond, Va. | - | Nov. | 11 |
| | - | - | - | - | - | Charles Harris | Snowhill, Ohio | - | Oct. | 1 |

LIST OF PATENTS—FACTORY MACHINERY.

| INVENTORS' NAMES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|-------------------------------------|---------------------|---|--------------|
| 1830. | | | |
| Aiken, Herrick | - Dracut, Mass. | - Brushes, cloth or hair | - May 24 |
| Allen, Zachariah | - Providence, R. I. | - Cloth, woollen, finishing | - Feb. 23 |
| Atwood, Anson | - Salem, N. Y. | - Fulling mill and power loom | - Oct. 1 |
| Allen, Zachariah | - Providence, R. I. | - Napp, forming on woollen cloth | - Feb. 2 |
| Atwood, Charles | - Middletown, Conn. | - Roll preserver, or mode of taking the wool from the doffers of the breakers | - Nov. 1 |
| Aiken, Herrick | - Dracut, Mass. | - Saw-set | - May 24 |
| Atwood, Charles | - Middletown, Conn. | - Slubbing, making woollen, called Atwood's twisting slubber | - Mar. 10 |
| Atwood, Charles | - do do | - Spools, winding conical, for slubbing from the card | - Nov. 1 |
| Annesley, William | - Albany, N. Y. | - Timber, mode of uniting, for domes, bridges, &c. | - " 6 |
| Allen, Zachariah | - Providence, R. I. | - Cloth, woollen, finishing | - Feb. 23 |
| Beckwith, Jedediah | - Saratoga, N. Y. | - Boring timber | - Dec. 21 |
| Blake, Philos | - New Haven, Conn. | - Brushes, tooth | - Mar. 8 |
| Baker, Elisha | - Warwick, R. I. | - Cotton whipper, revolving | - June 4 |
| Barron, James | - Norfolk, Va. | - Fan for bed chambers, dining rooms, halls, &c., moved by mechanism | - Nov. 27 |
| Beals, Asa | - Exeter, N. H. | - Locks for doors and trunks | - Jan. 26 |
| Bacon, William | - Philadelphia, Pa. | - Loom, carpet and rug | - April 7 |
| Brest, Jonathan, and Elisha Gilmore | - Roxbury, Mass. | - Nails, manufacturing, Reed's horse-head machine | - June 1 |
| Blank, Ephraim F. and Thomas Blank | - New York | - Paper, leather | - Feb. 16 |
| Brown, John | - Providence, R. I. | - Spinning machine, called the universal spinner | - May 20 |
| Bogardus, James | - New York | - Spinning, cotton, flax, silk, machine in form of flying traveller | - " 25 |
| Bowen, Ethan | - Providence, R. I. | - Spinning machine, called the double spinner | - July 13 |

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|---|------------------------|--|----------|
| Butcher, Robert | - Philadelphia, Pa. | - Spoons, making from tin plate, pewter in sheets, sheet silver, &c. | Dec. 27 |
| Bacon, Allyn | - Philadelphia, Pa. | - Suspender springs and cords | Dec. 17 |
| Baker, Job | - New Bedford, Mass. | - Spring wire lock | Oct. 1 |
| Brundred, Benjamin | - Oldham, N. J. | - Throstle and spindle frame | May 7 |
| Blake, Lemuel | - Boston, Mass. | - Types, making and using | Mar. 12 |
| Coffan, William, jr. | - Hammonton, N. J. | - Glass, cylinder, window, flattening | Oct. 1 |
| Carlock, William | - Baltimore, Md. | - Hats, machine for washing and cleaning | Mar. 12 |
| Clark, Josiah R. | - South Coventry, Ct. | - Loom, carpet | May 7 |
| Carpenter, E. W. | - Lancaster, Pa. | - Plane, groove | Jan. 30 |
| Church, James, jr. | - Hartford, Ct. | - Spinning, machine called the long band | May 22 |
| Clark, William | - Pultney, N. Y. | - do do | Oct. 1 |
| Clegg, William | - Norwich, Ct. | - Spools or bobbins | Feb. 24 |
| Collier, William R. | - Boston, Mass. | - Types, casting and setting | Feb. 9 |
| Dexter, Samuel F. and Samuel Graves | - Auburn, N. Y. | - Rope, cordage, and twine manufacturing | Aug. 24. |
| Daniels, Charles, as- signee of Wm. W. Southworth | - Saybrook, Ct. | - Screws and gimlets, cutting | Mar. 30 |
| Dyer, Jos. C. | - Manchester, Eng. | - Speeder, twisting, improvement on Danforth's | Oct. 1 |
| Danforth, Charles | - Patterson, N. J. | - Throstle for spinning | April 1 |
| Eastman, Joel, and Charles Abbot | - Bath, N. H. | - Screws, machine for cutting and turning steel, iron, &c. | Dec. 23 |
| Eaton, Isaiah | - Boston, Mass. | - Springs for doors | Feb. 24 |
| Foster, Jesse, and Jas. Stondenburgh | - Greene county, N. Y. | - Garments, woollen, manufacturing without spinning or weaving | Apr. 20 |
| Foote, Aaron H. | - New London, N. Y. | - Saws, cross-cut circular | July 14 |
| Gammond, Edmund | - Gorham, Me. | - Brads, cutting and manufacturing from iron plates | Oct. 20 |
| Gregory, Alonson P. | - Ithaca, N. Y. | - Hats, scalding and napping | May 13 |
| Grut, Benjamin | - New York | - Hats, making of paper waterproof | Oct. 1 |
| Gardner, Morris J. | - Yorkborough, Pa. | - Lathe, turning | Dec. 14 |
| Goulding, Jno. | - Dedham, Mass. | - Loom, making and using | July 7 |

LIST OF PATENTS—FACTORY MACHINERY—Continued.

| INVENTORS' NAMES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|--|------------------------|--|--------------|
| | | | 1830. |
| Groff, Joseph - | Rapho, Pa. - | Nap and card machine, Fuller's | Feb. 10 |
| Gilpin, Thomas - | Philadelphia, Pa. - | Paper, finishing machine | June 25 |
| Greenwood, Cyrus - | Winchester, N. H. - | Spinning jenny for unfurling condensed woollen roping | Feb. 13 |
| Hyde, Stephen - | Williamsburg, Mass. - | Axes, oval | Jan. 29 |
| Hayden, Festus - | Waterbury, Ct. - | Buttons, American wire-eyed | Oct. 1 |
| Hurd, Joseph, jr. - | Boston, Mass. - | Cloth drying machine, called the evaporating shaft | Jan. 23 |
| Henning, George, - | Ithaca, N. Y. - | Hats, sizing and napping | Apr. 28 |
| Howard, William H. - | Worcester, Mass. - | Loom, vibrating cam | Feb. 12 |
| Hammond, James, and John McClelland - | Williamsport, Pa. - | Loom, cassinet | July 3 |
| Hearsey, Joseph - | Wareham, Mass. - | Nails, manufacturing. reed machine | May 13 |
| Hurd, Thomas, and Jesse Fox - | Lowell, Mass. - | Nap, raising on woollen cloth by thrashing | June 23 |
| Howell, Francis B. - | Lockport, Ohio - | Paper cutting machine | May 21 |
| Hovey, William - | Boston, Mass. - | Plane irons | Mar. 10 |
| Hamilton, James - | New York - | Saws, wood | June 10 |
| Harris, E. B., and An- drew R. Arnold - | Woodstock, Ct. - | Temples, revolving burr | Apr. 13 |
| Jewett, John - | Dudley, Mass. - | Cloth, passing and stretching cloth over a revolving cylinder, with teasles | Dec. 30 |
| Jarves, Deming - | Boston, Mass. - | Glass knobs, manufacturing | Oct. 19 |
| Jarves, Deming - | Boston, Mass. - | Moulds for glassmakers | May 28 |
| Johnson, Henry - | Sidney Plains, N. Y. - | Saws, crosscut and sawmill, gumming the teeth | Dec. 23 |
| Irwin, Jno. - | Coventry, R. I. - | Spindle still and can roping machine | Mar. 26 |

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|--|---|---|--|---|---|---|---------------------------|
| King, P. L., and E. Blasdell | - | { Sparta & Lawrence- burg township, Ind. | Carding machine, called the fancy card | - | - | - | Oct. 14 |
| Kingsbury, Rhodes | - | Bath, Maine | Screw cog for shives of ship blocks | - | - | - | May 22 |
| L'Hommedieu, Ezra | - | Saybrook, Ct. | Augers, single twist | - | - | - | Oct. 1 |
| Lewis, Ichabod | - | Irville, Ohio | Chairs, manufacturing machine, called the mechanics' assistant | - | - | - | May 25 |
| Laporte, Peter | - | Augusta county, Va. | Cloth, manufacturing of flax and wire | - | - | - | July 12 |
| Littleboy, Maulby J. | - | Philadelphia, Pa. | Combs, manufacturing horn and tortoise shell | - | - | - | Nov. 19 |
| Lemont, Archibald | - | Pittsburg, Pa. | Dies and taps | - | - | - | Jan. 29 |
| Lewis, Thomas C. | - | Pittsburg, Pa. | Iron, malleable, manufacturing from pig metal | - | - | - | Oct. 1 |
| Leonard, John, jr., Ja- red S. Brainard, and Amasa Sizer | - | Wallingford, Ct. | Moulds for casting iron, brass, &c. | - | - | - | Jan. 28 |
| Little, Archibald | - | Bridgeton, N. J. | Spoons, making | - | - | - | Dec. 14 |
| Lothian, George B. | - | New York | Types, music, cutting and casting | - | - | - | Aug. 11 |
| McGann, Jno. | - | Kensington, Pa. | Glass bottles, decanters of all kinds, and other pressed hollow glassware, with the necks smaller than the cavity or inside diameter of the vessel | - | - | - | Nov. 26 |
| Manly, Gervase B. | - | Canton, Mass. | Nails, manufacturing wrought | - | - | - | Dec. 14 |
| Magaw, William | - | Meadville, Pa. | Paper, making from straw, hay, &c., (patent of 8th March, and 22d May, 1828, cancelled, and reissued Feb. 19th, 1830 | - | - | - | 1828. March 8 1830. |
| Mason, Samuel P. | - | Leesville, Ct. | Speeder for spinning cotton roping | - | - | - | June 24 |
| Mason, Samuel P. | - | Leesville, Ct. | Speeder for making cotton roving: patent 24th June, 1830, cancelled | - | - | - | Dec. 29 |
| Markland, William | - | New York | Tops, pepper and ink | - | - | - | Oct. 1 |
| McCord, Enoch D. | - | Sandy Hill, N. Y. | Vice, stock and hand | - | - | - | Oct. 1 |
| Newton, Phineas | - | Sidney, N. Y. | Saws, crosscut or sawmill, gumming the teeth | - | - | - | June 19 |
| Otis, Ephraim R. | - | River Head, Ct. | Temples, self-operating | - | - | - | April 2 |
| Pitts, Jas. Cyrus Hough- ton, and Jos. Rice, jr. | - | Lancaster, Mass. | Combs, machine for making, called a grinding comb stock, &c. | - | - | - | Oct. 1 |
| Phelps, Barssell | - | Andover, Mass. | Propelling speeder in spinning wool | - | - | - | Dec. 31 |

LIST OF PATENTS—FACTORY MACHINERY—Continued.

| INVENTORS' NAMES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|----------------------|-----------------------|---|--------------|
| Pratt, Julius, - | Meriden, Ct. - | Combs, method of making ivory, bone, and wood - | 1830. |
| Phyfe, William F - | New York - | Curtains, window and bed - | Dec. 28 |
| Pearce, Jno. - | Yorkshire, N. Y. - | Spinning machine, farmers' handy maid - | Feb. 19 |
| Rundle, Thomas, - | Boston, Mass. - | Cloth mangle machine - | June 30 |
| Rhodes, Elias - | Kingsbury, N. Y. - | Lathe - | Nov. 11 |
| Rogers, George A. - | Augusta, Me. - | Locks - | Nov. 11 |
| Rice, Thomas, - | Petersburg, Va. - | Twine, cotton seine - | Jan. 20 |
| Snyder, John - | Tuscarora, N. Y. - | Augers, boring and withdrawing - | Oct. 1 |
| Scott, Thomas M. - | Falls Township, Pa. - | Candles, dipped, manufacturing - | June 1 |
| Sherwood, William - | Somersworth, N. H. - | Carpeting, ingrain, taking figures of - | April 1 |
| Scott, John - | Philadelphia, Pa. - | Chests, fire-proof - | " 20 |
| Simmons, James S. - | Scituate, R. I. - | Cotton whipper, cylindrical grate - | Nov. 12 |
| Stevens, A. H. - | Richland, N. Y. - | Hat bodies, forming - | Oct. 1 |
| Skinner, Elijah - | Sandwich, N. H. - | Locks, saving, for locking drawers - | Jan. 27 |
| Sherwood, William - | Worcester, Mass. - | Loom, ingrain carpet - | April 13 |
| Standish, John - | Providence, R. I. - | Loom, or improvement in weaving - | Jan. 20 |
| Shugert, John - | Quincy, Pa. - | Paper cutting machine - | Nov. 11 |
| Sanderson, Isaac - | Milton, Mass. - | Pasteboard paper, for bandboxes, &c. - | Dec. 14 |
| Senueff, Jacob - | Philadelphia, Pa. - | Reeds, weaver's - | May 15 |
| Stondinger, George - | Newark, N. J. - | Rolling-mill, steel, for carriage springs - | Oct. 1 |
| Salisbury, Amos - | Troy, N. Y. - | Rope and cordage, preserving - | July 17 |
| Steele, Austin - | Waterbury, Ct. - | Roping or slubbing, making woollen - | Nov. 1 |
| Stem, David - | Vanderburg co. Ind. - | Sawing timber - | April 1 |
| Stroop, Jacob - | Landisburg, Pa. - | Stamp for malleable metal - | Dec. 14 |
| | | | July 17 |

| | | | |
|---|-----------------------|---|----------|
| Standish, John - Petersburg Manufacturing Company, assignees of Alonson Pond - | Providence, R. I. - | Temples of the common power loom - - - | Nov. 11 |
| Tenny, Daniel - | Petersburg, Va. - | Twine, seine, and small cordage - - - | May 20 |
| Thomas, Elihu H., and Nathan Woodcock - | Plattsburg, N. Y. - | Hat body machinery, called the sagging apron - - - | Oct. 1 |
| Thorp, John - | Brattleborough, Vt. - | Pulp dresser - - - - - | Aug. 11 |
| Warner, Uriel G. - | Providence, R. I. - | Spinning cotton yarns - - - - - | Nov. 11 |
| Wing, Calvin - | Ripley, O. - | Carding machine - - - - - | Oct. 1 |
| Wooster, Lewis, and John B. Holmes - | Gardiner, Me. - | Carding wool and other fibrous material - - - | " 21 |
| Whiting, Ebenezer - | Meadville, Pa. - | Paper, manufacturing from wood - - - - - | Aug. 3 |
| Whitney, Richard - | Berkshire, N. Y. - | Saw-set, applicable to saws of all descriptions - - - | Oct. 15 |
| Willard, Julius - | Baltimore, Md. - | Screws, wedge - - - - - | April 10 |
| | Do. - | Shot, manufacturing - - - - - | July 10 |

FACTORY MACHINERY.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|---------------------|-----------------------|--------------|
| | | | 1830. |
| Augers, boring and withdrawing - - - | John Snyder - | Tuscarora, N. Y. - | June 1 |
| Do. single twist - - - - - | Ezra L'Hommedieu - | Saybrook, Ct. - | Oct. 1 |
| Axes, oval - - - - - | Stephen Hyde - | Williamsburg, Mass. - | Jan. 29 |
| Boring timber - - - - - | Jedediah Beckwith - | Saratoga, N. Y. - | Dec. 21 |
| Brads, cutting and manufacturing from iron plates - - - | Edmund Gammon - | Gorham, Me. - | Oct. 20 |
| Brushes, tooth - - - - - | Philos Blake - | New Haven, Ct. - | Mar. 8 |

LIST OF PATENTS—FACTORY MACHINERY—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|---|--|--------------|
| | | | 1830. |
| Brushes, cloth or hair - - - - - | Herrick Aiken - | Dracut, Mass. - | May 24 |
| Buttons, American wire-eyed - - - - - | Festus Hayden - | Waterbury, Ct. - | Oct. 1 |
| Candles, dipped, manufacturing - - - - - | Thomas M. Scott - | Falls Township, Pa. - | April 1 |
| Carding machine - - - - - | Uriel G. Warner - | Ripley, O. - | Oct. 1 |
| Do do called the fancy card - - - - - | { P. L. King and E. Blasdell - } | { Sparta & Lawrence- burg township, Ind. } | { " 14 } |
| Do wool and other fibrous material - - - - - | Calvin Wing - | Gardiner, Me. - | " 21 |
| Carpeting, ingrain, taking figures of - - - - - | William Sherwood - | Somersworth, N. H. - | April 20 |
| Chairs, manufacturing machine, called the mechanics' assistant | Ichabod Lewis - | Irville, O. - | May 25 |
| Chests, fire-proof - - - - - | John Scott - | Philadelphia, Pa. - | Nov. 12 |
| Cloth drying machine, called the evaporating shaft - - - - - | Joseph Hurd, jr. - | Boston, Mass. - | Jan. 23 |
| Do woollen, finishing - - - - - | Zachariah Allen - | Providence, R. I. - | Feb. 22 |
| Do manufacturing of flax and wire - - - - - | Peter Laporte - | Augusta co. Va. - | July 12 |
| Do mangle machine - - - - - | Thomas Rundle - | Boston, Mass. - | Nov. 11 |
| Do passing and stretching cloth over a revolving cylinder with teasles - - - - - | John Jewett - | Dudley, Mass. - | Dec. 30 |
| Combs, machine for making, called a grinding comb stock, &c. { | { James Pitts, Cyrus Houghton, and Joseph Rice, jr. } | Lancaster, Mass. - | Oct. 1 |
| Do manufacturing horn and tortoise shell - - - - - | Maulby J. Littleboy - | Philadelphia, Pa. - | Nov. 19 |
| Do method of making ivory, bone, and wood - - - - - | Julius Pratt - | Meriden, Ct. - | Dec. 28 |
| Cotton whipper, revolving - - - - - | Elisha Baker - | Warwick, R. I. - | June 4 |
| Do do cylindrical grate - - - - - | James S. Simmons - | Scituate, R. I. - | Oct. 1 |
| Curtains, window and bed - - - - - | William F. Phyfe - | New York - | Feb. 19 |
| Dies and taps - - - - - | Archibald Lemont - | Pittsburg, Pa. - | Jan. 29 |

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|---|------------------------------------|---------------------|----------|
| Fan, for bed-chambers, dining-rooms, halls, &c. moved by mechanism | James Barron | Norfolk, Va. | Nov. 27 |
| Fulling mill and power loom | Anson Atwood | Salem, N. Y. | Oct. 1 |
| Garments, woollen, manufacturing without spinning or weaving | Jesse Foster and Jas. Stondenburgh | Greene Co. N. Y. | April 20 |
| Glass, cylinder window, flattening | William Coffan, jr. | Hammonton, N. J. | Oct. 1 |
| Do knobs, manufacturing | Deming Jarves | Boston, Mass. | " 19 |
| Do bottles, decanters of all kinds, and other pressed hollow glass ware with the necks smaller than the cavity or inside diameter of the vessel | | | |
| Hats, machine for washing and cleaning | John McGann | Kensington, Pa. | Nov. 26 |
| Do sizing and napping | William Carlock | Baltimore, Md. | Mar. 12 |
| Do scalding and napping | George Henning | Ithaca, N. Y. | April 28 |
| Do making of paper, water proof | Alonson P. Gregory | Do | May 13 |
| Hat bodies, forming | Benjamin Grut | New York | Oct. 1 |
| Hat body machinery, called the Sagging Apron | A. H. Stevens | Richland, N. Y. | Jan. 27 |
| Iron, malleable, manufacturing from pig metal | Daniel Tenny | Plattsburg, N. Y. | Oct. 1 |
| Lathe | Thomas C. Lewis | Pittsburg, Pa. | " 1 |
| Do turning | Elias Rhodes | Kingsbury, N. Y. | Nov. 11 |
| Locks | Morris J. Gardner | York Borough, Pa. | Dec. 14 |
| Do for doors and trunks | George A. Rogers | Augusta, Me. | Jan. 20 |
| Do saving, for locking drawers | Asa Beals | Exeter, N. H. | " 26 |
| Loom, ingrain carpet | Elijah Skinner | Sandwich, N. H. | April 13 |
| Do vibrating cam | William Sherwood | Somersworth, N. H. | Jan 26 |
| Do carpet and rug | William H. Howard | Worcester, Mass. | Feb. 12 |
| Do carpet | William Bacon | Philadelphia, Pa. | April 7 |
| Loom, cassinet | Josiah R. Clark | South Coventry, Ct. | May 7 |
| | James Hammond and John McClelland | Williamsport, Pa. | July 3 |
| Do. making and using | John Goulding | Dedham, Mass. | " 7 |
| Do. or improvement in weaving | John Standish | Providence, R. I. | Nov. 11 |

LIST OF PATENTS—FACTORY MACHINERY—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|-------------------------------------|----------------------|------------------|
| | | | 1830. |
| Moulds, for casting iron, brass, &c. - - - - | John Leonard, jr. | } Wallingford, Ct. - | Jan. 28 |
| | Jared S. Brainard and Amasa Sizer - | | |
| Do. for glass making - - - - | Denning Jarvis - | Boston, Mass. - | May 28 |
| Nails, manufacturing, Reed's machine - - - - | Joseph Hearsey - | Wareham, Mass. - | " 13 |
| Do. do. do. horse head machine - - - - | Jona. Brett and Elisha Gilmore - | Roxbury, Mass. - | June 1 |
| Do. do. wrought - - - - | Gervase B. Manley - | Canton, Mass. - | Dec. 14 |
| Nap, forming on woollen cloth - - - - | Zachariah Allen - | Providence, R. I. - | Feb. 2 |
| Do. and card-machine, Fuller's - - - - | Joseph Groff - | Rapho, Pa. - | " 10 |
| Do. raising on woollen cloth by teasing - - - - | Thomas Hurd and Jesse Fox - | Lowell, Mass. - | June 23 |
| Paper, leather - - - - | Ephraim F. Blank and Thomas Blank - | New York - | Feb. 16 |
| Do. making from straw, hay, &c., (patent of 8th March and 22d May, 1828, cancelled, and re-issued February 19, 1830) - - - - | William Magaw - | Meadville, Pa. - | 1828. March 8 |
| Do. cutting machine - - - - | Francis B. Howell - | Lockport, Ohio - | 1830. May 21 |
| Do. manufacturing from wood - - - - | Lewis Wooster and J. B. Holmes - | Meadville, Pa. - | Aug. 3 |
| Do. finishing machine - - - - | Thomas Gilpin - | Philadelphia, Pa. - | June 25 |
| Do. cutting do. - - - - | John Shugert - | Quincy, Pa. - | Dec. 14 |
| Pasteboard, paper for bandboxes, &c. - - - - | Isaac Sanderson - | Milton, Mass. - | May 15 |

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|--|---|------------------------|----------|
| Plane, groove - | E. W. Carpenter - | Lancaster, Pa. - | Jan. 30 |
| Do. irons - | William Hovey - | Boston, Mass. - | Mar. 10 |
| Pulp dresser - | Eliha H. Thomas and Nathan Woodcock - | Brattleboro, Vt. - | Aug. 11 |
| Reeds, weavers' - | Jacob Senneff - | Philadelphia, Pa. - | Oct. 1 |
| Roll preserver, or mode of taking the wool from the doffers of the breakers - | Charles Atwood - | Middletown, Ct. - | Nov. 1 |
| Rolling mill steel for carriage springs - | George Stodinger - | Newark, N. J. - | July 17 |
| Rope, cordage, and twine, manufacturing - | Samuel F. Dexter and Samuel Graves - | Auburn, N. Y. - | Aug. 24 |
| Do. and cordage preserving - | Amos Salisbury - | Troy, N. Y. - | Nov. 1 |
| Roping or slabbing, making woollen - | Austin Steele - | Waterbury, Ct. - | April 1 |
| Saws, wood - | James Hamilton - | New York - | June 10 |
| Do. crosscut or saw-mill, gumming the teeth - | Phineas Newton - | Sidney, N. Y. - | " 19 |
| Do. crosscut circular - | Aaron H. Foote - | New London, N. Y. - | July 14 |
| Do. do. and saw-mill, gumming the teeth - | Henry Johnson - | Sidney Plains, N. Y. - | Dec. 23 |
| Sawing timber - | David Stem - | Vanderbury Co. Ind. - | " 14 |
| Saw set - | Herrick Aiken - | Dracut, Mass. - | May 24 |
| Do. applicable to saws of all descriptions - | Ebenezer Whiting - | Berkshire, N. Y. - | Oct. 15 |
| Screws and gimlets, cutting - | Charles Daniels, as- signee of Willam W. Southworth - | Saybrook, Ct. - | Mar. 30 |
| Screw, swedge - | Richard Whitney - | Baltimore, Me. - | April 10 |
| Do. cog for shives of ships' blocks - | Rhodes Kingsbury - | Bath, Me. - | May 22 |
| Screws, machine for cutting and turning steel, iron, &c. - | Joel Eastman and Charles Abbot - | Bath, N. H. - | Dec. 23 |
| Shot, manufacturing - | Julius Willard - | Baltimore, Md. - | July 10 |
| Slubbing, making woollen, called Atwood's twisting slubber - | Charles Atwood - | Middletown, Ct. - | Mar. 10 |
| Speeder, for spinning cotton roping - | Samuel P. Mason - | Leesville, Ct. - | June 24 |
| Do. twisting, improvement on Danforth's - | Joseph C. Dyer - | Manchester, Eng. - | Oct. 1 |
| Spindle still and can roping machine - | John Irwin - | Coventry, R. I. - | Mar. 26 |

LIST OF PATENTS—FACTORY MACHINERY—Continued.

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| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES | RESIDENCE. | WHEN IS- SUED. |
|---|-----------------------------------|--------------------|-------------------|
| | | | 1830. |
| Spindle, propelling in spinning wool | Russell Phelps | Andover, Mass. | Dec. 21 |
| Spinning jenny, for unfurling condensed woollen roping | Cyrus Greenwood | Winchester, N. H. | Feb. 13 |
| Do. machine, called the universal spinner | John Brown | Providence, R. I. | May 20 |
| Do. do. do. long band | James Church, jr. | Hartford, Ct. | " 22 |
| Do. cotton, flax, silk, machine, in form of flying traveller | James Bogardus | New York | " 25 |
| Do. machine, farmer's handy maid | John Pearce | Yorkshire, N. Y. | June 30 |
| Do. do. called the double spinner | Ethan Bowen | Providence, R. I. | July 13 |
| Do. do. | William Clarke | Pultney, N. Y. | Oct. 1 |
| Do. cotton yarns | John Thorp | Providence, R. I. | Nov. 11 |
| Spools or bobbins | William Clegg | Norwich, Ct. | Feb. 24 |
| Do. winding conical for slubbing from the card | Charles Atwood | Middletown, Ct. | Nov. 1 |
| Spoons, making | Archibald Little | Bridgton, N. J. | Dec. 14 |
| Do. do. from tin plate, pewter in sheets, sheet silver, &c. | Robert Butcher | Philadelphia, Pa. | " 27 |
| Springs for doors | Isaiah Eaton | Boston, Mass. | Feb. 24 |
| Stamp for malleable metal | Jacob Stroop | Landisburg, Pa. | July 17 |
| Suspender springs and cords | Allyn Bacon | Philadelphia, Pa. | Dec. 17 |
| Spring wire lock | Job Baker | New Bedford, Mass. | Oct. 1 |
| Speeder for making cotton roving, (patent 24th June, 1830, cancelled) | Samuel P. Mason | Leesville, Ct. | Déc. 29 |
| Temples, self operating | Ephraim R. Otis | River Head, Ct. | April 2 |
| Do. revolving bur | E. B. Harris and Andrew R. Arnold | Woodstock, Ct. | " 13 |
| Do. of the common power loom | John Standish | Providence, R. I. | Nov. 11 |
| Throstle for spinning | Charles Danforth | Patterson, N. J. | April 1 |
| Do. and spindle frame | Benjamin Brundred | Oldham, N. J. | May 7 |

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|---|---|---|---------------------|---|-------------------|---|-------|----|
| Timber, mode of uniting for domes, bridges, &c. | - | - | William Annesley | - | Albany, N. Y. | - | Nov. | 6 |
| Tops, pepper and ink | - | - | William Markland | - | New York | - | Oct. | 1 |
| Twine, seine, and small cordage | - | - | Petersburg Manufac- | - | | - | | |
| | | | turing Company, as- | - | | - | | |
| | | | signees of Alson | - | | - | | |
| | | | Pond | - | Petersburg, Va. | - | May | 20 |
| Do. cotton seine | - | - | Thomas Rice | - | Do. | - | Oct. | 1 |
| Types, casting and setting | - | - | William R. Collier | - | Boston, Mass. | - | Feb. | 9 |
| Do. making and using | - | - | Lemuel Blake | - | Do. | - | Mar. | 12 |
| Do. music, cutting and casting | - | - | George B. Lothian | - | New York | - | Aug. | 11 |
| Vice. stock and hand | - | - | Enoch D. McCord | - | Sandy Hill, N. Y. | - | cOct. | 1 |

NAVIGATION.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|--|--------------------|--|--------------|
| | | | 1830. |
| Annesley, William | Albany, N. Y. | Building vessels | Nov. 6 |
| Averill, Henry | Richland, N. Y. | Water wheel for propelling canal boats | Oct. 1 |
| Ballard, Thos. assignee of Thomas Evans | New York | Lifting ships out of water | May 28 |
| Beach, Timothy | Wilmington, O. | Propelling boats | April 2 |
| Bull, Aaron | Carlisle, Pa. | Tow lines for boats | Jan. 30 |
| Brown, Mathew D. | Buffalo, Va. | Ferry boats | Oct. 1 |
| Cunningham, Thomas | Pittsburg, Pa. | Dock, floating, graving | " 1 |
| Coffield, William | Norfolk, Va. | Ducks, mode of catching | Jan. 18 |
| Copley, Josiah | Warrior Marsh, Pa. | Propeller, spiral, for boats | May 22 |
| Cady, Eleazer | Canaan, N. Y. | Weighing boats and cargoes, called the tonnage meter | Jan 6 |

LIST OF PATENTS—NAVIGATION—Continued.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|--|-----------------------|--|--------------|
| | | | 1830. |
| Davis, Robert - | Philadelphia, Pa. - | Tow lines, apparatus for holding - - - - | Nov. 11 |
| Holmes, Elisha H. - | Norwich, Con. - | Mud machine for beds of streams, rivers, and harbors - - | " 18 |
| Lewis, H. L. B. - | Buffalo, N. Y. - | Propelling canal boats by a lock paddle wheel - - | " 2 |
| Morrison, William, & George Tomb - | Jersey Shore, Pa. - | Excavator, floating - - - - | Aug. 25 |
| Phillips, Benjamin - | Philadelphia, Pa. - | Cylinder for propelling vessels - - - - | Jan. 22 |
| Peltier, Felix - | New York - - | Propelling vessels - - - - | Oct. 1 |
| Patton, John M. - | Milton, Pa. - | Steam navigation - - - - | Feb. 4 |
| Rodgers, Andrew - | Middletown, Pa. - | Chain paddle wheel - - - - | April 6 |
| Ronaldson, James, and John N. Neill - | Philadelphia, Pa. - | Railway marine, foundation of - - - - | May 22 |
| Short, Sewell, & Noah Bradford - | Richmond, Va. - | Dams, mode of constructing - - - - | Feb. 22 |
| Smith, William W. - | Barnstable, Mass. - | Explorer, submarine - - - - | " 18 |
| Sheffield, Thomas - | Rochester, N. Y. - | Raising canal boats, ships, &c. - - - - | " 23 |
| Smith, Franklin G. - | Green county, N. Y. - | Raising vessels by means of sliding ways - - - - | May 8 |
| Tiers, Cornelius, and Joseph Myers - | Lynchburg, Va. - | Steam navigation machinery - - - - | Oct. 12 |
| Watson, Alonson - | Philadelphia, Pa. - | Tiller wheel - - - - | Jan 18 |
| Williams, Thomas R | Pendleton, N. Y. - | Excavator, floating - - - - | " 18 |
| | Newport, R. I. - | Felt for bottoms of vessels and other purposes - - | May 22 |

NAVIGATION.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|--|-----------------------|--------------|
| | | | 1830. |
| Building vessels - - - - - | William Annesley - | Albany, N. Y. - | Nov. 6 |
| Chain paddle wheel - - - - - | Andrew Rodgers - | Middletown, Pa. - | April 6 |
| Cylinder for propelling vessels - - - - - | Benjamin Phillips - | Philadelphia, Pa. - | Jan. 23 |
| Dams, mode of constructing - - - - - | John M. Syme - | Richmond, Va. - | Feb. 22 |
| Dock, floating, graving - - - - - | Thomas Cunningham - | Pittsburg, Pa. - | Oct. 1 |
| Ducks, mode of catching - - - - - | William Coffield - | Norfolk, Va. - | Jan. 18 |
| Excavator, floating - - - - - | Alonson Watson - | Pendleton, N. Y. - | " 18 |
| Do. do. - - - - - | William Morrison & George Tomb - | Jersey Shore, Pa. - | Aug. 25 |
| Explorer, submarine - - - - - | Sewall Short & Noah Bradford - | Barnstable, Mass. - | Feb. 18 |
| Felt for bottoms of vessels and other purposes - - - - - | Thomas R. Williams - | Newport, R. I. - | May 22 |
| Ferry boats - - - - - | Matthew D. Brown - | Buffalo, Va. - | Oct. 1 |
| Lifting ships out of water - - - - - | Thos. Ballard, assignee of Thomas Evans - | New York - | May 28 |
| Mud machine for beds of streams, rivers, and harbors - - - - - | Elisha H. Holmes - | Norwich, Con. - | Nov. 18 |
| Propeller, spiral, for boats - - - - - | Josiah Copley - | Warrior Marsh, Pa. - | May 22 |
| Propelling boats - - - - - | Timothy Beach - | Wilmington, O. - | April 2 |
| Do. vessels - - - - - | Felix Peltier - | New York - | Oct. 1 |
| Do. canal boats, by a lock paddle wheel - - - - - | H. L. B. Lewis - | Buffalo, N. Y. - | Nov. 2 |
| Railway-marine, foundation of - - - - - | James Ronaldson and John L. Neill - | Philadelphia, Pa. - | May 22 |
| Raising canal boats, ships, &c. - - - - - | William W. Smith - | Rochester, N. Y. - | Feb. 23 |
| Do. vessels, by means of sliding ways - - - - - | Thomas Sheffield - | Green county, N. Y. - | May 8 |
| Steam navigation - - - - - | John M. Patton - | Milton, Pa. - | Feb 4 |

LIST OF PATENTS—NAVIGATION—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|-------------------------------------|---------------------|--------------|
| Steam navigation, machinery - - - - - | Franklin G. Smith - | Lynchburg, Va. - | 1830. |
| Tiller wheel - - - - - | Cornelius Tiers and Joseph Myers | Philadelphia, Pa. - | Oct. 12 |
| Tow lines for boats - - - - - | Aaron Bull - | Carlisle, Pa. - | Jan. 18 |
| Do. apparatus for holding - - - - - | Robert Davis | Philadelphia, Pa. - | “ 30 |
| Water wheel for propelling canal boats - - - - - | Henry Averill | Richland, N. Y. - | Nov. 11 |
| Weighing boats and cargoes, called the tonnage meter - - - - - | Eleazer Cady - | Canaan, N. Y. - | Oct. 1 |
| | | | Jan. 6 |

LAND WORKS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN IS-SUED. |
|----------------------|----------------------|---|---------------|
| Beach, Isaac - | Dryden, N. Y. - | Car, self loading - - - - - | 1830. |
| Crane, Jonathan - | Schenectady, N. Y. - | Car, circular - - - - - | June 28 |
| Disbrow, Levi - | New York - | Boring earth for water - - - - - | Oct. 1 |
| Duncomb, Edward - | Do. - | Rail roads - - - - - | Nov. 1 |
| Elgar, John - | Baltimore, Md. - | Car, rail road - - - - - | July 13 |
| Jones, Samuel T. - | Philadelphia, Pa. - | Car, pendulous rail roads - - - - - | Oct. 1 |
| Do. - | Do. - | Car, railway, to run on roads and streets - - - - - | Feb. 22 |
| Jordan, Henry - | Lexington, Ky. - | Gold, digging and procuring - - - - - | “ “ |
| Fairman, Simon - | Nassau, N. Y. - | Carriage, land and steam - - - - - | Oct. 1 |
| Fairlamb, Jonas P. - | New Castle, Del. - | Planes, revolving for crossing, railways - - - - - | Mar. 27 |
| | | | July 7 |

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|---|---------------------|---|----------|
| Finlay, John - | Baltimore, Md. - | Wheel iron for rail road carriages - | Mar. 4 |
| Hughes, Joseph Y. - | Pottsville, Pa. - | Carriage, rail road - | June 25 |
| Heston, William - | Philadelphia, Pa. - | Carriages, locomotive - | Oct. 11 |
| Long, S. H. - | Baltimore, Md. - | Bridges, wooden or frame - | Mar. 6 |
| Long, George W. - | Fort Jackson, La. - | Bridges, frame - | " 10 |
| Lane, Samuel - | Hallowell, Me. - | Railway, endless chain - | May 17 |
| Morris, William, and } Jabez, Spinks } | Kenhawa, Va. - | Boring earth for water - | Oct. 22 |
| Orrick, William P. - | Reading, Pa. - | Carriage, rail road - | Mar. 2 |
| Overall, Israel - | Liberty, W. Tenn. - | Rocks, boring - | April 23 |
| Pollock, John - | Hopewell, Pa. - | Car, self adjusting rail road street - | July 7 |
| Post, John W. and } Calvin Post } | Washington, D. C. - | Rocks, drilling - | Feb. 2 |
| Post, John W. - | Do. - | Rocks, drilling and blasting - | Oct. 1 |
| Stimpson, James - | Baltimore, Md. - | Propelling carriages on rail roads by horse power - | Feb. 16 |
| Do. - | Do. - | Propelling carriages on rail roads by timber - | June 3 |
| Sutto, Benjamin - | Romulus, N. Y. - | Propelling carriages on railway, tread wheel - | Jan. 27 |
| Shaw, Moses - | New York - | Rocks, blasting - | June 3 |

LAND WORKS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN IS- SUED. |
|----------------------------|--|---------------------|-------------------|
| | | | 1830. |
| Boring earth for water - | William Morris and } Jabez Spinks } | Kenhawa, Va. - | Oct. 22 |
| Do. do. - | Levi Disbrow - | New York - | Nov. 1 |
| Bridges, wooden or frame - | S. H. Long - | Baltimore, Md. - | Mar. 6 |
| Do. frame - | George W. Long - | Fort Jackson, La. - | " 10 |

LIST OF PATENTS—LAND WORKS—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN IS- SUFD. |
|---|---------------------|--------------------|-------------------|
| | | | 1830. |
| Car, pendulous rail road | Samuel T. Jones | Philadelphia, Pa. | Feb. 22 |
| railway, to run on roads and streets | Do. | Do. | " 22 |
| self loading | Isaac Beach | Dryden, N. Y. | June 28 |
| self adjusting rail road street | John Pollock | Hopewell, Pa. | July 7 |
| rail road | John Elgar | Baltimore, Md. | Oct. 1 |
| circular | Jonathan Crane | Schenectady, N. Y. | " 1 |
| Carriage, rail road | William P. Orrick | Reading, Pa. | Mar. 2 |
| land and steam | Simon Fairman | Nassau, N. Y. | " 27 |
| rail road | Joseph V. Hughes | Pottsville, Pa. | June 25 |
| locomotive | William Heston | Philadelphia, Pa. | Oct. 11 |
| Gold, digging and procuring | Henry Jordan | Lexington, Ky. | " 1 |
| Planes, revolving for crossing railways | Jonas P. Fairlamb | New Castle, Del. | July 7 |
| Propelling carriages on rail roads by horse power | James Stimpson | Baltimore, Md. | Feb. 16 |
| Rail roads, timber | Do. | Do. | June 3 |
| way, tread wheel | Benjamin Sutton | Romulus, N. Y. | Jan. 27 |
| endless chain | Samuel Lane | Hallowell, Me. | May 17 |
| Rail roads | Edward Dunscomb | New York | July 13 |
| Rocks, drilling | John W. Post and | | |
| boring | Calvin Post | Washington, D. C. | Feb. 2 |
| blasting | Israel Overall | Liberty, W. Tenn. | April 23 |
| drilling and blasting | Moses Shaw | New York | June 3 |
| Wheel, iron, for rail road carriages | John W. Post | Washington, D. C. | Oct. 4 |
| | John Finlay | Baltimore, Md. | Mar. 1 |

COMMON TRADES.

| NAMES OF PATENTEES | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN IS- SUED. |
|-------------------------|-----------------------|--|-------------------|
| | | | 1830 |
| Adams, Nathaniel - | Cornwall, N. Y. - | Brick machine - - - - - | June 22 |
| Arnold, William E. - | Haddam, Ct. - | Washing machine - - - - - | Jan. 11 |
| Arnold, Robert C. - | New Haven, Ct. - | Do. - - - - - | June 15 |
| Bancroft, David - | Grafton, Vt. - | Bedstead, elevating for the sick - - - - - | Oct. 12 |
| Barber, John - | Caroline, N. Y. - | Churn, cradle - - - - - | Jan. 28 |
| Barney, Luther, & Abel | | | |
| A. Beach, - | Groton, N. Y. - | Churn, double revolving - - - - - | Feb. 5 |
| Bristol, Abner - | Hillsdale, N. Y. - | do labor saving - - - - - | Apr. 28 |
| Brewster, Iram - | Blenheim, N. Y. - | do - - - - - | May 28 |
| Bushnell, Samuel, 2d - | Saybrook, Ct. - | do - - - - - | Dec. 20 |
| Bladen, Thomas - | Philadelphia, Pa. - | Crackers, biscuit, machine for cutting - - - - - | Mar. 16 |
| Bladen, Thomas - | Philadelphia, Pa. - | do do &c. - - - - - | Oct. 1 |
| Brewster, Jonah - | Worthington, Ms. - | Crimper, boot - - - - - | Mar. 23 |
| Blake, Judson, & Daniel | | | |
| Cushing, - | Providence, R. I. - | Key for bedsteads, - - - - - | Dec. 14 |
| Bloomer, Thomas - | New York, - | Sawing and planing machine - - - - - | Nov. 3 |
| Bisbee, Ziba - | Bridgewater, Ms. - | Staves, hoops, &c., machine for splitting - - - - - | June 5 |
| Belt, William H. | Fortress Monroe, Va } | | |
| Tim. P. Andrews, | Washington City, } | Stone breaking and thrashing machine - - - - - | July 9 |
| Butler, Lester, & Isaac | | | |
| Hinckley, - | Cobleskill, N. Y. - | Tire bending - - - - - | Mar. 26 |
| Burnass, Caleb B. - | New York, - | Veneers, machine for sawing - - - - - | Dec. 14 |
| Barney, Luther, & Abel | | | |
| A. Beach, - | Groton, N. Y. - | Washer, revolving steam - - - - - | Feb. 5 |
| Barnes, John - | Kingston, Pa. - | Washing machine, called the revolving steam washer - - - - - | Oct. 14 |

LIST OF PATENTS.—COMMON TRADES—Continued.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN IS- SUED. |
|--|----------------------|--|-------------------|
| Branard, Wm. H. & Chauncey B. Bulkley, | Chatham, Ct. | Washing machine | 1830. |
| Bushnell, Samuel, 2d | Saybrook, Ct. | do do | Oct. 16 |
| Cole, James | E. Bloomfield, N. Y. | Boots and shoes, instrument for cutting channels for seams | Dec. 20 |
| Cooper, Isaac | Baltimore, Md. | Boxes for hubs of wheels, and ships' blocks, | Nov. 26 |
| Curtiss, Asahel | Paris, N. Y. | Butter, machine for manufacturing | Jan. 27 |
| Cornell, Philip | Brutus, N. Y. | Churning machine | Apr. 20 |
| Cooper, James | Philadelphia, Pa. | Crackers, biscuit, &c., machine for cutting | Oct. 1 |
| Clark, Joseph, & Henry Henderson, | Baltimore, Md. | Crackers, biscuit, pilot bread, &c., machine for cutting | Nov. 11 |
| Colby, Alvan | Sharon, Vt. | Felloes, machine for sawing | Sept. 13 |
| Cornell, Philip | Brutus, N. Y. | Knife sharpener, domestic | Oct. 15 |
| Carsley, Seth, 2d | Harrison, Me. | Lasts, shoemakers' | Jan. 15 |
| Crary, Nathan, & Edmund P. Crary, | Albany, co N. Y. | Pill boxes, | April 2 |
| Carleton, Ebenezer, & Solomon Whiting, jr. | Bath, N. H. | Sawing clap boards, tipping, &c. | April 6 |
| Clarke, Richard P. | Broadalbin, N. Y. | Washer, Columbian | Mar. 25 |
| Clowes, Charles L. | Union, Va. | Washing machine | April 16 |
| Carver, James A. | Taunton, Ms. | Window blind fastener, gravitation | Feb. 27 |
| Dewey, Ebenezer | Butternuts, N. Y. | Churn, floating wheel | " 27 |
| Dickerman, Sereno, & Samuel M. Parsons, | Meriden, Ct. | Churn | Oct. 1 |
| Daskam, Nathaniel, & David G. Wood | Geneva, N. Y. | Crackers, ship bread, &c. | Oct. 1 |
| | | | Aug. 5 |

| | | | |
|----------------------|-----------------------|--|----------|
| Davis, Samuel | New York, - | Cream, extracting from milk - | Oct. 1 |
| Dunbar, Amasa | Sharon, Ms. - | Crimper, boot - | Feb. 19 |
| Durfee, Samuel | Providence, R. I. - | Door fender - | Oct. 1 |
| Dickinson, David | Chatham, Ct. - | Scouring clothes - | " 1 |
| Eells, Samuel, 2d | Middletown, Ct. - | Boots and shoes, water proof - | April 23 |
| Ewing, John | Worcester, Ms. - | Churn - | Jan. 29 |
| Foster, Abner | Phillipstown, Ms. - | Mortising machine - | April 29 |
| Fahrney, Samuel | Washington, co. Md. - | Sausage stuffing machine - | Feb. 16 |
| Flagg, David, jr. | Gardiner, Me. - | Sawing boards, - | Jan. 19 |
| Fairfield, Josiah | Vassalboro, Me. - | Shingle and scale board machine - | April 28 |
| Freeman, John | Senate, N. Y. - | Washing machine for cleaning cloths and clothes - | Oct. 14 |
| Foote, Alvan | Granville, Ohio - | do do - | Dec. 7 |
| Granger, Moses | Syracuse, N. Y. - | Churn - | July 14 |
| Goodrich, Charles B. | Rutland, Ms. - | Staves, machine for dressing - | May 10 |
| Goodrich, Charles B. | Rutland, Ms. - | Staves, machine for jointing - | May 20 |
| Gates, James M. | Norwich, Ct. - | Washing machine - | May 21 |
| Hanson, David D. | Ware, N. H. - | Felloes, machine for sawing - | Oct. 20 |
| Hinkley, Benjamin | Fayette, Me. - | Veneers, glueing on columns - | Apr. 27 |
| Hnd, Stephen | Montrose, Pa. - | Washing machine, Susquehannah - | May 27 |
| Horton, Eb. | Avon, N. Y. - | Washing machine, improvement on Slater's - | June 17 |
| Kingsbury, Hez. | Hebron, Ct. - | Churning and washing machine - | June 26 |
| King, Sumner | Sullivan, N. Y. - | Horse shoes, manufacturing - | April 1 |
| Kenton, Levi | Philadelphia, Pa. - | Leather, silvering and gilding - | June 21 |
| Kennedy, Samuel | New York - | Mouldings, machine for cutting - | Apr. 10 |
| Kirkpatrick, Andrew | Urbanna, Ohio - | Washing machine - | May 21 |
| Lowe, Jonathan | Vienna, N. Y. - | Bedstead, called the metamorphosic alleviator - | Oct. 25 |
| L'Hommedieu, Ezra | Saybrook, Ct. - | Hammers, spikes, gimlets, &c., machine for shaping - | Apr 28 |
| Lynch, John N. | Dillsburg, Pa. - | Laths, machine for cutting - | Feb. 16 |
| Lowell, Gideon | Nunda, N. Y. - | Washing machine - | Nov. 6 |
| Lester, Eb. - | Killingworth, Ct. - | Washing machine - | Dec. 20 |
| Mudge, Elisha | Genesee co. N. Y. - | Mortising and tenoning machine - | Oct. 1 |

LIST OF PATENTS—COMMON TRADES—Continued.

| NAMES OF PATENTEES | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN IS- SUED. |
|---|--------------------|---|-------------------|
| | | | 1830. |
| Oothondt, John | Lebanon, N. Y. | Churn, oval | Mar. 10 |
| Overman, Benjamin | Greensboro, N. C. | Sawing, mortising, tenoning, boring, and grooving machine | May 27 |
| Pennock, Moses | E Marlborough, Pa. | Boots and shoes, manufacturing | Dec. 14 |
| Parker, Amos | Sweden, Me. | Brick and mortar machine | Mar. 5 |
| Punchard, Thomas H | Boston, Ms. | Crimping boot fronts | May 8 |
| Porter, John C. | Powhatan co., Va. | Brick, moulding, and tempering clay | Dec. 29 |
| Phyfe, Wm. F. | New York | Matresses, hair | Oct. 1 |
| Phelps, Wm. | Salem, Ms. | Spring catch, horizontal, for window blinds | July 7 |
| Phillips, Palmer | Busti, N. Y. | Tubs, manufacturing | May 20 |
| Read, John M. | New York | Cradle or crib | Feb. 27 |
| Robinson, Jacob | Lancaster co. Pa. | Sausage cutter | Feb. 27 |
| Smith, Avery, | Milo, N. Y. | Bedstead for the sick | July 12 |
| Shively, Henry, and R. S. McEwen | Fredericksburg, O. | Churn | Mar. 6 |
| Sowle, George, and Pe- ter Brewer | Blenheim, N. Y. | Churn | Mar. 22 |
| Sutton, William | Geneva, N. Y. | Churn Geneva double dasher | Oct. 1 |
| Sands, Marcellus | Franklin, N. Y. | Mortising and boring machine | Oct. 1 |
| Stearnes, Abner, jr. | Seaghticoke, N. Y. | Staves, machine for heading and dressing | Mar. 22 |
| Smith, Andrew P. | Cornwall, Ct. | Tenons on spokes of wheels, machine for cutting | Nov. 1 |
| Silliman, Samuel | Saybrook, Ct. | Washing machine, vibrating | Feb. 3 |
| Stocking, David | Scott, N. Y. | do do | June 25 |
| Tiffany, Nath. C., and Ebenezer Robison, | Caroline, N. Y. | Churn | Dec. 14 |
| Thompson, Robert | Washington, O. | Ornamenting columns, chairs, ivory, &c. | Oct. 1 |

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|-------------------------|------------------------|---|---------|
| Toms, Daniel - | Auburn, N. Y. - | Staves, machine for sawing - | Mar. 2 |
| Toms, Daniel - | Auburn, N. Y. - | do do do jointing and smoothing - | July 8 |
| Thomas, William - | Pomfret, N. Y. - | do do dressing - | Oct. 7 |
| Thurber, Hez. - | Painted Post, N. Y. - | Washing machine - | Apr. 22 |
| Tenny, Amos T. - | New Woodstock, N. Y. - | do do for cloths and scouring yarn - | Nov. 23 |
| Thompson, Charles - | Poughkeepsie, N. Y. - | Window sashes, machine for making - | Dec. 6 |
| Vassar, Charles - | Poughkeepsie, N. Y. - | Brick, machine for moulding and drying - | Nov. 1 |
| Woolley, William - | New York - | Bedstead, secret - | May 17 |
| Williamson, Peregrine - | Baltimore, Md. - | do cot - | Nov. 11 |
| Waring, Isaac F. - | Columbia township, O - | Churning, art of - | Apr. 10 |
| Ware, Peter N. - | Albemarle, Va. - | Roofs of houses, mode of covering - | Nov. 11 |
| White, Asa - | Templeton, Mass. - | Stamp, post office - | Feb. 27 |
| William, Deninson - | Albany, N. Y. - | Stock, gentlemen's dress, hinge and plain - | Oct. 1 |
| Walker, Enoch - | Woodbourne, Pa. - | Washing machine - | May 29 |
| Yale, Lynus - | Salisbury, N. Y. - | Stone, hewing, drilling, and picking - | Jan. 20 |

COMMON TRADES.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES | RESIDENCE. | WHEN ISSUED. |
|---|------------------------|------------------------|--------------|
| Bedstead, secret - | William Woolley - | New York - | 1830. |
| Do. for the sick - | Avery Smith - | Milo, N. Y. - | May 17 |
| Do. elevating, for the sick - | David Bancroft - | Grafton, Vt. - | July 12 |
| Do. called the Metamorphosic Alleviator - | Jno. Lowe - | Vienna, N. Y. - | Oct. 12 |
| Do. cot - | Peregrine Williamson - | Baltimore, Md. - | Oct. 25 |
| Boots and shoes, water-proof - | Samuel Eells, 2d - | Middletown, Ct. - | Nov. 11 |
| Do. do. instrument for cutting channels for seams - | Jas. Cole - | E. Bloomfield, N. Y. - | Apr. 23 |
| Do. do. manufacturing - | Moses Pennock - | E. Marlborough, Pa. - | Nov. 26 |
| Boxes for hubs of wheels and ships' blocks - | Isaac Cooper - | Baltimore, Md. - | Dec. 14 |
| | | | Jan. 27 |

LIST OF PATENTS—COMMON TRADES—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|---|-------------------------|--------------|
| | | | 1830. |
| Brick and mortar machine - - - - - | Amos Parker - | Sweden, Me. - | Mar. 5 |
| Do. machine - - - - - | Nathaniel Adams - | Cornwall, N. Y. - - | June 22 |
| Do. do. for moulding and drying - - - - - | Charles Vassar - | Poughkeepsie, N. Y. - | Nov. 1 |
| Do. moulding, and tempering clay - - - - - | Jno. C. Porter - | Powhatan county, Va. - | Dec. 29 |
| Butter, machine for manufacturing - - - - - | Asahel Curtiss - | Paris, N. Y. - - | Apr. 20 |
| Churn, cradle - - - - - | Jno. Barber - | Caroline, N. Y. - | Jan. 28 |
| Do. - - - - - | Jno. Ewing - | Worcester, Mass. - | Jan. 29 |
| Do. double revolving - - - - - | Luther Barney and Abel A. Beach - | Groton, N. Y. - | Feb. 5 |
| Do. - - - - - | Henry Shively and R. S. McEwen - | Fredericksburg, O. - | Mar. 6 |
| Do. oval - - - - - | Jno. Oothoudt - | Lebanon, N. Y. - | Mar. 10 |
| Do. - - - - - | Geo. Sowle and Peter Brewer - | Blenheim, N. Y. - | Mar. 22 |
| Do. labor saving - - - - - | Abner Bristol - | Hillsdale, N. Y. - | Apr. 28 |
| Do. - - - - - | Iram Brewster - | Blenheim, N. Y. - | May 28 |
| Do. - - - - - | Moses Granger - | Syracuse, N. Y. - | July 14 |
| Do. Geneva double dasher - - - - - | William Sutton - | Geneva, N. Y. - | Oct. 1 |
| Do. Floating wheel - - - - - | Ebenezer Dewey - | Butternuts, N. Y. - | Oct. 1 |
| Do. - - - - - | Sereno Dickerman & Samuel M. Parsons - | Meriden, Ct. - | Oct. 1 |
| Do. - - - - - | Nath. C. Tiffany and Eben'r Robison, - | Caroline, N. Y. - | Dec. 14 |
| Do. - - - - - | Sam'l Bushnell, 2d - | Saybrook, Ct. - | Dec. 20 |
| Churning, art of - - - - - | Isaac F. Waring - | Columbia township, O. - | Apr. 10 |

| | | | |
|--|--------------------------------------|-----------------------|----------|
| Do. and washing machine | Hez. Kingsberry | Hebron, Ct. | June 26 |
| Do. machine | Philip Cornell | Brutus, N. Y. | Oct. 1 |
| Crackers, biscuit, &c., machine for cutting | James Cooper | Philadelphia, Pa. | Mar. 11 |
| Do. do. do. | Thomas Bladen | Philadelphia, Pa. | Mar. 16 |
| Do. ship bread, &c. | Nathan'l Daskam and David G. Wood | Geneva, N. Y. | Aug. 5 |
| Do. biscuit, pilot bread, &c., machine for cutting | Jos. Clark and Henry Henderson | Baltimore, Md. | Sept. 13 |
| Do. do. &c. | Thomas Bladen | Philadelphia, Pa. | Oct. 1 |
| Cradle or crib | Jno. M. Read | New York | Feb. 27 |
| Cream, extracting from milk | Samuel Davis | New York | Oct. 1 |
| Crimper, boot | Amasa Dunbar | Sharon, Mass. | Feb. 19 |
| Do. do. | Jonah Brewster | Worthington, Mass. | Mar. 23 |
| Crimping boot fronts | Joseph H. Punchard | Boston, Mass. | May 8 |
| Door fender | Samuel Durfee | Providence, R. I. | Oct. 1 |
| Felloes, machine for sawing, | Alvan Colby | Sharon, Vt. | " 15 |
| Do. do. | David D. Hanson | Ware, N. H. | " 20 |
| Hammers, spikes, gimlets, &c., machine for shaping | Ezra L'Hommedieu | Saybrook, Ct. | Apr. 28 |
| Horse shoes, manufacturing | Sumner King | Sullivan, N. Y. | " 1 |
| Key for bedsteads | Judson Blake and Daniel Cushing | Providence, R. I. | Dec. 14 |
| Knife sharpener, domestic | Philip Cornell | Brutus, N. Y. | Jan. 15 |
| Lasts, shoemakers' | Seth Carsley, 2d, | Harrison, Me. | Apr. 2 |
| Laths, machine for cutting | John N. Lynch | Dillsburg, Pa. | Feb. 16 |
| Leather, silvering and gilding | Levi Kenton | Philadelphia, Pa. | June 21 |
| Matresses, hair | William F. Phyfe | New York | Oct. 1 |
| Mortising machine | Abner Foster | Phillipstown, Ms. | Apr. 29 |
| Mortising and tenoning machine | Elisha Mudge | Genesee county, N. Y. | Oct. 1 |
| Mortising and boring machine | Marcellus Sands | Franklin, N. Y. | " 1 |
| Mouldings, machine for cutting | Samuel Kennedy | New York | Apr. 10 |
| Ornamenting columns, chairs, ivory, &c. | Robert Thompson | Washington, O. | Oct. 1 |

LIST OF PATENTS—COMMON TRADES—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN IS- SUED. |
|---|---|---|-------------------|
| | | | 1830. |
| Pill boxes - - - - - | Nathan Crary and Edmund P. Crary | Albany county, N. Y. | Apr. 6 |
| Roofs of houses, mode of covering - - - - - | Peter U. Ware - | Albemarle, Va. - | Nov. 11 |
| Sausage stuffing machine - - - - - | Samuel Fahrney - | Washington co. Md. - | Feb. 16 |
| Sausage cutter - - - - - | Jac. Robinson - | Lancaster co. Pa. - | " 27 |
| Sawing boards - - - - - | David Flagg, jr. - | Gardiner, Me. - | Jan. 19 |
| Sawing clapboards, tipping, &c. - - - - - | Ebenezer Carleton and Solomon Whiting, jr. | Bath, N. H. - | Mar. 25 |
| Sawing, mortising, tenoning, boring, and grooving machine - - - - - | Benjamin Overman - | Greensboro, N. C. - | May 27 |
| Sawing and planing machine - - - - - | Thomas Bloomer - | New York - | Nov. 3 |
| Scouring clothes - - - - - | David Dickinson - | Chatham, Ct. - | Oct. 1 |
| Shingle and scale board machine - - - - - | Josiah Fairfield - | Vassalboro, Me. - | Apr. 28 |
| Spring catch, horizontal, for window blinds - - - - - | William Phelps - | Salem, Ms. - | July 7 |
| Stamp, post office - - - - - | Asa White - | Templeton, Ms. - | Feb. 27 |
| Staves, machine for sawing - - - - - | Daniel Toms - | Auburn, N. Y. - | Mar. 2 |
| Do. do. heading and dressing - - - - - | Abner Stearns, jr. - | Seaghticoke, N. Y. - | " 22 |
| Do. do. dressing - - - - - | Charles B. Goodrich - | Rutland, Ms. - | May 10 |
| Do. do. jointing - - - - - | do. - | do. - | " 20 |
| Do. do. sawing, jointing, and smoothing - - - - - | Daniel Toms - | Auburn, N. Y. - | July 8 |
| Do. do. dressing - - - - - | William Thomas - | Pomfret, N. Y. - | Oct. 7 |
| Staves, hoops, &c., machine for splitting - - - - - | Ziba Bisbee - | E. Bridgewater, Ms. - | June 5 |
| Stock, gentlemen's dress, hinge, and plain - - - - - | Denison Williams - | Albany, N. Y. - | Oct. 1 |
| Stone, hewing, drilling, and picking - - - - - | Lynus Yale - | Salisbury, N. Y. - | Jan. 20 |
| Stone, breaking, and thrashing grain - - - - - | { William H. Bell - { Tim. P. Andrews - | Fortress Monroe, Va. - Washington, D. C. - | } July 9 |

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|---|--|----------------------|---------|
| Tenons on spokes of wheels, machine for cutting | Andrew P. Smith | Cornwall, Ct. | Nov. 1 |
| Tire, bending | Lester Butler and Isaac Hinckley | Cobleskill, N. Y. | Mar. 26 |
| Tubs, manufacturing | Palmer Phillips | Busti, N. Y. | May 20 |
| Vencers, glueing on columns | Benjamin Hinkley | Fayette, Me. | Apr. 27 |
| Do. machine for sawing | Caleb B. Burnap | New York | Dec. 14 |
| Washer, revolving steam | Luther Barney and Abel A. Beach | Groton, N. Y. | Feb. 5 |
| Washer, Columbian | Richd'n P. Clarke | Broad Albin, N. Y. | Apr. 16 |
| Washing machine | William E. Arnold | Haddam, Ct. | Jan. 11 |
| Do. vibrating | Samuel Silliman | Saybrook, Ct. | Feb. 3 |
| Do. | Charles L. Clowes | Union, Va. | " 27 |
| Do. | Hez. Thurber | Painted Post, N. Y. | Apr. 22 |
| Do. | James M. Gates | Norwich, Ct. | May 21 |
| Do. | Andrew Kirkpatrick | Urbanna, O. | " 21 |
| Do. Susquehannah | Enoch Walker | Woodbourn, Pa. | " 29 |
| Do. | Stephen Hinds | Montrose, Pa. | " 29 |
| Do. improvement on Slater's | Rob. C. Arnold | New Haven, Ct. | June 15 |
| Do. | Eb. Horton | Avon, N. Y. | " 17 |
| Do. called the revolving steam washer | David Stocking | Scott, N. Y. | " 25 |
| Do. for cleaning cloth and clothes | John Barnes | Kingston, Pa. | Oct. 11 |
| Do. | John Freeman | Senate, N. Y. | " 14 |
| Do. | Wm. H. Brainard and Chauncey B. Bulkeley | Chatham, Ct. | " 16 |
| Do. for clothes, and scouring yarn | Gideon Lowell | Nunda, N. Y. | Nov. 6 |
| Do. | Amos T. Tenny | New Woodstock, N. Y. | " 23 |
| Do. | Alvan Foote | Granville, O. | Dec. 7 |
| Do. | Eb. Lester | Killingworth, Ct. | " 20 |
| Do. | Samuel Bushnell, 2d, | Saybrook, Ct. | " 20 |
| Window blind fastener, gravitation | James A. Carver | Taunton, Ms. | Feb. 27 |
| Window sashes, machine for making | Charles Thompson | Poughkeepsie, N. Y. | Dec. 6 |

LIST OF PATENTS—WHEEL CARRIAGES.

| NAMES OF PATENTEES | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN IS-SUED. |
|---------------------------------------|------------------------|--|---------------|
| Eastman, Joel, & Guy | | | 1830. |
| C. Rix, - - - | Bath, N. H. - - | Wheels for carriages, - - - - - | Dec. 23 |
| Jones, Samuel - | Bridgeport, Pa. - | Lock wagon, - - - - - | May 4 |
| Ives, Joseph, and Jas. Walters, - - - | Brooklyn, N. Y. - | Springs of carriages, and attaching carriage bodies to them, - | Oct. 6 |
| Miller, Samuel K. - | Elizabethtown, N. J. - | Bands for hubs of wheels, - - - - - | Oct. 7 |
| Stratton, James - | Greenfield, Ms. - | Baggage, securing on post coaches, - - - - - | June 29 |
| Yeckley, John A. - | Perry, N. Y. - | Axletrees for wagons, &c., - - - - - | June 7 |

WHEEL CARRIAGES.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN IS-SUED. |
|--|-----------------------------------|------------------------|---------------|
| | | | 1830. |
| Axletrees for wagons, &c., - - - - - | John A. Yeckley, - | Perry, N. Y. - | June 7 |
| Baggage, securing on post coaches, - - - - - | James Stratton, - | Greenfield, Ms. - | June 29 |
| Bands for hubs of wheels, - - - - - | Samuel H. Miller, - | Elizabethtown, N. J. - | Oct. 7 |
| Lock wagon, - - - - - | Samuel Jones, - | Bridgeport, Pa. - | May 4 |
| Springs of carriages, and attaching carriage bodies to them, - | Joseph Ives, & James Walters, - | Brooklyn, N. Y. - | Oct. 6 |
| Wheels for carriages, - - - - - | Joel Eastman, & Guy C. Rix, - - - | Bath, N. H. - | Dec. 23 |

LIST OF PATENTS—HYDRAULICS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN IS-SUED. |
|-----------------------|-------------------------------|---|---------------|
| Armistead, Thos. B. - | Bloomfield, N. Y. - | Pipes, aqueduct, - - - - - | 1830. |
| Benham, John M. - | Bridgewater, N. Y. - | Aqueducts for conveying water or gas, formed of water-proof lime, (patent of 29th August, 1827, cancelled,) - - - | Apr. 15 |
| Batby, Antoine - | New York, - - - - - | Pumps, - - - - - | Oct. 1 |
| Giraud, John J. - | Baltimore, Md. - - - - - | Fire engine, - - - - - | May 16 |
| Honeywell, Enoch - | Broad Albin, N. Y. - - - - - | Elevator, water - - - - - | Nov. 11 |
| Hale, Ebenezer R. - | Hyde Park, N. Y. - - - - - | Pumps, rotary - - - - - | July 10 |
| McCormick, Robert - | Rockbridge co. Va. - - - - - | Hydraulics, machinery, - - - - - | July 14 |
| Metee, Martin - | Baltimore, Md. - - - - - | Pumps, - - - - - | Oct. 1 |
| Parmelee, Lenmon - | Poughkeepsie, N. Y. - - - - - | Raising water, - - - - - | May 20 |
| Somerby, Theopholis - | Nantucket, Ms. - - - - - | Hydraulics, - - - - - | Oct. 1 |
| Smith, John A. - | Windham, Ct. - - - - - | Pumps, package, - - - - - | Oct. 1 |
| | | | Feb. 3 |

HYDRAULICS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN IS-SUED. |
|---|---------------------|----------------------|---------------|
| | | | 1830. |
| Aqueducts for conveying water or gas, formed of water-proof lime, (patent of 29th August, 1827, cancelled,) - - - | John M. Benham, - | Bridgewater, N. Y. - | Oct. 1 |
| Elevator, water - - - - - | Enoch Honeywell - | Broad Albin, N. Y. - | July 10 |
| Fire engine, - - - - - | John J. Giraud, - | Baltimore, Md. - | Nov. 11 |

LIST OF PATENTS—HYDRAULICS—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN IS- SUED. |
|----------------------------------|-----------------------|-----------------------|-------------------|
| Hydraulics, machinery, - - - - - | Robert McCormick, - | Rockbridge co. Va. - | 1830. Oct. 1 |
| Do. - - - - - | Theopholis Somerby, - | Nantucket, Ms. - | Oct. 1 |
| Pipes, aqueduct - - - - - | Thomas B. Armistead | Bloomfield, N. Y. - | Apr. 15 |
| Pumps, package - - - - - | John A. Smith, - | Windham, Ct. - | Feb. 3 |
| Do. - - - - - | Antoine Batby, - | New York, - | May 18 |
| Do. - - - - - | Martin Metee, - | Baltimore, Md. - | May 20 |
| Do. rotary - - - - - | Eb. R. Hale, - | Hyde Park, N. Y. - | July 14 |
| Raising water. - - - - - | Lenmon Parmelee, - | Poughkeepsie, N. Y. - | Oct. 1 |

CALORIFIC AND STEAM APPARATUS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS AND DISCOVERIES. | WHEN IS- SUED. |
|--|---------------------|---|-------------------|
| Archbald, William A. | New York, - | Sugar, manufacturing from cane juice, - - - | 1830. Apr. 19 |
| Archbald, William A. | New York, - | Sugar, raw or brown, from the juice of the cane, - - - | Apr. 19 |
| Archbald, William A. | New York, - | “ “ “ “ “ or manufac- turing syrup in wooden vessels - - - | Apr. 19 |
| Benedict, Philip - | Lancaster, Pa. - | Stove for stone coal, - - - | Feb. 27 |
| Bettis, Andrew C. and Eli M. Gibbs, - | Norwich, N. Y. - | Stove for cooking, - - - | June 22 |
| Brown, Edward - | Dover, N. H. - | Reflector for lamps, - - - | Oct. 1 |
| Brasier, Amable J. - | Philadelphia, Pa. - | Saccharifying rice and maize, - - - | Oct. 1 |

| | | | |
|---|--------------------|--|----------|
| Brazer, Amable J. | Philadelphia, Pa. | Saccharifying rye and other grain, potatoes, &c. | Oct. 1 |
| Barkley, William | Lebanon, Ky. | Distilling by steam, | May 20 |
| Cross, Asahel | Cazenovia, N. Y. | Furnace, portable cooking | May 12 |
| Child, Ezra | Philadelphia, | Steam engine, rotary, | Oct. 1 |
| Douglass, John C. | New York, - | Boilers, steam engine - | Dec. 17 |
| Dishbrow, Levi | New York, - | Kitchen grate, | Nov. 22 |
| Ennis, Joshua | Brooklyn, N. Y. | Chimneys, ventiduct, topping, | Oct. 1 |
| Ewbank, Thomas | New York, - | Explosion of steam boilers, preventing by detector, | June 8 |
| Eslin, John | Philadelphia, Pa. | Furnace for burning stone coal or charcoal, | June 19 |
| Fisher, Charles F. | York, Pa. - | Distilling, | Apr. 24 |
| Fessenden, Thomas G. | Charlestown, Ms. | Stove, steam and hot water, portable | Dec. 14 |
| Giraud, John J. | Baltimore, Md. | Boilers, steam stoves, chimneys, &c. | Mar. 8 |
| Gallaher, Thomas | Liverpool, Pa. | Distilling, | Dec. 14 |
| Hotchkiss, John G. | Cincinnati, O. | Engine, rotary, propelling | Oct. 1 |
| Haggerty, Wm., Chs. Lawrence, and Tho- mas Fraser | New York - | Furnace, portable cooking | May 22 |
| Hunt, Seth | Syracuse, N. Y. | Purifying salt water | Jan. 23 |
| Jennings, Joseph | New York - | Cooking apparatus | May 14 |
| Jennings, Isaiah | Do - | Lamp for burning tallow and other fatty substances | " 20 |
| Do | Do - | Light, its application to lamps, with or without wicks | Oct. 16 |
| Kennedy, John | Baltimore, Md. | Soap, manufacturing by steam | " 1 |
| Lamson, Daniel | Perrysburgh, N. Y. | Distilling whiskey from corn | " 1 |
| Loughead, Joseph, & J. B. Chapman | Philadelphia, Pa. | Explosion guard, for steamboats | June 11 |
| Lester, Ebenezer | Killingsworth, Ct. | Fire place | " 21 |
| Liebenau, Henry | New York - | Monuments, memento plates, mantel-pieces, casting | Nov. 17 |
| Miller, Ezra L. | Charleston, S. C. | Boilers, vertical | June 21 |
| Mallory, Ogden | Oswego, N. Y. | Steam engine, and feeder for the boiler | Dec. 28 |
| Moore, John | Ackworth, N. H. | Stove, cooking | May 7 |
| Morehouse, Stephen P. | Ludlowville, N. Y. | Lamp for burning lard | April 26 |

LIST OF PATENTS—AGRICULTURE—Continued.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---------------------------------|------------------------|---|--------------|
| | | | 1830. |
| Pierpont, John - | Boston, Mass. - | Fire place, Doric - - - - - | Jan. 8 |
| Potts, Charles - | Philadelphia, Pa. - | Steam engines - - - - - | May 31 |
| Powell, Thomas - | Baltimore, Md. - | Do rotary - - - - - | Oct. 1 |
| Peterson, Lewis & Peter | Pittsburgh, Pa. - | Stove, cooking - - - - - | May 29 |
| Quimby, Aaron B. - | Hagerstown, Md. - | Explosion of steamboat boilers, preventing - - - - - | |
| Roberts, Asher W. - | Hartford, Ct. - | Furnace for tailors - - - - - | May 28 |
| Reeves, Benjamin - | Philadelphia, Pa. - | Steam and other engines - - - - - | Feb. 6 |
| Skinner, Elijah - | Sandwich, N. H. - | Baking iron - - - - - | Oct. 1 |
| Stowell, Abel - | Medford, Mass. - | Do or cooking - - - - - | Dec. 14 |
| Shreve, Henry M. - | Louisville, Ky. - | Boilers, steam - - - - - | April 21 |
| Savage, Anthony - | Pottsville, Pa. - | Stove for anthracite coal - - - - - | June 10 |
| Tompkins, Caleb - | Montgomery, Ala. - | Steam engines, rotary and boiler - - - - - | Nov. 30 |
| Williams, John S. - | Maysville, Ky. - | Boilers for steam engines, mode of supplying with water - - - - - | " 17 |
| Williams, Henry B. - | Baltimore, Md. - | Gasometer - - - - - | June 11 |
| Williams, Samuel, W. - | Elizabethtown, N. J. - | Salt, manufacturing - - - - - | Mar. 29 |
| White, John - | Logan Co. Ky. - | Steam, generating - - - - - | " 29 |
| Zoll, Bernard, and Jas. Doyle - | Baltimore, Md. - | Soap, manufacturing by steam - - - - - | July 19 |

CALORIFIC AND STEAM APPARATUS.

| INVENTIONS OR DISCOVERIES | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|---|----------------------|--------------|
| | | | 1830. |
| Baking iron - - - - - | Elijah Skinner - | Sandwich, N. H. - | Oct. 1 |
| Do or cooking - - - - - | Abel Stowell - | Medford, Mass. - | Dec. 14 |
| Boilers, steam stoves, chimneys, &c. - - - - - | John J. Giraud - | Baltimore, Md. - | Mar. 8 |
| Do do - - - - - | Henry M. Shreve - | Louisville, Ken. - | April 21 |
| Do do vertical - - - - - | Ezra L. Miller - | Charleston, S. C. - | June 21 |
| Do of steam engines, mode of supplying with water - - - - - | John S. Williams - | Maysville, Ken. - | Nov. 17 |
| Do steam engine - - - - - | John C. Douglass - | New York - | Dec. 17 |
| Chimneys, ventiduct, topping - - - - - | Joshua Ennis - | Brooklyn, N. Y. - | Oct. 1 |
| Cooking apparatus - - - - - | Joseph Jennings - | New York - | May 14 |
| Distilling - - - - - | Charles F. Fisher - | York, Pa. - | April 24 |
| Do by steam - - - - - | William Berkley - | Lebanon, Ky. - | May 20 |
| Do whiskey from corn - - - - - | Daniel Lamson - | Perrysburg, N. Y. - | Oct. 1 |
| Do - - - - - | Thomas Gallaher - | Liverpool, Pa. - | Dec. 14 |
| Engine, rotary, propelling - - - - - | John G. Hotchkiss - | Cincinnati, O. - | Oct. 1 |
| Explosion of steam boilers, preventing by the detector - - - - - | Thomas Eubank - | New York - | June 8 |
| Do guard for steamboats - - - - - | Joseph Loughead and J. B. Chapman - | Philadelphia, Pa. - | " 11 |
| Do of steam boilers, preventing - - - - - | Aaron B. Quimby - | Hagerstown, Md. - | Oct. 1 |
| Fire-place, Doric - - - - - | John Pierpont - | Boston, Mass. - | Jan. 8 |
| Do - - - - - | Ebenezer Lester - | Killingsworth, Ct. - | June 21 |
| Furnace, portable cooking - - - - - | Asahel Cross - | Cazenovia, N. Y. - | May 12 |
| Do do do - - - - - | William Haggerty, Charles Lawrence, and Thomas Frazer - | New York - | " 22 |
| Do for burning stone coal or charcoal - - - - - | John Eslin - | Philadelphia, Pa. - | June 19 |

LIST OF PATENTS—CALORIFIC AND STEAM APPARATUS—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|------------------------------|----------------------|--------------|
| | | | 1830. |
| Furnace for tailors | Asher W. Roberts | Hartford, Conn. | May 28 |
| Gasometer | Henry B. Williams | Baltimore, Md. | June 11 |
| Grate, kitchen | Levi Disbrow | New York | Nov. 22 |
| Lamp for burning lard | Steph. P. Moorehouse | Ludlowville, N. Y. | April 26 |
| Do do tallow and other fatty substances | Isaiah Jennings | New York | May 20 |
| Light, producing by a combination of liquids, and its application to lamps with or without wicks | Isaiah Jennings | New York | Oct. 16 |
| Monuments, memento plates, mantel-pieces, casting | Henry Liebenau | New York | Nov. 17 |
| Reflector for lamps | Edward Brown | Dover, N. H. | Oct. 1 |
| Saccharifying rice and maize | Amable J. Brasier | Philadelphia, Pa. | Oct. 1 |
| Do rye and other grain, potatoes, &c. | Amable J. Brasier | do do | " |
| Salt water, purifying | Seth Hunt | Syracuse, N. Y. | Jan. 23 |
| Salt, manufacturing | Samuel W. Williams | Elizabethtown, N. J. | Mar. 29 |
| Soap, manufacturing, by steam | Bernard Zoll and James Doyle | Baltimore, Md. | July 19 |
| Do do do | John Kennedy | do do | Oct. 1 |
| Steam and other engines | Benjamin Reeves | Philadelphia, Pa. | Feb. 6 |
| Do engines | Charles Potts | do do | May 31 |
| Do do rotary | Ezra Child | do do | Oct. 1 |
| Do do do | Thomas Powell | Baltimore, Md. | " 1 |
| Do do do and boiler | Caleb Tompkins | Montgomery, Alab. | Nov. 30 |
| Do do and feeder for the boiler | Ogden Mallory | Oswego, N. Y. | Dec. 28 |
| Do generating | John White | Logan co., Ky. | Mar. 29 |
| Stove for stone coal | Philip Benedict | Lancaster, Pa. | Feb. 27 |
| Do cooking | John Moore | Ackworth, N. H. | May 7 |

| | | | | | | | | | |
|--|---|---|---|---|---|-----------------------------------|--------------------|---|----------|
| Stove, cooking | - | - | - | - | - | Lewis and Peter Peterson | Pittsburg, Pa. | - | " 29 |
| Do for anthracite coal | - | - | - | - | - | Anthony Savage | Pottsville, Pa. | - | June 10 |
| Do cooking | - | - | - | - | - | Andrew C. Bettis and Eli M. Gibbs | Norwich, N. Y. | - | " 22 |
| Do steam and hot water, portable | - | - | - | - | - | Thomas G. Fessenden | Charlestown, Mass. | - | Dec. 14 |
| Sugar, manufacturing from cane juice | - | - | - | - | - | Wm. A. Archbald | New York | - | April 19 |
| Do raw or brown from the juice of the cane | - | - | - | - | - | Wm. A. Archbald | do | - | " 19 |
| Do do do do or manufacturing syrup in wooden vessels | - | - | - | - | - | Wm. A. Archbald | do | - | " 19 |

MILLS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|--|--------------------|--|-------------------|
| Andrews, Anson | Spencer, N. Y. | Dogs, iron, for saw mills | 1830. April 10 |
| Ambler, John, jr. and Daniel C. Ambler | New Berlin, N. Y. | Grist mill, pressure or weighted | Dec. 6 |
| Averill, Henry | Richland, N. Y. | Water wheel for propelling grist mills, &c. | Oct. 21 |
| Baldwin, David | Queensbury, N. Y. | Friction rollers | Oct. 1 |
| Boynton, Paul | Ogdensburgh, N. Y. | Water wheel | April 20 |
| Culver, Benjamin | Glastenbury, Ct. | Flour, vibrating machine for separating | Oct. 6 |
| Cross, Arch. and Ezra Brown | Cazenovia, N. Y. | Grinding flax seed, paint, &c. | Feb. 4 |
| Coleman, William | Euclid, O. | Grist mill, improvement on Haskins' | Feb. 25 |
| Cooper, James | Augusta co., Va. | Propelling machinery by animal power | April 12 |
| Fyler, Barton N. | Bradford, Vt. | Grinding grain, hulling cotton seed, rubbing down whet stones, &c. | April 15 |
| Griswold, Ephraim | Truxton, N. Y. | Grist mill | Oct. 16 |

LIST OF PATENTS—MILLS—Continued.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|--|-------------------------|--|--------------|
| | | | 1830. |
| Gentry, Joseph C. - | Philadelphia, Pa. - | Power portable machine for conveying animal to machinery - | Dec. 14 |
| Hurd, Merritt - | Augusta, N. Y. - | Bark mill - - - - - | Feb. 1 |
| Henderson, John W. and John E. Cayford | Milbourne, Me. - | Water wheel, re-acting - - - - - | April 14 |
| Johnson, James - | Fairbanks town'p, In. - | Water wheel - - - - - | Oct. 1 |
| Langford, Charles - | Claridon, O - | Grist mill - - - - - | July 8 |
| Mobley, Eli - | Fredericktown, Md. - | Saw mill - - - - - | June 5 |
| Newsom, Thomas G. and James C. Schule | Nashville, Tenn. - | Propelling machinery by animal power - - - - - | Dec. 14 |
| Newton, Joseph - | Sweden, N. Y. - | Saw mill machinery - - - - - | Oct. 1 |
| Pierce, Joshua, Joseph Whitley, and Aaron S. Whitley | Candor, N. Y. - | Dogs, iron, for saw mills - - - - - | April 13 |
| Parmerlie, David - | Reading, Ct. - | Grinding apples, corn, bark, &c. - - - - - | Mar. 4 |
| Porter, Aaron - | New London, Ind. - | Grist mill - - - - - | " 10 |
| Poiteaux, Michael B. - | Richmond, Va. - | Machinery for mills - - - - - | May 20 |
| Prim, William - | Lebanon, Pa. - | Saw and grist mill - - - - - | Oct. 6 |
| Pritchard, E. B. - | Scriven co. Ga. - | Water, applying to flutter wheels - - - - - | May 31 |
| Rich, Martin - | Candor, N. Y. - | Dogs, iron, for saw mills - - - - - | Feb. 19 |
| Rich, Martin - | Candor, N. Y. - | Do do do - - - - - | April 13 |
| Smith, Jesse C. - | Wheeling, Va. - | Grist mill - - - - - | Jan. 9 |
| Sawyer, Augustus - | Hopewell, N. Y. - | Machinery for mills, thrashing machines, &c. - - - - - | Oct. 1 |
| Thompson, Jonathan - | Ashtabula, Ohio - | Flouring mill - - - - - | July 7 |
| Wilson, Increase - | New London, Ct. - | Grist mill - - - - - | Feb. 23 |
| Wheeler, John R. - | Pittsford, N. Y. - | Water wheel - - - - - | Mar. 15 |

| | | | | | | | | | | | | | | | | | | | |
|----------------|---|-----------------|---|----|----|-------------------------|---|---|---|---|---|---|---|---|---|---|---|------|----|
| Willson, Clark | - | Swanzey, N. H. | - | do | do | - | - | - | - | - | - | - | - | - | - | - | - | Oct. | 1 |
| Wing, Calvin | - | Gardiner, Maine | - | do | do | and in casting the same | - | - | - | - | - | - | - | - | - | - | - | " | 22 |
| Wing, Calvin | - | Gardiner, Me. | - | do | do | re-acting | - | - | - | - | - | - | - | - | - | - | - | " | 22 |

MILLS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|--|------------------------|--------------|
| | | | 1830. |
| Power, portable machine for conveying animal to machinery | Joseph C. Gentry | Philadelphia, Pa. | Dec. 14 |
| Propelling machinery by animal power | James Cooper | Augusta co. Va. | Apr. 12 |
| Propelling machinery | Thomas D. Newsom and James C. Shule | Nashville, Tenn. | Dec. 14 |
| Saw mill | Eli Mobley | Fredericktown, Md. | June 5 |
| Do machinery | Joseph Newton | Sweden, N. Y. | Oct. 1 |
| Saw and grist mill | William Prim | Lebanon, Pa. | " 6 |
| Water applying to flutter wheels | E. B. Pritchard | Scriven co. Ga. | May 31 |
| Water wheel | John R. Wheeler | Pittsford, N. Y. | Mar. 15 |
| Do do re-acting | John W. Henderson & John E. Cayford | Milburn, Me. | Apr. 14 |
| Do do | Paul Boynton | Ogdensburg, N. Y. | " 20 |
| Do do | James Johnson | Fairbankstownship, In. | Oct. 1 |
| Do do for propelling grist mills, &c. | Clark Wilison | Swanzey, N. H. | " 1 |
| Do do and in casting the same | Henry Averill | Richland, N. Y. | " 21 |
| Do do re-acting | Calving Wing | Gardiner, Me. | " 22 |
| Bark mill | Do | Do | " 22 |
| Dogs, iron, for saw mills | Merrit Hurd | Augusta, N. Y. | Feb. 1 |
| Do do | Martin Rich | Candor, N. Y. | " 19 |
| | Anson Andrews | Spencer, N. Y. | Apr. 10 |

LIST OF PATENTS--MILLS--Continued

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|---|-------------------|--------------|
| Dogs, iron, for saw mills | Joshua Pierce, Joseph Whitley and Aaron S. Whitley, | Candor N. Y. | 1830. |
| Do do | Martin Rich, | Do | April 13 |
| Flour, power vibrating machine for separating | Benjamin Calver | Glastonbury, Ct. | Oct. 6 |
| Flouring mill | Jonathan Thompson | Ashtabula, Ohio | July 7 |
| Friction rollers | David Baldwin | Queensbury, N. Y. | Oct. 1 |
| Grinding flax seed, paint, &c. | Archibald Cross and Ezra Brown | Cazenovia, N. Y. | Feb. 4 |
| Do apples, corn, bark, &c. | David Parmalee | Reading, Ct. | Mar. 4 |
| Do grain, hulling cotton seed, rubbing down whetstones, &c. | Barton N. Fyler | Bradford, Vt | Apr. 15 |
| Grist mill | Jesse C. Smith | Wheeling, Va. | Jan. 9 |
| Do | Increase Wilson | New London, Ct. | Feb. 23 |
| Do improvement on Haskins' | William Coleman | Euclid, Ohio | " 25 |
| Do | Aaron Porter | New London, In. | Mar. 10 |
| Do | Charles Langford | Claridon, Ohio | July 8 |
| Do | Ephraim Griswold | Truxton, N. Y. | Oct. 16 |
| Do pressure or weighted | John Ambler, jr. & Daniel C. Ambler | New Berlin, N. Y. | Dec. 6 |
| Machinery for mills, thrashing machines, &c. | Augustus Sawyer | Hopewell, N. Y. | Oct. 1 |
| Do do | Michael B. Poiteaux | Richmond, Va. | May 20 |

SCREW AND LEVER POWER.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN IS- SUED. |
|--------------------------------------|----------------------|--|-------------------|
| | | | 1830. |
| Adams, Isaac - | Boston, Ms. - | Printing press power - - - - | Oct. 4 |
| Carson, James - | Raleigh, N. C. - | Cotton press - - - - | Nov. 4 |
| Carpenter, John B. - | Henderson, N. Y. - | Lever press, tackle windlass - - - - | Jan. 30 |
| Dennison, Lester E. - | Saybrook, Ct. - | Pressing machine - - - - | Oct. 1 |
| Fairlamb, Samuel - | New York - | Inking forms of types or letters - - - - | " 25 |
| Grater, Geo. W. - | Boston, Ms. - | Lever and pulley power applied to a standing press - - - - | " 1 |
| Grover, Hosea H. - | Springwater, N. Y. - | Scale, compound lever and self weighing - - - - | Dec. 17 |
| Klauberger, Daniel - | New York - | Spring scale - - - - | June 12 |
| Morris, Benjamin - | Binghampton, N. Y. - | Lever press - - - - | Feb. 2 |
| Norton, Myron - | Goshen, Ct. - | Cheese pressing machine - - - - | Oct. 13 |
| Prince, John - | New York - | Ink distributor, self-moving - - - - | Apr. 23 |
| Palmer, Gideon - | Montville, Ct. - | Oil, tobacco, and cotton press - - - - | Dec. 14 |
| Sharman, Hazard - | Scriba, N. Y. - | Lever press - - - - | Nov. 1 |
| Talcott, Jared G. - | Glastenbury, Ct. - | Brick press - - - - | Oct. 1 |
| Willard, Julius - | Baltimore, Md. - | Brick press bridle - - - - | June 10 |
| Webb, Reynold, and Jonathan Cox - | Madison, Ct. - | Cheese press - - - - | Feb. 27 |
| Wood, Richard - | New York - | Inking apparatus of Neal's printing press - - - - | Nov. 4 |
| Wood, George - | Vernon, Ind. - | Lever power, projectile - - - - | June 9 |

LIST OF PATENTS—SCREW AND LEVER POWER—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN IS- SUED. |
|---|-------------------------------------|----------------------|-------------------|
| | | | 1830. |
| Brick press bridle - - - - - | Julius Willard - | Baltimore, Md. - | June 10 |
| Do do - - - - - | Jared G. Talcott - | Glastenbury, Ct - | Oct. 1 |
| Cheese press - - - - - | Reynold Webb, and Jonathan Cox - | Madison, Ct. - | Feb. 27 |
| Cheese pressing machine - - - - - | Myron Norton - | Goshen, Ct - | Oct. 13 |
| Cotton press - - - - - | James Carson - | Raleigh, N. C. - | Nov. 4 |
| Ink distributor, self-moving - - - - - | John Prince - | New York - | Apr. 23 |
| Inking forms of types or letters - - - - - | Samuel Fairland - | do - | Oct. 25 |
| Do apparatus of Neal's printing press - - - - - | Richard Wood - | do - | Nov. 4 |
| Lever press, tackle, windlass - - - - - | John B. Carpenter - | Henderson, N. Y. - | Jan. 30 |
| Do do - - - - - | Benjamin Morris - | Binghampton, N. Y. - | Feb. 2 |
| Do do - - - - - | Hazard Sharman - | Scriba, N. Y. - | Nov. 1 |
| Do power, projectile - - - - - | George Wood - | Vernon, Ind. - | June 9 |
| Do and pulley power applied to a standing press - - - - - | George W. Grater - | Boston, Mass. - | Oct. 1 |
| Oil, tobacco, and cotton press - - - - - | Gideon Palmer - | Montville, Ct. - | Dec. 14 |
| Pressing machine - - - - - | Lesser E. Dennison - | Saybrook, Ct. - | Oct. 1 |
| Printing press power - - - - - | Isaac Adams - | Boston, Mass. - | " 4 |
| Scale spring - - - - - | Daniel Klauberg - | New York - | June 12 |
| Do compound lever and self-weighing - - - - - | Hosea H. Grover - | Springwater, N. Y. - | Dec. 17 |

LIST OF PATENTS—ARMS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN IS- SUED. |
|---------------------|---------------------|--|-------------------|
| Bell, Wm. H. | Norfolk, Va. | Locks, percussion, and vent for cannon | 1830. |
| Carleton, Michael | Haverhill, N. H. | Locks, percussion | Oct. 1 |
| Forker, Samuel | Meadville, Pa. | Locks, percussion | Dec. 23 |
| Newbury, Joel | Poughkeepsie, N. Y. | Locks, percussion, concealed | Feb. 13 |
| | | | Apr. 27 |

ARMS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN IS- SUED. |
|----------------------------|---------------------|---------------------|-------------------|
| Locks, percussion | Samuel Forker | Meadville, Pa. | 1830. |
| Do do concealed | Joel Newbury | Poughkeepsie, N. Y. | Feb. 13 |
| Do do and vent for cannon | Wm. H. Bell | Norfolk, Va. | Apr. 27 |
| Do do | Michael Carleton | Haverhill, N. H. | Oct. 1 |
| | | | Dec. 23 |

LIST OF PATENTS—MATHEMATICAL INSTRUMENTS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN IS SUED. |
|---------------------|-----------------|--|------------------|
| Pool, John - | Easton, Mass. - | Protractor and tablet, geometrical - - - | 1830. June 16 |
| Smith, Moses - | New York - | Compass needle, marine and surveying - - | June 15 |
| Spear, Phineas - | Portland, Me. - | Quadrant and sextant - - | Mar. 19 |

MATHEMATICAL INSTRUMENTS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN IS SUED. |
|--|---------------------|-----------------|------------------|
| Compass needle, marine and surveying - - - | Moses Smith - | New York - | 1830. June 15 |
| Protractor and tablet, geometrical - - - | John Pool, jr. - | Easton, Mass. - | June 16 |
| Quadrant and sextant - - - | Phineas Spear - | Portland, Me. - | Mar. 19 |

CHEMICAL COMPOSITIONS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|--|-----------------------|--|------------------------------|
| Barnitz, Charles A. - | Spring Garden, Pa. - | Oil, manufacturing from the sunflower | 1830. |
| Browne, William - | New York - | Tanning leather | Oct. 20 |
| Cannon, Morris - | New Orleans - | Ague and fever specific | Nov. 11 |
| Cooper, Peter - | New York - | Glue, manufacturing | Oct. 1 |
| De Rivafinoli, Vincent | London, England | Gold ores and alluvial soils, machine for washing | April 29 |
| Harsleben, Charles, and William Davis - | Great Britain | | Nov. 1 |
| Jones, Daniel - | Granville, N. C. - | | Gold, separating from earths |
| King, Roswell - | McIntosh, Geo. - | Gold, separating by a vibrating circular cylindrical trough | Oct. 1 |
| Do. - | do. - | Gold washer, vertical cylindrical | " 1 |
| Ott, George - | Norfolk, Va. - | Soda water apparatus | June 18 |
| Perkins, Elisha - | Baltimore, Md. - | Blister plaster | Jan. 15 |
| Pendergast, John G. - | Palmyra, N. Y. - | Oil and spirits of turpentine, preparing for paint | July 9 |
| Palmer, Gideon - | Montville, Pa. - | Oil, extracting from cotton seed | Dec. 14 |
| Seybert, Henry, and Lardner Vanuxem - | Philadelphia, Pa. - | Acids, margaric, stearic, and oleic, decomposed by caustic lime | Aug. 16 |
| Smith, Isaac W. - | Lockport, N. Y. - | Catholicon, chemical | May 28 |
| Summey, Peter - | Lincoln, N. C. - | Gold, washing from gravel and sand | Jan. 30 |
| Sumter, Thomas W. A. - | Poplar Grove, N. C. - | Gold, washing and separating alluvial | May 22 |
| Shopherd, Nathan - | Belmont county, O. - | Ointment, improvement on Judkins' | July 9 |
| Sanno, Frederick D. - | Philadelphia, Pa. - | Gold, separating from earths | Dec. 24 |
| Whistler, Samuel C., and James Smith - | Rockingham co. Va. - | Gold, separating and grinding | Jan. 15 |
| Williams, Thomas - | Rochester, N. Y. - | Hides, scraping flesh and hair from them in the process of tanning | Nov 4 |

LIST OF PATENTS—CHEMICAL COMPOSITIONS—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|--|----------------------|------------------|
| Acids, margaric, stearic, and oleic, decomposed by caustic lime | Henry Seybert and Lardner Vanuxem - | Philadelphia, Pa. - | 1830. Aug. 16 |
| Ague and fever specific - - - - - | Morris Cannon - | New Orleans - | Oct. 1 |
| Blister plaister - - - - - | Elisha Perkins - | Baltimore, Md. - | Jan. 15 |
| Catholicon, chemical - - - - - | Isaac W. Smith - | Lockport, N. Y. - | May 28 |
| Glue, manufacturing - - - - - | Peter Cooper - | New York - | Apr. 29 |
| Gold, separating and grinding - - - - - | Samuel Whisler and James Smith - | Rockingham co. Va. - | Jan. 15 |
| Gold, washing from gravel and sand - - - - - | Peter Summey - | Lincoln, N. C. - | " 30 |
| washing and separating alluvial - - - - - | Thomas W. A. Sumter | Poplar Grove, N. C. | May 22 |
| separating by a vibrating circular cylindrical trough | Roswell King - | McIntosh co. Geo. - | Oct. 1 |
| washer, vertical cylindrical - - - - - | do. | do. do. | " 1 |
| Gold ores and alluvial soils, machine for washing - | Vincent de Rivafinoli Charles Harsleben, and William Davis | London, England | Nov. 1 |
| Gold, separating from earths - - - - - | Daniel Jones - | Great Britain | " 3 |
| Do. do. do. - - - - - | Fred. D. Sanno - | Granville, N. C. - | " 3 |
| Hides, scraping flesh and hair from them in the process of tanning | Thomas Williams - | Philadelphia, Pa. - | Dec. 24 |
| Ointment, improvement on Judkins' - - - - - | Nathan Shepherd - | Rochester, N. Y. - | Nov. 4 |
| Oil and spirits of turpentine, preparing for paint - - - - - | John G. Pendergast | Belmont county, O. - | July 9 |
| Oil, manufacturing from the sunflower - - - - - | Charles A. Barnitz - | Palmyra, N. Y. - | July 9 |
| Oil, extracting from cotton seed - - - - - | Gideon Palmer - | Spring Garden, Pa. - | Oct. 20 |
| Soda water apparatus - - - - - | George Ott - | Montville, Pa. - | Dec. 14 |
| Tanning leather - - - - - | William Browne - | Norfolk, Va. - | June 18 |
| | | New York - | Nov. 11 |

FINE ARTS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---|---------------------|---|--------------|
| Bruce, George - | New York - | Music types, by combining printers' types - - - | 1830. |
| Babcock, Alpheus - | Philadelphia, Pa. - | Piano forte, cross stringing - - - | Nov. 27 |
| Couillard, Samuel, jr. - | Boston, Ms. - | Plates, punched, etched, or engraved, wiping and polishing their exterior surface - - - | May 24 |
| Gould, Marcus T. C. - | Philadelphia, Pa. - | Pen fountain, self supplying - - - | Oct. 9 |
| Hara, John O., assignee of John L. Dagg - | Philadelphia, Pa. - | Calendars - - - | May 4 |
| Hyde, Douglas - | Reading, Pa. - | Pen fountain - - - | " 20 |
| Sackmeister, Charles P. - | New York - | Piano forte - - - | " 17 |
| Scabury, Charles S. - | do. - | do. do. - - - | " 20 |
| Thompson, Jesse - | do. - | do. do. upright - - - | Oct. 1 |
| Varlé, Charles - | Baltimore, Md. - | Instructor, self - - - | May 20 |

LIST OF PATENTS—FINE ARTS—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|--------------------------|---------------------|--------------|
| Calendars - - - - - | John O. Hara, assignee | | 1830. |
| Instructor, self - - - - - | of John L. Dagg - | Philadelphia, Pa. - | May 4 |
| Music types, by combining printers' types - - - - - | Charles Varlé - | Baltimore, Md. - | " 20 |
| Pen fountain - - - - - | George Bruce - | New York - | Nov. 27 |
| do. self supplying - - - - - | Douglas Hyde - | Reading, Pa. - | May 20 |
| Piano forte - - - - - | Marcus T. C. Gould - | Philadelphia, Pa. - | Oct. 1 |
| do. - - - - - | Charles S. Sackmeister - | New York - | May 17 |
| do. cross stringing - - - - - | Charles P. Seabury - | do. - | " 20 |
| do. upright - - - - - | Alpheus Babcock - | Philadelphia, Pa. - | " 24 |
| Plates, punched, etched, or engraved, wiping and polishing their exterior surfaces - - - - - | Jesse Thompson - | New York - | Oct. 1 |
| | Samuel Couillard, jr. - | Boston, Ms. - | * Oct. 9 |

HOROLOGY.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---------------------|-----------------|---|------------------|
| Bogardus, James | New York | Clocks | 1830. |
| Bakewell, John P. | Pittsburg, Pa. | Wheels, glass, for clocks | Mar. 2 |
| Custer, Jacob D. | Norristown, Pa. | Clocks | Oct. 1 |
| Gould, Abijah | Henrietta | Clocks | Nov. 24 |
| Terry, Silas B. | Plymouth, Ct. | Springs, combined spiral, applied to clocks | Oct. 1 Nov. 3 |

HOROLOGY.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|---------------------|------------------|---------------|
| Clocks | James Bogardus | New York | 1830. |
| Do. | Abijah Gould | Henrietta, N. Y. | Mar. 2 |
| Do. | Jacob D. Custer | Norristown, Pa. | Oct. 1 |
| Spring, combined spiral, applied to clocks | Silas B. Terry | Plymouth, Ct. | Nov. 24 |
| Wheels, glass, for clocks | John P. Bakewell | Pittsburg, Pa. | " 3 Oct. 1 |

LIST OF PATENTS—SURGERY—Continued.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|------------------------|----------------------|--|-----------------------------|
| Blake, Elihu - | New York - | Milk, apparatus for drawing from breasts of women - | 1830. |
| Heintzelman, John J. - | Philadelphia, Pa. - | Truss, spiral spring - | Apr. 24 |
| Hull, Amos G. - | New York - | Truss, (patents of 17th July, 1817, 27th February, 1823, 19th August, 1824, and 28th October, 1829, cancelled, and patent re-issued December 20, 1830) - | Feb. 16 1817. July 17 |
| Knight, James - | Baltimore, Md. - | Truss - | 1830. |
| Marsh, Seymour - | Canajoharie, N. Y. - | do. - | Dec. 14 |
| Twitchell, Gershom - | Leominster, Ms. - | do. elastic - | Mar. 29 Dec. 20 |

SURGERY.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|-----------------------|----------------------|-----------------------------|
| Milk, apparatus for drawing from breasts of women - | Elihu Blake - | New York - | 1830. |
| Truss, spiral spring - | John J. Heintzelman - | Philadelphia, Pa. - | Apr. 24 |
| Do. - | Seymour Marsh - | Canajoharie, N. Y. - | Feb. 16 |
| Do. - | James Knight - | Baltimore, Md. - | Mar. 29 |
| Do. (patents of 17th July, 1817, 27th February, 1823, 19th August, 1824, and 28th October, 1829, cancelled, and patent re-issued December 20th, 1830) - | Amos G. Hull - | New York - | Dec. 14 1817. July 17 |
| Do. elastic - | Gershom Twitchell - | Leominster, Ms. - | 1830. Dec. 20 |

[Doc. No. 49.]

The following abstract exhibits the number of Patents sent to each State.

| | | | |
|----------------------|-----|----------------------------|---------------------|
| Maine - - - | 15 | Tennessee - - - | 3 |
| New Hampshire - - - | 14 | Ohio - - - | 19 |
| Massachusetts - - - | 46 | Louisiana - - - | 2 |
| Rhode Island - - - | 14 | Indiana - - - | 6 |
| Connecticut - - - | 52 | Mississippi - - - | 1 |
| Vermont - - - | 5 | Alabama - - - | 1 |
| New York - - - | 190 | Illinois - - - | 0 |
| New Jersey - - - | 8 | Missouri - - - | 0 |
| Pennsylvania - - - | 88 | Arkansas Territory - - - | 0 |
| Delaware - - - | 3 | Michigan Territory - - - | 1 |
| Maryland - - - | 24 | Florida Territory - - - | 0 |
| Virginia - - - | 26 | District of Columbia - - - | 3 |
| North Carolina - - - | 6 | Great Britain - - - | 2 |
| South Carolina - - - | 6 | | |
| Georgia - - - | 3 | | |
| Kentucky - - - | 6 | | |
| | | Total | <u>544 patents.</u> |



PATENTS GRANTED IN 1831.

—
LETTER

FROM

THE SECRETARY OF STATE,

TRANSMITTING

*A list of the names of Persons to whom Patents have been granted, for
New Inventions, during the year 1831.*

—
JANUARY 5, 1832.

Read, and laid upon the table.

—
DEPARTMENT OF STATE,

January 3, 1832.

SIR: In pursuance of the resolutions of the House of Representatives of the United States, dated the 13th of January, 1812, and the 2d of April, 1830, I have the honor of transmitting a list of the names of persons who have invented any new or useful art or machine, manufacture, or composition of matter, or any improvement thereon, and to whom patents have been issued for the same from this office, from the 1st day of January, 1831, to the 1st day of January, 1832, with the dates and general objects of such patents; and also the residence of the patentees, as far as they could be ascertained.

I have the honor to be,

With great consideration,

Your very obedient servant,

EDW. LIVINGSTON.

The Hon. the SPEAKER of the Ho. of Reps. U. S.

LIST OF PATENTS GRANTED BY THE UNITED STATES IN 1831.

AGRICULTURE.

432

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|--|-----------------------|--------------|
| Apples, machine for gathering and cleansing | Elias Wells | Duxbury, Vt. | Dec. 6, 1831 |
| Axes, manufacturing | Erastus Shaw and R. H. Burk | Canton, Ct. | Nov. 3, do |
| Beehive, and management of bees | Philip Munch | Putnam, O. | July 27, do |
| Do do | Abijah Alley | Cincinnati, O. | Aug. 26, do |
| Do do | Eben Britton | Little Falls, N. Y. | Sept. 9, do |
| Beef, or cold slaw, machine for shaving or cutting | Henry Bangs | New York | April 28, do |
| Bolt, for separating clover chaff from straw | John Bolton | Harrisburg, Pa. | July 28, do |
| Broom corn, machine for scraping | Billy J. Billings and John S. Billings | Gorham, N. Y. | Oct. 15, do |
| Cheese, netting for forming pine apple | William Starr | Norway, N. Y. | Dec. 27, do |
| Cider mill, rotary cylinder | Silas Freeman, jr. | New Marlborough, Ms. | Mar. 14, do |
| Clover seed, machine for hulling and cleaning | Samuel White | Chambersburg, Pa. | Aug. 10, do |
| Do do do do | William Williams | Buckingham tow'p, Pa. | Aug. 12, do |
| Do do do | Peirson Reading | Trenton, N. J. | Oct. 25, do |
| Do do (called "The Farmer's Delight") | Alex'r Matthews | Island Creek, O. | Dec. 13, do |
| Corn shelling machine | Jabez Parker and Hiram M. Smith | Richmond, Va. | April 9, do |
| Do do | Joel Barnes and Nelson T. Lecomis | Cornwall, Ct. | April 13, do |
| Do do and family mill | Ezra Bond | Mendon, N. Y. | June 13, do |
| Do do (Patent of April, 1828, cancelled on account of a defective specification) | William Hoyt | Vernon, Inda. | June 13, do |

| | | | | |
|--|--|-----------------------|-----------|----|
| Cornshelling machine | David Hitchcock | New York | June 13, | do |
| Do and cleaning machine | Jesse Reed | Marshfield, Mass. | Sept. 1, | do |
| Cottongin frame, in whole or in part of cast iron | Eben. A. Lester | Boston, Mass. | Jan. 8, | do |
| Do cultivating machine, called the scraper and harrow | William P. Sample | Bedford co. Tenn. | Sept. 3, | do |
| Flax and hemp, machine for breaking and dressing | Lafayette Tibbitts | New Glasgow, Va. | Oct. 22, | do |
| Forks, steel spring | Charles Goodyear | Philadelphia, Pa. | Sept. 7, | do |
| Grain, rice, &c., separating from straw, and cutting straw | Abel Look | Pittsfield, Mass. | June 13, | do |
| Do machine for cleaning from dirt | Thomas Reese | Baltimore, Md. | July 20, | do |
| Grass and grain, machine for cutting | William Manning | Plainfield, N. J. | May 3, | do |
| Harrow, revolving | Samuel Rugg | Lancaster, Mass. | Jan. 11, | do |
| Hemp, machine for breaking | William Greathouse | Mason co., Ky. | July 30, | do |
| Do do | William Stone, jr. | Williamson co., Tenn. | Sept. 8, | do |
| Planting onion seed, beans, corn, &c. | P. Smith and Theod. H. Arnold | Haddam, Ct. | Jan. 20, | do |
| Planting corn and other seed | Henry Todd | Pembroke, N. H. | Oct. 1, | do |
| Plants, insects, &c., mode of destroying them | Jos. Nicolas | Lafourche, La. | June 13, | do |
| Plough, barshear | Edm'd M. Waggenet | Adair co., Ky. | Jan. 12, | do |
| Do | John Anthony | Zanesville, O. | Feb. 1, | do |
| Do | Timothy Miller | Pittsburg, Pa. | Feb. 15, | do |
| Do hill side | Cyrus H. McCormick | Rockbridge co., Va. | June 13, | do |
| Do double | Albert Peebles | Henry co., Geo. | July 20, | do |
| Do | Barnabas Thacker, jr. | Barnstable, Mass. | Do | do |
| Do corn | Nath. Etheridge, Geo. Heath, & I. G. Glynn | Little Falls, N. Y. | July 23, | do |
| Do | William Savage and Hez. Davidson | Horse Well, Ky. | Aug. 24, | do |
| Do | William Black | Ann Arundel co., Md. | Oct. 4, | do |
| Do | John Carothers | Shirleysburg, Pa. | Dec. 10, | do |
| Do | John Deats | Roxbury, N. J. | Dec. 28, | do |
| Rake, horse | William Phillips | New Brunswick, N. J. | Aug. 15, | do |
| Smut machine | Levi Hayward | Phelps, N. Y. | April 12, | do |

LIST OF PATENTS—AGRICULTURE—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|---|-----------------------|--------------|
| Thrashing machine - - - - - | Isaac Norton - | Schuylersville, N. Y. | Jan. 6, 1831 |
| Do and dressing flax - - - - - | Stephen J. Gold - | Cornwall, Ct. | Jan. 11, do |
| Do - - - - - | Samuel Turner - | Aurelius, N. Y. | Jan. 11, do |
| Do - - - - - | William Emmons - | New York - | Feb. 7, do |
| Do - - - - - | Truman Fox and W G. Borland - | Little Falls, N. Y. - | Feb. 8, do |
| Do - - - - - | John Harman, jr. - | Upper Wakefield, Pa. | Feb. 11, do |
| Do and shelling corn - - - - - | Jacob Hetzel and Jesse Bevier - | Ithaca, N. Y. - | Feb. 14, do |
| Do - - - - - | Joseph C. Gentry - | Philadelphla, Pa. - | Mar. 7, do |
| Do improvement on Douglass's float and tooth - - - - - | Fayette Cross - | Sweden, N. Y. - | Mar. 8, do |
| Do - - - - - | Abram W. Summers Gideon Cande and Jos. Tousey - | Gates, N. Y. - | Mar. 21, do |
| Do and cleaning wheat and other grain | Samuel Lane - | Rochester, N. Y. - | April 1, do |
| Do - - - - - | William B. Marks - | Hallowell, Me. - | April 6, do |
| Do - - - - - | Newton C. Munroe - | Petersburg, Va. - | April 8, do |
| Do - - - - - | William J. Wood - | Windham, N. Y. - | April 14, do |
| Do - - - - - | Andrew Richison - | Rochester, N. Y. - | April 19, do |
| Do - - - - - | Andrew Richison - | New Carlisle, O. - | April 22, do |
| Do hulling clover seed, and mashing and grinding grain - - - - - | Oliver Dean, jr. and Jos Woodhull - | Caledonia, N. Y. - | April 25, do |
| Do - - - - - | Joshua S. West - | Portland, N. Y. - | April 26, do |
| Do shelling corn and grinding apples - | Alonzo L. Smith - | Weed's Port, N. Y. | April 27, do |
| Do - - - - - | Edmund Warren - | New York - | April 28, do |
| Do cylinder and concave - - - - - | William E. Osborn - | Brighton, N. Y. - | April 30, do |

| | | | | | | | | | | | |
|-------------------------|--|---|---|---|----------------------|---|------------------------|---|-------|-----|----|
| Do | - | - | - | - | Samuel Fahrney | - | Boonsboro' Md. | - | May | 9, | do |
| Do | - | - | - | - | Rinaldo P. Gillet | - | Victor, N. Y. | - | June | 13, | do |
| Do | - | - | - | - | Isaac Van Doren | - | Hopewell town'p, N. J. | - | June | 13, | do |
| Do | - | - | - | - | John Vosburgh | - | Kinderhook, N. Y. | - | July | 20, | do |
| Do | - | - | - | - | Ira Crawford | - | Sweden, N. Y. | - | July | 20, | do |
| Do | - | - | - | - | Philip Harrington | - | Petersburg, Va. | - | July | 20, | do |
| Do | - | - | - | - | Junis B. Palmer | - | Baltimore, Md. | - | July | 20, | do |
| Do | together with the application of horse | | | | | | | | | | |
| | power for operating said machine | | | | Nehemiah P. Stanton | | Syracuse, N. Y. | | July | 21, | do |
| Do | - | - | - | - | Benj. Balch and Luke | | | | | | |
| | | | | | Webster | - | Sweden, N. Y. | - | July | 22, | do |
| Do | - | - | - | - | Jacob Redifer | - | Philadelphia, Pa. | - | July | 25, | do |
| Do | for rice, &c. | - | - | - | Samuel Rogers | - | Ashville, N. C. | - | July | 25, | do |
| Do | - | - | - | - | Benj. Maltby | - | Gates, N. Y. | - | July | 30, | do |
| Do | - | - | - | - | Thos. Carpenter, 2d | - | Elmyra, N. Y. | - | Sept. | 28, | do |
| Do | - | - | - | - | Ezra Wickwire | - | Alexander, N. Y. | - | Sept. | 28, | do |
| Do | cleaning, grinding, and bolting wheat | | | | Lafayette Tibbitts | - | New Glasgow, Va. | - | Oct. | 22, | do |
| Do | - | - | - | - | William Prescott | - | Pottsville, Pa. | - | Oct. | 25, | do |
| Do | - | - | - | - | Eben. Gordon and D. | | | | | | |
| | | | | | T. Gordon | - | Oswego co., N. Y. | - | Oct. | 27, | do |
| Do | and clearing grain from smut | | | | Henry Spencer | - | Maryland, N. Y. | - | Nov. | 7, | do |
| Do | - | - | - | - | Johnson Dawkins | - | Westport, Ky. | - | Nov. | 10, | do |
| Do | - | - | - | - | Philip Shaffer | - | Richmond town'p, Pa. | - | Nov. | 16, | do |
| Do | - | - | - | - | Waldren Beach | - | Philadelphia, Pa. | - | Nov. | 23, | do |
| Do | concave bed, for rice, &c. | | | | Isaac S. Palmer | - | Do | - | Dec. | 6, | do |
| Do | horse power | | | | John Lammon | - | Macedon, N. Y. | - | Dec. | 14, | do |
| Tobacco, mode of curing | | | | | Tyree G. Newbill | - | Franklin co., Va. | - | Jan. | 11, | do |
| Do | drying by flues or stoves | | | | Davis G. Tuck | - | Halifax C. H. Va. | - | Feb. | 15, | do |
| Do | twisting | | | | John J. Heriges | - | Philadelphia, Pa. | - | June | 13, | do |
| Do | manufacturing | | | | Chas. Geoghegan and | | | | | | |
| | | | | | James Allen, jr. | - | Richmond, Va. | - | Dec. | 6, | do |

LIST OF PATENTS—AGRICULTURE—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|---------------------|-------------------|----------------|
| Winnowing mill | Moses Elliot | Boscawen, N. H. | June 13, 1831. |
| Do and cleansing grain | Jos. D. Prescott | Chesterville, Me. | July 20, do |
| Wool, sheep's, cleaning it from burs while on the skin | Lewis L. Miller | Rochester, N. Y. | Jan. 31, do |

LIST OF PATENTEES—AGRICULTURE.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---|----------------------|---|---------------|
| Alley, Abijah | Cincinnati, O. | Beehive | Aug. 26, 1831 |
| Anthony, John | Zanesville, O. | Plough bar shear | Feb. 1, do |
| Britton, Eben | Little Falls, N. Y. | Beehive | Sept. 9, do |
| Bangs, Henry | New York | Beef or cold slaw, machine for cutting | April 28, do |
| Bolton, John | Harrisburg, Pa. | Bolt for separating clover chaff from straw | July 28, do |
| Billings, Billy, J. & John S. Billings | Gorham, N. Y. | Broom corn, machine for scraping | Oct. 15, do |
| Barnes, Joel & N. T. Loomis | Corwall, Ct. | Corn shelling machine | April 13, do |
| Bond, Ezra | Mendon, N. Y. | Do do and family mill | June 13, do |
| Black, William | Ann Arundel co., Md. | Plough | Oct. 4, do |
| Balch, Benjamin, and | | | |

| | | | | |
|--|----------------------|---|-----------|----|
| Luke Webster | Sweden, N. Y. | Thrashing machine | July 22, | do |
| Beach, Waldren | Philadelphia, Pa. | Do do | Nov. 23, | do |
| Carothers, John | Shirleysburg, Pa. | Plough | Dec. 10, | do |
| Cross, Fayette | Sweden, N. Y. | Thrashing machine improvement on Douglass's | Mar. 8, | do |
| Cande, Gideon, and Jos Tousey | Rochester, N. Y. | Do do | April 1, | do |
| Crawford, Ira | Sweden, N. Y. | Do do | July 20, | do |
| Carpenter, 2d, Thomas | Elmyra, N. Y. | Do do | Sept. 28, | do |
| Deats, John | Roxburg, N. J. | Plough | Dec. 28, | do |
| Dean, Oliver, and Jos. Woodhull | Caledonia, N. Y. | Thrashing machine | April 25, | do |
| Dawkins, Johnson | Westport, Ky. | Do do | Nov. 10, | do |
| Etheridge, Nathaniel, Geo. Heath, and Ira G. Glynn | Little Falls, N. Y. | Plough corn | July 23, | do |
| Emmons, Wm. | New York | Thrashing machine | Feb. 7, | do |
| Elliot, Moses | Boscawen, H. H. | Winnowing Mill | June 13, | do |
| Freeman, jr., Silas | New Marlboro', Ms. | Cider mill, rotary cylinder | Mar. 14, | do |
| Fox, Truman, & Wm. G. Borland | Little Falls, N. Y. | Thrashing machine | Feb. 8, | do |
| Fahrney, Samuel | Boonsboro', Md. | Do do | May 9, | do |
| Goodyear, Charles | Philadelphia, Pa. | Fork, steel spring | Sept. 7, | do |
| Greathouse, William | Mason County, Ky. | Hemp, machine for breaking | July 30, | do |
| Gold, Stephen J. | Cornwall, Ct. | Thrashing machine | Jan'y 11, | do |
| Gentry, Joseph C. | Philadelphia, Pa. | Do do | Mar. 7, | do |
| Gillet, Rinaldo P. | Victor, N. Y. | Do do | June 13, | do |
| Gordon, Ebenezer, & David T. Gordon | Oswego County, N. Y. | Do do | Oct. 27, | do |
| Geoghegan, Chas., and James Allen, jr. | Richmond, Va. | Tobacco Manufacturing | Dec. 6, | do |
| Hoyt, William | Vernon, Ind. | Corn shelling machine, patent of Apr. 29, 1828, cancelled | June 13, | do |

LIST OF PATENTEES—AGRICULTURE—Continued.

| NAMES OF PATENTEES | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|------------------------------------|-------------------------|--|---------------|
| Hitchcock, David - | New York - | Cornshelling machine - - - | June 13, 1831 |
| Hayward, Levi - | Phelps, N. Y. - | Smut machine - - - | April 12, do |
| Harman, jr., John - | Upper Wakefield, Pa. - | Thrashing machine - - - | Feb. 11, do |
| Hetzel, Jacob, & Jesse Bevier - | Ithaca, N. Y. - | Do do - - - | Feb. 14, do |
| Harrington, Philip - | Petersburg, Va. - | Do do - - - | July 20, do |
| Heriges, John J. - | Philadelphia, Pa. - | Tobacco twisting - - - | June 13, do |
| Lester, Ebenezer A. - | Boston, Ms. - | Cottongin frame - - - | Jan'y 8, do |
| Look, Abel - | Pittsfield, Ms. - | Grain, rice, &c., separating - - - | June 13, do |
| Lane, Samuel - | Hallowell, Me. - | Thrashing machine, &c. - - - | April 6, do |
| Lammon, John - | Macedon, N. Y. - | Do do and horse power - - - | Dec. 14, do |
| Munch, Philip - | Putnam, O. - | Beehive - - - | July 27, do |
| Matthews, Alexander - | Island Creek, O. - | Clover seed machine - - - | Dec. 13, do |
| Manning, William - | Plainfield, N. J. - | Grass and grain, machine for cutting - - - | May 3, do |
| Miller, Timothy - | Pittsburg, Pa. - | Plough - - - | Feb. 15, do |
| McCormick, Cyrus H. - | Rockbridge co., Va. - | Do hill side - - - | June 13, do |
| Marks, William B. - | Petersburg, Va. - | Thrashing machine - - - | April 8, do |
| Munroe, Newton C. - | Windham, N. Y. - | Do do - - - | April 14, do |
| Maltby, Benjamin - | Gates, N. Y. - | Do do - - - | July 30, do |
| Müller, Lewis L. - | Rochester, N. Y. - | Wool, sheep's, cleaning from burs - - - | Jan'y 31, do |
| Nicolas, Joseph - | Lafourche, La. - | Plants, insects, &c., mode of destroying - - - | June 13, do |
| Norton, Isaac - | Schuylersville, N. Y. - | Thrashing machine - - - | Jan'y 6, do |
| Newbill, Tyree G. - | Franklin county, Va. - | Tobacco, mode of curing - - - | Jan'y 11, do |
| William E. Osborn - | Brighton, N. Y. - | Thrashing machine - - - | April 30, do |

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|--|----------------------|------------------------------------|-----------|----|
| Parker, Jabez, and Hiram M. Smith | Richmond, Va. | Corn shelling machine | April 9, | do |
| Peebles, Albert | Henry county, Geo. | Plough Double | July 20, | do |
| Phillips, William | New Brunswick, N. J. | Rake Horse | Aug. 15, | do |
| Palmer, Innis B. | Baltimore, Md. | Thrashing machine | July 20, | do |
| Prescott, William | Pottsville, Pa. | Do do | Oct. 25, | do |
| Palmer, Isaac S. | Philadelphia, Pa. | Do do concave bed | Dec. 6, | do |
| Prescott, Joseph D. | Chesterville, Me. | Winnowing and cleaning grain | July 20, | do |
| Reading, Pierson | Trenton, N. J. | Clover seed machine | Oct. 25, | do |
| Reed, Jesse | Marshfield, Ms. | Corn shelling machine | Sept. 1, | do |
| Reese, Thomas | Baltimore, Md. | Grain machine for cleaning | July 20, | do |
| Rugg, Samuel | Lancaster, Ms. | Harrow revolving | Jan. 11, | do |
| Richison, Andrew | New Carlisle, O. | Thrashing machine | April 22, | do |
| Redifer Jacob | Philadelphia, Pa. | Do do | July 25, | do |
| Rogers, Samuel | Ashville, N. C. | Do do | Do | do |
| Shaw, Erastus, and Robert H. Burk | Canton, Ct. | Axes manufactory | Nov. 3, | do |
| Starr, William | Norway, N. Y. | Cheese netting | Dec. 27, | do |
| Sample, William P. | Bedford county, Ten. | Cotton cultivating machine | Sept. 3, | do |
| Stone, jr., Wm. | Williamson Co., Ten. | Hemp machine | Sept. 8, | do |
| Smith, P., and Theo- dore H. Arnold | Haddam, Ct. | Planting corn, &c. | Jan. 20, | do |
| Savage, William, and Hez. Davidson | Horse Well, Ky. | Plough | Aug. 24, | do |
| Summers, Ab'm W. | Gates, N. Y. | Thrashing machine, float and tooth | Mar. 21, | do |
| Smith, Alonzo L. | Weedsport, N. Y. | Do do shelling corn, &c. | April 27, | do |
| Stanton, Nehemiah P. | Syracuse, N. Y. | Do do | July 21, | do |
| Spencer, Henry | Maryland, N. Y. | Do do | Nov. 7, | do |
| Shaffer, Philip | Richmond towns'p, Pa | Do do | Nov. 16, | do |
| Tibbitts, Lafayette | New Glasgow, Va | Flax and hemp machine | Oct. 22, | do |
| Todd, Henry | Pembroke, N. H. | Planting corn, &c. | Oct. 1, | do |

LIST OF PATENTEES—AGRICULTURE—Continued.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|------------------------|------------------------|------------------------------------|----------------|
| Thacker, jr., Barnabas | Barnstable, Ms. | Plough | July 20, 1831. |
| Turner, Samuel | Aurelius, N. Y. | Thrashing machine | Jan. 11, do |
| Tibbitts, Lafayette | New Glasgow, Va. | Do do | Oct. 22, do |
| Tuck, Davis G. | Halifax C. H., Va. | Tobacco, drying by flues or stoves | Feb. 15, do |
| Van Doren, Isaac | Hopewell townsh. N.J. | Thrashing machine | June 13, do |
| Vosburgh, Jno. | Kinderhook, N. Y. | Do do | July 20, do |
| Wells, Elias | Duxbury, Vt. | Apples, machine for gathering, &c. | Dec. 6, do |
| White, Samuel | Chambersburg, Pa. | Clover seed machine | Aug. 10, do |
| Williams, William | Buckingham towns., Pa. | Do do | Aug. 12, do |
| Waggenett, Edm'd M. | Adair county, Ky. | Plough bar shear | Jan. 12, do |
| Wood, Wm. J. | Rochester, N. Y. | Thrashing machine | April 19, do |
| West, Joshua S. | Portland, N. Y. | Do do | 26, do |
| Warren, Edmund | New York | Do do | 28, do |
| Wickwire, Ezra | Alexander, N. Y. | Do | Sept. 28, do |

LIST OF PATENTS—FACTORY MACHINERY.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|----------------------------|---------------------|---------------------|---------------|
| Axes, oval | Stephen Hyde | Williamsburg, Mass. | Mar. 2, 1831. |
| Auger, serpentine screw | George Shelter | York, Pa. | Mar. 21, do |

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|---|--------------------------------------|-----------------------|-----------|-----|
| Boring and drilling stone, &c., vertically or horizontally | Eben. C. Everts and William Lockwood | Colesville, N. Y. | July 20, | do |
| Buttons, manufacturing, called "The Safe Eye Button" | Chas. Goodyear | Philadelphia, Pa. | Jan. 12, | do |
| Do do n.etallic flexible shank - | Josiah Hayden, jr. | Williamsburg, Mass. | Feb. 17, | do |
| Do do dead eyed wood - | De Grasse Fowler | Branford, Ct. | June 13, | do |
| Candles, mould, manufacturing, called "The Candle Drawer and Endless Wick Nipper" - | Thomas Hewitt, jr. | Philadelphia, Pa. | May 4, | do. |
| Candles, mould, manufacturing, called "The Sliding Mandril Mould" - | Do | Do | June 13, | do |
| Candles, mould for making - | Tim'y J. Dyre and A. T. Richmond | New Bedford, Mass. | July 20, | do |
| Caps, manufacturing, and rendering them water proof, elastic, &c. Patent of January 19, 1831, cancelled on account of a defective specification - | Laban L. Macomber | Gardiner, Me. | Oct. 11, | do |
| Cards, filletting, or cut, prick, and set machine - | Reuben Meriam | Leicester, Mass. | May 2, | do |
| Do and drawing can hoops, of iron, mode of bending | John Butterworth | Philadelphia co., Pa. | July 20, | do |
| Chairs, couches, sofas, settees, &c. - | Chas. Adams | Boston, Mass. | April 18, | do |
| Cloths, dressing woollen, or part wool and part cotton - | Calvin W. Cook | Lowell, Mass. | April 23, | do |
| Cocoon cutter - | Daniel Fitzgerald | New York - | Dec. 22, | do |
| Dying cotton in the staple, or cotton wool - | James R. Stewart | Do - | Nov. 11, | do |
| Edging, machine for turning the edges of tin, copper, or sheet iron, called "The French Horse" - | John Woolley | Do | Mar. 16, | do |
| Edging metal plates for roofing houses - | Daniel A. Piper | Cincinnati, O. | Aug. 15, | do |
| Fan, mechanical, improvement on his fan patented November 27, 1830 - | James Barron | Norfolk, Va. | June 13, | do |
| Fur, machine for cleaning - | Wm. Woodworth | New York - | April 19, | do |
| Glass frames, for looking glasses, pictures, &c. - | John Scott | Philadelphia, Pa. | April 6, | do |
| Do knobs - | Spencer Richards | Cambridge, Mass. | Oct. 31, | do |
| Hats, wool and fur, composition for stiffening - | Laban L. Macomber | Gardiner, Me. | Jan. 19, | do |
| Do felting and napping - | Thos. J. Cornell | Randolph, Vt. | Feb. 11, | do |
| Do body bats - | Stephen Hurlbut | Glastonbury, Ct. | Feb. 14, | do |
| Do manufacturing, by hardening them on a cone - | Do | Do | June 13, | do |

LIST OF PATENTS—FACTORY MACHINERY—Continued.

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| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED |
|---|--------------------------------------|-----------------------|----------------|
| Hats, manufacturing by steam - - - - | David Sutton - | Lancaster, Ky. - | June 13, 1831. |
| Do composition for stiffening - - | Charles Bent and F. Bush - - | Chelmsford, Moss. - | Nov. 3, do |
| Hooks and eyes, machine for making - - - | James Stewart - | Boston, Mass. - | July 20, do |
| Iron, malleable cast, manufacturing - - - | Seth Boyden - | Newark, N. J. - | Mar. 9, do |
| Do do do - - - - | Do - - | Do - | April 6, do |
| Do cast, uniting with steel or wrought iron - - | Asa Mallory and Chas. Miles - - | Concord, O. - - | Aug. 1, do |
| Do borings, drillings, filings, &c., rendered available in furnaces - - - - | Maynadier Mason - | Georgetown, D. C. - | Nov. 8, do |
| Knitting, machine for, stockings, &c - - - | John McMullen and Jos. Hollen, jr. - | Huntingdon co., Pa. - | Mar. 5, do |
| Locks for doors - - - - | Andrew Wolfe - | Pittsburg, Pa. - | April 18, do |
| Loom, for weaving webbing, tape, binding, &c. - | Asa G. Bill and Geo. Spalding - - | Middletown, Ct. - | Mar. 28, do |
| Do power, and stopping it when the filling breaks - | Jesse Taylor and Jos. Woodhead - | Middletown, Pa. - | April 21, do |
| Mould, metallic, for casting butt hinges - - - | Jonas Kendall, jr. - | Watertown, Mass. - | July 21, do |
| Nets for horses, (fly nets) - - - - | Peter Mintzer - | Philadelphia, Pa. - | July 20, do |
| Do do - - - - | William H. Horstman - | Do - | July 28, do |
| Do do - - - - | Henry Korn - | Do - | Dec. 8, do |
| Paper, manufacturing - - - - | Sol'n Stimpson - | Newbury, Vt. - | Mar. 12, do |
| Do cutting machine - - - - | Edw'd Pine - | Troy, N. Y. - | July 20, do |
| Pasteboard, &c., manufacturing - - - - | Fred. A. Taft - | Dedham, Mass. - | July 20, do |
| Phials, essence, tubular improvement - - - | John Staniford - | Boston, Mass. - | Oct. 17, do |

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| Plane, bevel wheel, for planing boards - | Jona. Newhall | Washington, Me. | Jan. 25, | do |
| Do carpenter's, and manner of fastening the iron, &c. - | Phinebas Meigs | Madison, Ct. | Feb. 9, | do |
| Do accelerating, for planing, jointing, grooving, &c. - | John W. Newberry | Avon, N. Y. | Nov. 15, | do |
| Punching machine for copper or brass - | John Shugert | Pittsburg, Pa. | July 20, | do |
| Do or cutting iron or steel by machinery - | Jadediah Richards | Elbridge, N. Y. | Sept. 28, | do |
| Rags, washing, for making paper - | John Ames | Springfield; Mass. | April 6, | do |
| Do do do - | D. Ames, jr., and Jno Ames, assignees of Sam'l Eckstein | Philadelphia, Pa. | June 13, | do |
| Do machine for cleaning - | George Carriell | Manchester, Ct. | July 27, | do |
| Reeds, or sleys for weaving - | Horace Holt | Rutland town'p, O. | Oct. 17, | do |
| Rifles, for sharpening edged tools - | Peleg Barlow | Dutchess co., N. Y. | Mar. 1, | do |
| Do do - | Do | Amenia, N. Y. | June 13, | do |
| Ropes, manufacturing - | Edward S. Townsend and Philo Durfee | Palmyra, N. Y. | Jan. 6, | do |
| Do do - | William Stone, jr. | Williamson co., Tenn. | Sept. 8, | do |
| Roping, manufacturing, called "The Compound Revolver" | Asa Whitman & Joel Baker | Walpole, Mass. | July 20, | do |
| Rollers, cast iron, for laminating and flattening metals - | James Wood | Philadelphia, Pa. | July 20, | do |
| Saws, gumming the teeth of saw mill and cross cut - | Phinebas Newton | Sidney Plains, N. Y. | April 29, | do |
| Do do and trimming - | Jos. Spencer | Canajoharie; N. Y. | Aug 15, | do |
| Saw trimmer - | John R. Failing and Robert G. Nellis | Do | April 27, | do |
| Do or engine instrument - | Adam Clarke, jr. | Bern, N. Y. | Aug. 24, | do |
| Sawing machine, cross cut - | James W. Messenger | Windham, O. | Dec. 21, | do |
| Screws, wood, for pressing hay, cider, and cotton - | John Morrison | Hardinsburg, Inda. | Mar. 12, | do |
| Do do - | Hazard Knowles | Colchester, Ct | April 1, | do |
| Scythe sneeds - | John Knight | Woodbury, N. J. | April 7, | do |
| Shears for cutting pasteboard, sheet iron, &c. - | Alvah Hardy | Boston, Mass. | Aug. 12, | do |
| Shovel scoop - | Elish Mudge and Rufus Tenny | Alexander, N. Y. | April 6, | do |

LIST OF PATENTS—FACTORY MACHINERY—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|---|---------------------|-----------------|
| Shovel scoops, &c., manufacturing, from sheet iron, copper, &c. | Mord'a Bull | Greenwich, N. Y. | Sept. 28, 1831. |
| Sickles, files, &c., machine for cutting | Simon Hornback | Lafayette, Inda. | Feb. 11, do |
| Skates, and mode of manufacturing the same | Welcome Whitaker | Troy, N. Y. | Dec. 30, do |
| Spades and shovels, making, by machinery | Chas. Richmond and Sam'l Caswell, jr. | Taunton, Mass. | April 7, do |
| Spinning wool | David S. Wooster | Sneldon, N. Y. | Feb. 14, do |
| Do cotton, and other fibrous material | John Brown | Stonington, Ct. | June 13, do |
| Do hemp, flax, and other substances | Daniel Treadwell | Boston, Mass. | Oct 11, do |
| Do cotton and wool | Levi Rice | Milburn, Mass. | Nov. 14, do |
| Stereotype extendible blocks | Elihu White, assignee of G. W. Grater | New York | Jan. 7, do |
| Throstle frame and bobbin regulator | John Brown and Jno. John Standish | Cranston, R. I. | June 13, do |
| Tow lines, rope cordage, &c. | Aaron Bull | Caroline, N. Y. | Dec. 29, do |
| Type caster, vertical | Elihu White, assignee of M. D. Mann and Steph. Sturdevant | New York | Jan. 7, do |
| Type rubber, or machine for smoothing bodies of types | Elihu White, assignee of S. Sturdevant | Do | Jan. 7, do |
| Weaving figured cloth | George Detterich and Jona. Conger | Tompkins co., N. Y. | Mar. 12, do |

LIST OF PATENTEES—FACTORY MACHINERY.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---|-----------------------|---|-----------------|
| Adams, Charles - | Boston, Ms. - | Chairs, couches, &c. - - - - | April 18, 1831. |
| Ames, John - | Springfield, Ms. - | Rags, machine for washing - - - - | April 6, do |
| Ames, jr., David and John Ames, assignees of Sam'l Eckstein - | Philadelphia, Pa. - | Do do - - - - | June 13, do |
| Butterworth, John - | Philadelphia, Pa. - | Cards, and drawing can hoops, &c. - - - - | July 20, do |
| Barron, James - | Norfolk, Va. - | Fan, mechanical, improvement on patent of Nov. 27, 1830 | June 13, do |
| Bent, Chas., and Frs. | | | |
| Bush - | Chelmsford, Ms. - | Hats, composition for stiffening - - - - | Nov. 3, do |
| Boyden, Seth - | Newark, N. J. - | Iron malleable, cast, manufacturing - - - - | Mar. 9, do |
| Do do - | Do - | Do do - - - - | April 6, do |
| Bill, Asa G., and Geo. | | | |
| Spalding - | Middletown, Ct. - | Loom, for weaving webbing, tape, &c. - - - - | Mar. 28, do |
| Barlow, Peleg - | Dutchess co., N. Y. - | Rifle for sharpening tools - - - - | Mar. 1, do |
| Do do - | Amenia, N. Y. - | Do do - - - - | June 13, do |
| Bull, Mord'a - | Greenwich, N. Y. - | Shovels, scoops, &c. - - - - | Sept. 28, do |
| Brown, John - | Stonington, Ct. - | Spinning cotton and other fibrous material - - - - | June 13, do |
| Brown, John, and Jno. | | | |
| Standish - | Cranston, R. I. - | Throstle frame and bobbin regulator - - - - | Do do |
| Bull, Aaron - | Caroline, N. Y. - | Tow lines, rope, cordage, &c. - - - - | Dec. 29, do |
| Cook, Calvin W. - | Lowell, Ms. - | Cloths, dressing woollen - - - - | April 23, do |
| Cornell, James - | Randolph, Vt. - | Hats, felting and napping - - - - | Feb. 11, do |
| Carriel, Geo. - | Manchester, Ct. - | Rags, machine for washing - - - - | July 27, do |
| Clarke, jr., Adam - | Bern, N. Y. - | Saw trimmer - - - - | Aug. 24, do |

LIST OF PATENTEES—FACTORY MACHINERY—Continued.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|--|-----------------------|---|----------------|
| Dyre, T. G., and A. D. Richmond - | New Bedford, Ms. - | Candles, moulds for making - - - - | July 20, 1831. |
| Detterich, Geo. and Jona. Conger - | Tompkins co., N. Y. | Weaving, figured cloth - - - - | Mar. 12, do |
| Everts, E. C., and Wm. Lockwood - | Colesville, N. Y. - | Boring and drilling stone, &c.. - - - - | July 20, do |
| Fowler, De Grasse - | Branford, Ct. - | Buttons, dead eyed wood - - - - | June 13, do |
| Fitzgerald, Daniel - | New York - | Cocanut cutter - - - - | Dec. 22, do |
| Farling, John R., and Rob. G. Nellis - | Canajoharie, N. Y. - | Saw trimmer - - - - | April 27, do |
| Goodyear, Chas. - | Philadelphia, Pa. - | Buttons, manufacturing, called the safe eye button - - | Jan 12, do |
| Hyde, Stephen - | Williamsburg, Ms. - | Axes, oval - - - - | Mar. 2, do |
| Hayden, jr., Josiah - | Do - | Buttons, metallic flexible shank - - - - | Feb. 17, do |
| Hewitt, jr., Thomas - | Philadelphia, Pa. - | Candles, mould, manufacturing, called the candle drawer and endless wick nipper - - - - | May 4, do |
| Do do - | Do - | Candles, mould, manufacturing, sliding mandril mould - - - - | June 13, do |
| Hurlbut, Stephen - | Glastonbury, Ct. - | Hat bodies - - - - | Feb. 14, do |
| Do do - | Do - | Hat manufacturing, by hardening on a cone - - - - | June 13, do |
| Horstman, Wm. H. - | Philadelphia, Pa. - | Nets for horses - - - - | July 28, do |
| Holt, Horace - | Rutland township, O - | Reeds or sleys for weaving - - - - | Oct. 17, do |
| Hardy, Alvah - | Boston, Ms. - | Shears for cutting paste board - - - - | Aug. 12, do |
| Hornback, Simon - | Lafayette, Ind. - | Sickles, files, &c., machine for cutting - - - - | Feb. 11, do |
| Kendall, jr., Jonas - | Watertown, Ms. - | Mould, metallic, for casting butt hinges - - - - | July 21, do |
| Korn, Henry - | Philadelphia, Pa. - | Nets for horses - - - - | Dec. 8, do |
| Kaowles, Hazard- - | Colchester, Ct. - | Screws, wood - - - - | April 1, do |

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|---|---|----------------------|---|---|---|---|---|---|-----------|----|
| Knight, John | - | Woodbury, N. J. | - | Scythe, Sneed's | - | - | - | - | April 7, | do |
| Macomber, Laban L. | - | Gardiner, Me. | - | Caps, manufacturing, and rendering them water proof, &c., patent of January 19, 1831, cancelled | - | - | - | - | Oct. 11, | do |
| Meriam, Reuben | - | Leicester, Ms. | - | Cards, filletting, or cut, prick, and set machine | - | - | - | - | May 2, | do |
| Macomber, Laban L. | - | Gardiner, Me. | - | Hats, composition for stiffening | - | - | - | - | Jan. 19, | do |
| Mallory, Asa, & Chas. Miles | - | Concord, O. | - | Iron, cast, uniting with steel, &c. | - | - | - | - | Aug. 1, | do |
| Mason, Maynadier | - | Georgetown, D. C. | - | Iron borings rendered available in furnaces | - | - | - | - | Nov. 8, | do |
| McMullen and James Hollent | - | Huntington co., Pa. | - | Knitting stockings | - | - | - | - | Mar. 5, | do |
| Mintzer, Peter | - | Philadelphia, Pa. | - | Nets for horses | - | - | - | - | July 20, | do |
| Meigs, Phinehas | - | Madison, Ct. | - | Plane, carpenter's, &c. | - | - | - | - | Feb. 9, | do |
| Messenger, Jas. W. | - | Windham, O. | - | Sawing machine, cross cut | - | - | - | - | Dec. 21, | do |
| Morrison, Jno. | - | Hardinsburg, Ind. | - | Screws, wood, for pressing hay, cider, and cotton | - | - | - | - | Mar. 12, | do |
| Mudge, Elisha, and Rufus Tenney | - | Alexander, N. Y. | - | Shovel scoop | - | - | - | - | April 6, | do |
| Newhall, Jno. | - | Washington, Me. | - | Plane, bevel wheel | - | - | - | - | Jan. 25, | do |
| Newberry, Jno. W. | - | Avon, N. Y. | - | Plane, accelerating | - | - | - | - | Nov. 15, | do |
| Newton, Phinehas | - | Sidney Plains, N. Y. | - | Saws, gumming, &c. | - | - | - | - | April 29, | do |
| Piper, Daniel A. | - | Cincinnati, O. | - | Edging metal plates for roofing houses | - | - | - | - | Aug. 15, | do |
| Pine, Edward | - | Troy, N. Y. | - | Paper cutting machine | - | - | - | - | July 20, | do |
| Richards, Spencer | - | Cambridge, Ms. | - | Glass knobs | - | - | - | - | Oct. 31, | do |
| Richards, Jedediah | - | Elbridge, N. Y. | - | Punching or cutting iron, &c. | - | - | - | - | Sept. 28, | do |
| Richmond, Chas., and Sam'l Caswell, jr. | - | Taunton, Ms. | - | Spades and shovels | - | - | - | - | April 7, | do |
| Rice, Levi | - | Milburn, Ms. | - | Spinning cotton and wool | - | - | - | - | Nov. 14, | do |
| Shetter, Geo. | - | York, Pa. | - | Auger, serpentine screw | - | - | - | - | Mar. 21, | do |
| Stewart, James R. | - | New York | - | Dying cotton in the staple | - | - | - | - | Nov. 11, | do |
| Scott, Jno | - | Philadelphia, Pa. | - | Glass frames for pictures, &c. | - | - | - | - | April 6, | do |
| Sutton, David | - | Lancaster, Ky. | - | Hats, manufacturing by steam | - | - | - | - | June 13, | do |
| Stewart, James | - | Boston, Ms. | - | Hooks and eyes, making | - | - | - | - | July 20, | do |

LIST OF PATENTEES—FACTORY MACHINERY—Continued.

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| LIST OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---|------------------------|---|----------------|
| Stimpson, Sol'n - | Newbury, Vt. - | Paper making - - - - | Mar. 12, 1831. |
| Staniford, Jno. - | Boston, Ms. - | Phials, essence - - - - | Oct. 17, do |
| Strugert, Jno. - | Pittsburg, Pa. - | Punching machine for copper, &c. - - - - | July 20, do |
| Stone, jr., Wm. - | Williamson co., Ten. - | Ropes, manufacturing - - - - | Sept. 8, do |
| Spencer, Jos. - | Canajoharie, N. Y. - | Saws, gumming and trimming - - - - | Aug. 15, do |
| Taylor, Jesse, and Jos. Woodhead - | Middletown, Pa. - | Loom, power, &c. - - - - | April 21, do |
| Taft, Fred. A. - | Dedham, Ms. - | Paste board manufacturing - - - - | July 20, do |
| Townsend, Edw'd S., and Philo Durfee - | Palmyra, N. Y. - | Ropes, manufacturing - - - - | Jan. 6, do |
| Treadwell, Daniel - | Boston, Ms. - | Spinning hemp and flax - - - - | Oct. 11, do |
| Woolley, John - | New York - | Edging machine for tin, copper, sheet iron, &c. - - - - | Mar. 16, do |
| Woodworth, Wm. - | Do - | Fur, machine for cleaning - - - - | April 19, do |
| Wolfe, Andrew - | Pittsburg, Pa. - | Locks for doors - - - - | April 18, do |
| Whitman, Asa, and Joel Baker - | Walpole, Ms. - | Roping manufacturing, compound revolver - - - - | July 20, do |
| Wood, James - | Philadelphia, Pa. - | Rollers, cast iron, for laminating metals - - - - | Do do |
| Whitaker, Welcome - | Troy, N. Y. - | Skates - - - - | Dec. 30, do |
| Wooster, David S. - | Sheldon, N. Y. - | Spinning wool - - - - | Feb. 14, do |
| White, Elihu, assignee of Geo. W. Grater - | New York - | Stereotype extendible blocks - - - - | Jan. 7, do |
| White, Elihu, assignee of M. D. Mann and Stephen Sturdevant - | Do - | Type caster, vertical - - - - | do do |
| White, Elihu, assignee of S. Sturdevant - | Do - | Type rubber, or machine for smoothing the bodies of types - - - - | do do |

LIST OF PATENTS—COMMON TRADES.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|--------------------------------|------------------------|-----------------|
| Barrels, &c. manufacturing - - - - | John Cole and Sam'l Miller - - | Washington co , O. - | Sept. 29, 1831. |
| Bed, manufacturing spring - - - - | Josiah French - - | Ware, Mass. - | Aug. 25, do |
| Do elastic spring, with an elevating and depressing surface | Alonzo G. Hull - - | New York - - | Oct. 1, do |
| Bedstead - - - - - | Rufus Belt - - | Centreville, Ky. - | Feb. 22, do |
| Do - - - - - | William Gambel - - | Baltimore, Md. - | Aug. 25, do |
| Do or chair hospital - - - - - | Williams Woolley - - | New York - - | Sept. 28, do |
| Do secret, for sofas and settees - - - - | Do - - | Do - - | Oct. 3, do |
| Do paturient invalid - - - - - | Joshua N. Robbins - - | Troy, Mo. - - | Oct. 20, do |
| Do Metamorphosic alleviator - - - - - | Jona. Lowe - - | Whitesborough, N. Y. - | Nov. 21, do |
| Bellows for blowing by steam - - - - - | Joel Eastman - - | Bath, N. H. - | April 8, do |
| Do - - - - - | Luna Bishop - - | Readsborough - - | Dec. 22, do |
| Boots and shoes, manufacturing, with nails and pegs - - | Nicholson Millis - - | New York - - | Mar. 21, do |
| Do do - - - - - | Caleb A. Ore - - | Philadelphia, Pa. - | May 5, do |
| Do soling and heeling, with wooden or metal pegs - - - - - | Wales Tileston - - | Charlemont, Mass. - | Aug. 18, do |
| Brick moulding - - - - - | David Fox - - | Ashtabula, O. - | Aug. 15, do |
| Churn, and working it - - - - - | Talmage Ross - - | Pickaway, O. - | Jan. 26, do |
| Do pendulum - - - - - | Caleb Angevine - - | New York - - | Feb. 28, do |
| Do for churning cream by atmospheric air - - - - | Elias V. Coe - - | Warwick, N. Y. - | April 7, do |
| Do - - - - - | David Smith - - | Emmetsburg, Md. - | April 21, do |
| Do - - - - - | Jos. Crail - - | Warren, O. - | May 5, do |
| Do - - - - - | Cyrus Baker - - | Charlton, N. Y. - | June 13, do |
| Do lever - - - - - | Philip H. Kemball - - | Salem, Mass. - | June 13, do |
| Do - - - - - | Sam'l Sweet, jr. - - | Readfield, Mass. - | June 13, do |

LIST OF PATENTS—COMMON TRADES—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|--|---------------------|---------------|
| Churn - - - - - | Johnson Mewhinney | Liberty town'p., O. | July 30, 1831 |
| Do - - - - - | Zuri S. Doty | Massillon, O. | Aug. 31, do |
| Do - - - - - | James Van Ankin, 2d | Knox, N. Y. | Sept. 28, do |
| Do - - - - - | Amon Bailey | Poultney, Vt. | Oct. 6, do |
| Clapboards, making, from round logs - - - | Herald Whittemore | Worcester, Mass. | Aug. 26, do |
| Clay, machine for mixing - - - - - | Aaron Parkhurst | Scriba, N. Y. | April 11, do |
| Crackers, biscuit, &c., cutting - - - - - | Jos. Clark and Henry Henderson | Baltimore, Md. | June 13, do |
| Do do do - - - - - | John S Stiles | Do - | Aug. 9, do |
| Do do do - - - - - | J. P. Fairlamb and Miller Dunot | Wilmington, Del. | June 13, do |
| Cradle, swinging, applying pendulum power of a clock - | John McKinney | West Chester, O. | June 13, do |
| Cushions for billiard tables - - - - - | Abm. Bassford | Yew York | July 20, do |
| Door knockers, cast iron, with brass plates - - - | Increase Wilson | New London, Ct. | Mar. 11, do |
| Dye wood, machine for cutting - - - - - | Merrit Hurd | Augusta, N. Y. | July 22, do |
| Fastenings, mortise door - - - - - | Leonard Foster | Boston, Mass. | Feb. 25, do |
| Do spring door catch - - - - - | Jas. Buck | Bucksport, Me. | Sept. 28, do |
| Furniture, house, ship, and camp - - - - - | Edw. Clibborn | Cincinnati, O. | Sept. 12, do |
| Garments, instrument for marking out and cutting, called "The American System" - - - - - | John Pudney | Waterford, N. Y. | Sept. 3, do |
| Garments, measuring for and cutting - - - - - | James Henderson and Cooper K Watson | Zanesville, O. | Oct. 22, do |
| Hair, machine for shaving, from deer skin - - - | Rodolph Groning | New Orleans | Oct. 10, do |
| Hoops, machine for shaving - - - - - | Gab. Heatwoal | Harrisonburg, Pa. | July 27, do |
| Horse shoes - - - - - | David Anthony, jr. | Adams, Mass. | April 8, do |

Do - - - - -
 Do - - - - -
 Knife for cutting tobacco - - - - -
 Laths, sawing with circular saw - - - - -
 Do cutting from boards - - - - -
 Leather and skins, splitting, shaving, and cutting - - - - -
 Do machine for splitting - - - - -
 Do do cutting at one operation - - - - -
 Do do do punching, &c., for straps, girths, &c. - - - - -
 Leather, scouring, cleansing, striking out, smoothing, &c. - - - - -
 Mattresses, sofas, &c. - - - - -
 Meat, chopping, pulverizing spice, &c. - - - - -
 Morocco, and other leather, polishing and graining - - - - -
 Do polishing, graining, and diceing - - - - -
 Mortar, preparing, for brick - - - - -
 Do machine for mixing - - - - -
 Mortising machine - - - - -
 Ornaments, making. from Anthracite or other coal - - - - -
 Painting cloth, machine for - - - - -
 Pegs, machine for pointing - - - - -
 Planing, edging, and grooving boards - - - - -
 Do boards - - - - -
 Do do - - - - -
 Planks, piles, &c., sticking mouldings on them - - - - -
 Quilting frame - - - - -
 Saddles, manufacturing - - - - -
 Sausage meat, machine for cutting and stuffing, - - - - -
 Sawing boards, machine called "The Economical Sawyer" - - - - -
 Do furrow boards - - - - -
 Shingles, &c., machine for sawing - - - - -

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|-----------------------|----------------------|-----------|----|
| John Deitz - | New York - | April 22, | do |
| Lewis T. C. Smith - | Scott co., Ky. - | Dec. 15, | do |
| James J. Mapes - | New York - | Jan. 22, | do |
| Chaning Madison - | Miamisburg, O. - | April 4, | do |
| Jacob Jameson - | Springfield, O. - | Aug. 24, | do |
| Aug. S. Dawley - | Boston, Mass. - | Mar. 22, | do |
| Alpha Richardson - | Do - | April 23, | do |
| Geo. Domett - | Do - | July 20, | do |
| Ira Genung - | Newark, N. J. - | July 30, | do |
| Robert Emes - | Boston, Mass. - | Nov. 21, | do |
| Rowland Cromelon - | New York - | Nov. 7, | do |
| Benton P. Coston - | Philadelphia, Pa. - | June 13, | do |
| Robert Emes - | Boston, Mass. - | April 20, | do |
| Do - | Do - | Nov. 21, | do |
| Oran W. Seely - | Williamson, N. Y. - | July 20, | do |
| Andw. Kirkpatrick - | Urbana, O. - | Nov. 12, | do |
| Henry Marsh - | Morristown, N. J. - | June 13, | do |
| Josiah W. Kirk - | Schuykill co., Pa. - | June 13, | do |
| Otis Ferrin - | Lansingburg, N. Y. - | Nov. 28, | do |
| Wm. A. Greenwood - | Palmer, N. Y. - | Feb. 19, | do |
| Jacob Tees - | Kensington, Pa. - | June 13, | do |
| Jos. Percival - | Philadelphia, Pa. - | July 20, | do |
| Eben. Lane - | Cincinnati, O. - | Oct. 26, | do |
| John Judge - | Washington, D. C. - | June 13, | do |
| Brook W. Sower - | Leesburg, Va. - | Dec. 23, | do |
| Levi Sherman - | Bridgeport, Ct. - | Jan. 18, | do |
| Sam'l Fahrney - | Boonsboro', Md. - | Feb. 1, | do |
| Reuel Jacobs - | Wilton, N. Y. - | Feb. 22, | do |
| Nathan H. Dearborn - | Conway, N. H. - | Dec. 28, | do |
| Jonathan Hobbs, jr. - | Falmouth, Mass. - | Aug. 18, | do |

LIST OF PATENTS—COMMON TRADES—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|--|-----------------------|----------------|
| Shingles, manufacturing - - - - | Wm. Thomas - | Farmington, Mich. 'P' | Aug. 25, 1831. |
| Do do by a circular rotary shave and carriages - - - - | Cheney Reed - | Worcester, Mass. - | Sept. 28, do |
| Staves, machine for dressing - - - - | John G. Conser - | Rebersburg, Pa. - | Jan. 31, do |
| Do do jointing, two jointers operating si- multaneously - - - - | George Eby - | Clarence, N. Y. - | April 14, do |
| Staves, machine for dressing, heading, and jointing - | John G. Tackless - | Pomfret, N. Y. - | July 20, do |
| Do do jointing - - - - | Isaac Fobes - | Bridgewater, Mass. - | Aug. 3, do |
| Stone, machine for breaking, for turnpikes - - | Benj. F. Lodge and Ezekiel T. Cox - | Zanesville, O. - | April 13, do |
| Do process of drilling, particularly for railways - | Jona. Crane - | Schenectady, N. Y. - | June 13, do |
| Do machine for cutting and chiselling - - | Larmon Z. Parke and Iram Brewster - | Schoharie, N. Y. - | Oct. 10, do |
| Do do drilling or boring - - - - | William Holdredge - | Albany, N. Y. - | Nov. 10, do |
| Stock for the neck - - - - | William Carlock - | Baltimore, Md. - | Aug. 9, do |
| Tenons, cutting, by revolving cylinders - - - | Josiah Fay - | Hollis, N. H. - | Aug. 29, do |
| Tin plate, coating, with lead - - - - | Jos. M. Truman - | Philadelphia, Pa. - | Sept. 29, do |
| Tire hoops and bands, machine for bending - - | Daniel Shepardson - | Hamilton N. Y. - | Feb. 7, do |
| Ware, wooden, manufacturing, without staves - - | John Patridge - | Zanesville, O. - | April 16, do |
| Do hollow, manufacturing, from zinc or spelter - | Samuel Davis - | New York - | April 18, do |
| Do manufacturing from tinned plates, sheet iron, &c. | Edw'd M. Converse - | Southington, Ct. - | July 20, do |
| Washing machine - - - - | Benj. Hinkley - | Fayette, Me. - | Jan. 31, do |
| Do do - - - - | M. D. Mulford - | Bloomfield, N. Y. - | April 5, do |
| Do and churning machine - - - - | John White - | South Union, Ky. - | April 11, do |
| Do machine - - - - | John Hale - | Hollis, N. H. - | April 20, do |

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| Do | do | - | - | - | - | John G. Conser | - | Miles township, Pa. | April 21, | do |
| Do | do | - | - | - | - | Sam'l Jinkham | - | Enfield, Mass. | June 13, | do |
| Do | pressing, ironing, crimping, and drying clothes | - | - | - | - | John Newhall | - | Dayton, O. | June 13, | do |
| Do | machine, swinging | - | - | - | - | James Appleton | - | Richmond, Va. | June 13, | do |
| Do | do | with or without steam | - | - | - | Nathan Hocket | - | Snow Hill, O. | Aug. 6, | do |
| Do | do | - | - | - | - | Webber Furbish | - | Hallowell, Me. | Aug. 19, | do |
| Do | do | - | - | - | - | John Shull | - | New Petersburg, O. | Aug. 19, | do |
| Do | do | - | - | - | - | Jesse Barber | - | Sweden, N. Y. | Aug. 30, | do |
| Do | do | - | - | - | - | Wilson Gregory | - | Richmond, Va. | Sept. 9, | do |
| Do | do | wringing clothes and heating water | - | - | - | James Luekey | - | Troy, N. Y. | Nov. 19, | do |
| Do | do | - | - | - | - | Miles B. Hand | - | Lockport, N. Y. | Dec. 14, | do |
| Do | do | - | - | - | - | David Watson | - | Fayette, Me. | Dec. 23, | do |
| Window blinds, securing | - | - | - | - | - | William H. Mackrell | - | Bushwick, N. Y. | June 13, | do |
| Do | do | called "The Retaining Blind" | - | - | - | Nathan Palmer | - | New York | June 13, | do |
| Do | and door fastenings | - | - | - | - | James R. Post | - | Do | July 21, | do |

LIST OF PATENTEES—COMMON TRADES.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---------------------|-------------------|----------------------------|----------------|
| Angevine, Caleb | New York | Churn, pendulum | Feb. 28, 1831. |
| Anthony, jr., David | Adams, Ms. | Horse shoes | April 8, do |
| Appleton, James | Richmond, Va. | Washing machine | |
| Belt, Rufus | Centreville, Ky. | Bedstead | Feb. 22, do |
| Bishop, Luna | Readsborough, Va. | Bellows | Dec. 22, do |
| Baker, Cyrus | Charlton, N. Y. | Churn | June 13, do |
| Bailey, Amon | Poultney, Vt. | Do | Oct. 6, do |

LIST OF PATENTEES—COMMON TRADES—Continued.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|------------------------------------|-----------------------|---|----------------|
| Bassford, Ab'm - | New York - | Cushions for billiard tables - - - | July 20, 1831. |
| Buck, James - | Bucksport, Me. - | Fastenings, spring door catch - - - | Sept. 28, do |
| Barber, Jesse - | Sweden, N. Y. - | Washing machine - - - | Aug. 30, do |
| Cole, John, and Sam'l Miller - | Washington co., O. - | Barrels, &c., manufacturing - - - | Sept. 29, do |
| Coe, Elias V. - | Warwick, N. Y. - | Churning cream by atmospheric air - - - | April 7, do |
| Craik, Joseph - | Warren, O. - | Churn - - - | May 5, do |
| Clark, Jos., and H. Henderson - | Baltimore, Md. - | Crackers, biscuit, &c., machine for cutting - - - | June 13, do |
| Clibborn, Edward - | Cincinnati, O. - | Furniture, house, ship, and camp - - - | Sept. 12, do |
| Cromelin, Rowland - | New York - | Matresses, sofas, &c. - - - | Nov. 7, do |
| Coston, Benton P. - | Philadelphia, Pa. - | Meat chopping, &c. - - - | June 13, do |
| Conser, Jno. G. - | Rebersburg, Pa. - | Staves, machine for dressing - - - | Jan. 31, do |
| Crane, Jona. - | Schenectady, N. Y. - | Stone drilling, &c. - - - | June 13, do |
| Carlock, Wm. - | Baltimore, Md. - | Stock for the neck - - - | Aug. 9, do |
| Converse, Edw'd M. - | Southington, Ct. - | Ware manufacturing from tinned plate, &c. - - - | July 20, do |
| Conser, Jno. G. - | Miles township, Pa. - | Washing machine - - - | April 21, do |
| Doty, Zuri S. - | Massillon, O. - | Churn - - - | Aug. 31, do |
| Deitz, Jno. - | New York - | Horse shoes - - - | April 22, do |
| Dawley, Aug's S. - | Boston, Ms. - | Leather, &c., shaving and cutting - - - | Mar. 22, do |
| Domett, Geo. - | Boston, Ms. - | Leather, &c., cutting, at one operation - - - | July 20, do |
| Dearborn, Nathan H. - | Conway, N. H. - | Sawing furrow boards - - - | Dec. 28, do |
| Davis, Samuel - | New York - | Ware, hollow, manufacturing of zinc - - - | April 18, do |
| Eastman, Joel - | Bath, N. H. - | Bellows for blowing by steam - - - | April 8, do |
| Emes, Rob't - | Boston, Ms. - | Leather, scouring, &c. - - - | Nov. 21, do |

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|--|---|---------------------|---|---|---|-----------|----|
| Do | - | Do | - | Morocco, &c., polishing, graining, &c. | - | April 20, | do |
| Do | - | Do | - | Do do do and diceing | - | Nov. 21, | do |
| Eby, Geo. | - | Clarence, N. Y. | - | Staves, jointing, &c. | - | April 14, | do |
| French, Josiah | - | Ware, Ms. | - | Beds, manufacturing spring | - | Aug. 25, | do |
| Fox, David | - | Ashtabula, O. | - | Brick moulding | - | Aug. 15, | do |
| Fairlamb, Jonas P., & Miller Dunot | - | Wilmington, Del. | - | Crackers, &c., machine for cutting | - | June 13, | do |
| Foster, Leonard | - | Boston, Ms. | - | Fastening mortise door | - | Feb. 25, | do |
| Ferrin, Otis | - | Lansingburgh, N. Y. | - | Painting cloth | - | Nov. 28, | do |
| Fahrney, Sam'l | - | Boonsboro', Md. | - | Sausage meat, machine for cutting and stuffing | - | Feb. 1, | do |
| Fobes, Isaac | - | Bridgewater, Ms. | - | Staves, jointing | - | Aug. 3, | do |
| Fay, Josiah | - | Hollis, N. H. | - | Tenons, cutting | - | 29, | do |
| Furbish, Webber | - | Hallowell, Me. | - | Washing machine | - | 19, | do |
| Gambel, William | - | Baltimore, Md. | - | Bedstead | - | Aug. 25, | do |
| Groning, Rodolph | - | New Orleans | - | Hair, shaving, from deer skin | - | Oct. 10, | do |
| Genung, Ira | - | Newark, N. J. | - | Leather punching for straps, &c. | - | July 30, | do |
| Greenwood, Wm. A. | - | Palmer, N. Y. | - | Pegs, machine for pointing | - | Feb. 19, | do |
| Gregory, Wilson | - | Richmond, Va. | - | Washing machine | - | Sept. 9, | do |
| Hull, Alonzo G. | - | New York | - | Bed, elastic spring, with an elevating and depressing surface | - | Oct. 1, | do |
| Hurd, Merrit | - | Augusta, N. Y. | - | Dye wood, machine for cutting | - | July 22, | do |
| Henderson, Jas., and Cooper K. Watson | - | Zanesville, O. | - | Garments, machine for cutting, &c. | - | Oct. 22, | do |
| Heatwoal, Gab. | - | Harrisonburg, Va. | - | Hoops, machine for shaving | - | July 27, | do |
| Hobbs, jr., Jona. | - | Falmouth, Ms. | - | Shingles, machine for sawing | - | Aug 18, | do |
| Holdredge, Wm. | - | Albany, N. Y. | - | Stone drilling and boring | - | Nov. 10, | do |
| Hinkley, Benj. | - | Fayette, Me. | - | Washing machine | - | Jan. 31, | do |
| Hale, Jno. | - | Hollis, N. H. | - | Do | - | April 20, | do |
| Hockett, Nathan | - | Snow Hill, O. | - | Do with or without steam | - | Aug. 6, | do |
| Hand, Miles B. | - | Lockport, N. Y. | - | Do | - | Dec. 14, | do |
| Jameson, Jacob | - | Springfield, O. | - | Laths cutting from boards | - | Aug. 24, | do |

LIST OF PATENTEES—COMMON TRADES—Continued.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|-------------------------------|------------------------|---|----------------|
| Judge, Jno. - | Washington, D. C. - | Planks, piles, &c., sticking mouldings on them - | June 13, 1831. |
| Jacobs, Renel - | Wilton, N. Y. - | Sawing boards, "Economical Sawyer" - | Feb. 22, do |
| Jinkham, Samuel - | Enfield, Ms. - | Washing machine - - - - | June 13, do |
| Kimball, Philip H. - | Salem, Ms. - | Churn, Lever - - - - | June 13, do |
| Kirkpatrick, Andrew - | Urbana, O. - | Mortar, machine for mixing - - - - | Nov. 12, do |
| Kirk, Josiah W. - | Schuylkill co., Pa. - | Ornaments making from coal - - - - | June 13, do |
| Lowe, Jona. - | Whitesborough, N. Y. - | Bedstead, metamorphosic alleviator - - - - | Nov. 21, do |
| Lane, Ebenezer - | Cincinnati, O. - | Planing boards - - - - | Oct. 26, do |
| Lodge, B. F., and E. T. Cox - | Zanesville, O. - | Stone, machine for breaking - - - - | April 13, do |
| Lucky, James - | Troy, N. Y. - | Washing and wringing clothes, and heating water - | Nov. 19, do |
| Millis, Nichosen - | New York - | Boots and shoes manufacturing with nails or pegs - | Mar. 21, do |
| Mewhinney, Johnson - | Liberty township, O. - | Churn - - - - | July 30, do |
| McKinney, Jno. - | West Chester, O. - | Cradle, swinging by the pendulum power of a clock - | June 13, do |
| Mapes, Jas. J. - | New York - | Knife, tobacco - - - - | Jan. 22, do |
| Madison, Channing - | Miamisburg - | Laths, circular saw for sawing - - - - | April 4, do |
| Marsh, Henry - | Morristown, N. J. - | Mortising machine - - - - | June 13, do |
| Mulford, M. D. - | Bloomfield, N. Y. - | Washing machine - - - - | April 5, do |
| Mackrell, Wm. H. - | Bushwick, N. Y. - | Window blinds, securing - - - - | June 13, do |
| Newhall, Jno. - | Dayton, O. - | Washing, pressing, ironing, crimping, &c. - | June 13, do |
| Ore, Caleb A. - | Philadelphia, Pa. - | Boots and shoes, manufacturing - - - - | May 5, do |
| Parkhurst, Aaron - | Scriba, N. Y. - | Clay, machine for mixing - - - - | April 11, do |
| Pudney, Jno. - | Waterford, N. Y. - | Garments, machine for cutting, called the "American System" - - - - | Sept. 3, do |
| Percival, Jos. - | Philadelphia, Pa. - | Planing boards, &c. - - - - | July 20, do |

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|----------------------------------|---|----------------------|---|---|---|---|---|---|-----------|-----|
| Parke, Larmon, and Iram Brewster | - | Schoharie, N. Y. | - | Stone, cutting, &c. | - | - | - | - | Oct. 10, | do |
| Partridge, Jno. | - | Zanesville, O. | - | Wooden ware without staves | - | - | - | - | April 16, | do |
| Palmer, Nathan | - | New York | - | Window blinds | - | - | - | - | June 13, | do |
| Post, James R. | - | Do | - | Do and door fastenings | - | - | - | - | July 21, | do |
| Robbins, Joshua N. | - | Troy, Missouri | - | Bedstead, parturient invalid | - | - | - | - | Oct. 20, | do |
| Ross, Talmage | - | Pickaway, O. | - | Churn, and working it | - | - | - | - | Jan. 26, | do |
| Richardson, Alpha | - | Boston, Ms. | - | Leather, machine for splitting | - | - | - | - | April 23, | do |
| Reed, Cheney | - | Worcester, Ms. | - | Shingles, rotary shave, &c. for sawing | - | - | - | - | Sept. 28, | do |
| Swett, jr., Sam'l | - | Readfield, Me. | - | Churn | - | - | - | - | June 13, | do |
| Smith, David | - | Emmettsburg, Md. | - | Churn | - | - | - | - | April 21, | do |
| Stiles, Jno. S. | - | Baltimore, Md. | - | Crackers, biscuit, &c., machine for cutting | - | - | - | - | Aug. 9, | do |
| Smith, Lewis T. C. | - | Scott county, Ky. | - | Horse shoes | - | - | - | - | Dec. 15, | do. |
| Seely, Oran W. | - | Williamson, N. Y. | - | Mortar preparing for brick | - | - | - | - | July 20, | do |
| Sower, Brook W. | - | Leesburg, Va. | - | Quilting frame | - | - | - | - | Dec. 23, | do |
| Sherman, Levi | - | Bridgeport, Ct. | - | Saddles, manufacturing | - | - | - | - | Jan 18, | do |
| Shepardson, Daniel | - | Hamilton, N. Y. | - | Tire, hoops, &c., bending | - | - | - | - | Feb. 7, | do |
| Shull, Jno. | - | New Petersburg, O. | - | Washing machine | - | - | - | - | Aug. 19, | do |
| Tileston, Wales | - | Charlemont, Ms. | - | Boots and shoes, soling and heeling with pegs | - | - | - | - | Aug. 18, | do |
| Tees, Jacob | - | Kensington, Pa. | - | Planing, edging, and grooving boards | - | - | - | - | June 13, | do |
| Thomas, William | - | Farmington, Mich. T. | - | Shingles, manufacturing | - | - | - | - | Aug. 25, | do |
| Tackels, Jno B. | - | Pomfret, N Y. | - | Staves, dressing, &c. | - | - | - | - | July 20, | do |
| Truman, Jos. M. | - | Philadelphia, Pa. | - | Tin plate, coating with lead | - | - | - | - | Sept. 29, | do |
| Van Anken, 2d, James | - | Knox, N. Y. | - | Churn | - | - | - | - | Sept. 28, | do |
| Woolley, Williams | - | New York | - | Bedstead or hospital chair | - | - | - | - | Sept. 28, | do |
| Do | - | Do | - | Do secret, for sofas and settees | - | - | - | - | Oct. 3, | do |
| Whittemore, Herald | - | Worcester, Ms. | - | Clapboards, making from round logs | - | - | - | - | Aug. 26, | do |
| Wilson, Increase | - | New London, Ct. | - | Door knockers, cast iron, with brass plates | - | - | - | - | Mar. 11, | do |
| White, Jno. | - | South Union, Ky. | - | Washing and churning machine | - | - | - | - | April 11, | do |
| Watson, David | - | Fayette, Me. | - | Washing machine | - | - | - | - | Dec. 23, | do |

LIST OF PATENTS—LAND WORKS

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|--------------------------------|----------------------|----------------|
| Ascending and descending inclined planes, rivers and canals, with steam engines or other locomotive power on board, or within the vessels or vehicles, to be moved, &c. | James Stimpson | Baltimore, Md. | Aug. 23, 1831. |
| Car, self-guiding and accommodating locomotive | Levin Clark | Do | Sept. 28, do |
| Do railroad, running on a single rail | Chas. F. Zimpel | New Orleans | Oct. 15, do |
| Do do self-directing | Lewis Wernwag | Harper's Ferry, Va. | Nov. 16, do |
| Carriage, locomotive, and rails adapted thereto | Emmor Kimber | Kimberton, Pa. | Mar. 5, do |
| Do and wagons for railroads, by which the flanges of the wheels are prevented from impinging on the rails | William Howard | Baltimore, Md. | April 23, do |
| Do railway | William Bryant and Isaac Hiett | Davidson co., Tenn. | June 13, do |
| Cart, self balanced hand | Geo. Coolidge | Watertown, Mass. | June 13, do |
| Earth, stones, &c., machine for removing | Shadrack Davis, jr. | N'th Darmouth, Mass. | Feb. 22, do |
| Excavating canals, ditches, &c. | William Graham | New Orleans | Sept. 5, do |
| Excavator and self loading cart | Manoah Alden and Wm. T. Boyd | Northumberland, Pa. | July 20, do |
| Do inclined plane | Dudley Marvin | Canandaigua, N. Y. | Sept. 2, do |
| Pavement, cemented, for paving streets | John L. Sullivan | New York | Oct. 20, do |
| Do do do | Do | Do | Nov. 9, do |
| Propelling railroad carriages | Abm. Pawling | Philadelphia, Pa. | Mar. 9, do |
| Rails or plates, used for railroad carriage wheels | James Stimpson | Baltimore, Md. | Aug. 23, do |
| Railway and car, safety | Alex. McGrew | Cincinnati, O. | June 13, do |
| Scraper, excavating | Dudley Marvin | Canandaigua, N. Y. | Sept. 2, do |

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| Stump machine - - - - - | Abijah Gorham - | Turner, Me. - | Jan'y 7, do |
| Do do - - - - - | Willard Foster - | Owego, N. Y. - | April 22, do |
| Switches, opening and shutting, upon railroads - | James Stimpson - | Baltimore, Md. - | Aug 23, do |
| Turnabout, a machine used upon railroads and elsewhere | Do - | Do - | Aug. 23, do |
| Turning short, curves upon railroads - - - - | Do - | Do - | Aug. 23, do |
| Wheels for railroad carriages - - - - - | Do - | Do - | Aug. 23, do |
| Do do cars, to prevent friction - - - - | Sam'l Krauser - | Reading, Pa. - | Nov. 2, do |

LIST OF PATENTEES—LAND WORKS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|----------------------------------|----------------------|--|----------------|
| Alden, M., and Wm. T. Boyd - - | Northumberland, Pa. | Excavator and self loading cart - - - | July 20, 1831. |
| Bryent, Wm., and Isaac Hiett - - | Davidson co., Tenn. | Carriage, railway - - - - - | June 13, do |
| Clark, Levin - - | Baltimore, Md. - | Car, self guiding, and locomotive carriage - - - | Sept. 28, do |
| Goolidge, Geo. - | Watertown, Mass. - | Cart, self balanced hand - - - - | June 13, do |
| Davis, jr., Shad'k - | N. Dartmouth, Mass. | Earth, stones, &c., machine for removing - - - | Feb. 22, do |
| Foster, Willard - | Owego, N. Y. - | Stump machine - - - - - | April 22, do |
| Graham, Wm. - | New Orleans - | Excavating canals, ditches, &c. - - - | Sept. 5, do |
| Gorham, Abijah - | Turner, Me. - | Stump machine - - - - - | Jan'y 7, do |
| Howard, William - | Baltimore, Md. - | Carriage for railroads, by which the flanges of the wheels are prevented from impinging on the rails - | April 23, do |
| Krauser, Samuel - | Reading, Pa. - | Wheels for railroad cars, to prevent friction - - - | Nov. 2, do |
| Kimber, Emmor - | Kimberton, Pa. - | Carriage, locomotive, and rails adapted thereto - - | Mar. 5, do |
| Marvin, Dudley - | Canandaigua, N. Y. - | Excavator, inclined plane - - - - | Sept. 2, do |

LIST OF PATENTEES—LAND WORKS—Continued.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---------------------|---------------------|---|----------------|
| Marvin, Dudley | Canandaigua, N. Y. | Scraper, excavating | Sept. 2, 1831. |
| McGrew, Alex'r | Cincinnati, O. | Railway and car, safety | June 13, do |
| Abm. Pawling | Philadelphia, Pa. | Propelling railroad carriages | Mar. 9, do |
| Stimpson, James | Baltimore, Md. | Ascending and descending inclined planes, rivers, &c. | Aug. 23, do |
| Sullivan, John L. | New York | Pavement, cemented | Oct. 20, do |
| Do | Do | Do do | Nov. 9, do |
| Stimpson, James | Baltimore, Md. | Rails or plates for railroad carriage wheels | Aug. 23, do |
| Do | Do | Switches, opening and shutting upon railroads | Aug. 23, do |
| Do | Do | Turnabouts, used upon railroads and elsewhere | Aug. 23, do |
| Do | Do | Turning short curves upon railroads | Aug. 23, do |
| Do | Do | Wheels for railroad carriages | Aug. 23, do |
| Wernwag, Lewis | Harper's Ferry, Va. | Car, railroad, self directing | Nov. 16, do |
| Zimpel, Chas. F. | New Orleans | Do do running on a single rail | Oct. 15, do |

LIST OF PATENTS—NAVIGATION.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|-----------------------------|-------------------|---------------|
| Boats for transportation of passengers, &c. | N. Cushman and Isaac Loomis | White Hall, N. Y. | Jan. 8, 1831. |
| Canal navigation by boats | Samuel D. Ingham | New Hope, Pa. | April 19, do |
| Caulking ships and other vessels | Nicholas W. Chavalier | Baltimore, Md. | Dec. 27, do |

| | | | | | | | | |
|---|---|---|---|--|--------------------|---|-----------|----|
| Dock hydrostatic suspension | - | - | - | Thos. Evans & John Parsons | New York | - | May 13, | do |
| Moulds for shaping timbers of boats | - | - | - | Jas. Wallace | Rochester, N. Y. | - | Aug. 9, | do |
| Navigation and application of steam, men, or other agents | - | - | - | Wm. W. Van Loan | New York | - | Jan. 15, | do |
| Paddle wheel for steamboats, &c. | - | - | - | Timothy Hunt | Boston, Ms. | - | Feb. 17, | do |
| Paddle wheel, and manner of connecting two vessels to be propelled by said wheels and means of steam | - | - | - | Benjamin Phillips | Philadelphia, Pa. | - | June 13, | do |
| Propelling vessels by a screw or spiral lever | - | - | - | Jno. J. Giraud | Baltimore, Md. | - | April 29, | do |
| Do boats and craft by the agency of the power of man | - | - | - | Alexander Renoir | New Orleans | - | July 20, | do |
| Railway, marine | - | - | - | Jno. G. Colley | Norfolk, Va. | - | Sept. 1, | do |
| Raising, vessels out of the water | - | - | - | Joshua Cheves | Elmyra, N. Y. | - | Mar. 5, | do |
| Raising vessels, &c., weighing anchors, discharging cargoes, removing buildings, &c. by means of the elevating power engine and compressing machine | - | - | - | Benjamin Bruff | Rochester, N. Y. | - | Sept. 13, | do |
| Sheaves of blocks | - | - | - | Caleb Curtis and Th. C. Smith | Boston, Ms. | - | April 20, | do |
| Ships, mode of constructing | - | - | - | Jos. R. Deming | New York | - | 15, | do |
| Steamboat for the passage of rapids | - | - | - | Thos. Blanchard | Springfield, Mass. | - | Mar. 25, | do |
| Timber, hewing, dubbing, and dressing for ships | - | - | - | Jno. Judge | Washington, D. C. | - | April 27, | do |
| Vessels, moving, on rollers | - | - | - | Richard P. Joralemon and Isaac Lockman | Northfield, N. Y. | - | 16, | do |
| Water wheel for propelling boats, improvement on Antrim and Bolton's | - | - | - | Phineas Palmiter, jr. | Jamestown, N. Y. | - | 14, | do |
| Water wheel for propelling boats | - | - | - | Asa Waters | Millbury, Ms. | - | 30, | do |

LIST OF PATENTEES—NAVIGATION.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|--|-------------------|--|-----------------|
| Bruff, Benjamin | Rochester, N. Y. | Raising vessels, weighing anchors, discharging cargoes, removing buildings, &c. by the elevating power engine, &c. | Sept. 13, 1831. |
| Blanchard, Thos. | Springfield, Ms. | Steamboat for the passage of rapids | Mar. 25, do |
| Chavalier, Nich's W. | Baltimore, Md. | Caulking ships and other vessels | Dec. 27, do |
| Colley, Jno. G. | Norfolk, Va. | Railway marine | Sept. 1, do |
| Cleeves, Joshua | Elmyra, N. Y. | Raising vessels out of the water | Mar. 5, do |
| Curtis, Caleb, & Thos. C. Smith | Boston, Ms. | Sheaves of blocks | April 20, do |
| Cushman, N., & Isaac Loomis | White Hall, N. Y. | Boats, transporting passengers, &c. | Jan. 8, do |
| Deming, Jos. R. | New York | Ships, mode of constructing | April 15, do |
| Evans, Thos., & Jno. Parsons | New York | Dock, hydrostatic suspension | May 13, do |
| Giraud, Jno. J. | Baltimore, Md. | Propelling vessels by screw or spiral lever | April 29, do |
| Hunt, Timothy | Boston, Ms. | Paddle wheel for steamboats, &c. | Feb. 17, do |
| Ingham, Sam'l D. | New Hope, Pa. | Canal navigation by boats | April 19, do |
| Judge, Jno. Joralemon, Rd. P., & Isaac Lockman | Washington, D. C. | Timber, hewing, dubbing, and dressing for ships | 27, do |
| Phillips, Benjamin | Northfield, N. Y. | Vessels, moving, on rollers | 16, do |
| Palmiter, jr., Phineas | Philadelphia, Pa. | Paddle wheel, and manner of connecting two vessels to be propelled by said wheels and steam | June 13, do |
| Renoir, Alex. | Jamestown, N. Y. | Water wheel for propelling boats, &c. | April 14, do |
| Van Loan, Wm. W. | New Orleans | Propelling boats, &c. by the power of man | July 20, do |
| Wallace, Jas. | New York | Navigation and application of steam, men, &c. | Jan. 15, do |
| Waters, Asa | Rochester, N. Y. | Moulds for shaping timbers of boats | Aug. 9, do |
| | Millbury, Ms. | Water wheel for propelling boats, &c. | April 30, do |

LIST OF PATENTS—CALORIFIC AND STEAM APPARATUS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|---------------------|--------------------|---------------|
| Baker, tin | Gordin Williston | New London, Ct. | Jan. 11, 1831 |
| Do and roaster, economical | Philip Wilcox | Springfield, Mass. | Sept. 25, do |
| Bath, steam, applying simple or medicated | Boyd Reilley | Cincinnati, O. | Feb. 5, do |
| Beer, composition for making | Stephen Hinds | Montrose, Pa. | May 11, do |
| Boiler, compound furnace steam | Levi Disbrow | New York | Feb. 18, do |
| Do and furnace for steam engines | Saml. Forbes | Do | Mar. 17, do |
| Do of steam engine, and apparatus connected therewith | Philo C. Curtis | Utica, N. Y. | May 3, do |
| Do safety steam | Jno. C Douglas | New York | July 20, do |
| Do steam | Peter Cooper | Do | Oct. 13, do |
| Do do and regulating the height of water therein | Dummer H. Hooper | New Albany, Ind. | Oct. 31, do |
| Do do engine | Isaiah Jennings | New York | Dec. 21, do |
| Do for generating steam | Philo M. Hackley | Herkimer, N. Y. | Dec. 27, do |
| Boiling liquids of all kinds | Richd. M. Beach | Franklin, N. Y. | April 7, do |
| Blowing wind for forges, &c. | Daniel Strobel, jr. | Washington, D. C. | May 9, do |
| Chandelier, or hanging lamp | Wm. Lawrence | Meriden, Ct. | Mar. 23, do |
| Chimneys, prevent smoking, called the "smoke preventer" | Levi Silliman | Albany, N. Y. | July 20, do |
| Do cleaning | Thos. Hinkley | Hallowell, Me. | Oct. 7, do |
| Do constructing | Henry Antes | Harrisburg, Pa. | Oct. 24, do |
| Do regulating the draft, chimney valve | Jno. Baker | Lancaster, Pa. | Oct. 28, do |
| Coal, anthracite, high steam, and hydrogen gas, applied to produce combustion in the use of it | Paul Chase | New York | Oct. 7, do |
| Coke, manufacturing from anthracite or other coal for smelting ores and the preparation of steel | Moses Isaacs | Philadelphia, Pa. | April 7 do |
| Distilling | Jno. Cairon | New York | Jan. 10, do |
| Do apparatus | Chas. Otis | Tunkhannock, Pa. | Feb. 16, do |

LIST OF PATENTS—CALORIFIC AND STEAM APPARATUS—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|--------------------------------|-------------------------|--------------|
| Distilling - - - - - | Jas. L. Jencks - | Sackett's Harbor, N. Y. | May 2, 1831. |
| Do or preparing alcohol or spirits from grain, &c. and employing the residuum advantageously - | Isaiah Jennings - | New York - | June 13, do |
| Do and evaporation - - - - - | Alexr. Matthews - | Island Creek, Tp. O. | June 13, do |
| Do patent of Jan 10, 1831, cancelled on account of a defective specification - - - - - | Jno. Cairon - | Boston, Ms. - | Aug. 22, do |
| Do - - - - - | Lemuel W. Wright - | London, England - | Sept. 28, do |
| Explosion, &c. of boilers, preventing - - - - - | Wm. A. Turner - | Washington co. N. C. | Mar. 15, do |
| Do do do and burning - - - - - | Do - | Do - | April 6, do |
| Fire, alarm, self acting - - - - - | Ithiel S Richardson - | New Market, N. H. | Aug. 15, do |
| Do place and oven - - - - - | Jona. Knight - | Stoddard, N. H. - | Dec. 15, do |
| Furnace, to generate steam for culinary purposes - - - - - | Jesse Reed - | Marshfield, Mass. - | Jan. 5, do |
| Do for heating tire - - - - - | Dudley Marvin - | Canandaigua, N. Y. | Jan. 21, do |
| Do blast and cupola for melting iron - - - - - | Jno. Pattarson - | Warwick, N. Y. - | June 13, do |
| Do for heating hatters' irons - - - - - | Danl. L. Tuthill - | New York - - - - - | Nov. 8, do |
| Gas, manufacturing, for illuminating purposes - - - - - | Jos. Boston - | Do - - - - - | Feb. 11, do |
| Do meters - - - - - | Henry Robinson - | Boston, Mass. - | Mar. 10, do |
| Do generating and continuing light from oil, &c. - - - - - | Soln. Andrews - | Perth Amboy, N. J. | April 15, do |
| Do do by means of a spirit lamp, &c. - - - - - | Do - | Do - - - - - | May 5, do |
| Heat, machinery for regulating - - - - - | Leml. W. Wright - | London, England - | Aug. 25, do |
| Kiln, for burning lime - - - - - | Jos. M. Downing - | Bristol, Pa. - | Aug. 25, do |
| Lamps, applying the principle of Argand to common lamps - - - - - | Lewis F. Gallup - | Woodstock, Vt. - | Mar. 9, do |
| Do construction of - - - - - | Jno. W. Shulz and Joel Trull - | Medford, Mass. - | Mar. 19, do |

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| Do manufacturing from wood | - | - | - | Jos. H. Mather | - | Saybrook, Ct. | - | July 20, | do |
| Do for burning evaporable ingredients | - | - | - | Isaiah Jennings | - | New York | - | Aug. 1, | do |
| Light, producing by a combination of liquids as a substitute for oil | - | - | - | Do | - | Do | - | June 13, | do |
| Mantels for fire places | - | - | - | Elijah Skinner | - | Sandwich, N. Y. | - | July 20, | do |
| Metallurgical operations, by the introduction of chemical agents | - | - | - | Richard Willcox | - | Patterson, N. J. | - | April 5, | do |
| Do do for improving the manipulation of metals with anthracite coal | - | - | - | Do | - | Do | - | April 5, | do |
| Do do for improving the manipulation of metals with bituminous coals, charcoal, coke wood, &c. | - | - | - | Do | - | Do | - | April 5, | do |
| Oven, double, in chimneys or large bakeries | - | - | - | Reuben Bacon and Wm. E. Marshall | - | Walpole, N. H. | - | Feb. 9, | do |
| Do portable | - | - | - | Wm. Goddard | - | Portsmouth, N. H. | - | Oct. 12, | do |
| Do perpetual rotary | - | - | - | J. L. D. Mathies | - | Rochester, N. Y. | - | Dec. 21, | do |
| Safety valve, hydrostatic, for steam boilers | - | - | - | Thos. Ewbank | - | New York | - | Aug. 27, | do |
| Salt, coarse, manufacturing from salt water | - | - | - | Aaron Barnes | - | Deerfield, N. Y. | - | Sept. 25, | do |
| Sirup or cane juice, concentrated by steam | - | - | - | Daniel Strobel, jr. | - | Washington, D. C. | - | May 9, | do |
| Do apparatus for filtering and washing animal black used in clarifying sugar, for the use of sugar boilers | - | - | - | Thos. Oxnard | - | Cumberland, Me. | - | Aug. 6, | do |
| Steam engine, double chamber rotary | - | - | - | Joel Eastman | - | Bath, N. H. | - | Feb. 18, | do |
| Do do | - | - | - | Hugh Gordon | - | New York | - | Feb. 28, | do |
| Do do rotary | - | - | - | Abel Greenleaf | - | Paris, N. Y. | - | April 18, | do |
| Do do do | - | - | - | Ebenr. R. Hale | - | Hyde Parke, N. Y. | - | June 13, | do |
| Do do do called the "steam lever rotary" | - | - | - | Jno. Catlin and Calvin Fletcher | - | Cincinnati, O. | - | June 13, | do |
| Do do machinery | - | - | - | Wm. A. Turner | - | Washington co. N. C. | - | July 21, | do |
| Do do re-acting | - | - | - | Ambrose Foster and Wm. Avery | - | Brutus, N. Y. Salina, N. Y. | - | Sept. 28, | do |

LIST OF PATENTS—CALORIFIC AND STEAM APPARATUS—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|---|----------------------|----------------|
| Steam engine - - - - | J. S. Richardson - | New Market, N. H. | Oct. 17, 1831. |
| Do do rotary or pump - - - - | Oliver Allen - | Norwich, Ct. - | Nov. 8, do |
| Stove, cylindrical, sheet iron, used in burning anthracite, by appropriating heated air to culinary purposes | Emma Steinhauer - | Philadelphia, Pa. - | Feb. 3, do |
| Do conical - - - - | Stephen C. Roe - | New York - | Mar. 3, do |
| Do for stone coal - - - - | Urban B. A. Lange - | Philadelphia, Pa - | May 3, do |
| Do cooking - - - - | Elisha Bates and Da- vid Updegraff - | Mount Pleasant, O. - | July 20, do |
| Do - - - - | Thos. Woolson - | Claremont, N. H. - | July 20, do |
| Do anthracite cooking - - - - | Waller Bryant - | Boston, Mass. - | Sept. 13, do |
| Do Boston do - - - - | Saml. Beals - | Do - | Oct. 1, do |
| Do - - - - | Powell Staekhouse - | Philadelphia, Pa. - | Dec. 22, do |
| Sugar, manufacturing - - - - | Wm. A. Archbald - | New York - | Aug. 16, do |
| Do do - - - - | Lemuel W. Wright - | London, England - | Aug. 25, do |

LIST OF PATENTEES—CALORIFIC AND STEAM APPARATUS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---------------------|----------------------|---|----------------|
| Antes, Henry - | Harrisburg, Pa. - | Chimneys, constructing - - - - | Oct. 24, 1831. |
| Andrews, Sol'n - | Perth Amboy, N. J. - | Gas, generating, and continuing light from oil, &c. - | April 15, do |
| Do - | Do - | Do do by means of a spirit lamp - - - - | May 5, do |

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| Allen, Oliver - | Norwich, Ct. - | Steam engine, rotary or pump - | Nov. 8, do |
| Archibald, Wm. A. - | New York - | Sugar, manufacturing - | Aug. 16, do |
| Beach, Richard M. - | Franklin, N. Y. - | Boiling liquids of all kinds - | April 7, do |
| Baker, John - | Lancaster, Pa. - | Chimney valve - | Oct 28, do |
| Boston, Jos. - | New York - | Gas, manufacturing - | Feb. 11, do |
| Bacon, Beuben, & W. E. Marshall - | Walpole, N. H. - | Oven, double, in chimneys - | Feb. 9, do |
| Barnes, Aaron - | Deerfield, N. Y. - | Salt, manufacturing, coarse - | Sept. 5, do |
| Bates, Elisha, and David Updegraff - | Mount Pleasant, O. - | Stove, cooking - | July 20, do |
| Bryent, Walter - | Boston, Mass. - | Do do Anthracite - | Sept. 13, do |
| Beais, Samuel - | Do - | Do do Boston - | Oct. 1, do |
| Curtis, Philo C. - | Utica, N. Y. - | Boiler, steam engine - | May 3, do |
| Cooper, Peter - | New York - | Do do - | Oct. 13, do |
| Chase, Paul - | Do - | Coal, anthracite, high steam, and hydrogen gas, applied to produce combustion - | Oct. 7, do |
| Cairon, John - | Do - | Distilling - | Jan. 10, do |
| Do | Boston, Ms. - | Do (Patent of January 10, 1831, cancelled) - | Aug. 22, do |
| Catlin, John, and Calvin Fletcher - | Cincinnati, O. - | Steam engine, lever steam rotary - | June 13, do |
| Disbrow, Levi - | New York - | Boiler, compound furnace steam - | Feb. 18, do |
| Douglas, John C. - | Do - | Do safety steam - | July 20, do |
| Downing, Jos. M. - | Bristol, Pa. - | Kiln for burning lime - | Aug. 25, do |
| Ewhank, Thomas - | New York - | Safety-valve, hydrostatic, for steam boilers - | Aug. 27, do |
| Eastman, Joel - | Bath, N. H. - | Steam engine, double rotary - | Feb. 18, do |
| Forbes, Samuel - | New York - | Boiler and furnace for steam engines - | Mar. 17, do |
| Foster, Ambrose, and William Avery - | Brutus, N. Y. - | | |
| | Salina, N. Y. - | Steam engine, reacting - | Sept. 28, do |
| Gallup, Lewis F. - | Woodstock, Vt. - | Lamps, applying the principle of Argand to common - | Mar. 9, do |
| Goddard, William - | Portsmouth, N. H. - | Oven, portable - | Oct. 12, do |
| Gordon, Hugh - | New York - | Steam engine - | Feb. 28, do |

LIST OF PATENTEES—CALORIFIC AND STEAM APPARATUS—Continued.

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| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|----------------------|-------------------------|---|----------------|
| Greenleaf, Abel - | Paris, N. Y. - | Steam engine, rotary - - - - | April 18, 1831 |
| Hinds, Stephen - | Montrose, Pa. - | Beer, composition for making - - - | May 11, do |
| Hooper, Dummer H. - | New Albany, Inda. - | Boiler, and regulating the heat of water therein - | Oct. 31, do |
| Hackley, Philo M. - | Herkimer, N. Y. - | Do for generating steam - - - - | Dec. 27, do |
| Hinkley, Thomas - | Hallowell, Me. - | Chimneys, cleaning - - - - | Oct. 7, do |
| Hale, Ebn'r R. - | Hyde Parke, N. Y. - | Steam engine, rotary - - - - | June 13, do |
| Jennings, Isaiah - | New York - | Boiler, steam engine - - - - | Dec. 21, do |
| Jencks, James K. - | Sackett's Harbour, N.Y. | Distilling - - - - | May 2, do |
| Jennings, Isaiah - | New York - | Do or preparing alchohol or spirits from grain, &c. and employing the residuum advantageously - | June 13, do |
| Do - | Do - | Lamp for burning evaporable ingredients - - - | Aug. 1, do |
| Do - | Do - | Light, producing, by a combination of liquids as a substitute for oil - - - - | June 13, do |
| Isaacs, Moses - | Philadelphia, Pa. - | Coke, manufacturing, from Anthracite or other coal - | April 7, do |
| Knight, Jona. - | Stoddard, N. H. - | Fire place and oven - - - - | Dec. 15, do |
| Lawrence, William - | Meriden, Ct. - | Chandelier - - - - | Mar. 23, do |
| Lange, Urban B. A. - | Philadelphia, Pa. - | Stove for stone coal - - - - | May 3, do |
| Matthews, Alex'r - | Island Creek town'p, O. | Distilling and evaporation - - - - | June 13, do |
| Marvin, Dudley - | Canandaigua, N. Y. - | Furnace for heating tire - - - - | Jan'y 21, do |
| Mather, Jos. H. - | Saybrook, Ct. - | Lamps, manufacturing, from wood - - - - | July 20, do |
| Mathies, J. L. D. - | Rochester, N. Y. - | Oven, perpetual, rotary - - - - | Dec. 21, do |
| Otis, Charles - | Tunkhannock, Pa. - | Distilling apparatus - - - - | Feb. 16, do |
| Oxnard, Thomas - | Cumberland, Me. - | Sirup, apparatus for filtering and washing animal black, used in clarifying sugar - - - - | Aug. 6, do |
| Pattarson, John - | Warwick, N. Y. - | Furnace blast and cupola for melting iron - - - | June 13, do |

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|-----------------------------------|---|-----------------------|---|---|---|---|---|---|-------|-----|----|
| Reilley, Boyd | - | Cincinnati, O. | - | Bath, medicated steam | - | - | - | - | Feb. | 5, | do |
| Richardson, Ithiel S. | - | New Market, N. H. | - | Fire alarm, self-acting | - | - | - | - | Aug. | 15, | do |
| Reed, Jesse | - | Marshfield, Mass. | - | Furnace to generate steam for culinary purposes | - | - | - | - | Jan. | 5, | do |
| Robinson, Henry | - | Boston, Mass. | - | Gas meters | - | - | - | - | Mar. | 10, | do |
| Richardson, J. S. | - | New Market, N. H. | - | Steam engine | - | - | - | - | Oct. | 17, | do |
| Roe, Stephen C. | - | New York | - | Stove conical | - | - | - | - | Mar. | 3, | do |
| Strobel, jr., Daniel | - | Washington, D. C. | - | Blowing wind for furnaces | - | - | - | - | May | 9, | do |
| Silliman, Levi | - | Albany, N. Y. | - | Chimneys, smoke preventer | - | - | - | - | July | 20, | do |
| Shulz, John W., and Joel Trull | - | Medford, Mass. | - | Lamps, construction | - | - | - | - | Mar. | 19, | do |
| Skinner, Elijah | - | Sandwich, N. Y. | - | Mantels for fire places | - | - | - | - | July | 20, | do |
| Strobel, jr., Daniel | - | Washington, D. C. | - | Sirup or cane juice, concentrated by steam | - | - | - | - | May | 9, | do |
| Steinhauer, Emma | - | Philadelphia, Pa. | - | Stove, cylindrical sheet iron, used in burning Anthracite coal, by appropriating heated air to culinary purposes | - | - | - | - | Feb. | 3, | do |
| Stackhouse, Powell | - | Do | - | Stove | - | - | - | - | Dec. | 22, | do |
| Turner, William A. | - | Washington co., N. C. | - | Explosion of boilers, preventing | - | - | - | - | Mar | 15, | do |
| Do | - | Do | - | Do do and burning | - | - | - | - | April | 6, | do |
| Tuthill, Daniel L. | - | New York | - | Furnace for heating hatter's irons | - | - | - | - | Nov. | 8, | do |
| Turner, William A. | - | Washington co., N. C. | - | Steam engine machinery | - | - | - | - | July | 21, | do |
| Williston, Gordin | - | New London, Ct. | - | Baker, tin | - | - | - | - | Jan. | 11, | do |
| Willcox, Philip | - | Springfield, Mass. | - | Do and roaster, economical | - | - | - | - | Sept. | 28, | do |
| Wright, Lemuel W. | - | London, England | - | Distilling | - | - | - | - | | 28, | do |
| Willcox, Richard | - | Paterson, N. J. | - | Metallurgical operations, by chemical agents | - | - | - | - | April | 5, | do |
| Do | - | Do | - | Do Anthracite coal | - | - | - | - | | 5, | do |
| Do | - | Do | - | Do Bituminous coal, charcoal coke wood, &c. | - | - | - | - | | 5, | do |
| Woolson, Thomas | - | Claremont, N. H. | - | Stove | - | - | - | - | July | 20, | do |
| Wright, Lemuel W. | - | London, England | - | Sugar, manufacturing | - | - | - | - | Aug. | 25, | do |

LIST OF PATENTS—HYDRAULICS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|----------------------------------|----------------------|----------------|
| Bucket wheel, overshot, used in hydraulic works - | Dean S. Howard - | Lyonsdale, N. Y. | Feb. 16, 1831. |
| Conduit, Self Regulating, for passing water around canal locks - - - - - | Jas. Clarke - | Westmoreland co., Pa | Jan. 25, do |
| Filtrating water and other liquids - - - - - | Jas. Barron, U. States' Navy - - | Philadelphia, Pa. - | Aug. 30, do |
| Fire engine - - - - - | Nathan Pierce - | Whitehall, N. Y. - | Feb. 23, do |
| Ladder, life, escape and fire - - - - - | Jas. Johnson - | Baltimore, Md. - | April 18, do |
| Pipes, or tubes, of a composition of metals - - - - - | Burroughs Titus - | Ulysses, N. Y. - | 19, do |
| Pump, rotary - - - - - | Thos. Sutton - | Norwich, Ct. - | Jan. 28, do |
| Do or engine for raising water and ejecting air - | Jedediah Beckwith - | Saratoga, N. Y. - | April 16, do |
| Do labor saving - - - - - | Daniel Smith - | China, N. Y. - | June 13, do |
| Do double piston - - - - - | Shadrach W. Allen - | Geneva, N. Y. - | July 21, do |
| Do - - - - - | Jesse Reed - | Marshfield, Ms. - | Aug. 5, do |
| Do suction and lifting - - - - - | Elisha Tolles - | Litchfield, Ct. - | Sept. 28, do |
| Do - - - - - | Noble Phelps - | Turin, N. Y. - | Oct 20, do |

LIST OF PATENTEES—HYDRAULICS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|-----------------------------------|---------------------|--|----------------|
| Allen, Shadrack W - | Geneva, N. Y. - | Pump, double piston - - - - - | July 21, 1831. |
| Barron, Jas., U. States' Navy - - | Philadelphia, Pa. - | Filtrating water and other liquids - - - - - | Aug. 30, do |

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|--------------------|-----------------------|---|-----------|----|
| Beckwith, Jedediah | Saratoga, N. Y. | Pump or engine for raising water and ejecting air | April 16, | do |
| Clarke, Jas. | Westmoreland co., Pa. | Conduit, self regulating | Jan 25, | do |
| Howard, Dean S. | Lyonsdale, N. Y. | Bucket wheel, overshot, for hydraulic works | Feb 16, | do |
| Johnson, Jas. | Baltimore, Md. | Ladder, life escape and fire | April 18, | do |
| Pierce, Nathan | Whitehall, N. Y. | Fire engine | Feb. 23, | do |
| Phelps, Noble | Turin, N. Y. | Pump | Oct. 20, | do |
| Reed, Jesse | Marshfield, Ms. | Do | Aug. 5, | do |
| Sutton, Rhos. | Norwich, Ct. | Pump, rotary | Jan. 28, | do |
| Smith, Daniel | China, N. Y. | Do labor saving | June 13, | do |
| Titus, Burroughs | Ulysses, N. Y. | Pipes or tubes | April 19, | do |
| Tolles, Elisha | Litchfield, Ct. | Pump, suction and lifting | Sept. 28, | do |

LIST OF PATENTS—WHEEL CARRIAGES.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|---------------------|--------------------|----------------|
| Axle trees | Rezin Haslup | Baltimore, Md. | Feb. 24, 1831. |
| Do for railway and other wheel carriages | Ross Winans | Do | July 20, do |
| Do hubs and spokes | Garner Wilkinson | White Creek, N. Y. | Dec. 6, do |
| Boxes for hubs of wheels (improvement on patent of January, 27, 1830) | Isaac Cooper | Baltimore, Md. | Feb. 7, do |
| Boxes for wagons, machine for letting in | Orlando A. Fuller | Vernon, N. Y. | Dec. 21, do |
| Rolling lever carriage | Harvey Chapman | Corinth, N. Y. | Mar. 24, do |
| Springs, edging and drawing steel points | Geo. Stoudinger | Newark, N. J. | Jan 11, do |
| Do elliptical steel | Chas. Hinkle | Lehigh co., Pa. | Nov. 12, do |
| Steps for coaches | Geo Car er | Newark, N. J. | 26, do |
| "Wheel, Easy Motion and Pavement Saving" | Felix Varela | New York | July 20, do |

LIST OF PATENTEES—WHEEL CARRIAGES.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|----------------------|----------------------|--|---------------|
| Cooper, Isaac - | Baltimore, Md. - | Boxes for wheel hubs - - - | Feb. 7, 1831. |
| Chapman, Harvey - | Corinth, N. Y. - | Rolling lever carriage - - - | Mar. 24, do |
| Carter, Geo. - | Newark, N. J. - | Steps for coaches - - - | Nov. 26, do |
| Fuller, Orlando A. - | Vernon, N. Y. - | Boxes for wagons, machine for letting in - - - | Dec. 21, do |
| Haslup, Rezin - | Baltimore, Md. - | Axle trees - - - | Feb. 24, do |
| Hinkle, Chas. - | Lehigh co., Pa. - | Springs, elliptical steel - - - | Nov. 12, do |
| Stoudinger, Geo. - | Newark, N. J. - | Springs, edging and drawing steel points - - - | Jan. 11, do |
| Varela, Felix - | New York - | Wheel, easy motion, and pavement saving - - - | July 20, do |
| Winans, Ross - | Baltimore, Md. - | Axle trees for railway and other carriages - - - | Do do |
| Wilkinson, Garner - | White Creek, N. Y. - | Do hubs, and spokes - - - | Dec. 6, do |

LIST OF PATENTS—ARMS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|--|----------------------|----------------|
| Lock, percussion, for cannon - - - | Enoch Hidden - | New York - | Jan. 14, 1831. |
| Do gun - - - | Abel Judson - | New Lebanon, N. Y. - | June 13, do |
| Do percussion, and walking cane, rifles and pistols - | Alvin D. Cushing - | Troy, N. Y. - | July 20, do |
| Do do side, for rifles - - - | Elisha Strong - | Claridon, O. - | Aug. 2, do |
| Do do cannon - - - | E. Hidden, assigned to S. Ringgold and John P. Moore - | New York - | Dec. 16, do |

LIST OF PATENTEES—ARMS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|--|----------------------|---|---------------|
| Cushing, Alvin D. - | Troy, N. Y. - | Lock, percussion, and walking cane, rifle, and pistol - | July 20, 1831 |
| Hidden, Enoch - | New York - | Do do for cannon - - - | Jan. 14, do |
| Hidden, En'h, assigned to Sam'l Ringgold & John P. Moore - | Do - - | Do do do - - - | Dec. 16, do |
| Judson, Abel - | New Lebanon, N. Y. - | Do do gun - - - | June 13, do |
| Strong, Elisha - | Claridon, O. - | Do do side, for rifles - - - | Aug. 2, do |

LIST OF PATENTS—SCREW AND LEVER POWER.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|--|----------------------|----------------|
| Balance, improvement on Dearborn's - - - | Uel West and Daniel Loring - | New York - | Aug. 23, 1831. |
| Brick, machine for pressing - - - | Archd McClung - | Fairfield, Va. - | Mar. 26, do |
| Do do do - - - | Jno. Sites - | Harrisonburg, Va. - | Mar. 29, do |
| Do do do - - - | Thos. A. Irick - | Do - | July 27, do |
| Cheese press, called "the lever and eccentric wheel press" | Jno. S. Pulsifer and Ebenezer Pulsifer - | Ipswich, Mass. - | Feb. 14, do |
| Do do self propelling hanging lever - - - | Jno. S. Cram - | Hanover, N. H. - | Dec. 27, do |
| Cotton press, and for pressing other soft fibrous substances | Philenzo Payne and Joshua Rundell - | Port Gibson, Miss. - | July 20, do |

LIST OF PATENTS—SCREW AND LEVER POWER—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES | RESIDENCE. | WHEN ISSUED. |
|--|---|--------------------|--------------|
| Lever power and inclined wheel | Peter Wykoff | Westport, Ky. | July 20, do |
| “Press, inclined friction roller” | Luther Carman | Oxford, Ms. | April 7, do |
| Do toggle | Jno. Hale | Hollis, N. H. | April 20, do |
| Do standing | Chas. Evans | Philadelphia, Pa. | June 13, do |
| Do printing | Otis Tufts | Boston, Mass | July 30, do |
| Do standing | Jno. H. Stewart | Philadelphia, Pa. | Aug 11, do |
| Do fly wheel | David Evans | Do | Aug. 26, do |
| Do book binders' cutting | Chas Stimpson, jr. | Boston, Mass. | Oct. 17, do |
| Pressing, art of | Jos. Tinkler | Massillon, O. | Aug 31, do |
| Printing press | Anson Sherman | New York | Feb. 26, do |
| Steelyard, combined | Martin Crow | Rush, N. Y. | June 13, do |
| Toggle joint, straightening in the hand printing press | Otis Tufts | Boston, Mass. | Nov. 7, do |
| Do do screw press | Luke Hale | Hollis, N. H. | Dec. 12, do |
| Weighing heavy bodies, machine for | Thaddeus Fairbanks & Erastus Fairbanks | St. Johnsbury, Vt. | June 13, do |
| Do machine | Jas. S. Seger | New York | July 20, do |
| Do do for canal boats, loaded wagons, &c. | Daniel Loring | Newark, N, J. | Aug. 23, do |
| Do do do do do | Jas. Coulter | Philadelphia, Pa. | Oct. 13, do |

LIST OF PATENTEES—SCREW AND LEVER POWER.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---------------------|----------------|---|----------------|
| Cram, Jno. S. | Hanover, N. H. | Cheese press, self-propelling hanging lever | Dec. 27, 1831. |
| Carman, Luther | Oxford, Me. | Press, inclined friction roller | April 7, do |

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|---|---|--------------------|---|--|---|---|---|---|-----------|----|
| Craw, Martiu | - | Rush, N. Y. | - | Steelyard, combined | - | - | - | - | June 13, | do |
| Coulter, Jas. | - | Philadelphia, Pa. | - | Weighing machine | - | - | - | - | Oct. 13, | do |
| Evans, Chas. | - | Philadelphia, Pa. | - | Press, standing | - | - | - | - | June 13, | do |
| Evans, David | - | Do | - | Do fly wheel | - | - | - | - | Aug. 26, | do |
| Fairbanks, Thaddeus, & Erastus Fairbanks | - | St Johnsbury, Vt. | - | Weighing heavy bodies | - | - | - | - | June 13, | do |
| Hale, Jno. | - | Hollis, N. H. | - | Press, toggle | - | - | - | - | April 20, | do |
| Hale, Luke | - | Do | - | Do do joint screw | - | - | - | - | Dec. 12, | do |
| Irick, Thomas A. | - | Harrisonburg, Va. | - | Do brick | - | - | - | - | July 27, | do |
| Loring, Daniel | - | Newark, N. J. | - | Weighing machine | - | - | - | - | Aug. 23, | do |
| McClung, Archd. | - | Fairfield, Va. | - | Brick press | - | - | - | - | Mar. 26, | do |
| Pulsifer, Jno. S. and Ebenezer Pulsifer | - | Ipswich, Mass. | - | Cheese press, called the eccentric wheel and lever press | - | - | - | - | Feb. 14, | do |
| Payne, Philenzo, and Joshua Rundell | - | Port Gibson, Miss. | - | Cotton press | - | - | - | - | July 20, | do |
| Sites, Jno. | - | Harrisonburg, Va. | - | Brick press | - | - | - | - | Mar. 29, | do |
| Stewart, Jno. H. | - | Philadelphia, Pa. | - | Press, standing | - | - | - | - | Aug. 11, | do |
| Stimpson, jr. Chas. | - | Boston, Mass. | - | Do book binder's cutting | - | - | - | - | Oct 17, | do |
| Sherman, Anson | - | New York | - | Printing press | - | - | - | - | Feb. 26, | do |
| Seger, Jas. H. | - | Do | - | Weighing machine | - | - | - | - | July 20, | do |
| Tufts, Otis | - | Boston, Mass. | - | Printing press | - | - | - | - | July 30, | do |
| Tinkler, Jos. | - | Massillon, O. | - | Pressing, art of | - | - | - | - | Aug. 31, | do |
| Tufts, Otis | - | Boston, Mass. | - | Toggle joint, strengthening in the hand press | - | - | - | - | Nov. 7, | do |
| West, Uel, and Daniel Loring | - | New York | - | Balance, improvement on Dearborn's | - | - | - | - | Aug. 23, | do |
| Wykoff, Peter | - | Westport, Ky. | - | Lever power and inclined wheel | - | - | - | - | July 20, | do |

LIST OF PATENTS—MILLS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|--|----------------------|--------------|
| Bark, machine for grinding - - - | Merritt Hurd - | Augusta, N. Y. . | May 3, 1831. |
| Bark mill - - - | Chs. H. Green and Rich'd Montgomery | Sangerfield, N. Y. - | Sept. 30, do |
| Coffee and spice mill - - - | Amasa Sizer - | Cheshire, Ct. - | Dec. 22, do |
| Dogs for saw mills - - - | Anson Andrews - | Spencer, N. Y. - | April 26, do |
| Flour, kiln drying, by means of heated air - - - | Nathan Tyson - | Baltimore, Md. - | Aug. 3, do |
| Friction reducing in all kinds of machinery - - - | Jno. J. Reekers - | Do - | June 13, do |
| Do do of axles mandrils, &c. - - - | Isaac Cooper - | Do - | Sept. 28, do |
| Grist mill, portable improved - - - | Henry Weed - | Sandwich, N. H. - | Jan. 10, do |
| Do - - - | Elisha Bigelow - | Georgetown, D. C. - | Feb. , do |
| Do - - - | Jos. Yeamans - | Ashtabula, O. - | Mar 8, do |
| Do "Self Stopper" - - - | Robt. McCormick, jr. - | Augusta co., Va. - | April 20, do |
| Do - - - | Jno. F. Anderson - | Louisville, Ky. - | May 3, do |
| Do - - - | Jno. P. Phipps and and Jno. Holliday | Wilmington, Del. - | 12, do |
| Do for grain and other substances - - - | Jno. Ambler, jr. and Daniel C. Ambler - | New Berlin, N. Y. - | June 13, do |
| Do - - - | Jehiel W. Dart, Wil- lard Webster, and Hiram Webster - | Truxton, N. Y. - | July 20, do |
| Do - - - | Ezra Brees - | Kingston, Pa. - | Sept 28, do |
| Do and saw mill combined - - - | Noah Porter - | Boston, Ms. - | Nov. 17, do |
| Machinery, apparatus for communicating motion to - - - | Samuel Kilburn - | Sterling, Ms. - | April 16, do |
| Mill, vertical lathe - - - | Elijah Skinner and Jno. Webster - | Sandwich, N. H. - | Aug. 26, do |

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|--|--------------------------------------|-----------------------|-----------|----|
| Portable horse power engine to propel all kinds of machinery by the application of the endless screw - | Isaac Van Doren - | Hopewell t'p, N. J. - | June 13, | do |
| Power applying, horse or animal, to mechanical purposes | Wm. E. Arnold - | Chatham, Ct. - | May 7, | do |
| Do do to move machinery - | Geo. Page - | Keene, N. H. - | Sept. 28, | do |
| Propelling power of water, steam, &c. applied to mills - | Jehiel W. Dart and Willard Webster - | Truxton, N. Y. - | Jan. 21, | do |
| Do machinery - - - - - | Thomas D. Newsom - | Nashville, Ten. - | 22, | do |
| Do do for mills, boats, cars, &c. - | Aaron Parkhurst and Silas Bacon - | Scriba, N. Y. - | April 11, | do |
| Do do and driving mill stones without cogs, &c. - - - - | Jer'h Case - - | Sodus, N. Y. - | June 13, | do |
| Do do by horse power - - - - | Calvin Emmons - | New York - | Aug. 2, | do |
| Do mills, &c., by rolling and balance wheel power | Joel Estes - - | Brownsville, Ten. - | 15, | do |
| Do do boats, &c., by supporting chains - | Billy Todd - - | Marietta, O. - | 24, | do |
| Do do vessels, &c., by manual or other power | Jos. G. Aldebert - | Opelousas, La. - | Dec. 29, | do |
| Saw, double tooth, for sawing boards or timber - | Stafford Dawley - | Annesville, N. Y. - | Jan. 14, | do |
| Saw mill - - - - - | Jacamah Smith - | Morris, N. J. - | 27, | do |
| Do - - - - - | Rufus Eaton - | Concord, N. Y. - | Nov. 24, | do |
| Screen, horizontal revolving jointed - - - - | Peter Broughton - | Charleston, S. C. - | Aug. 5, | do |
| Spindle, cast or wrought iron, and cast iron driver - | Jas. Barton - - | Millford, Pa. - | April 23, | do |
| Smut machine for mills - - - - - | Henry Weed and Stephen Fellows - | Sandwich, N. H. - | Aug. 23, | do |
| Stones, balancing or adjusting in mills - - - - | Mark L. Chase - | Baltimore, Md. - | June 13, | do |
| Do running in flour mills - - - - - | Jno. Clyde - - | Crawford co., Pa. - | July 27, | do |
| Do constructing to grind grain and hull clover seed | Benjamin Myers - | Chambersburg, Pa. - | Sept. 28, | do |
| Thread wheel or tub wheel - - - - - | Elias Davis - - | Bangor, Me. - | April 9, | do |
| Tricylindric machine operating by water fall - - | Eugene Burgonzio - | New York - | Nov. 2, | do |
| Water, mode of applying, to mill wheels - - - - | Wm. Kendall - | Fairfield, Me. - | Jan. 12, | do |
| Do do do - - - - - | Jos. Michenor - | Clinton, O. - | Mar. 9, | do |
| Water power, saving - - - - - | Aaron Foot - - | Williamstown, Ms. - | Jan. 4, | do |
| Water wheel, re-action - - - - - | Jno. Turner - - | Augusta, Me. - | 18, | do |

LIST OF PATENTS—MILLS—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|--|----------------------|---------------|
| Water wheel, inclined - - - - - | Wm. H. Squires and Coral C. White - | Ledyard, N. Y. - | Feb. 5, 1831. |
| Do re-action - - - - - | Jos. C. Strode - | E. Bradford, Pa. - | 8, do |
| Do with floats working upon hinges - - | Joel Eastman - | Bath, N. H. - | 13, do |
| Do - - - - - | Martin Coney - | Portland, N. Y. - | April 12, do |
| Do and the application of water thereto - | Joel Eastman - | Bath, N. H. - | Sept. 28, do |
| Wedge, circular - - - - - | Silas Underwood - | Hardwick, Vt. - | July 22, do |
| Wheat rubber - - - - - | David Narracong - | Skaneateles, N. Y. - | Aug 18, do |
| Wind power applied to mills, factories, &c. - | Jno. Y. Van Tuyl - | Rahway, N. J. - | Sept. 28, do |

LIST OF PATENTEES—MILLS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|--|---------------------|---|-----------------|
| Andrews, Anson - | Spencer, N. Y. - | Dogs, for saw mills - - - - - | April 26, 1831. |
| Anderson, John F. - | Louisville, Ky. - | Grist mill - - - - - | May 3, do |
| Ambler, jr., John, and Daniel C. Ambler - | New Berlin, N. Y. - | Do - - - - - | June 13, do |
| Arnold, Wm. E. - | Chatham, Ct. - | Power, applying horse, to mechanical purposes, &c., - | May 7, do |
| Aldebert, John G. - | Opelousas, La. - | Propelling mills, &c., by manual or other power - | Dec. 29, do |
| Bigelow, Elisha - | Georgetown, D. C. - | Grist mill - - - - - | Feb. 11, do |

| | | | | | | | |
|--|---|---------------------|---|---|---|-----------|----|
| Brees, Ezra | - | Kingston, Pa. | - | Do | - | Sept. 28, | do |
| Broughton, Peter | - | Charleston, S. C. | - | Screen, horizontal, revolving jointed | - | Aug. 5, | do |
| Barton, James | - | Millford, Pa. | - | Spindle, cast or wrought iron, and cast iron driver | - | April 23, | do |
| Burgonzio, Eugene | - | New York | - | Tricylindric machine, operating by water fall | - | Nov. 2, | do |
| Cooper, Isaac | - | Baltimore, Md. | - | Friction, reducing, &c. | - | Sept. 28, | do |
| Case, Jer'h | - | Sodus, N. Y. | - | Propelling machinery and driving mill stones without cogs | - | June 13, | do |
| Chase, Mark L. | - | Baltimore, Md. | - | Stones, balancing or adjusting, in mills | - | June 13, | do |
| Clyde, John | - | Crawford co., Pa. | - | Do running, in flour mills | - | July 27, | do |
| Coney, Martin | - | Portland, N. Y. | - | Water wheel | - | April 12, | do |
| Dart, Jehiel W., W. Webster, and Hiram Webster | - | Truxton, N. Y. | - | Grist mill | - | July 20, | do |
| Dart, Jehiel W., and Willard Webster | - | Do | - | Propelling power of water, steam, &c., for mills | - | Jan 21, | do |
| Dawley, Stafford | - | Annesville, N. Y. | - | Saw, double tooth, for sawing timber | - | Jan'y 14, | do |
| Davis, Elias | - | Bangor, Me. | - | Tread or tub wheel | - | April 9, | do |
| Emmons, Calvin | - | New York | - | Propelling machinery by horse power | - | Aug. 2, | do |
| Estes, Joel | - | Brownsville, Tenn. | - | Do mills, &c., by rolling and balance wheel power | - | Aug. 15, | do |
| Eaton, Rufus | - | Concord, N. Y. | - | Saw mill | - | Nov 23, | do |
| Eastinan, Joel | - | Bath, N. H. | - | Water wheel, with floats working upon hinges | - | Feb 18, | do |
| Do | - | Do | - | Do and applying water thereto | - | Sept. 28, | do |
| Fool, Aaron | - | Williamstown, Mass. | - | Water power, saving | - | Jan'y 4, | do |
| Green, Charels H., and Rich'd Montgomery | - | Sangerfield, N. Y. | - | Bark mill | - | Sept 30, | do |
| Hurd, Merritt | - | Augusta, N. Y. | - | Bark, machine for grinding | - | May 3, | do |
| Kilburn, Samuel | - | Sterling, Mass. | - | Machinery, apparatus for communicating motion | - | April 16, | do |
| Kendall, William | - | Fairfield, Me. | - | Water, mode of applying, to mill wheels | - | Jan. 12, | do |
| McCormick, Robert, jr | - | Augusta co., Va. | - | Grist mill, self stopper | - | April 20, | do |
| Myers, Benjamin | - | Chambersburg, Pa. | - | Stones to grind grain and hull clover seed | - | Sept 28, | do |
| Michenor, Jos. | - | Clinton, O. | - | Water applied to mill wheels | - | Mar. 9, | do |
| Newsom, Thos. W. | - | Nashville, Tenn. | - | Propelling machinery | - | Jan. 22, | do |

LIST OF PATENTEES—MILLS.

| LIST OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|--|-------------------------|--|----------------|
| Narracong, David - | Skaneateles, N. Y. - | Wheat rubber - - - - - | Aug. 18, 1831. |
| Phipps, John P., and John Holliday - | Wilmington, Del. - | Grist mill - - - - - | May 12, do |
| Porter, Noah - | Boston, Mass. - | Do and saw mill combined - - - - - | Nov. 17, do |
| Page, Geo. - | Keene, N. H. - | Applying horse power to move machinery - - - - - | Sept. 28, do |
| Parkhurst, Aaron, and Silas Bacon - | Scriba, N. Y. - | Propelling power for mills, &c. - - - - - | April 11, do |
| Reekers, John J. - | Baltimore, Md. - | Friction, reducing, in all kinds of machinery - - - - - | June 13, do |
| Sizer, Amasa - | Cheshire, Ct. - | Coffee and spice mill - - - - - | Dec. 22, do |
| Skinner, Elijah, and John Webster - | Sandwich, N. H. - | Mill, vertical lathe - - - - - | Aug. 26, do |
| Smith, Jacamiah - | Morris, N. J. - | Saw mill - - - - - | Jan. 27, do |
| Squires, Wm. H., and Coral C. White - | Ledyard, N. Y. - | Water wheel, inclined - - - - - | Feb. 5, do |
| Strode, Joseph C. - | E. Bradford, Pa. - | Do reaction - - - - - | Feb. 28, do |
| Tyson, Nathan - | Baltimore, Md. - | Flour, kiln for drying flour, by means of heated air - - - - - | Aug. 3, do |
| Todd, Billy - | Marietta, O. - | Propelling mills, &c., by supporting chains - - - - - | Aug. 24, do |
| Turner, John - | Augusta, Me. - | Water wheel, reaction - - - - - | Jan. 18, do |
| Underwood, Silas - | Hardwick, Vt. - | Wedge circular - - - - - | July 22, do |
| Van Doren, Isaac - | Hopewell town'p, N.J. - | Portable horse power engine to propel all kinds of machinery by the application of the endless screw - - - - - | June 13, do |
| Van Tuyl, Jno. Y. - | Rahway, N. J. - | Wind power applied to mills, &c. - - - - - | Sept. 28, do |
| Weed, Henry - | Sandwich, N. H. - | Grist mill, portable - - - - - | Jan. 10, do |
| Weed, Henry, and Ste- phen Fellows - | Do - | Smut machine for mills - - - - - | Aug. 23, do |
| Yeamans, Jos. - | Ashtabula, O. - | Grist mill - - - - - | Mar. 18, do |

LIST OF PATENTS—CHEMICAL COMPOSITIONS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|---------------------|----------------------------|-----------------|
| Caoutchouc, fluid to render a variety of articles water proof | Geo. H. Richards | Washington, D. C. | April 11, 1831. |
| Cement, chemical water proof | Chas. Fletcher | Boston, Mass. | Nov. 32, do |
| Compound for sheathing ships, &c. | Jno. Revere | Do | Mar. 24, do |
| Dropsy and epilepsy, cure for | Jno. S. Fall | Rattle Snake Springs, Geo. | Nov. 25, do |
| Gold ores and alluvial auriferous earth, machine for washing | Jno. Powell | Salisbury, N. C. | April 1, do |
| Do machine for separating from earth, &c. | Green B. Palmer | Pendleton, N. C. | April 23, do |
| Do method of extracting from the ore pulverized, or amalgamating and washing residuums | Jas. L. Montandever | Charlotte, N. C. | April 30, do |
| Do machine for washing from sand and gravel | Chrstr. Bechtler | Rutherfordton, N. C. | Oct. 5, do |
| Do do do do pounded ore | Do | Do | Oct. 5, do |
| Do do do called the railway car gold riddle | Oscar Willis | Burke co. N. C. | Dec. 21, do |
| Gout and rheumatism, cure for | Wm. A. Parker | Accomack co. Va. | Nov. 4, do |
| Hides, scraping flesh and hair from them in the process of tanning | Thos. Williams | Rochester, N. Y. | Oct. 31, do |
| Medicine | Jos. Baker | Jefferson townsp. O. | May 5, do |
| Mineral water, manufacturing | Wm. Mead | Newburg, N. Y. | April 12, do |
| Oil, purifying sperm and whale | Jno. L. Embree | New York | June 13, do |
| Paints, composition of matter for | Chandler Metcalf | Hanover, N. H. | Feb. 25, do |
| Do mode of mixing | Jona. Linnell, jr. | Orleans, Ms. | Mar. 26, do |
| Do composition | Philip A. Klipstine | New Baltimore, Va. | July 20, do |
| Pot ash, manufacturing | Thos. H. Sherman | Hastings, N. Y. | Feb. 2, do |
| Do do and leaching ashes | Ephraim Parce | Lincklaen, N. Y. | July 20, do |

LIST OF PATENTS - CHEMICAL COMPOSITIONS - Continued.

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| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED |
|---|---------------------|----------------------|--------------|
| Soda water, apparatus for drawing - - - | Justus Perkins - | Brutus, N. Y. - | May 3, 1831 |
| Do do - - - | Jno. Ambler, jr. - | New Berlin, N. Y. - | June 13, do |
| Do do - - - | Alonzo L. Smith - | Brutus, N. Y. - | June 13, do |
| Do do - - - | Noah H. Coleman - | Mentz, N. Y. - | July 20, do |
| Do do and drawing the same - - | Ambrose Church - | Canandaigua, N. Y. - | July 20, do |
| Tanning leather - - - | Osmond Cogswell - | Cincinnati, O. - | Jan. 29, do |
| Do do - - - | Isaac Dawes - | Goshen Farm, Md. - | April 21, do |
| Do apparatus, removing the refuse bark from the latches, by means of water - - | Wm. Browne - | Mooresville, N. Y. - | Nov. 2, do |
| Tan yard - - - | Abm Cenwell - | Fayette co. Ind. - | Nov. 4, do |
| White lead, manufacturing - - - | Geo. A. Harrison - | New York - | July 20, do |
| Zinc or spelter, manufacturing various articles - | Saml. Davis - | Do - | Aug. 11, do |

LIST OF PATENTEES - CHEMICAL COMPOSITIONS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---------------------|------------------------|---|----------------|
| Ambler, jr. Jno. - | New Berlin, N. Y. - | Soda water apparatus - - - | June 13, 1831. |
| Bechtler, Chrstr. - | Rutherfordton N. C. - | Gold, machine for washing from sand and gravel - | Oct. 5, do |
| Do - | Do - | Do do do do pounded ore - | Oct. 5, do |
| Baker, Jos. - | Jefferson townsp. O. - | Medicine - - - | May 5, do |
| Brown, Wm. - | Mooresville, N. Y. - | Tanning apparatus, removing the bark from the latches, by means of water - - - | Nov. 2, do |

| | | | | |
|----------------------|------------------------------|--|-----------|----|
| Coleman, Noah H. | Mentz, N. Y. | Soda water apparatus | July 20, | do |
| Church, Ambrose | Canandaigua, N. Y. | Do do do | July 20, | do |
| Cogswell, Osmond | Cincinnati, O. | Tanning leather | Jan. 29, | do |
| Conwell, Abm. | Fayette co. Ind. | Tan yard | Nov. 4, | do |
| Dawes, Isaac | Goshen Farm, Md. | Tanning leather | April 21, | do |
| Davis, Samuel | New York | Zinc, manufacturing various articles | Aug. 11, | do |
| Embree, Jno. L. | New York | Oil, purifying sperm and whale | June 13, | do |
| Fletcher, Calvin | Boston, Mass. | Cement, chemical water proof | Nov. 28, | do |
| Fall, Jno. S. | Rattle Snake Springs Geo. | Dropsy and epilepsy, cure | Nov. 25, | do |
| Harrison, Geo. A. | New York | White lead, manufacturing | July 20, | do |
| Klipstine, Philip A. | New Baltimore, Va. | Paint, composition | July 20, | do |
| Linnell, Jona. jr. | Orleans, Ms. | Paints, mode of mixing | Mar. 26, | do |
| Montandever, Jas. L. | Charlotte, N. C. | Gold, extracting from ore pulverized, or amalgamating and washing residuums | April 30, | do |
| Mead, Wm. | Newburg, N. Y. | Mineral water | April 12, | do |
| Metcalf, Chandler | Hanover, N. H. | Paints, composition of matter for | Feb. 25, | do |
| Powell, Jno. | Salisbury, N. C. | Gold ores and alluvial auriferous earth, washing | April 1, | do |
| Palmer, Green B. | Pendleton, N. C. | Do do machine for separating from earth, &c. | April 23, | do |
| Parker, Wm. A. | Accomack co. Va. | Gout and rheumatism, cure for | Nov. 4, | do |
| Parce, Ephm. | Lincklaen, N. Y. | Pot ash, manufacturing and leaching ashes | July 20, | do |
| Perkins, Justus | Brutus, N. Y. | Soda water apparatus | May 3, | do |
| Richards, Geo. H. | Washington, D. C. | Cacutchouc, fluid to render articles water proof | April 11, | do |
| Revere, Jno. | Boston, Mass. | Compound for sheathing ships, &c. | Mar. 24, | do |
| Sherman, Thos. H. | Hastings, N. Y. | Pot ash, manufacturing | Feb. 2, | do |
| Smith, Alonzo L. | Brutus, N. Y. | Soda water apparatus | June 13, | do |
| Willis, Oscar | Burke co. N. C. | Gold, washing machine, called the railway car gold riddle | Dec. 21, | do |
| Williams, Thos. | Rochester, N. Y. | Hides, scraping flesh and hair from them in the process of tanning | Oct. 31, | do |

LIST OF PATENTS—FINE ARTS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED |
|---|---|-------------------|--------------|
| Block for stereotype plates | Bradbury Hackett | Boston, Mass. | Mar. 8, 1831 |
| Globe for teaching geography | Elizabeth Oram. | New York | Jan. 12, do |
| Guitar | E. N. Sherr | Philadelphia, Pa. | Oct. 6, do |
| Ink holder | Daniel Harrington | Do | April 22, do |
| “Meleronome, Accenting,” for teaching music | Uri Emmons | New York | April 7, do |
| Piano forte, horizontal | Ebenezer R. Currier | Boston, Mass. | April 22, do |
| Do action | John F. Nunns | New York | May 5, do |
| Do | Thomas Kearsing, H. O. Kearsing, G. T. Kearsing, and Wm. F. Kearsing | Do | June 13, do |
| Do action | Jesse Thompson | Do | Aug. 6, do |
| Pictures, with looking glasses back grounds | Isaiah Jennings | Do | Nov. 11, do |
| Plates, polishing by revolving cylinders, buffs and brushes | William J. Stone | Washington, D. C. | April 30, do |
| Violin, teaching the art of, performing on the | Robert McCormick, jr. | Augusta co. Va. | April 21, do |

LIST OF PATENTEES—FINE ARTS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---------------------|---------------|---|-----------------|
| Currier, Eb'r R. | Boston, Mass. | Piana forte, horizontal | April 22, 1831. |
| Emmons, Uri | New York | “Meteronome, Accenting,” for teaching music | April 7, do |
| Hackett, Bradbury | Boston, Mass. | Block for stereotype plates | Mar. 8, do |

| | | | | |
|---|-------------------|--|-----------|----|
| Harrington, Daniel | Philadelphia, Pa | Ink holder | April 22, | do |
| Jennings, Isaiah | New York | Pictures with looking glass back grounds | Nov. 11, | do |
| Kearsing, Thos., Henry O., George T., and William F. Kearsing | - - - | Piano forte | June 13, | do |
| McCormick, Robert | Augusta co., Va. | Violin, the art of teaching | April 21, | do |
| Nunns, John F. | New York | Piano forte action | May 5, | do |
| Oram, Elizabeth | Do | Globe for teaching geography | Jan. 12, | do |
| Sherr, E. N. | Philadelphia, Pa. | Guitar | Oct. 6, | do |
| Stone, William J. | Washington, D. C. | Plates, polishing, by revolving cylinders, buffs & brushes | April 30, | do |
| Thompson, Jesse | New York | Piano forte, action | Aug. 6, | do |

LIST OF PATENTS—HOROLOGY.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|-------------------------------|---------------------|--------------|----------------|
| Clocks, wooden, manufacturing | Orsamus R. Fyler | Chelsea, Vt. | June 13, 1831. |

LIST OF PATENTEES—HOROLOGY.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---------------------|--------------|-------------------------------|----------------|
| Orsamus R. Fyler | Chelsea, Vt. | Clocks, wooden, manufacturing | June 13, 1831. |

LIST OF PATENTS—MATHEMATICAL INSTRUMENTS:

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|---------------------|--------------------|----------------|
| Arithmetic, art of teaching - - - - | Oliver H. Shaw - | Richmond, Va. - | April 16, 1831 |
| Level and plumb instrument - - - - | Jos. E. Eldred - | Rochester, N. Y. - | Aug. 25, do |
| Lotteries, instituting and drawing - - - - | Jas. K. Casey - | New York - | Mar. 28, do |

LIST OF PATENTEES—MATHEMATICAL INSTRUMENTS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---------------------|--------------------|--|----------------|
| Casey, James K. - | New York - | Lotteries, instituting and drawing - - - - | Mar. 28, 1831. |
| Eldred, Jos. E. - | Rochester, N. Y. - | Level and plumb instrument - - - - | Aug. 25, do |
| Shaw, Oliver H. - | Richmond, Va. - | Arithmetic, art of teaching - - - - | April 16. do |

LIST OF PATENTS—SURGERY.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|--|---------------------|-----------------|
| Invalids, machine for exercising them in their rooms - | Daniel Harrington - | Philadelphia, Pa. - | April 23, 1831. |
| Pessary - - - - - | Jos. Warrington and Wm. Scattergood - | Do - | Sept. 5, do |

| | | | | | | | |
|---|---|---|----------------------|-------------------|---|----------|----|
| Plates, metallic, adjusting to artificial teeth | - | - | Thos. R. Vanderslice | Do | - | Jan. 5, | do |
| Teeth, porcelain, securing them | - | - | Sam'l G. Chamberlain | Do | - | Feb. 11, | do |
| Tooth extractor, vertical | - | - | Ira W. Rutherford | Albany, N. Y. | - | Jan. 4, | do |
| Truss, | - | - | Jesse C. Earl | Baltimore, Md. | - | Mar. 19, | do |
| Do gum elastic pad | - | - | Jno. J. Heintzelman | Philadelphia, Pa. | - | July 20, | do |
| Do patents dated July, 17, 1817, Feb. 27, 1823, Aug. 19, 1824, Oct. 28, 1829, and December 20, 1830, cancelled on account of defective specifications | - | - | Amos G. Hull | New York | - | Aug. 17, | do |

LIST OF PATENTEES—SURGERY.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|--|-------------------|--|----------------|
| Chamberlain, Sam'l G. | Philadelphia, Pa. | Teeth, porcelain, securing them | Feb. 11, 1831. |
| Earl, Jesse C. | Baltimore, Md. | Truss | Mar. 19, do |
| Harrington, Daniel | Philadelphia, Pa. | Invalids, machine for exercising them in their rooms | April 23, do |
| Heintzelman, Jno. J. | Do | Truss, gum elastic pad | July 20, do |
| Hull, Amos G. | New York | Do (patents dated July 17, 1817, Feb. 27, 1823, Aug. 19, 1824, Oct. 28, 1829, and Dec. 20, 1830, cancelled on account of defective specifications) | Aug. 17, do |
| Rutherford, Ira W. | Albany, N. Y. | Tooth extractor, vertical | Jan. 4, do |
| Vanderslice, Thos. R. | Philadelphia, Pa. | Plates metallic, adjusting to artificial teeth | 5, do |
| Warrington, Jos., and Wm. Scattergood | Do | Pessary | Sept. 5, do |

PATENTS FOR USEFUL INVENTIONS.

LETTER

FROM

THE SECRETARY OF STATE,

TRANSMITTING

*A list of the Names of Persons who have invented any New or Useful
Art, Machine, &c., &c.*

JANUARY 12, 1833.

Read, and laid upon the table.

DEPARTMENT OF STATE, *January 1, 1833.*

SIR: In pursuance of the resolutions of the House of Representatives of the United States, dated the 13th of January, 1812, and the 2d of April, 1830, I have the honor of transmitting a list of the names of persons who have invented any new or useful art or machine, manufacture or composition of matter, or any improvement thereon, and to whom patents have been issued from this office, from the 1st day of January, 1832, to the 1st day of January, 1833, with the dates and general objects of such patents, and also the residence of the patentees, as far as they could be ascertained.

I have the honor to be,

With great consideration,

Your very obedient servant,

EDWARD LIVINGSTON.

The Hon. the SPEAKER,
of the Ho. of Reps. U. States.

LIST OF PATENTS—AGRICULTURE.

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| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|---|-------------------------|--------------|
| | | | 1832. |
| Apples, potatoes, &c., machine for grinding and shelling corn - | Edmund Harris, Ja's Newton, Willard Webster, and Jehiel | | |
| Do machine for grinding - - - - | W. Dart - - - - | Truxton, N. Y. - - | Mar. 10 |
| Buckwheat, barley, &c., hulling - - - - | Jonathan R. Dean - - | Augusta township, O. - | April 5 |
| Clover seed, machine for hulling - - - - | Thomas Register - - | West township, O. - | April 5 |
| Do do cleaning - - - - | Christopher Seabold, jr | New Berlin, Pa. - - | Mar. 6 |
| Do do hulling - - - - | George Faber - - - - | Chambersburg, Pa. - | April 5 |
| Do do do and chopping grain - - - - | George Monohon - - | Augusta township, O. - | April 27 |
| Do do do - - - - | George Wales - - - - | Centre township, Pa. - | July 24 |
| Do do do - - - - | Pierson Reading - - | Trenton, N. J. - - | July 31 |
| | George Faber and Ed- ward Faber - - - - | Pittsburgh, Pa. - - | Oct. 13 |
| Corn, clover, shelling and thrashing machine, combined with a grist mill - - - - | Daniel Mullier - - - - | Wooster, Ohio - - - | Jan. 24 |
| Corn shelling machine - - - - | William Gee - - - - | Prince George's co. Va | May 10 |
| Do do - - - - | Christian Thomas - - | Lancaster, Pa. - - | Sept. 3 |
| Do do - - - - | Michael Carpenter - - | Do do - - - - | Oct. 25 |
| Do do - - - - | Daniel Hall - - - - | Strasburg townsh'p, Pa. | Nov. 12 |
| Cultivator or harrow, two winged shifting tooth - - - - | Waldren Beach - - - | Philadelphia, Pa - - | Oct. 25 |
| Fanning mill - - - - | Samuel Fitch - - - - | Edmeston, N. Y. - - | Jan. 6 |
| Do do - - - - | Peter Prine and Lott Huestis - - - - | Auburn, N. Y. - - - | Feb. 23 |
| Do do - - - - | David Clinton - - - - | New Haven, Conn. - - | Nov. 29 |

| | | | | | | | | | |
|--|---|---|---|---|---|---|------------------------|-------|----|
| Fanning mill | - | - | - | - | - | John W. Hunter, M. L. Hunt, and Sulli- van Holman | Oakland co., M. T. | Dec. | 18 |
| Flax and hemp, breaking and dressing | - | - | - | - | - | Ebenezer C. Chase | Jay, Maine | Jan. | 6 |
| Do do do do | - | - | - | - | - | Arnold Zellnor | Giles co., Tenn. | Oct. | 25 |
| Grain, grass, seed, rice, &c., separating from straw | - | - | - | - | - | Abel Look and Wil- liam Coleman, jr. | Fredericktown, Md. | Mar. | 21 |
| Do hulling and cleaning | - | - | - | - | - | Orrin Lull | Otsego, N. Y. | Aug. | 25 |
| Harrow, corn, and grain cultivator | - | - | - | - | - | Nathaniel Stanton, jr. | Florida, N. Y. | July | 9 |
| Do revolving cylindrical | - | - | - | - | - | James D. Woodside | Washington, D. C. | July | 28 |
| Hoe | - | - | - | - | - | Benjamin Hinkley | Fayette, Maine | June | 23 |
| Lime, spreading on land | - | - | - | - | - | Mark L. Wilson, | Quakertown, Pa. | June | 22 |
| Plough | - | - | - | - | - | Thomas A. Whities | Bellefontaine, Ohio | Jan. | 14 |
| Plough, self-sharpening | - | - | - | - | - | Bancroft Woodcock | Mount Pleasant, Pa. | Jan. | 26 |
| Do | - | - | - | - | - | Samuel Witherow, as- signee of Sam'l Ogle | Adams co., Pa. | Feb. | 28 |
| Do self-sharpening | - | - | - | - | - | Job B. Norton | Utica, N. Y. | April | 27 |
| Do | - | - | - | - | - | Joseph Dudley | Fleming co., Ky. | May | 8 |
| Do | - | - | - | - | - | George Crowl | Sleepy creek, Va. | June | 27 |
| Do | - | - | - | - | - | George Wolf | Fairfield co., O. | Do | 27 |
| Do | - | - | - | - | - | John Moore | Cynthiana, Ky. | Aug. | 17 |
| Do | - | - | - | - | - | George W. Parmer | Jefferson township, O. | Do | 17 |
| Do | - | - | - | - | - | John Weaver | Brownsville, Pa. | Do | 17 |
| Do and harrow | - | - | - | - | - | Henry Higley | Canaan, Conn. | Dec. | 11 |
| Do self-sharpening | - | - | - | - | - | Waldren Beach | Philadelphia, Pa. | Do | 28 |
| Do | - | - | - | - | - | John Buch | E. Rushville, O. | Do | 28 |
| Do barshare | - | - | - | - | - | Moses Huffman | Elizabeth, Tenn. | Do | 28 |
| Rice, hulling, cleaning, and polishing | - | - | - | - | - | Joseph Beach and Syl- vester Starr | Middletown, Conn. | May | 10 |
| Do do do also barley | - | - | - | - | - | Theodore F. Strong & Marcus T. Moody | Northampton, Mass. | Aug. | 29 |

LIST OF PATENTS—AGRICULTURE—Continued.

522

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|--------------------------------------|------------------------|--------------|
| | | | 1832. |
| Rice, hulling, cleaning, and polishing - - - - | Joshua M. Buskey - | New York - - | Oct. 25 |
| Do do do - - - - | Theodore F. Strong & Marcus T. Moody | Northampton, Mass. - | Nov. 17 |
| Snut machine - - - - | Nathaniel Winslow - | Poughkeepsie, N. Y. | Oct. 25 |
| Straw, hay, stalks, &c., machine for cutting- | Jacob Harland - | Tompkinsville, Ky. - | April 19 |
| Thrashing machine - - - - | Orlando Hurd - | Bridgeport, Conn | Jan. 31 |
| Do do - - - - | Nathaniel Adams - | Westmoreland, N. Y. | Mar. 2 |
| Do do and grist mill attached - - - - | Matthew Wilson - | Springfield, Va. - | April 18 |
| Do do - - - - | Hardin Branch - | New York - - | April 18 |
| Do do - - - - | Samuel Kable - | Beaver creek tow'sp, O | May 10 |
| Do do and other machines propelling by animal power | Thomas D Burrall & Jehiel F. Axtell | Geneva, N. Y. - | June 13 |
| Do do - - - - | M. L. Flaglor - | New York - - | July 7 |
| Do do - - - - | Squire Gambell - | Onandaga, N. Y. - | Oct. 25 |
| Do do shelling corn and grinding apples - - | Jesse Bevier - | Sempronius, N. Y. - | Dec. 11 |
| Winnowing mill machinery - - - - | James Ruple - | Washington, Pa. - | May 19 |
| Do do - - - - | Daniel Davis - | Cornish, N. H. - | July 5 |

LIST OF PATENTS—AGRICULTURE—Continued.

| NAMES OF PATENTEES | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---|------------------------|--|--------------|
| | | | 1832. |
| Adams, Nathaniel - | Westmoreland, N. Y. | Thrashing machine - - - - - | March 2 |
| Beach, Waldren - | Philadelphia, Pa. - | Cultivator or harrow, two-winged shifting tooth - - - | Oct. 25 |
| Beach, Joseph, and Syl- vester Starr - | Middletown, Conn. - | Rice, hulling, cleaning, and polishing - - - - - | May 10 |
| Bevier, Jesse - | Sempronius, N. Y. - | Thrashing machine, shelling corn and grinding apples - - | Dec. 11 |
| Beach, Waldren - | Philadelphia, Pa. - | Plough, self-sharpening - - - - - | Do 28 |
| Branch, Hardin - | New York - - - - - | Thrashing machine - - - - - | April 18 |
| Buskey, Joshua M. - | Do - - - - - | Rice, hulling, cleaning, and polishing - - - - - | Oct. 25 |
| Burrall, Thomas D., and Jehiel F. Axtell - | Geneva, N. Y. - | Thrashing machine, and other machines propelled by animal power - - - - - | June 13 |
| Buch, John - | E. Rushville, O. - | Plough - - - - - | Dec. 28 |
| Carpenter, Michael - | Lancaster, Pa. - | Corn-shelling machine - - - - - | Oct. 25 |
| Chase, Ebenezer C. - | Jay, Maine - - - - - | Flax and hemp, breaking and dressing - - - - - | Jan. 6 |
| Crowl, George - | Sleepy creek, Va. - | Plough - - - - - | June 27 |
| Clinton, David - | New Haven, Conn. - | Fanning mill - - - - - | Nov. 29 |
| Davis, Daniel - | Cornish, N. H. - | Winnowing mill - - - - - | July 5 |
| Dean, Jonathan R. - | Augusta township, O. - | Apples, machine for grinding - - - - - | April 5 |
| Dudley, Joseph - | Fleming co, Ky. - | Plough - - - - - | May 8 |
| Faber, George, and Ed- ward Faber - | Pittsburgh, Pa. - | Clover seed, machine for hulling - - - - - | Oct. 13 |
| Faber, George - | Chambersburg, Pa. - | Do do cleaning - - - - - | April 5 |
| Fitch, Samuel - | Edmeston, N. Y. - | Fanning mill - - - - - | Jan. 6 |
| Flaglor, M. L. - | New York - - - - - | Thrashing machine - - - - - | July 7 |
| Gambell, Squire - | Onondaga, N. Y. - | Do do - - - - - | Oct. 25 |

LIST OF PATENTS—AGRICULTURE—Continued.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|------------------------|------------------------|---|-----------------|
| Gee, William - | Pr. Georges' co., Va. | Corn shelling machine - - - - - | 1832. May 10 |
| Harris, Edmund, James | | | |
| Newton, Willard | | | |
| Webster, and Jehiel | | | |
| W. Dart - - | Truxton, N. Y. - | Apples, potatoes, &c., machine for grinding and shelling - | Mar. 10 |
| Hall, Daniel - - | Strasburg townsh., Pa. | Corn-shelling machine - - - - - | Nov. 12 |
| Harland, Jacob - | Tompkinsville, Ky. - | Straw, hay, stalks, &c, machine for cutting - - - - - | April 19 |
| Higley, Henry - | Canaan, Conn. - | Plough and harrow - - - - - | Dec. 11 |
| Hinkley, Benjamin - | Fayette, Maine, - | Hoe - - - - - | June 23 |
| Hurd, Orlando - | Bridgeport, Conn. - | Thrashing machine - - - - - | Jan. 31 |
| Hunter, John W., M. | | | |
| L. Hunt, and Sulli- | | | |
| van Holman - | Oakland co., M. Ter. | Fanning mill - - - - - | Dec. 18 |
| Huffman, Moses - | Elizabeth, Ten. - | Plough, barshare - - - - - | Do. 28 |
| Kable, Samuel - | Beaver cr'k towns'p, O | Thrashing machine - - - - - | May 10 |
| Look, Abel, and Wil- | | | |
| liam Coleman, jr. | Fredericktown, Md. | Grain, grass seeds, rice, &c., separating from straw - | Mar. 21 |
| Lull, Orrin - - | Otsego, N. Y. - | Do hulling and cleaning - - - - - | Aug. 25 |
| Monohon, George - | Augusta township, O. | Clover seed, machine for hulling - - - - - | April 27 |
| Moore, John - - | Cynthiana, Ky. - | Plough - - - - - | Aug. 17 |
| Mullier, Daniel - | Wooster, Ohio - | Corn, clover, shelling and thrashing machine, combined with | |
| Norton, Job B. - | | a grist-mill - - - - - | Jan. 24 |
| Prine, Peter, and Lott | | Plough, self-sharpening - - - - - | April 27 |
| Huestis - - | Auburn, N Y. - | Fanning mill - - - - - | Feb. 23 |

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|---|------------------------|---|-------|----|
| Parmer, George W. | Jefferson township, O. | Plough | Aug. | 17 |
| Register, Thomas | West township, O. | Buckwheat, barley, &c., hulling | April | 5 |
| Reading, Pierson | Trenton, N. J. | Clover seed, machine for hulling | July | 31 |
| Ruple, James | Washington, Pa. | Winnowing mill | May | 19 |
| Seabold, jr., Christopher | New Berlin, Pa. | Clover seed, machine for hulling | Mar. | 6 |
| Strong, Theodore F., & Marcus T. Moody | Northampton, Mass. | Rice, hulling, cleaning, and polishing, also barley | Aug. | 29 |
| Strong, Theodore F., & Marcus T. Moody | Northampton, Mass. | Rice, hulling, cleaning, and polishing | Nov. | 17 |
| Stanton, jr., Nath'l | Florida, N. Y. | Harrow, corn, and grain cultivator | July | 9 |
| Thomas, Christian | Lancaster, Pa. | Corn-shelling machine | Sept. | 3 |
| Wales, George | Centre township, Pa. | Clover seed, machine for hulling and chopping grain | July | 24 |
| Winslow, Nathaniel | Poughkeepsie, N. Y. | Smut machine | Oct. | 25 |
| Wilson, Mathew | Springfield, Va. | Thrashing machine, and grist mill attached | April | 18 |
| Woodside, James D. | Washington, D. C. | Harrow, revolving cylindrical | July | 28 |
| Wilson, Mark L. | Quakertown, Pa. | Lime, spreading on land | June | 22 |
| Whities, Thomas A. | Bellefontaine, Ohio | Plough | Jan. | 14 |
| Woodcock, Bancroft | Mount Pleasant, Pa. | Plough, self-sharpening | Jan. | 26 |
| Witherow, Samuel, as- signee of Sam'l Ogle | Adams co., Pa. | Do | Feb. | 28 |
| Wolf, George | Fairfield co., Ohio | Do | June | 27 |
| Weaver, John | Brownsville, Pa. | Do | Aug. | 17 |
| Zellnor, Arnold | Giles co., Ten. | Flax and hemp, breaking and dressing | Oct. | 25 |

LIST OF PATENTS—FACTORY MACHINERY.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|---|----------------------|--------------|
| | | | 1832. |
| Andirons, manufacturing | William Wilson | Greenfield, Mass. | May 16 |
| Axes, machine for making | Josiah Pratt, jr. | Charlemont, Mass. | April 6 |
| Do oval | Asahel Collins | Winstead, Conn. | Oct. 25 |
| Do hatchets, &c. | David Hinman | Winchester, Conn. | Nov. 2 |
| Do | Benjamin Smith | Canton, Conn. | Do 2 |
| Bells for cows or sheep, brazing and bronzing them | Samuel Booth | Berlin, Conn. | June 1 |
| Bleaching cotton linens, &c. | John B. Green | Portsmouth, N. H. | May 29 |
| Boards, &c., mode of seasoning, drying, and fitting, for use | Abraham Plumb | Buffalo, N. Y. | April 6 |
| Brand for barrels | Samuel Huse | Newburyport, Mass. | June 28 |
| Brush, broom, and other handles | Evans Turk | Harrisburgh, Pa. | May 18 |
| Can for conveying milk to market | Artemas Crittenden | West Turin, N. Y. | July 14 |
| Candles, machine for dipping | John Aborn | Trenton, N. J. | May 19 |
| Card for carding wool, cotton, &c. | Edward Faber | Pittsburgh, Pa. | Jan. 24 |
| Do boards preparing for the handle, and finishing them | Homer Whittemore | Newtown, N. Y. | April 27 |
| Carding machine | Robert Bartlett | Ripley, Ohio | Oct. 25 |
| Do do | Luther Colburn | Fairfield, Vt. | Nov. 20 |
| Cigars, fillers, machine for preparing | Joseph Maffet | Lancaster, Pa. | May 16 |
| Cotton, machine for spreading and picking | John C. Whitin | Northbridge, Mass. | July 20 |
| Felts, papermakers, washing and cleansing | Samuel E. Foster | Brattleborough, Vt. | May 25 |
| Filtering for papermaking | Thomas Trench | Ithaca, N. Y. | Do 26 |
| Fur, machine for cutting from pelt | Denison Williams | New York | Oct. 25 |
| Do do separating from hair | Charles Lockwood, Ransom Lockwood, and John Arnold, | Fairfield co., Conn. | Dec. 4 |
| Glass, flattening | John J. Adams | Washington, D. C. | April 21 |

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|---|---|---|---|---|--|---|---------------------|---|-------|----|
| Glass, machine for blowing | - | - | - | - | Joshua Laird | - | Pittsburgh, Pa. | - | Dec. | 14 |
| Glasses, luminous, preparing for orreries, &c. | - | - | - | - | Morris J. Gardiner | - | York, Pa. | - | April | 30 |
| Gridirons | - | - | - | - | Fenner Bush and Lious Pratt | - | Meriden, Conn. | - | July | 21 |
| Grinding cylinders, called the traverse grinder | - | - | - | - | Jonathan Bridges | - | Troy, N. Y. | - | Do | 24 |
| Hair, picking, twisting, curling, &c., for mattresses, &c. | - | - | - | - | Asahel Green & Jason C. Osgood | - | Hamilton, N. Y. | - | Dec. | 18 |
| Hats, manufacturing | - | - | - | - | Joel Taylor and Charles Brown | - | Danbury, Conn. | - | Jan. | 13 |
| Do washing | - | - | - | - | Samuel Drinkhouse | - | Eastonborough, Pa. | - | Do | 30 |
| Do water proof | - | - | - | - | Richard Mills | - | Baltimore, Md. | - | Feb. | 27 |
| Do napping | - | - | - | - | Joseph Dart, jr., Wm. Wells, and Daniel Olmstead | - | Buffalo, N. Y. | - | May | 12 |
| Do bodies forming | - | - | - | - | Seth Graham | - | Fayette, Maine | - | Do | 15 |
| Do napping, application of hot water | - | - | - | - | Hiram Wortham and Garrard S. Petty | - | Lancaster, Ky. | - | July | 9 |
| Do water proofs, stiffening for | - | - | - | - | George W. Downs | - | Circleville, Ohio | - | Oct. | 25 |
| Do planking | - | - | - | - | George Page and Ed- win Page | - | Manchester, Conn. | - | Nov. | 9 |
| Iron, manufacturing sheet, boiler, slit, and bar, also castings | - | - | - | - | Norman Callender | - | Cumberland co., Pa. | - | Dec. | 14 |
| Lathe, turning | - | - | - | - | William Green | - | Bedford co., Tenn. | - | April | 27 |
| Do do | - | - | - | - | John Bisbee | - | Plainfield, Mass. | - | Nov. | 8 |
| Locks, manufacturing | - | - | - | - | James Meneely | - | Watervleit, N. Y. | - | Jan. | 12 |
| Nails, manufacturing wrought | - | - | - | - | Thomas W. Harvey | - | Jamestown, N. Y. | - | Jan. | 24 |
| Nails, cutting and heading | - | - | - | - | Emerald Mason | - | Milton, Vt | - | June | 6 |
| Do manufacturing | - | - | - | - | Freeman Palmer | - | Buffalo, N. Y. | - | Oct. | 25 |
| Do do wrought | - | - | - | - | John V. Green | - | New York | - | Dec. | 28 |
| Nets for horses | - | - | - | - | Henry Korn | - | Philadelphia, Pa. | - | June | 22 |

LIST OF PATENTS—FACTORY MACHINERY— Continued.

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| INVENTIONS AND DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|--|-------------------------|-----------------|
| | | | 1832. |
| Oil cloth, manufacturing by machinery - - - - | Deborah Powers, administratrix of William Powers - | Lansingburgh, N. Y. | Feb. 18 |
| Oakum, manufacturing from junk - - - - | Ebenezer Cook - | Haddam, Conn. - | July 9 |
| Paper, manufacturing for covering buildings - - - - | Frederick A. Taft - | Dedham, Mass. - | May 11 |
| Do sizing - - - - | John Ames - | Springfield, Mass. - | Sept. 1 |
| Do manufacturing (re-issued October 25, 1832) - - - - | Do - | Do do - | 1822. May 14 |
| Do press cylinder, hot and cold - - - - | Ashael H. Jervis and Thomas Trench - | Ithaca, N. Y. - | 1832. Nov. 6 |
| Pins, manufacturing - - - - | John J. Howe - | North Salem, N. Y. - | June 22 |
| Pipes, coating with tin - - - - | Thomas Ewbank - | New York - | May 16 |
| Plane, double iron trying - - - - | Wm. B. Reynolds - | St. Clairsville, Ohio - | July 7 |
| Pliers, cutting - - - - | Russel Curtis - | Springfield, Mass. - | Oct. 25 |
| Pulp strainer - - - - | James Sawyer - | Newbury, Vt. - | Jan. 21 |
| Do dresser - - - - | Coleman Sellers - | Philadelphia, Pa. - | June 6 |
| Do preparing and dressing - - - - | John Ames - | Springfield, Mass. - | Sept. 1 |
| Punching holes in raw hides - - - - | William Angell - | Providence, R. I. - | July 19 |
| Do pressing, cutting, and slitting, iron, steel, &c., trimming hoes, saw plates, jointing and cutting the teeth of saws, and gumming them - - - - | James Bennett - | Brutus, N. Y. - | July 25 |
| Rags, machine for cleaning - - - - | George Carriel - | Manchester, Conn. - | Feb. 7 |
| Do do do and dusting - - - - | Samuel E. Foster - | Brattleboro', Vt. - | June 1 |
| Rivets for coopers - - - - | George W. Sowle - | New Bedford, Mass. - | May 11 |
| Roving, cotton - - - - | John A. Bradshaw - | Foxborough, Mass. - | Dec. 8 |

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| Ruling paper | - | - | - | - | - | Alfred Hathaway | - | Troy, Mass. | - | Do | 31 |
| Saws, manufacturing | - | - | - | - | - | Stephen Ustick | - | Washington, D. C. | - | Aug. | 11 |
| Saws, gumming saw mill | - | - | - | - | - | Jeremiah Case | - | Sodus, N. Y. | - | Oct. | 25 |
| Saw set for mills | - | - | - | - | - | Norman Urquhart | - | Madison co, Ala. | - | Feb. | 7 |
| Saw strainer | - | - | - | - | - | Tennis V. Le Roy and Abel andford | - | Newport, N Y. | - | July | 25 |
| Screws, endless, cutting | - | - | - | - | - | John H. Shrader | - | Philadelphia, Pa. | - | Oct. | 25 |
| Shot, buck, manufacturing | - | - | - | - | - | John Snyder | - | New York | - | Jan | 26 |
| Silk, reel, for winding from cocoons | - | - | - | - | - | Eliphalet Snow | - | Mansfield, Conn. | - | Mar | 16 |
| Do | - | - | - | - | - | Charles G. Greene | - | Windsor, Vt. | - | May | 31 |
| Spade Socket | - | - | - | - | - | Charles Richmond and S. Caswell, jr. | - | Taunton, Mass. | - | July | 13 |
| Spinning wool, &c., and the manufacture of heavy fabrics | - | - | - | - | - | Wm. W. Calvert, Roy. al Southwick and Al. red Messenger | - | Lowell, Mass. | - | Mar. | 31 |
| Do do and cotton | - | - | - | - | - | David Newbrough | - | Riley township, Ohio | - | April | 27 |
| Spindle cotton | - | - | - | - | - | Nathaniel Rider | - | Dudley, Mass. | - | Nov. | 3 |
| Spools and bobbins, used in spinning revolving cutters for truing and equalizing the ends | - | - | - | - | - | Simeon Presbrey, jr. | - | Canton, Mass. | - | July | 26 |
| Spoons, manufacturing | - | - | - | - | - | Charles Goodyear | - | Philadelphia, Pa. | - | Aug. | 11 |
| Throstle frame for spinning cotton | - | - | - | - | - | Seth Simmons | - | Providence, R. I. | - | Jan. | 16 |
| Turning chair tops | - | - | - | - | - | Horatio Cooke | - | New York | - | Nov. | 30 |
| Visors, leather, machine for cutting for caps | - | - | - | - | - | John Hawkins | - | Roxbury, Mass. | - | Feb. | 20 |
| Wrench rack | - | - | - | - | - | Henry King | - | Springfield, Mass. | - | Oct. | 25 |
| Yarn, machinery for dressing preparatory to weaving | - | - | - | - | - | Samuel Bathchelder | - | Saco, Maine | - | June | 22 |

LIST OF PATENTS—FACTORY MACHINERY.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|--------------------------------------|-----------------------|--|--------------|
| | | | 1832. |
| Ahorn, John - | Trenton, N. J. - | Candles, machine for dipping - | May 19 |
| Adams, John J. - | Washington, D. C. - | Glass, flattening - | April 21 |
| Ames, John - | Springfield, Mass. - | Pulp, preparing and dressing - | Sept. 1 |
| Do - | Do do - | Paper sizing - | Do 1 |
| | | | 1822. |
| Do - | Do do - | Do manufacturing (re-issued October 25, 1832) - | May 14 |
| | | | 1832. |
| Angell, William - | Povidence, R. I. - | Punching holes in raw hides - | July 19 |
| Booth, Samuel - | Berlin, Conn. - | Bells for cows or sheep, brazing and bronzing them - | June 1 |
| Bartlett, Robert - | Ripley, Ohio - | Carding machine - | Oct. 25 |
| Bush, Fenner, and Li- nus Pratt - | Meriden, Conn. - | Gridirons - | July 21 |
| Bridges, Jonathan - | Troy, N. Y. - | Grinding cylinders, called the traverse grinder - | Do 24 |
| Bisbee, John - | Plainfield, Mass. - | Lathe, turning - | Nov. 8 |
| Bennett, James - | Brutus, N. Y. - | Punching, pressing, cutting, and slitting, iron, steel, &c., and trimming hoes, saw plates, jointing and cutting the teeth of saws, and gumming them - | July 25 |
| Bradshaw, John A. - | Foxborough, Mass. - | Roving cotton - | Dec. 8 |
| Batchehler, Samuel - | Saco, Maine - | Yarn, machinery for dressin, preparatory to weaving - | June 22 |
| Collins, Asahel - | Winstead, Conn. - | Axes, oval - | Oct. 25 |
| Crittenden, Artemus - | West Turin, N Y. - | Can for conveying milk to market - | July 14 |
| Colburn, Luther - | Fairfield, Vt. - | Carding machine - | Nov. 20 |
| Callender, Norman - | Cumberland co., Pa. - | Iron, manufacturing sheet, boiler, slit, and bar, also castings - | Dec. 14 |
| Cook, Ebenezer - | Haddam, Conn. - | Oakum, manufacturing from junk - | July 9 |
| Curtis, Russel - | Springfield, Mass. - | Pliers, cutting - | Oct. 25 |

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|--|---|---------------------|---|--|---|---|---|---|---|-------|----|
| Carriel, George | - | Manchester, Conn. | - | Rags, machine for cleaning | - | - | - | - | - | Feb. | 7 |
| Case, Jeremiah | - | Sodus, N. Y. | - | Saws, gumming saw mill | - | - | - | - | - | Oct. | 25 |
| Calvert, Wm. W., Royal Southwick, and Alfred Messenger | - | Lowel, Mass. | - | Spinning wool, &c., and the manufacture of heavy fabricks | - | - | - | - | - | March | 31 |
| Cooke, Horatio | - | New York | - | Turning chair tops | - | - | - | - | - | Nov. | 30 |
| Dart, jr., Joseph, Wm. Wells and Daniel Omstead | - | Buffalo, N. Y. | - | Hats, napping | - | - | - | - | - | May | 12 |
| Downs, George W. | - | Circleville, Ohio | - | Do water proofs, stiffening for | - | - | - | - | - | Oct. | 25 |
| Drinkhouse, Samuel | - | Eastonborough, Pa. | - | Do washing | - | - | - | - | - | Jan. | 30 |
| Ewbank, Thomas | - | New York | - | Pipes, coating with tin | - | - | - | - | - | May | 16 |
| Faber, Edward | - | Pittsburgh, Pa. | - | Card, for carding wool, cotton, &c. | - | - | - | - | - | Jan. | 24 |
| Foster, Samuel E. | - | Brattleborough, Vt. | - | Felts, paper makers, washing and cleaning | - | - | - | - | - | May | 25 |
| French, Thomas | - | Ithaca, N. Y. | - | Filtering for paper making | - | - | - | - | - | Do | 26 |
| Foster, Samuel E. | - | Brattleboro, Vt. | - | Rags, machine for cleaning and dusting | - | - | - | - | - | June | 1 |
| Green, John E | - | Portsmouth, N. H. | - | Bleaching cotton, linens, &c. | - | - | - | - | - | May | 29 |
| Green, Asahel, and Jason C. Osgood | - | Hamilton, N. Y. | - | Hair, picking, twisting, curling, &c., for mattresses, &c. | - | - | - | - | - | Dec. | 18 |
| Graham, Seth | - | Fayette, Maine | - | Hat bodies, forming | - | - | - | - | - | May | 15 |
| Green, William | - | Bedford co., Tenn. | - | Lathe, turning | - | - | - | - | - | April | 27 |
| Green, John V. | - | New York | - | Nails, manufacturing wrought | - | - | - | - | - | Dec. | 28 |
| Greene, Charles G | - | Windsor, Vt. | - | Silk reel | - | - | - | - | - | May | 21 |
| Goodyear, Charles | - | Philadelphia, Pa. | - | Spoons, manufacturing | - | - | - | - | - | Aug. | 11 |
| Gardiner, Morris J. | - | York, Pa. | - | Glasses, luminous, preparing for orreries, &c. | - | - | - | - | - | April | 30 |
| Hinman, David | - | Winchester, Conn. | - | Axes, hatchets, &c. | - | - | - | - | - | Nov. | 2 |
| Huse, Samuel | - | Newburyport, Mass. | - | Brand for barrels | - | - | - | - | - | June | 28 |
| Harvey, Thomas W. | - | Jamestown, N. Y. | - | Nails, manufacturing wrought | - | - | - | - | - | Jan. | 24 |
| Howe, John J. | - | North Salem, N. Y. | - | Pins, manufacturing | - | - | - | - | - | June | 22 |
| Hathaway, Alfred | - | Troy, Mass. | - | Ruling paper | - | - | - | - | - | Dec. | 31 |
| Hawkins, John | - | Roxbury, Mass. | - | Visors, leather, machine for cutting for caps | - | - | - | - | - | Feb. | 20 |

LIST OF PATENTS—FACTORY MACHINERY—Continued.

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| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---|------------------------|---|--------------|
| | | | 1832. |
| Jervis, Asahel H., & Thomas French - | Ithaca, N. Y. - | Paper, press, cylinder, hot and cold - - - - | Nov. 6 |
| Korn, Henry - | Philadelphia, Pa. - | Nets for horses - - - - | June 22 |
| King, Henry - | Springfield, Mass. - | Wrench rack - - - - | Oct. 25 |
| Lockwood, Charles, Ransom Lockwood, and John Arnold - | Fairfield co., Conn. - | Fur, machine for separating from hair - - - - | Dec. 4 |
| Laird, Joshua - | Pittsburgh, Pa. - | Glass, machine for blowing - - - - | Do 14 |
| Le Roy, Tennis V. and Abel Sandford - | New York, N. Y. - | Saw strainer - - - - | July 25 |
| Mills, Richard - | Baltimore, Md. - | Hats, water proof - - - - | Feb. 27 |
| Meneely, James - | Watervleit, N. Y. - | Locks, manufacturing - - - - | Jan. 12 |
| Maffit, Joseph - | Lancaster Pa. - | Cigars, Filler's machine for preparing - - - - | May 16 |
| Mason, Emerald - | Milton, Vt. - | Nails, cutting and heading - - - - | June 6 |
| Newborough, David - | Riley township, Ohio - | Spinning wool and cotton - - - - | April 27 |
| Page, George, and Edwin Page - | Manchester, Conn. - | Hats, planking - - - - | Nov. 9 |
| Pratt, jr., Josiah - | Charlemont, Mass. - | Axes, machine for making - - - - | April 6 |
| Plumb, Abraham - | Buffalo, N. Y. - | Boards, &c., mode of seasoning, drying, and fitting, for use - - - - | April 6 |
| Palmer, Freeman - | Do do - | Nails, manufacturing - - - - | Oct. 25 |
| Powers, Deborah, administratrix of William Powers - | Lansingburg, N. Y. - | Oil cloth, manufacturing by machinery - - - - | Feb. 18 |
| Presbery, jr., Simeon - | Canton, Mass. - | Spools and bobbins, used in spinning revolving cutters for truing and equalizing the ends - - - - | July 26 |

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|---|-----------------------|---|-------|----|
| Reynolds, William B. | St. Clairsville, Ohio | Plane, double iron trying | July | 7 |
| Richmond, Charles, and S. Caswell, jr. | Taunton, Mass. | Spade socket | July | 13 |
| Rider, Nathaniel | Dudley, Mass. | Spindle cotton | Nov. | 3 |
| Smith, Benjamin | Canton, Conn. | Axes | Nov. | 2 |
| Sawyer, James | Newbury, Vt. | Pulp strainer | Jan. | 21 |
| Sellers, Coleman | Philadelphia, Pa. | Do dresser | June | 6 |
| Sowle, George W. | New Bedford, Mass. | Rivets for coopers | May | 11 |
| Shrader, John H. | Philadelphia, Pa. | Screws, endless, cutting | Oct. | 25 |
| Snyder, John | New York | Shot, buck, manufacturing | Jan. | 26 |
| Snow, Eliphalet | Mansfield, Conn. | Silk reel, for winding from cocoons | Mar. | 16 |
| Simmons, Seth | Providence, R. I. | Throstle frame for spinning cotton | Jan. | 16 |
| Turk, Evans | Harrisburg, Pa. | Brush, brooms, and other handles | May | 18 |
| Taylor, Joel and Charles Brown | Danbury, Conn. | Hats, manufacturing | Jan. | 13 |
| Taft, Frederick A. | Dedham, Mass. | Paper, manufacturing for covering buildings | May | 11 |
| Ustick, Stephen | Washington, D. C. | Saws, manufacturing | Aug. | 11 |
| Urquhart, Norman | Madison, co., Ala. | Saw set for mills | Feb. | 7 |
| Wilson, William | Greenfield, Mass. | Andirons, manufacturing | May | 16 |
| Whittemore, Homer | Newton, N. Y. | Card, boards preparing for the handle, and finishing them | April | 27 |
| Whitton, John C. | Northbridge, Mass. | Cotton, machine for spreading and picking | July | 20 |
| Williams, Denison | New York | Fur, machine for cutting from pelt | Oct. | 25 |
| Wortham, Hiram, and Garrard S. Petty | Lancaster, Ky. | Hats, napping, application of hot water | July | 9 |

LIST OF PATENTS—COMMON TRADES.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|-----------------------------------|---------------------|--------------|
| | | | 1832. |
| Awl haft | David M. Smith | Gilsum, N. H. | Oct. 25 |
| Barrels, manufacturing, for oil | Barnabas Springer | Henry co., Ind. | April 27 |
| Bed bugs, destroying by steam | Benjamin Overman | Greensboro, N. C. | June 22 |
| Beadsteads | Cornelius Van Noy | Lexington, Ky. | Jan. 10 |
| Do fastenings | Hardin Branch | New York | April 18 |
| Do sofas, settees, &c. | John P. Allen | Manchester, Mass. | May 19 |
| Do | Bethel Judd | New London, Conn. | Do 25 |
| Do | Henry Reisinger | York, Pa. | Aug. 18 |
| Do fastenings | John Richman | Lancaster, Ohio | Dec. 28 |
| Board, shearing | Simon Willard | Cincinnati, Ohio | May 9 |
| Books, machine for cutting | Archibald O. Douglass | Philadelphia, Pa. | Jan. 6 |
| Boots and shoes, machine for pegging | Frederick Gray | Rowley, Mass. | April 6 |
| Do machine for crimping | Silas Witherby | Essex, Vt. | May 12 |
| Do and shoes, attaching soles to gum elastic | Wait Webster | New York | May 19 |
| Do cramping | Lewis Lucas | Barre, Vt. | July 25 |
| Boxes, manufacturing of wood | Harrison Holland | Belcherstown, Mass. | April 13 |
| Bricks, machine for moulding | John Drummond | Whitestown, N. Y. | March 6 |
| Do do do and pressing | Daniel Barnford | Deerfield, N. Y. | April 28 |
| Do do do do | David Philips | Natchez, Miss. | June 23 |
| Do stock, tile, &c. | David Flagg, jr., and Amos Parker | Sweden, N. Y. | Dec. 28 |
| Buildings, securing against fire | Ebenezer Mix | Batavia, N. Y. | Nov. 22 |
| Bugs, manufacturing | Robert Barlow | Philadelphia, Penn. | Dec. 1 |
| Churn | John H. Bruner | McKean, Ohio | Feb. 9 |
| Do revolving dasher | Hardin Branch | New York | April 18 |

| | | | | |
|---|---------------------------------------|------------------------|-------|----|
| Churn, balanced lever | Caleb Angevine | New York | April | 19 |
| Do | Jedediah Darrow | Warren, Ohio | June | 2 |
| Do | Wm. Loomis | Ashford, Conn. | June | 7 |
| Do lever | Jesse Ladd | Holdeness, N. H. | June | 22 |
| Do | Simeon Power | Lawrenceville, Pa. | June | 23 |
| Do | Isaac Van Gorder | Warren, Ohio | | 27 |
| Do | James Bennett | Brutus, N. Y. | July | 25 |
| Do | Caleb C. Knowles | Fayette, Maine | Aug. | 2 |
| Do | Anthony C. Carrel | Granville, Ohio | Oct. | 25 |
| Do | Joseph Rickey | Centre township, O. | Oct. | 25 |
| Do | Eli Willemin | Salem township, O. | Oct. | 25 |
| Clay, machine for mixing, and making brick | David Phillips and John Drummond | Whitestown, N. Y. | May | 15 |
| Do do do | Jesse Chapman | Mad river township, O. | June | 2 |
| Clothes, vice for fastening them on a line | Samuel Prior | Salem, N. J. | Mar. | 22 |
| Cork, applied to filling beds, matrasses, &c. | Stephen Bates | Boston, Mass. | Dec. | 28 |
| Crackers, ship buscuit, &c. | John and Charles Bruce | King's co., N. Y. | Mar. | 13 |
| Diamonds, setting | John Dickinson | Philadelphia, Pa. | Nov. | 30 |
| Doors | Eastman R. Ball | Oswego, N. Y. | April | 5 |
| Do fastenings for | Calvin Washburn | Bridgewater, Mass. | | 18 |
| Do locks | James Kyle | New York | May | 18 |
| Do do or spring catch | Robert J. Byram | Boston, Mass. | | 31 |
| Do spring vertical wire | John Codman | Do | Dec. | 28 |
| Dough, machine for kneading | Nimrod C. Willett | Jonesborough, Ten. | Do. | 28 |
| Felleys, bending | Tristram Kimball | Salem, N. H. | Jan. | 16 |
| Garments, tailor's square for delineating | Andrew Wiswell | Exeter, N. H. | June | 7 |
| Handles to hoes, &c., mode of fastening | Reneer Dare | Greenwich, N. J. | Feb. | 14 |
| Hones, glass | Alexander Gordon and Jonn P. Bakewell | Pittsburgh, Pa. | Dec. | 8 |
| Laths, revolving machine for cutting | Simon Willard | Cincinnati, Ohio | Mar. | 16 |
| Do machine for cutting | Ira Carpenter | Do | May | 2 |

LIST OF PATENTS—COMMON TRADES—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|---------------------------------------|---------------------------|--------------|
| | | | 1832. |
| Marble, sawing, with a revolving saw - - - - | Isaac D. Kirk - | Philadelphia, Pa. - | July 3 |
| Do do &c. (date of patent July 3, 1832) - - | Do - | Do - | Dec. 28 |
| Moccasins, socks, &c. - - - - | Denison Williams - | New York - | Oct. 25 |
| Pegging machine - - - - | William B. Randall - | Fayette, Maine - | Aug. 6 |
| Pegs or pins, pointing - - - - | James Hull - | No. Bridgewater, Mass - | July 7 |
| Planeing wood, horizontal knife and roller plane - | Uri Emmons - | New York - | March 6 |
| Do boards, grinding and polishing marble, and sawing tenons with circular saws - - - - | Moses Lancaster - | N. Liberties, Phila. - | April 5 |
| Planeing, tongueing, and grooving, boards - - - - | John Drummond - | Whitestown, N. Y. - | Do 27 |
| Do machine - - - - | Thomas F. Fuller - | Bristol, Pa. - | Oct. 25 |
| Ruler, parallel - - - - | James Carrington - | Wallingford, Conn. - | April 14 |
| Saddle-trees, harness - - - - | Philo Washburn - | Taunton, Mass. - | Mar. 8 |
| Do steel spring worm - - - - | George Pritchard - | Clarksburg, Va. - | May 3 |
| Sausage meat, machine for cutting - - - - | John Brannan - | Baltimore, Md. - | Mar. 8 |
| Do do do do - - - - | Charles Otis - | Greene, Pa. - | Nov. 29 |
| Sawing wood by hand, horse, or water, power - - - - | Jackson Blood, and Samuel A Hurd - | Fairfield co., Conn. - | May 22 |
| Do circles - - - - | Thomas Armstrong - | Anderson township, O. - | July 18 |
| Shingle sawing machine - - - - | Duncan McArthur and Thomas McKibbin - | Urbana, Ohio - | Feb. 15 |
| Do cutting machine - - - - | George Wolf - | Clear creek townsh'p, O - | Mar. 22 |
| Do staves, headings, &c. - - - - | David Flagg, jr. - | New York - | Dec. 28 |
| Stairs, circular elliptical, or conic - - - - | Edward B. Smith - | Buffalo, N. Y. - | Nov. 15 |
| Staves, jointing by a circular saw, and for sawing bilging staves, by means of convex concave circular saws - - - - | Philip Cornell - | Brutus, N. Y. - | April 11 |

| | | | | | | | | | | |
|---|---|---|---|---|--|---|---------------------|---|-------|----|
| Stone or marble, machine for dressing | - | - | - | - | Clark Miller, jr. | - | Williamsport, Pa. | - | Feb. | 14 |
| Stock for the neck | - | - | - | - | Edmund Badger | - | Philadelphia, Pa. | - | April | 5 |
| Taps, for soles of boots and shoes, machine for hardening | - | - | - | - | Stillman Knowlton | - | Athol, Mass. | - | Oct. | 25 |
| Tools, machine for holding and guiding | - | - | - | - | George A. Medeira | - | Chambersburg, Pa. | - | April | 19 |
| Washing machine | - | - | - | - | Sylvanus Hathaway | - | Massillon, Ohio | - | Feb. | 13 |
| Do do | - | - | - | - | Wm. McAll, H. H. Higgins, and Reuben G. Rogers | - | Athens, Ala. | - | | 15 |
| Do do and scouring, horizontal double | - | - | - | - | Noah Morrison and John Lewis | - | Uniontown, Pa. | - | Mar. | 14 |
| Do do | - | - | - | - | David G. Wilson | - | Machias, Maine | - | April | 6 |
| Do do | - | - | - | - | Simeon Savage | - | E. Machias, Maine | - | | 11 |
| Do do | - | - | - | - | Silvanus Minton | - | Pendleton, S. C. | - | | 14 |
| Do do | - | - | - | - | Benton P. Coston | - | Philadelphia, Pa. | - | | 27 |
| Do do for cloth in garments, double cylinder | - | - | - | - | John S. Pulsifer and Ebenezer Pulsifer | - | Ipswich, Mass. | - | May | 21 |
| Do do | - | - | - | - | Ezra Fisk | - | Fayette, Maine | - | | 25 |
| Do do called the wash drum | - | - | - | - | Ebenezer Mayo | - | Hallowell, Maine | - | | 26 |
| Do do | - | - | - | - | Ira Avery | - | Springfield, Pa. | - | June | 22 |
| Do do | - | - | - | - | Nathan D. Howe and James McCollam | - | New Petersburg, O. | - | Do | 30 |
| Do do | - | - | - | - | Isaac S. Wright | - | Weedspport, N. Y. | - | July | 18 |
| Do do | - | - | - | - | Watson W. Woodburn | - | Greensburg, N. C. | - | Do | 18 |
| Do do rolling for clothes, wool, and scouring leather | - | - | - | - | Camm Moore | - | Guilford co., N. C. | - | Oct. | 30 |
| Do do | - | - | - | - | Wm. H. Cumming | - | Guilford co., N. C. | - | Nov. | 3 |
| Do do cylindrical | - | - | - | - | Eli Nichols | - | Union township, O. | - | | 24 |
| Do do | - | - | - | - | Jacob Lindsey | - | Canajoharie, N. Y. | - | Dec. | 28 |
| Do do and drying clothes | - | - | - | - | Thomas Pearce | - | Hartwick, N. Y. | - | Dec. | 29 |
| Whip engine, for turning stocks | - | - | - | - | Giles Dayton and Andrew Mallory | - | Westfield, Mass. | - | April | 27 |
| Window sashes, manufacturing, (date of patent Dec. 6, 1830) | - | - | - | - | Charles Phomson | - | Poughkeepsie, N. Y. | - | Dec. | 6 |

LIST OF PATENTS—COMMON TRADES.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---------------------------------------|-----------------------|---|--------------|
| | | | 1832. |
| Allen, John P. | Manchester, Mass. | Bedsteads, sofas, settees, &c. | May 19 |
| Angevine, Caleb | New York | Churn, balanced lever | April 19 |
| Armstrong, Thomas | Anderson township, O. | Sawing circles | July 18 |
| Avery, Ira | Springville, Pa. | Washing machine | June 22 |
| Bamford, Daniel | Deerfield, N. Y. | Bricks, machine for moulding and pressing | April 28 |
| Branch, Hardin | New York | Bedstead fastenings | April 18 |
| Barlow, Robert | Philadelphia, Pa. | Bungs, manufacturing | Dec. 1 |
| Bruner, John H. | McKean, Ohio | Churn | Feb. 9 |
| Branch, Hardin | New York | Do revolving dasher | April 18 |
| Bennett, James | Brutus, N. Y. | Do | July 25 |
| Bates, Stephen | Boston, Mass. | Cork, applied to filling beds, matrassess, &c. | Dec. 28 |
| Bruce, John, and Cha's Bruce | King's co. N. Y. | Crackers, ship biscuits, &c. | Mar. 13 |
| Ball, Eastman R. | Oswego, N. Y. | Doors | April 5 |
| Byram, Robert J. | Boston, Mass. | Door locks or spring catch | May 31 |
| Blood, Jackson, and Samuel A. Hurd | Fairfield co., Conn. | Sawing wood by hand, horse, or water power | Do 22 |
| Badger Edmund | Philadelphia, Pa. | Stock for the neck | April 5 |
| Brannan, John | Baltimore, Md. | Sausage meat, machine for cutting | Mar. 8 |
| Carrel, Anthony C. | Granville, Ohio | Churn | Oct. 25 |
| Chapman, Jesse | Mad river township, O | Clay, machine for mixing | June 2 |
| Carpenter, Ira | Cincinnati, Ohio | Laths, machine for cutting | May 2 |
| Carrington, James | Wallingford, Conn. | Ruler, parallel | April 14 |
| Gornell, Philip | Brutus, N. Y. | Staves, jointing by a circular saw, and for sawing bilging staves by means of convex concave circular saws | Do 11 |

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|---|--------------------------|--|-----------|-------|----|
| Coston, Benton P. | - Philadelphia, Pa. | - Washing machine | - - - - - | April | 27 |
| Cumming, William H. | - Guilford co., N. C. | - Do do | - - - - - | Nov. | 3 |
| Codman John | - Boston, Mass. | - Door spring, vertical wire | - - - - - | Dec. | 28 |
| Douglass, Archibald O. | - Philadelphia, Pa. | - Books, machine for cutting | - - - - - | Jan. | 6 |
| Drummond, John | - Whitestown, N. Y. | - Bricks, machine for moulding | - - - - - | Mar. | 6 |
| Darrow, Jedediah | - Warren, Ohio | - Churn | - - - - - | June | 6 |
| Dickinson, John | - Philadelphia, Pa. | - Diamonds, setting | - - - - - | Nov. | 30 |
| Dare, Reneer | - Greenwich, Conn. | - Handles to hoes, &c., mode of fastening | - - - - - | Feb. | 12 |
| Drummond, John | - Whitestown, N. Y. | - Planeing, tongueing, and grooving boards | - - - - - | April | 27 |
| Dayton, Giles, and Andrew Mallory | - Westfield, Mass. | - Whip engine, for turning stock | - - - - - | Do | 27 |
| Emmons, Uri | - New York | - Planeing wood, horizontal knife and roller plane | - - - - - | March | 6 |
| Flagg, jr., David, and Amos Parker | - Sweden, N. Y. | - Brick, stock, tile, &c. | - - - - - | Dec. | 28 |
| Fuller, Thomas F. | - Bristol, Pa. | - Planeing machine | - - - - - | Oct. | 25 |
| Flagg, jr., David | - New York | - Shingle, stave, headings, &c. | - - - - - | Dec. | 28 |
| Fisk, Ezra | - Fayette, Maine | - Washing machine | - - - - - | May | 25 |
| Gray, Frederick | - Rowley, Mass. | - Boots and shoes, machine for pegging | - - - - - | April | 6 |
| Gordon, Alexander, and John P. Bakewell | - Pittsburgh, Pa. | - Hones, glass | - - - - - | Dec. | 8 |
| Holland, Harrison | - Belcherstown, Mass. | - Boxes, manufacturing of wood | - - - - - | April | 13 |
| Hall, James | - No. Bridgewater, Mass. | - Pegs or pins, pointing | - - - - - | July | 7 |
| Hathaway, Sylvanus | - Massillon, Ohio | - Washing machine | - - - - - | Feb. | 13 |
| Howe, Nathan D., and James McCollam | - New Petersburgh, O. | - Washing machine | - - - - - | June | 30 |
| Judd, Bethel | - New London, Conn. | - Bedsteads | - - - - - | May | 25 |
| Kyle, James | - New York | - Door locks | - - - - - | May | 18 |
| Knowles, Caleb C. | - Fayette, Maine | - Churn | - - - - - | Aug. | 2 |
| Kimball, Tristram | - Salem, N. Hamp. | - Felleys, bending | - - - - - | Jan. | 16 |
| Kirk, Isaac D. | - Philadelphia, Pa. | - Marble, sawing, with a revolving saw | - - - - - | July | 3 |
| Kirk, Isaac D. | - Do do | - Do do &c., (date of patent July 3, 1832) | - - - - - | Dec. | 28 |

LIST OF PATENTS—COMMON TRADES—Continued.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. | |
|---|------------------------|---|--------------|----|
| | | | 1832 | |
| Knowlton, Stillman - | Athol, Mass. - | Taps for soles of boots and shoes, machine for hardening - | Oct. | 25 |
| Lucas, Lewis - | Barre, Vt. - | Boots cramping - - - - - | July | 25 |
| Loomis, William. - | Ashford, Conn. - | Churn - - - - - | June | 7 |
| Ladd, Jesse - | Holdeness, N. H. - | Do lever - - - - - | Do | 22 |
| Lancaster, Moses - | N. Liberties, Phila. - | Planeing boards, grinding and polishing marble, and sawing te- nons with circular saws - - - - - | April | 5 |
| Lindsey, Jacob - | Canajoharie, N. Y. - | Washing mchine - - - - - | Dec. | 28 |
| Mix, Ebenezer - | Batavia, N. Y. - | Buildings, securing against fire - - - - - | Nov. | 22 |
| McArthur, Duncan, and Thomas McKibben - | Urbana, Ohio - | Shingle sawing machine - - - - - | Feb. | 15 |
| Miller, jr., Clark - | Williamsport, Pa. - | Stone or marble, machine for dressing - - - - - | Do | 14 |
| Medeira, George A. - | Chambersburg, Pa. - | Tools, machine for holding and guiding - - - - - | April | 19 |
| McAll, William, H. H. Higgins, and Reuben G. Rogers - | Athens, Ala. - | Washing machine - - - - - | Feb. | 15 |
| Morrison, Noah, and John Lewis - | Uniontown, Pa. - | Washing machine, and scouring, horizontal double - - - - - | Mar. | 14 |
| Minton, Sylvanus - | Pendleton, S. C. - | Do do - - - - - | April | 14 |
| Mayo, Ebenezer - | Hallowell, Maine - | Do do called the wash drum - - - - - | May | 26 |
| Moore, Camm - | Guilford co., N. C. - | Do do rolling for clothes, wool, and scouring leather - - - - - | Oct. | 30 |
| Nicholls, Eli - | Union township, O - | Do do cylindrical - - - - - | Nov. | 24 |
| Overman, Benjamin - | Greensboro', N. C. - | Bed bugs, destroying by steam - - - - - | June | 22 |
| Otis, Charles - | Greene, Pa. - | Sausage meat, machine for cutting - - - - - | Nov. | 29 |
| Philips, David - | Natchez, Miss. - | Bricks, machine for moulding and pressing - - - - - | June | 23 |
| Pritchard, George - | Clarksburg, Va. - | Saddle, steel spring worm - - - - - | May | 3 |
| Power, Simeon - | Lawrenceville, Pa. - | Churn - - - - - | June | 23 |

| | | | | | |
|---|---------------------------|--|---|---|----------|
| Philips, David, and John Drummond | - Whitestown, N. Y. | - Clay, machine for mixing and making brick | - | - | May 15 |
| Prior, Samuel | - Salem, N. J. | - Clothes, vice for fastening them on a line | - | - | March 22 |
| Pulsifer, John S., and Ebenezer Pulsifer | - Ipswich, Mass. | - Washing machine, for cloth in garments, double cylinder | - | - | May 21 |
| Pierce, Thomas | - Hartwick, N. Y. | - Do do and drying clothes | - | - | Dec. 29 |
| Reisinger, Henry | - York, Pa. | - Bedsteads | - | - | Aug. 18 |
| Richman, John | - Lancaster, O. | - Do fastenings | - | - | Dec. 28 |
| Rickey, Joseph | - Centre township, O. | - Churn | - | - | Oct. 25 |
| Randall, William B. | - Fayette, Maine | - Pegging machine | - | - | Aug. 6 |
| Smith, David M. | - Gilsum, N. H. | - Awl, haft | - | - | Oct. 25 |
| Springer, Barnabas | - Henry co., Indiana | - Barrels, manufacturing for oil | - | - | April 27 |
| Smith, Edward B. | - Buffalo, N. Y. | - Stairs, circular, elliptical, or conic | - | - | Nov. 15 |
| Savage, Simeon | - E. Machias, Maine | - Washing machine | - | - | April 11 |
| Thompson, Charles | - Poughkeepsie, N. Y. | - Window sashes, manufacturing (date of patent Dec. 6, 1830) | - | - | Dec. 6 |
| Van Gorder, Isaac | - Warren, Ohio | - Churn | - | - | June 27 |
| Van Noy, Cornelius | - Lexington, Ky. | - Bedsteads | - | - | Jan. 10 |
| Willard, Simon | - Cincinnati, Ohio | - Board shearing | - | - | May 9 |
| Witherby, Silas | - Essex, Vt. | - Boots, machine for crimping | - | - | Do 12 |
| Webster, Wait | - New York | - Do and shoes, attaching soles to gum elastic | - | - | Do 19 |
| Willemin, Eli | - Salem township, O. | - Churn | - | - | Oct. 25 |
| Washburn, Calvin | - Bridgewater, Mass. | - Doors, fastenings for | - | - | April 18 |
| Willet, Nimrod C. | - Jonesborough, Tenn. | - Dough, machine for kneading | - | - | Dec. 28 |
| Wiswell, Andrew | - Exeter, N. H. | - Garments, tailors' square for delineating | - | - | June 7 |
| Willard, Simon | - Cincinnati, Ohio | - Laths, revolving machine for cutting | - | - | Mar. 16 |
| Washburn, Philo | - Taunton, Mass. | - Saddle trees, harness | - | - | Do 8 |
| Wolf, George | - Clear creek towns'p, O. | - Shingle cutting machine | - | - | Do 22 |
| Wilson, David G. | - Machias, Maine | - Washing machine | - | - | April 6 |
| Wright, Isaac S. | - Weedsport, N. Y. | - Do do | - | - | July 18 |
| Woodburn, Watson W. | - Greensburgh, N. C. | - Do do | - | - | July 18 |
| Williams, Dennison | - New York | - Moccasins socks, &c. | - | - | Oct. 25 |

LIST OF PATENTS—LAND WORKS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|---------------------|-----------------------|--------------|
| | | | 1832. |
| Cars, railroad - - - - - | Samuel Snyder - | Lancaster, Pa. - | Nov. 10 |
| Carriages for railroads - - - - - | Isaac Cooper - | Baltimore, Md. - | Oct. 25 |
| Cog wheels, for propelling railway and locomotive cars up inclined planes - - - - - | William Bent - | Philadelphia, Pa. - | 25 |
| Locomotive steam engine and other railroad carriages - - - - - | S. H. Long - | Do do - | Dec. 28 |
| Rail carriage - - - - - | John C. Blauvelt - | Rockland co., N. Y. - | July 11 |
| Railways, and cars used thereon - - - - - | Jedediah Richards - | Elbridge, N. Y. - | Mar. 9 |
| Stumps, machine for extracting, and removing houses - - - - - | John E. Larkin - | Salem, N. Y. - | Oct. 25 |
| Switches or turn outs for railways - - - - - | William Howard - | Baltimore, Md. - | Aug. 2 |
| Wheels and axes of locomotive engines, and in rails for the road - - - - - | Richard Berrian - | New York - | Nov. 13 |
| Do for cars, drilling and boring - - - - - | Dean Walker - | Gunpowder, Md. - | Dec. 28 |

LIST OF PATENTS--LAND WORKS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---------------------|---------------------|---|--------------|
| | | | 1832. |
| Bent, William | Philadelphia, Pa. | Cog wheels, for propelling railway and locomotive cars up inclined planes | Oct. 25 |
| Blauvelt, John C. | Rockland co., N. Y. | Rail carriage | July 11 |
| Berrian, Richard | New York | Wheels and axles of locomotive engines, and in rails for the road | Nov. 13 |
| Cooper, Isaac | Baltimore, Md. | Carriages for railroads | Oct. 25 |
| Howard, William | Baltimore, Md. | Switches or turn-outs for railways | Aug 2 |
| Long, S. H. | Philadelphia, Pa. | Locomotive steam engine and other railroad carriages | Dec. 28 |
| Larkin, John E. | Salem, N. Y. | Stumps, machine for extracting, and removing houses | Oct. 25 |
| Richards, Jedediah | Elbridge, N. Y. | Railways, and cars used thereon | March 9 |
| Snyder, Samuel | Lancaster, Pa. | Cars, railroad | Nov. 10 |
| Walker, Dean | Gunpowder, Md. | Wheels for cars, drilling and boring | Dec. 28 |

LIST OF PATENTS--NAVIGATION.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTERS. | RESIDENCE. | WHEN ISSUED. |
|--|--|---------------------|--------------|
| | | | 1832. |
| Binnacle lamps | Wm. Lawrence | Meriden, Conn. | Nov. 14 |
| Boats and other vessels, constructing | Albert Dorman | Norfolk, Va. | Oct. 25 |
| Docks, dry | David Brown | New York | Feb. 11 |
| Do floating screw | Stephen F. Stinchfield | New Orleans, La. | April 27 |
| Ice, steamboat | Robert Irvine | Baltimore, Md | Jan. 12 |
| Plugs for ships, cutting, by a centre point spring bit | Daniel Flint | Nobleborough, Maine | April 19 |
| Propelling steamboats and other vessels | John Sheffield and Jo- nas Ingraham | Erie co., N. Y. | May 17 |
| Do boats | Jarvis Ring | Ogden, N. Y. | Oct. 25 |
| Railway, marine | Leonard White | Norfolk, Va. | Nov. 15 |
| Steering ships, &c. | Elijah Soule | Duxbury, Mass. | Nov. 3 |
| Truss for vessels | Jonathan T. Quimby | Belfast, Maine | Jan. 30 |
| Ventilating vessels, and purifying the air in them | Jesse Remington | Baltimore, Md. | March 1 |
| Water, saving, in passing boats through canal locks | Jac. Dewees | Pottsville, Pa. | Dec. 31 |
| Winch and gin for loading vessels | Ebenezer Allen | New York | Feb. 29 |

LIST OF PATENTS—NAVIGATION.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|--|---------------------|--|--------------|
| | | | 1832. |
| Allen, Ebenezer | New York | Winch and gin for loading vessels | Feb. 29 |
| Brown, David | Do | Docks, dry | Do 11 |
| Dorman, Albert | Norfolk, Va. | Boats and other vessels, constructing | Oct. 25 |
| Deweese, Jac. | Pottsville, Penn. | Water, saving, in passing boats through canal locks | Dec. 31 |
| Flint, Daniel | Nobleborough, Maine | Plugs for ships, cutting, by a centre point spring-bit | April 19 |
| Irvine, Robert | Baltimore, Md. | Ice, steamboat | Jan. 12 |
| Lawrence, William | Meriden, Conn. | Binnacle lamps | Nov. 14 |
| Quimby, Jonathan T. | Belfast, Maine | Truss for vessels | Jan. 30 |
| Ring, Jarvis | Ogden, N. Y. | Propelling boats | Oct. 25 |
| Remington, Jesse | Baltimore, Md. | Ventilating vessels, and purifying the air in them | March 1 |
| Stinchfield, Stephen F. | New Orleans, La. | Docks, floating screw | April 27 |
| Sheffield, John, and Jo- nas Ingraham | Erie co., N. Y. | Propelling steamboats and other vessels | May 17 |
| Soule, Elijah | Duxbury, Mass. | Steering vessels | Nov. 3 |
| White, Leonard | Norfolk, Va. | Railway, marine | Do 15 |

LIST OF PATENTS—CALORIFIC AND STEAM APPARATUS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|--------------------------------------|------------------------|--------------|
| 1892. | | | |
| Alcohol, used in stiffening hats, method of extracting by the process of distillation - - - - - | Wm. McCay - | Northumberland, Pa. | June 22 |
| Baker, reflecting tin - - - - - | Wm. Prescott - | Boston, Mass. - | May 24 |
| Do and roaster, double reflecting - - - - - | Samuel Hasey - | Rensselaerville, N. Y. | Dec. 28 |
| Bath, steam, applying simple or medicated - - - - - | Boyd Reilley - | Philadelphia, Pa. - | July 31 |
| Do cot elastic - - - - - | W. C. Palmer, M. D. - | New York - | Nov. 24 |
| Beer or ale, restoring sour or musty, to its original purity by re-brewing - - - - - | Moses Granger - | Lowville, N. Y. - | Jan. 11 |
| Beer, spruce, manufacturing - - - - - | Geo. Jones - | Boston, Mass. - | Do 27 |
| Boilers, mode of supplying with water - - - - - | Jesse Fox - | Lowel, Mass. - | Mar. 14 |
| Chimneys, preventing smokey, and extinguishing fire in them - | Jer. Sullivan - | Washington, D. C. - | April 27 |
| Cooking apparatus - - - - - | Samuel D. Day and Wm. T. Day - | Westfield, Mass. - | June 8 |
| Do do - - - - - | James Bennett - | Brutus, N. Y. - | July 25 |
| Distilling - - - - - | Jacob Miller - | Lancaster, Pa. - | Feb. 16 |
| Do - - - - - | Lewis Johnston - | Easton, Pa. - | Nov. 9 |
| Fire-places, building and altering, for burning coal - - - - - | Artemas Terrell - | Boston, Mass. - | Oct. 25 |
| Do fenders, shaping - - - - - | Thomas Thomas and Robert Fuller - | New York - | Nov. 19 |
| Forge backs, and for other fires, where a blast is required - | Philo C. Curtis - | Utica, N. Y. - | March 27 |
| Do do for fires requiring a blast - - - - - | Asa Graham - | Hamilton, N. Y. - | Dec. 15 |
| Furnace blast, for smelting iron ore - - - - - | Thomas Gregg - | Connellsville, Pa. - | May 22 |
| Do hot air, and bake-oven, and heating rooms - - - - - | Jacob Stahl - | Baltimore, Md. - | Do 29 |
| Gas lamp - - - - - | Solomon Andrews - | Perth Amboy, N. J. | May 10 |
| Grate, common fire - - - - - | James Atwater - | New Haven, Conn. - | Oct. 25 |

Heat, evolution and management, *being the original improvements for rendering combustion more uniform and more intense by the uniform supply of coal and air which have been previously heated, and also of applying the heat evolved by said elements*, (date of patent March 26, 1828) - - - - -

Heat, evolution and management, *being the original rotary grate and floor for burning anthracite coal*, (date of patent March 23, 1826) - - - - -

Heat, abstracting, from smoke by basket grates - - - - -

Heating carriages, &c. - - - - -

Lamps, for burning compound spirits or oil - - - - -

Do do do tallow, lard, bees wax, &c. - - - - -

Lightning, protecting vessels from it, in or out of port - - - - -

Lime kiln for atrhacite coal - - - - -

Oven, tin bake - - - - -

Packing for steam engines - - - - -

Salt, manufacturing - - - - -

Smoke ventilator - - - - -

Steam, generating and applying high - - - - -

Do increasing the power of - - - - -

Do and power engine - - - - -

Do engine and its operation - - - - -

Do do rotary - - - - -

Do applying, to machinery - - - - -

Do engine rotary - - - - -

Stove, cooking, and fire place - - - - -

Do do - - - - -

Do anthracite coal - - - - -

Do coal cooking - - - - -

Do and furnace for coal - - - - -

Do portable cooking - - - - -

| | | | | | |
|---------------------|---|---------------------|---|-------|----|
| Eliphalet Nott | - | Schenectady, N. Y. | - | Sept. | 17 |
| Do do | - | Do do | - | Sept. | 17 |
| Daniel Steinhauer | - | Philadelphia, Pa. | - | Dec. | 13 |
| Alex'r McWilliams | - | Washington, D. C. | - | Nov. | 29 |
| Wm. Magee | - | New York | - | June | 27 |
| Norman Rublee | - | Montpelier, Vt. | - | Dec. | 4 |
| Elisha L. Keen | - | New York | - | June | 27 |
| Samuel Griscom | - | Reading, Pa. | - | Do | 26 |
| Wm. Lewis | - | Franklin, N. Y. | - | Jan. | 6 |
| William V. Grinnel | - | Middletown, Conn. | - | April | 5 |
| Calvin Guiteau | - | Geddes, N. Y. | - | Oct. | 25 |
| Silas Smith | - | Hamilton, Ohio | - | Mar. | 17 |
| Benjamin Phillips | - | Philadelphia, Pa. | - | Jan. | 31 |
| N. P. Goodell | - | Kirtland, Ohio | - | June | 23 |
| Stacy Costill | - | Philadelphia, Pa. | - | Feb. | 20 |
| La Fayette Tibbitts | - | New Glasgow, Va. | - | June | 22 |
| Luther Carman | - | Oxford, Maine | - | July | 16 |
| Seth Boyden | - | Newark, N. J. | - | Oct. | 31 |
| William Jones | - | Bradford, Vt. | - | Nov | 10 |
| Edward Potter | - | Providence, R. I. | - | May | 8 |
| Horace Bartlett | - | Bridgeport, Conn. | - | Do | 12 |
| Jordan L. Mott | - | New York | - | Do | 30 |
| David Gassner | - | Do | - | July | 11 |
| Ephraim Baldwin | - | Gibbonsville, N. Y. | - | Do | 19 |
| Stephen J. Gold | - | Cornwall, Conn. | - | Aug. | 29 |

LIST OF PATENTS—CALORIFIC AND STEAM APPARATUS—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|---------------------|----------------------|--------------|
| | | | 1832. |
| Stove, anthracite coal, adapted to open fire places | Eliphalet Nott | Schenectady, N. Y. | Oct. 25 |
| Do | Nathan Parish | Mendon, N. Y. | Nov. 2 |
| Do cooking | Henry Stanley | Poultney, Vt. | Dec. 17 |
| Do do | Henry A. Foot | Dover, N. H. | Dec. 7 |
| Do and chimneys, building | Asa Graham | Rumford, Maine | Dec. 23 |
| Tin kitchen | George Richardson | South Reading, Mass. | June 14 |
| Valve, of the vibratory steam engine | Thomas Holloway | Philadelphia, Pa. | Jan. 20 |
| Do sliding for steam engine | Do do | Do do | Do 20 |
| Do wing gudgeon for engine | Do do | Do de | Do 20 |
| Do piston safety | John C. Douglas | New York | Do 30 |
| Do face plate | Stacy Costill | Philadelphia, Pa. | April 13 |
| Warming rooms, and management of heat | Robert B. Varden | Baltimore, Md. | Feb. 6 |
| Wine, making, from cider | Jacob Hugus | Hempfield, Pa. | Dec. 1 |

LIST OF PATENTS—CALORIFIC AND STEAM APPARATUS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---|-----------------------|--|--------------|
| | | | 1832. |
| Andrews, Solomon - | Perth Amboy, N. J. | Gas lamp - - - - - | May 10 |
| Atwater, James - | New Haven, Conn. - | Grate, common fire - - - - - | Oct. 25 |
| Bennet, James - | Brutus, N. Y. - | Cooking apparatus - - - - - | July 25 |
| Boyden, Seth - | Newark, N. J. - | Steam, applying, to machinery - - - - - | Oct. 31 |
| Bartlett, Horace - | Bridgeport, Conn. - | Stove, cooking - - - - - | May 12 |
| Baldwin, Ephraim - | Gibbonsville, N. Y. - | Stove and furnace for coal - - - - - | July 19 |
| Curtis, Philo C. - | Utica, N. Y. - | Forge backs, and for other fires where a blast is required - - - - - | March 27 |
| Costili, Stacy - | Philadelphia, Pa. - | Steam and power engine - - - - - | Feb. 20 |
| Do - | Do do - | Valve, face plate - - - - - | April 13 |
| Carman, Luther - | Oxford, Maine - | Steam engine, rotary - - - - - | July 16 |
| Day, Samuel D., and William T. Day - | Westfield, Mass. - | Cooking apparatus - - - - - | June 8 |
| Douglas, John C. - | New York - | Valve, piston safety - - - - - | Jan. 30 |
| Fox, Jesse - | Lowell, Mass. - | Boilers, mode of supplying with water - - - - - | Mar. 14 |
| Foot, Henry A. - | Dover, N. H. - | Stove, cooking - - - - - | Dec. 7 |
| Granger, Moses - | Lowville, N. Y. - | Beer or ale, restoring sour or musty, to its original purity by re- brewing - - - - - | Jan. 11 |
| Graham, Asa - | Hamilton, N. Y. - | Forge backs, for fires requiring a blast - - - - - | Dec. 15 |
| Gregg, Thomas - | Connellsville, Pa. - | Furnace blast, for smelting iron ore - - - - - | May 22 |
| Griscom, Samuel - | Reading, Pa. - | Lime kiln for anthracite coal - - - - - | June 26 |
| Grinnel, Wm. V. - | Middletown, Conn. - | Packing for steam engines - - - - - | April 5 |
| Guiteau, Calvin - | Geddes, N. Y. - | Salt, manufacturing - - - - - | Oct. 25 |
| Goodell, N. P. - | Kirtland, Ohio - | Steam, increasing the power of - - - - - | June 23 |
| Gassner, David - | New York - | Stove, coal cooking - - - - - | July 11 |
| Gold, Stephen J. - | Cornwall, Conn. - | Do portable cooking - - - - - | Aug. 29 |

LIST OF PATENTS—CALORIFIC AND STEAM APPARATUS—Continued.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|-----------------------|------------------------|---|--------------|
| | | | 1832. |
| Graham, Asa | Rumford, Maine | Stoves and chimneys, building | Dec. 28 |
| Hasey, Samuel | Rensselaerville, N. Y. | Baker and roaster, double reflecting | Dec. 28 |
| Holloway, Thomas | Philadelphia, Pa. | Valve of the vibratory steam engine | Jan. 20 |
| Do do | Do do | Do sliding for steam engine | Do 20 |
| Do do | Do do | Do wing gudgeon for | Do 20 |
| Hugus, Jacob | Hempfield, Pa. | Wine, making, from cider | Dec. 1 |
| Jones, George | Boston, Mass. | Beer, spruce, manufacturing | Jan. 27 |
| Johnston, Lewis | Easton, Pa. | Distilling | Nov. 9 |
| Jones, William | Bradford, Vt. | Steam engine, rotary | Do 10 |
| Keen, Elisha L. | New York | Lightning, protecting vessels from it in or out of port | June 27 |
| Lewis, William | Franklin, N. Y. | Oven, tin bake | Jan. 6 |
| McCay, William | Northumberland, Pa. | Alcohol, used in stiffening hats, method of extracting by the process by distillation | June 22 |
| Miller, Jacob | Lancaster, Pa. | Distilling | Feb. 16 |
| Magee, William | New York | Lamps for burning compound spirits of oil | June 27 |
| Mott, Jordon L. | Do | Stove, anthracite coal | May 30 |
| McWilliams, Alexander | Washington, D. C. | Heating carriages, &c. | Nov. 29 |
| Nott, Eliphalet | Schenectady, N. Y. | Heat, evolution and management, <i>being the original improvement for rendering combustion more uniform and more intense by the uniform supply of coal and air which have been previously heated, and also of applying the heat evolved by said elements, (date of patent March 26, 1828)</i> | Sept. 17 |
| Do do | Do do | Heat, evolution and management, <i>being the original rotary grate and floor for burning anthracite coal, (date of patent March 23, 1826)</i> | Sept. 17 |

| | | | | | | | | | |
|--------------------------------------|---|----------------------|---|---|---|---|---|-------|----|
| Nott, Eliphalet | - | Schenectady, N. Y. | - | Stove, anthracite coal, adapted to open fire-places | - | - | - | Oct. | 25 |
| Prescott, William | - | Boston, Mass. | - | Baker, reflecting tin | - | - | - | May | 24 |
| Phillips, Benjamin | - | Philadelphia, Pa. | - | Steam, generating and applying high | - | - | - | Jan. | 31 |
| Potter, Edward | - | Providence, R. I. | - | Stove, cooking, and fire-place | - | - | - | May | 8 |
| Parish, Nathan | - | Mendon, N. Y. | - | Do | - | - | - | Nov. | 2 |
| Palmer, Walter C., M. D. | - | New York | - | Bath cot | - | - | - | Do | 24 |
| Reilley, Boyd | - | Philadelphia, Pa. | - | Bath, steam, applying simple or medicated | - | - | - | July | 31 |
| Rublee, Norman | - | Montpelier, Vt. | - | Lamps for burning tallow, lard, bees-wax, &c. | - | - | - | Dec. | 4 |
| Richardson, George | - | South Reading, Mass. | - | Tin kitchen | - | - | - | June | 14 |
| Sullivan, Jeremiah | - | Washington, D. C. | - | Chimneys, preventing smokey, and extinguishing fire in them | - | - | - | April | 27 |
| Stahl, Jacob | - | Baltimore, Md. | - | Furnace, hot air, and bake-oven, and heating rooms | - | - | - | May | 29 |
| Steinhaner, Daniel | - | Philadephia, Pa. | - | Heat, abstracting, from smoke by basket grates | - | - | - | Dec. | 13 |
| Smith, Silas | - | Hamilton, Ohio | - | Smoke ventilator | - | - | - | March | 17 |
| Stanley, Henry | - | Poultney, Vt. | - | Stove, cooking | - | - | - | Dec. | 17 |
| Tirrell, Artemas | - | Boston, Mass. | - | Fire-places, building and altering, for burning coal | - | - | - | Oct. | 25 |
| Thomas, Thomas, and Robert Fuller | - | New York | - | Do fenders, shaping | - | - | - | Nov. | 19 |
| Tibbitts, La Fayette | - | New Glasgow, Va. | - | Steam engine and its operation | - | - | - | June | 22 |
| Varden, Robert B. | - | Baltimore, Md. | - | Warming rooms, and management of heat | - | - | - | Feb. | 6 |

LIST OF PATENTS—HYDRAULICS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|--------------------------------------|---------------------|--------------|
| | | | 1832. |
| Cock, to prevent water freezing in pent stocks, &c. | Dixwell Lathrop, jr. | Norwich, Conn. | Dec. 5 |
| Faucet, spring lever | Charles Goodyear | Philadelphia, Pa. | Mar. 16 |
| Gate purchase, labor saving rotary | Joseph Musser and Levi B. Gitchel | Canton, Ohio | Feb. 11 |
| Pump, spring or drop valve | Eli Kendall | Ashbury, Mass. | June 22 |
| Do spiral | Cotton Foss | Perry, Ohio | Aug. 4 |
| Do | Moses Buchlin | Grafton, N. H. | Oct. 25 |
| Raising water by steam engine | David Colver | Deer creek, Ohio | June 6 |
| Do do | Levi Disbrow and John L. Sullivan | New York | Aug. 28 |
| Do do | Philip Tusing | Brock's Gap, Va. | Nov. 7 |
| Spigot or cock | Jacob Bright | Sunbury, Pa. | June 22 |
| Ventilator, or machine for pumping air | George Harley and John Sedgwick | Philadelphia, Pa. | June 1 |
| Water, mode of supplying houses | William Bryant | Davidson co., Tenn. | Oct. 25 |

LIST OF PATENTS—HYDRAULICS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|--|----------------------|---|--------------|
| | | | 1832. |
| Buchlin, Moses - | Grafton, N. H. - | Pump - - - - - | Oct. 25 |
| Bright, Jacob - | Sunbury, Pa. - | Spigot or cock - - - - - | June 22 |
| Bryant, William - | Davidson co., Ten. - | Water, mode of supplying houses - - - - - | Oct. 25 |
| Colver, David - | Deer creek, Ohio - | Raising water by steam engine - - - - - | June 6 |
| Disbrow, Levi, and John L. Sullivan - | New York - - - - - | Do do - - - - - | Aug. 28 |
| Foss, Cotton - | Perry, Ohio - | Pump spiral - - - - - | Do 4 |
| Goodyear, Charles - | Philadelphia, Pa. - | Faucet, spring lever - - - - - | March 16 |
| Harley, George, and John Sedgwick - | Philadelphia, Pa. - | Ventilator or machine for pumping air - - - - - | June 1 |
| Kendall, Eli - | Ashbury, Mass. - | Pump, spring or drop valve - - - - - | June 22 |
| Lathrop, jr., Dixwell - | Norwich; Conn. - | Cock, to prevent water freezing in pent stocks, &c. - - - - - | Dec. 5 |
| Musser, Joseph, and Levi B. Gitchell - | Canton, Ohio - | Gate purchase, labor saving rotary - - - - - | Feb. 11 |
| Tusing, Philip - | Brock's Gap, Va. - | Raising water - - - - - | Nov. 7 |

LIST OF PATENTS—WHEEL CARRIAGES.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|---------------------|-----------------------|--------------|
| | | | 1832. |
| Axle-tree, reduced friction roller - - - - | Francis Rees - | Clarksville, Ga. - | April 14 |
| Boxes and hubs, and hanging coach bodies - - - - | David Watson - | Fayette, Mass. - | May 29 |
| Do setting in wheels - - - - | Josiah Chaney - | Chesterville, Maine - | Oct. 25 |
| Carriage, safety, or mode of disengaging horses therefrom - - - - | Robert Beale - | Washington, D. C. - | May 12 |
| Coaches, barouches, &c. - - - - | Robert Gedney - | New York - | April 7 |
| Hubs, cutting, and boring the ends to let in boxes, - - - - | John B. Francis - | Loudon co., Va. - | March 2 |
| Do cast iron, constructing - - - - | John Thurston - | Providence, R. I. - | Dec. 3 |
| Tenons for spokes, machine for cutting - - - - | James Smith - | Fayette, Maine - | June 7 |

WHEEL CARRIAGES.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---------------------|-----------------------|---|--------------|
| | | | 1832. |
| Beale, Robert - | Washington, D. C. - | Carriage, safety, or mode of disengaging horses therefrom - | May 12 |
| Chaney, Josiah - | Chesterville, Maine - | Boxes, setting in wheels - - - - | Oct. 25 |
| Francis, John B. - | Loudon co., Va. - | Hubs, cutting, and boring the ends to let in boxes - | March 2 |
| Gedney, Robert - | New York - | Coaches, barouches, &c. - - - - | April 7 |
| Rees, Francis - | Clarksville, Ga. - | Axle-tree, reduced friction roller - - - - | April 14 |
| Smith, James - | Fayette, Maine - | Tenons for spokes, machine for cutting - - - - | June 7 |
| Thurston, John - | Providence, R. I. - | Hubs, cast iron, constructing - - - - | Dec. 3 |
| Watson, David - | Fayette, Mass. - | Boxes and hubs, and hanging coach bodies - - - - | May 29 |

LIST OF PATENTS—ARMS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|---------------------------------------|---------------------|--------------|
| | | | 1832. |
| Fire-arms - - - - - | Joseph W. Plummer and John Clark - | Wayne township, O. | May 17 |
| Do - - - - - | James B. Porter - | Girard, Pa. - | Aug. 4 |
| Do loading and discharging - - - - - | Philip A. Morineau - | Philadelphia, Pa. - | Oct. 10 |
| Gun stocks, sawing - - - - - | Abraham Myers - | Boonsborough, Md. - | Nov. 9 |
| Lock, percussion - - - - - | Irsael B. Richardson - | Palmyra, N. Y. - | Feb. 17 |
| Do do - - - - - | Francis Dowler - | Wayne township, O. | April 9 |
| Do do - - - - - | David G. Colburn - | Port Byron, N. Y. - | Oct. 25 |
| Do compression cannon - - - - - | Joshua Shaw - | Philadelphia, Pa. - | Dec. 3 |
| Do portable cannon - - - - - | Do - | Do do - | Do 3 |
| Primers, percussion, for cannon - - - - - | Do - | Do do - | Do 3 |
| Rifles, cane - - - - - | Roger N. Lambert - | Upton, Mass. - | Feb. 27 |
| Do manufacturing - - - - - | Joseph W. Plummer and John Clark - | Wayne township, O. | May 17 |
| Shell and shot, elongated spiral flanged - - - - - | William B. Pier and Andrew Mack - | Detroit, M. T. - | April 6 |

LIST OF PATENTS—ARMS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---|----------------------|--|--------------|
| | | | 1832. |
| Colburn, David G. - | Port Byron, N. Y. - | Lock, percussion - - - - - | Oct. 25 |
| Dowler, Francis - | Wayne township, O. - | Do do - - - - - | April 9 |
| Lambert, Roger N. - | Upton, Mass - | Rifles, cane - - - - - | Feb. 27 |
| Morineau, Philip A. - | Phaladelphia, Pa. - | Fire-arms, loading and discharging - - - - - | Oct. 10 |
| Myers, Abraham - | Boonsborough, Md. - | Gun stocks, sawing - - - - - | Nov. 9 |
| Plummer, Joseph W., and John Clark - | Wayne township, O. - | Fire-arms - - - - - | May 17 |
| Porter, James B. - | Girard, Pa. - | Do - - - - - | Aug. 4 |
| Plummer, Joseph W., and John Clark - | Wayne township, O - | Rifles, manufacturing - - - - - | May 17 |
| Pier, William B., and Andrew Mack - | Detroit, M. T. - | Shell and shot, elongated, spiral, flanged - - - - - | April 6 |
| Richardson, Israel B. - | Palmyra, N. Y. - | Lock, percussion - - - - - | Feb. 17 |
| Shaw, Joshua - | Philadelphia, Pa. - | Lock, compression cannon - - - - - | Dec. 3 |
| Do - | Do do - | Do portable cannon - - - - - | Do 3 |
| Do - | Do do - | Primers, percussion for cannon - - - - - | Do 3 |

LIST OF PATENTS—SCREW AND LEVER POWER.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|---|----------------------|--------------|
| | | | 1832. |
| Balance, compound lever - - - - - | Jared B. Whetmore | Rush, N. Y. - | Feb. 27 |
| Do steelyard - - - - - | Erastus Fairbanks and Thaddeus Fairbanks | St. Johnsbury, Vt. - | Sept. 22 |
| Brick press - - - - - | David M. Crillis | Sandwich, N. H. - | Aug. 11 |
| Cheese, cider, &c., pressing - - - - - | John Holmes | Paris, Maine - | Feb. 6 |
| Do press - - - - - | Benjamin Hinkley | Fayette, Maine - | Oct. 25 |
| Comb press, fluting and bending - - - - - | Reuben Munson | New York - | May 22 |
| Cotton press - - - - - | David Philips | Natchez, Miss. - | April 27 |
| Flour, machine for pressing - - - - - | Sylvanus Hathaway | Massillon, Ohio - | Feb. 13 |
| Oil press, double hydrostatic - - - - - | Orestes Badger and Orrin Lull | Otsego, N. Y. - | Aug. 9 |
| Press, rotary toggle-joint - - - - - | Thomas W. Harvey | Jamestown, N. Y. - | April 27 |
| Do printing, Faustus - - - - - | Seth Adams | Boston, Mass. - | May 23 |
| Do standing or Boston - - - - - | Aaron Hale | Do - | June 26 |
| Do wedge, for pressing cloth, paper, books, spermaceti, &c., or raising ponderous bodies; as the extraction of stumps - - - - - | Oliver Perkins | Oxford, Maine - | Aug. 30 |
| Pressing opium from the poppy plant - - - - - | Lucius Cook | Shrewsbury, N. J. - | April 20 |
| Do straw, leghorn, &c., bonnets, hats, &c. - - - - - | Otis Plimpton | Foxborough, Mass. - | Dec. 28 |
| Printing machinery - - - - - | John Hatch | Boston, Mass. - | Mar. 21 |
| Tobacco press - - - - - | George Booker | Richmond, Va. - | Feb. 8 |
| Weighing heavy bodies - - - - - | Thaddeus Fairbanks and Erastus Fairbanks | St. Johnsbury, Vt. - | Feb. 21 |

LIST OF PATENTS—SCREW AND LEVER POWER.

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| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---|----------------------|---|--------------|
| | | | 1832. |
| Adams, Seth - | Boston, Mass. - | Press, printing, Faustus - - - - - | May 23 |
| Badger, Orestes, and Orrin Lull - | Otsego, N. Y. - | Oil press, double hydrostatic - - - - - | Aug. 9 |
| Booker, George - | Richmond, Va. - | Tobacco press - - - - - | Feb. 8 |
| Crillis, David M. - | Sandwich, N. H. - | Brick press - - - - - | Aug. 11 |
| Cooke, Lucius - | Shrewsbury, N. J. - | Pressing opium from the poppy plant - - - - - | April 20 |
| Fairbanks, Erastus, and Thaddeus Fairbanks | St. Johnsbury, Vt. - | Balance steelyard - - - - - | Sept. 22 |
| Do do | Do do - | Weighing heavy bodies - - - - - | Feb. 21 |
| Holmes, John - | Paris, Maine - | Cheese, cider, &c., pressing - - - - - | Do 6 |
| Hinkley, Benjamin - | Fayette, Maine - | Do press - - - - - | Oct. 25 |
| Hathaway, Sylvanus - | Massillon, Ohio - | Flour, machine for pressing - - - - - | Feb. 13 |
| Harvey, Thomas W. - | Jamestown, N. Y. - | Press, rotary toggle joint - - - - - | April 27 |
| Hale, Aaron - | Boston, Mass. - | Press, standing or Boston - - - - - | June 26 |
| Hatch, John - | Do do - | Printing machinery - - - - - | March 21 |
| Munson, Reuben - | New York - | Comb press, fluting and bending - - - - - | May 22 |
| Phillips, David - | Natchez, Miss. - | Cotton press - - - - - | April 27 |
| Perkins, Oliver - | Oxford, Maine - | Press, wedge, for pressing cloth, paper, books, spermaceti, &c. or raising ponderous bodies, as the extraction of stumps - - - - - | Aug. 30 |
| Plimpton, Otis - | Foxborough, Mass. - | Pressing straw, leghorn, &c., bonnets, hats, &c. - - - - - | Dec. 28 |
| Whetmore, Jared B. - | Rush, N. Y. - | Balance, compound lever - - - - - | Feb. 27 |

LIST OF PATENTS—MILLS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|---|-----------------------|--------------|
| | | | 1832. |
| Bark mill - - - - - | James T. Gifford - | Veteran, N. Y. - | Feb. 27 |
| Do - - - - - | Daniel Humberd and George Downs - | McConelstown, Pa. - | March 27 |
| Block, head, for saw-mill - - - - - | John Sinclair - | Richland, Ohio - | Feb. 28 |
| Coffee and spice mill - - - - - | Edmund Parker and Herman White - | Meriden, Ct. - | June 22 |
| Do mill, double - - - - - | Thomas H. Witherby and Joseph Torrey - | Millbury, Mass. - | July 17 |
| Do and spice mill - - - - - | Ammi Clark - | Berlin, Conn. - | Do 20 |
| Friction wheels or rollers for machinery - - - - - | James D. Cobb - | Lebanon, Ohio - | June 22 |
| Grinding, scouring, and hulling, grain - - - - - | David Parmelee and Jonathan Mooers - | New Troy, Pa. - | June 12 |
| Grist-mill - - - - - | Gideon Hotchkiss - | Windsor N. Y. - | Jan. 27 |
| Do - - - - - | Amos Barnes - | Colesville, N. Y. - | April 27 |
| Do - - - - - | Oliver N. May - | Hancock, N. Y. - | May 5 |
| Do - - - - - | Asahel Bacon - | Windsor, N. Y. - | June 4 |
| Do gate pressure - - - - - | Seaver Prentiss - | New York - | June 4 |
| Do - - - - - | Joseph C. Gentry - | Philadelphia, Pa. - | July 14 |
| Horse power, portable - - - - - | James H. Corey - | Bethel township, O. - | Feb. 27 |
| Do and accelerating machine - - - - - | Richard S. Schevenell - | Orangeburg, S. C. - | Nov. 13 |
| Do portable - - - - - | David Flagg, jr. - | New York - | Dec. 28 |
| Mill, universal, for grinding paint, grain, &c. - - - - - | James Bogardus - | New York - | Jan. 18 |
| Do for grinding paint, dye-stuffs, &c. - - - - - | William G. Johnson - | Philadelphia, Pa. - | May 3 |
| Paints, indigo, &c., machine for grinding - - - - - | Oliver C. Harris - | Waterville, N. Y. - | March 15 |

LIST OF PATENTS—MILLS—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|--|-------------------------|--------------|
| | | | 1832. |
| Propelling mills, boats, &c., lever power machinery - - | William Rhodes - | Trenton, Tenn. - | April 27 |
| Do do do land vehicles, &c., by wind - - | Benjamin Dugdale - | Trenton, N. J. - | May 3 |
| Do machinery by horse power - - - - | Tim'y Showerman - | Covington, N. Y. - | June 27 |
| Saw-mill - - - - - | Vachel Blaylock - | Bellefontaine, Ohio - | Mar. 24 |
| Do - - - - - | John R. Drake - | Owego, N. Y. - | April 27 |
| Do - - - - - | Levi Chapin - | Walpole, N. H. - | June 1 |
| Do circular railway and propelling machinery - - | Allen B. Reynolds - | Cincinnati, Ohio - | June 29 |
| Do circular saws for cutting laths, &c. - - | Francis Shumard - | Do - - - - - | Oct. 31 |
| Do - - - - - | David W. Hall - | Sparta, Ga. - | Nov. 27 |
| Smut-mill - - - - - | Stephen Fellows - | Sandwich, N. H. - | May 24 |
| Stones for grist-mills - - - - - | David Stern - | Vanderburgh co., Ind. - | Jan. 5 |
| Do dressing - - - - - | John Keefer - | Williamsport, Pa. - | Jan. 13 |
| Do bed - - - - - | William Bennet - | Chesterville, Maine - | Oct 25 |
| Do annular - - - - - | John Morley - | New York - - - - | Nov. 28 |
| Tide or current mill, propelled by a suspended water wheel and head blocks - - - - - | James Bennet - | Vigo co., Ind. - | Aug. 10 |
| Water, letting on horizontal wheels - - - - - | Asahel Bacon - | Windsor, N. Y. - | June 4 |
| Do wheel - - - - - | John Moffit - | Richmond, Ohio - | April 27 |
| Do do. horizontal - - - - - | Shelden Stoddard - | Jackson township, Pa. - | May 28 |
| Do do do current and inclined race wheel - - | John Nuckolls and Soloman P. Wheeler - | Bolivar, Tenn. - | June 22 |
| Do do inclined - - - - - | Cotton Foss - | Perry, Ohio - - - | Aug. 4 |
| Do do and saw mill - - - - - | Charles Forse - | Boonville, Miss. - | Aug. 24 |
| Do do chain paddle for mills, boats, &c. - - | Davidson Myers - | Benton, Missouri - | Sept. 4 |

| | | | | | | | | | | | | |
|-------------------------------------|----|--|---|---|---|---|---|---|-----------------------|---|-------|----|
| Do | do | re-acting | - | - | - | - | - | George W. Henderson and Joseph Russell | Millburn, Maine | - | Sept. | 22 |
| Do | do | with folding ladle boards | - | - | - | - | - | Thomas Winslow | Jay, Maine | - | Oct. | 25 |
| Do | do | re-action | - | - | - | - | - | Gideon Hotchkiss | Windsor, N. Y. | - | Nov. | 6 |
| Do | do | | - | - | - | - | - | James McConnel | Shenango, Pa. | - | Dec. | 13 |
| Do | do | co-action with a box or cylinder to turn in | - | - | - | - | - | Sandford Reynolds | Pitcher, N. Y. | - | Dec. | 15 |
| Do | | power multiplied by applying water to a number of wheels | - | - | - | - | - | | | | | |
| | | in succession | - | - | - | - | - | Henry Crenshaw | Anderson dis't, S. C. | - | | 28 |
| Wind and water wheel | | | - | - | - | - | - | Adkins Nash | Addison, Maine | - | April | 27 |
| Do mill, self-regulating horizontal | | | - | - | - | - | - | Jeremiah L. Colman | Vincennes, Indiana | - | May | 4 |

MILLS.

| NAMES OF PATENTEES. | | RESIDENCE. | INVENTIONS OR DISCOVERIES. | | | | | | WHEN ISSUED. | |
|---------------------|---|---------------------|----------------------------|--|---|---|---|---|--------------|----|
| | | | | | | | | | 1832. | |
| Barnes, Amos | - | Colesville, N. Y. | - | Grist-mill | - | - | - | - | April | 27 |
| Bacon, Asahel | - | Windsor, N. Y. | - | Do | - | - | - | - | June | 4 |
| Bogardus, James | - | New York | - | Mill, universal, for grinding paint, grain, &c. | - | - | - | - | Jan. | 18 |
| Blaylock, Vachel | - | Bellefontaine, Ohio | - | Saw mill | - | - | - | - | Mar. | 24 |
| Bennet, William | - | Chesterville, Maine | - | Stones, bed | - | - | - | - | Oct. | 25 |
| Bennet, James | - | Vigo co, Indiana | - | Tide or current mill, propelled by a suspended water-wheel and head blocks | - | - | - | - | Aug. | 10 |
| Bacon, Asahel | - | Windsor, N. Y. | - | Water, letting, on horizontal wheels | - | - | - | - | June | 4 |
| Clark, Ammi | - | Berlin, Conn. | - | Coffee and spice mill | - | - | - | - | July | 20 |
| Cobb, James D. | - | Lebanon, Ohio | - | Friction wheels or rollers for machinery | - | - | - | - | June | 22 |
| Corey, James H. | - | Bethel township, O. | - | Horse power, portable | - | - | - | - | Feb. | 27 |
| Chapin, Levi | - | Walpole, N. H. | - | Saw-mill | - | - | - | - | June | 1 |

LIST OF PATENTS—MILLS—Continued.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---|-----------------------|--|--------------|
| | | | 1832 |
| Crenshaw, Henry - | Anderson dis't, S. C. | Water power multiplied by applying water to a number of wheels in succession | Dec. 28 |
| Colman, Jeremiah L. | Vincennes, Indiana - | Wind-mill, self-regulating horizontal | May 4 |
| Dugdale, Benjamin - | Trent , N. J. - | Propelling mills, boats, &c., land vehicles, &c., by wind | Do 3 |
| Drake, John R. - | Owego, N. Y. - | Saw-mill | April 27 |
| Flagg, jr., David - | New York - | Horse power, portable | Dec. 28 |
| Fellows, Stephen - | Sandwich, N. H. - | Smut-mill | May 24 |
| Foss, Cotton - | Perry, Ohio - | Water-wheel, inclined | Aug. 4 |
| Forse, Charles - | Boonville, Miss. - | Do do and saw-mill | Do 24 |
| Gifford, James T. - | Veteran, N. Y. - | Bark-mill | Feb. 27 |
| Gentry, Joseph C. - | Philadelphia, Pa. - | Grist-mill | July 14 |
| Harris, Oliver C. - | Waterville, N. Y. - | Paints, indigo, &c., machine for grinding | March 15 |
| Hall, David W. - | Sparta, Ga. - | Saw-mill | Nov. 27 |
| Henderson, George W., and Joseph Russell - | Millburn, Maine - | Water wheel, re-acting | Sept. 22 |
| Hotchkiss, /Aideon - | Windsor, N. Y. - | Grist-mill | Jan. 27 |
| Do do - | Do do - | Water wheel, re-acting | Oct. 25 |
| Humberd, Daniel, and George Downs - | McConelstown, Pa. - | Bark mill | March 27 |
| Johnston, William G. - | Philadelphia, Pa. - | Mill, universal, for grinding paint, dye-stuffs, &c. | May 3 |
| Keefer, John - | Williamsport, Pa. - | Stones, dressing | Jan. 13 |
| May, Oliver N. - | Hancock, N. Y. - | Grist-mill | May 5 |
| Morley, John - | New York - | Stones, annular | Nov. 28 |
| Myers, Davidson - | Benton, Missouri - | Water wheel, chain paddle for mills, boats, &c. | Sept. 4 |
| McConnel, James - | Shenango, Pa. - | Do do | Dec. 13 |

| | | | | | | | | | | | |
|---|---|-----------------------|---|--|----------------------------------|------------|---|---|---|-------|----|
| Moffit, John | - | Richmond, Ohio | - | Do do | - | - | - | - | - | April | 27 |
| Nuckolls, John, and Solomon P. Wheeler | - | Bolivar, Tenn. | - | Do do | horizontal, current and inclined | race-wheel | - | - | - | June | 22 |
| Nash, Adkins | - | Addison, Maine | - | Wind and water-wheel | - | - | - | - | - | April | 27 |
| Parker, Edmund, and Herman White | - | Meriden, Conn. | - | Coffee and spice mill | - | - | - | - | - | June | 22 |
| Parmelee, David, and Jonathan Mooers | - | New Troy, Pa. | - | Grinding, scouring, and hulling, grain | - | - | - | - | - | June | 12 |
| Prentiss, Seaver | - | New York | - | Grist mill, gate pressure | - | - | - | - | - | June | 14 |
| Rhodes, William | - | Trenton, Tenn. | - | Propelling mills, boats, &c., lever power machinery | - | - | - | - | - | April | 27 |
| Reynolds, Allen B. | - | Cincinnati, Ohio | - | Saw-mill, circular railway and propelling machinery | - | - | - | - | - | June | 29 |
| Reynolds, Sandford | - | Pitcher, N. Y. | - | Water-wheel, co-action with a box or cylinder to turn in | - | - | - | - | - | Dec. | 15 |
| Sinclair, John | - | Richland, Ohio | - | Block, head, for saw-mill | - | - | - | - | - | Feb. | 28 |
| Schevenell, Richard S. | - | Orangeburg, S. C. | - | Horse power and accelerating machine | - | - | - | - | - | Nov. | 13 |
| Shumard, Francis | - | Cincinnati, Ohio | - | Saw-mill, circular saws for cutting laths, &c. | - | - | - | - | - | Oct. | 31 |
| Stoddard, Sheldon | - | Jackson township, Pa. | - | Water-wheel, horizontal | - | - | - | - | - | May | 28 |
| Stern, David | - | Vanderburgh co., Ind | - | Stones for grist-mills | - | - | - | - | - | Jan. | 5 |
| Showerman, Timothy | - | Covington, N. Y. | - | Propelling machinery by horse power | - | - | - | - | - | June | 27 |
| Witherby, Thomas, and Joseph Torrey | - | Millbury, Mass. | - | Coffee mill, double | - | - | - | - | - | July | 17 |
| Winslow, Thomas | - | Jay, Maine. | - | Water-wheel with folding ladle-boards | - | - | - | - | - | Oct. | 25 |

LIST OF PATENTS—CHEMICAL COMPOSITIONS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|--|---------------------|--------------|
| | | | 1832. |
| Bleaching bayberry wax - - - - - | Benjamin Gomperts - | New York - | Feb. 14 |
| Do yellow bees wax - - - - - | John N. Shultz - | Do - | April 30 |
| Cement for wood, brick, stone, or iron, work - - - - - | Richard Walsh - | Boston, Mass. - | Jan. 5 |
| Dying with alkaline prussiates - - - - - | Felix Fossard - | Pittsburgh, Pa. - | Dec. 14 |
| Fomentations, preparing and applying - - - - - | Timothy L. Jennison - | Cambridge, Mass. - | Aug. 30 |
| Gold, machine for washing, &c. - - - - - | Thomas Rives, senior - | Hall co., Ga. - | Feb. 3 |
| Do swinging riddle, being an improvement on the railway car gold riddle, previously patented by him - - - - - | Oscar Willis - | Morgantown, N. C. - | Sept. 5 |
| Gold, machine for washing - - - - - | William Davis - | Fauquier co., Va. - | Nov. 22 |
| Hides, liming and handling in tanning - - - - - | Caleb Hank - | Monroe co., Va. - | May 3 |
| Iron ore, machine for separating - - - - - | Joseph Goulding - | Reeseville, N. Y. - | July 18 |
| Medicine for the cure of syphilis, &c., denominated the "Unfortunate's Friend" - - - - - | Nicholas W. Badean - | New York - | March 8 |
| Medicine, (astringent tonic) - - - - - | Hortoa Howard - | Columbus, Ohio - | Aug. 25 |
| Do (compound tincture of myrrh) - - - - - | Do - | Do do - | Do 25 |
| Do (diaphoretic or sweating powders) - - - - - | Do - | Do do - | Do 25 |
| Do (bitter tonic) - - - - - | Do - | Do do - | Do 25 |
| Do antispasmodic tincture - - - - - | Do - | Do do - | Do 25 |
| Do for the cure of cholera - - - - - | Jacob Houck - | Baltimore, Md. - | Oct. 25 |
| Oil, fish, whale, and sperm, manufacturing - - - - - | David C. Knapp, Cha's H. Knapp, and Allen H. Howland - | Oswego, N. Y. - | May 29 |
| Oil, sperm, whale, cotton seed, and other clarifying - - - - - | Ephraim C. Moss - | New York - | Dec 28 |

| | | | | | | | |
|--|---|---|---|---------------------|---|-------|----|
| Paint or composition for rendering silk, &c., water proof | - | Elijah Winslow, Thomas Chandler, John M. Milliken, and Hez. Winslow | - | Unity, Maine | - | June | 4 |
| Paint, or composition of matter for, and lubricating or greasing ship's ways for launching | - | Whitman Mead | - | Greenwich, Conn. | - | Oct. | 25 |
| Salts, metallic, (date of patent Dec. 4, 1828) | - | Edward Clark | - | New York | - | July | 3 |
| Seidlitz or rochelle water | - | Joseph Boston | - | Do | - | May | 5 |
| Soda water, machine for drawing | - | George H. Duffey | - | Alexandria, D. C. | - | April | 19 |
| Do fountain | - | James Fraley and Andrew Kirkpatrick | - | Urbanna, Ohio | - | May | 9 |
| Do apparatus | - | Joseph H. Laning | - | Philadelphia, Pa. | - | June | 22 |
| Tanning, machinery for preparing hides for | - | Lewis Newsom | - | Gallipolis, Ohio | - | March | 8 |
| Do leather | - | Joseph Blunt | - | New York | - | Nov. | 30 |
| Do without the use of lime or sweating the hides | - | Edward Evans | - | Salem township, Pa. | - | Dec. | 28 |
| Tan-vats, or latches and conveying trough | - | William Brown | - | Herkimer, N. Y. | - | June | 28 |

LIST OF PATENTS—CHEMICAL COMPOSITIONS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---|-----------------------|--|--------------|
| | | | 1832. |
| Badean, Nicholas W. | New York - - | Medicine for the cure of syphilis, &c., denominated the "Unfortunate's Friend" - - - - - | March 8 |
| Boston, Joseph - | Do - - - | Seidlitz or rochelle water - - - - - | May 5 |
| Blunt, Joseph - | Do - - - | Tanning leather - - - - - | Nov. 30 |
| Brown, William - | Herkimer, N. Y. - | Tan-vats, or latches and conveying trough - - - - - | June 28 |
| Clark, Edward - | New York - - - | Salts, metallic, (date of patent Dec. 4, 1828) - - - - - | July 3 |
| Davis, William - | Fauquier co., Va. - | Gold, machine for washing - - - - - | Nov. 22 |
| Duffey, George H. - | Alexandria, D. C. - | Soda water, machine for drawing - - - - - | April 19 |
| Evans, Edward - | Salem township, Pa. - | Tanning without the use of lime or sweating the hides - - - - - | Dec. 28 |
| Fossard, Felix - | Pittsburgh, Pa. - | Dying with alkaline prussiates - - - - - | Dec. 14 |
| Fraley, James, and Andrew Kirkpatrick | Urbana, Ohio - - | Soda water fountain - - - - - | May 9 |
| Gomperts, Benjamin - | New York - - - | Bleaching bayberry wax - - - - - | Feb, 14 |
| Goulding, Joseph - | Reeseville, N. Y. - | Iron ore, machine for separating - - - - - | July 18 |
| Hank, Caleb - | Monroe co., Va. - | Hides, limeing and handling in tanning - - - - - | May 3 |
| Howard, Horton - | Columbus, Ohio - | Medicine, (astringent tonic) - - - - - | Aug. 25 |
| Do - | Do do - | Do (compound tincture of myrrh) - - - - - | Do 25 |
| Do - | Do do - | Do (diaphoretic or sweating powders) - - - - - | Do 25 |
| Do - | Do do - | Do (bitter tonic) - - - - - | Do 25 |
| Do - | Do do - | Do (antispasmodic tincture) - - - - - | Do 25 |
| Houck, Jacob - | Baltimore, Md. - | Do for the cure of cholera, &c. - - - - - | Oct. 25 |
| Jennison, Timothy L | Cambridge, Mass. - | Fomentations, preparing and applying - - - - - | Aug 30 |
| Knapp, David C., Cha's H. Knapp, and Allen H. Howland - | Oswego, N. Y. - | Oil, fish, whale, and sperm, manufacturing - - - - - | May 29. |

| | | | | | |
|--|---------------------|--|-----------|-------|----|
| Laning, Joseph H. | - Philadelphia, Pa. | - Soda water apparatus | - - - - - | June | 22 |
| Moss, Ephraim C. | - New York | - Oil, sperm, whale, cotton seed, and other purifying | - - - - - | Dec. | 28 |
| Mead, Whitman | - Greenwich, Conn. | - Paint, or composition of matter for, and lubricating or greasing | - - - - - | Oct. | 25 |
| | | ships' ways for launching | - - - - - | Mar. | 8 |
| Newsom, Lewis | - Callipolis, Ohio | - Tanning, machinery for preparing hides for | - - - - - | Feb. | 3 |
| Rives, senior, Thomas | - Hall co., Ga. | - Gold, machine for washing, &c. | - - - - - | April | 30 |
| Schultze, John N. | - New York | - Bleaching yellow bees' wax | - - - - - | Jan. | 5 |
| Walsh, Richard | - Boston, Mass. | - Cement for wood, brick, stone, or iron, work | - - - - - | Sept. | 5 |
| Willis, Oscar | - Morgantown, N. C. | - Gold, swinging, riddle, being an improvement on the railway | - - - - - | | |
| | | car, for gold riddle, previously patented by him | - - - - - | June | 4 |
| Winslow, Elijah, Thomas Chandler, John M. Milliken, and Hez. Winslow | - Unity, Maine | - Paint or composition for rendering silk, &c., water proof | - - - - - | | |

LIST OF PATENTS - FINE ARTS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES | RESIDENCE. | WHEN ISSUED. |
|--|----------------------------------|-------------------|--------------|
| | | | 1832. |
| Bank notes, preventing counterfeits by lithography | Francis Peabody and Joseph Dixon | Salem, Mass. | April 20 |
| Blocks, stereotype, improvement in moving forward the "hooker" | Bradbury Hackett | Boston, Mass. | May 21 |
| Do do | Samuel Sawyer | Do | Do 28 |
| Do cam and spring for fastening stereotype plates | Abiel Chandler | Concord, Mass. | July 13 |
| Counterfeiting, figure lathe to prevent | David H. Mason | Philadelphia, Pa. | June 7 |
| Organ, seraphina or harmonicon | Louis Zwahlen | New York | May 5 |
| Painting, elastic stamp, for ornamenting walls, floors, &c. | Thomas Boynton | Windsor, Vt. | July 12 |
| Varnish, applying, to whip staffs | Frederick Morgan | Westfield, Mass. | April 27 |

LIST OF PATENTS—FINE ARTS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|--------------------------------------|---------------------|---|--------------|
| | | | 1832. |
| Boynton, Thomas - | Windsor, Vt. - | Painting, elastic stamp, for ornamenting walls, floors, &c. - | July 12 |
| Chandler, Abiel - | Concord, Mass. - | Blocks, cam and spring, for fastening stereotype plates - | Do 13 |
| Hackett, Bradbury - | Boston, Mass. - | Do stereotype, improvement in moving forward the "hooker" - | May 21 |
| Mason, David H. - | Philadelphia, Pa. - | Counterfeiting, figure lathe, to prevent - - - - | June 7 |
| Morgan, Frederick - | Westfield, Mass. - | Varnish, applying, to whip staffs - - - - | April 27 |
| Peabody, Francis, and Joseph Dixon - | Salem, Mass. - | Bank notes, preventing counterfeits by lithography - - | April 20 |
| Sawyer, Samuel - | Boston, Mass. - | Blocks, stereotype - - - - | May 28 |
| Zwahlen, Louis - | New York - | Organ, seraphina or harmonicon - - - - | Do 5 |

LIST OF PATENTS—HOROLGY.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|-----------------------------------|---------------------|---------------------|--------------|
| | | | 1832. |
| Alarm for time pieces - - - - - | Robert Wilson - | Williamsport, Pa. - | July 3 |
| Clock, striking part of - - - - - | George Parker - | Utica, N. Y. - | April 7 |
| Do do do - - - - - | James Bogardus - | New York - - - - | May 18 |
| Do - - - - - | Rufus Porter - | Bellerica, Mass. - | June 22 |
| Do - - - - - | James S. Seger - | New York - - - - | Nov. 27 |

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LIST OF PATENTS—HOROLOGY.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---------------------|-------------------|----------------------------|--------------|
| | | | 1832. |
| Bogardus, James | New York | Clocks, striking part of | May 18 |
| Parker, George | Utica, N. Y. | Do do do | April 7 |
| Porter, Rufus | Bellerica, Mass. | Do - - | June 22 |
| Seger, James S. | New York | Do - - | Nov. 27 |
| Wilson, Robert | Williamsport, Pa. | Alarm for time pieces | July 3 |

LIST OF PATENTS—MATHEMATICAL INSTRUMENTS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|----------------------------|---------------------|-------------------|--------------|
| | | | 1832. |
| Compass, surveying | William J. Young | Philadelphia, Pa. | Jan. 17 |

LIST OF PATENTS—MATHEMATICAL INSTRUMENTS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---------------------|-------------------|----------------------------|--------------|
| | | | 1832. |
| Young, William J. | Philadelphia, Pa. | Compass, surveying | Jan. 17 |

LIST OF PATENTS—SURGERY.

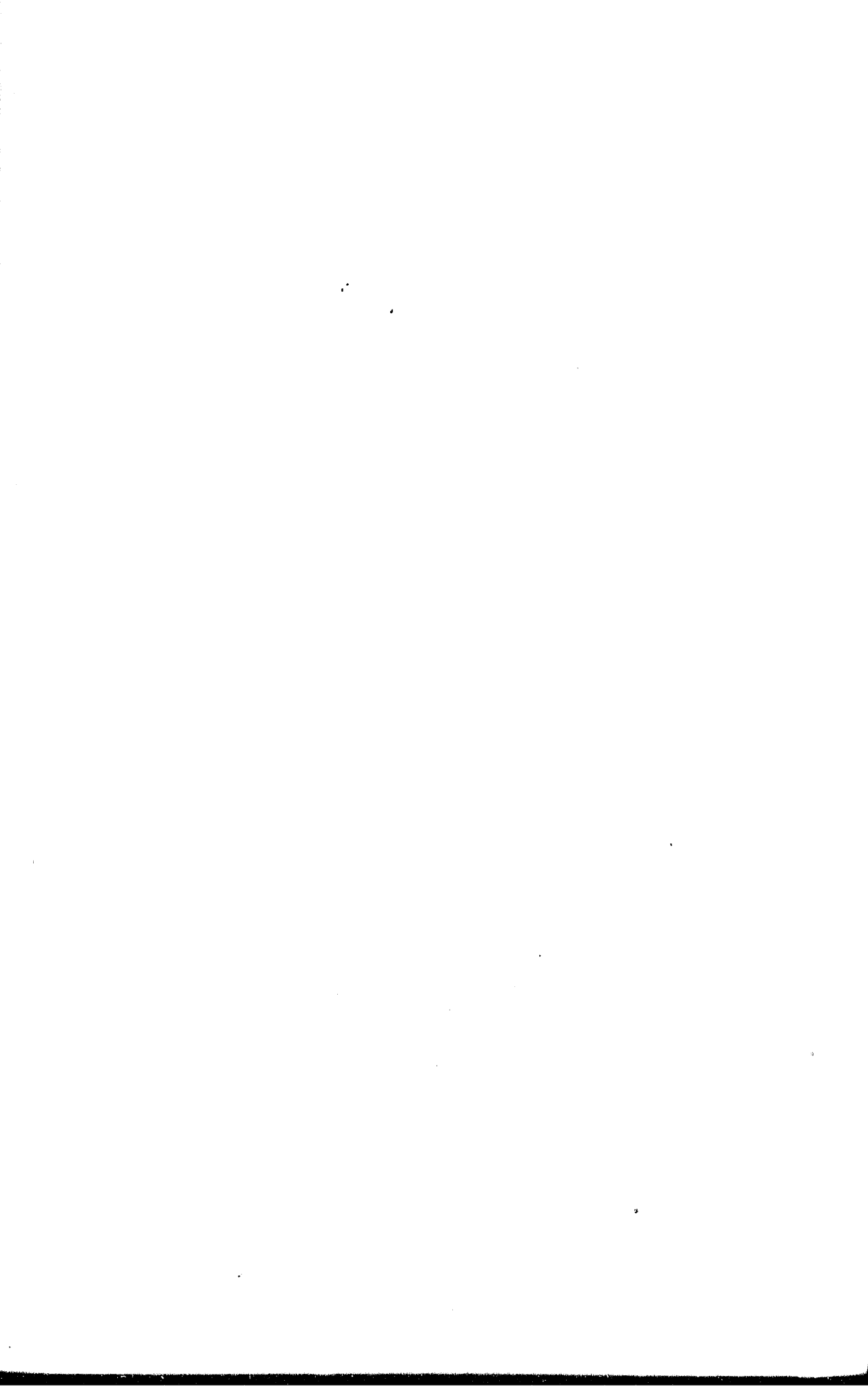
| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|-----------------------|---------------------|--------------|
| | | | 1832. |
| Croup in poultry, machine for curing - - - - | T. V. Bush - - | Clark, Ky. - | June 29 |
| Lancet or guard spring - - - - | Samuel Wilmot - | Bridgeport, Conn. - | Oct. 25 |
| Screw lever for extending crooked or setting fractured limbs - | Joseph Merrill - | Glasgow, Ky. - | June 22 |
| Tonsillarum sector - - - - | William B. Fahnestock | Lancaster, Pa. - | May 25 |

LIST OF PATENTS—SURGERY.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|----------------------|---------------------|--|--------------|
| | | | 1832. |
| Bush, T. V. - | Clark co., Ky. - | Croup in poultry, machine for curing - - - - | June 29 |
| Fahnestock, Wm. B. - | Lancaster, Pa. - | Tonsillarum sector - - - - | May 25 |
| Merrill, Joseph - | Glasgow, Ky. - | Screw lever for extending crooked or setting fractured limbs - | June 22 |
| Wilmot, Samuel - | Bridgeport, Conn. - | Lancet or guard spring - - - - | Oct. 25 |

The following abstract exhibits the number of Patents sent to each State.

| | | | | | | | |
|----------------|---|---|-----|----------------------|---|---|--------------|
| Maine | - | - | 24 | Kentucky | - | - | 7 |
| New Hampshire | - | - | 11 | Tennessee | - | - | 7 |
| Massachusetts | - | - | 56 | Ohio | - | - | 54 |
| Rhode Island | - | - | 4 | Louisiana | - | - | 1 |
| Connecticut | - | - | 29 | Indiana | - | - | 4 |
| Vermont | - | - | 14 | Mississippi | - | - | 3 |
| New York | - | - | 122 | Alabama | - | - | 2 |
| New Jersey | - | - | 8 | Missouri | - | - | 1 |
| Pennsylvania | - | - | 82 | Michigan Territory | - | - | 2 |
| Maryland | - | - | 12 | District of Columbia | - | - | 7 |
| Virginia | - | - | 11 | | | | |
| North Carolina | - | - | 5 | Total | - | - | 474 patents. |
| South Carolina | - | - | 4 | | | | |
| Georgia | - | - | 4 | | | | |



PATENTS FOR INVENTIONS EXPIRED IN 1832.

LETTER

FROM

THE SECRETARY OF STATE,

TRANSMITTING

*A List of Patents for Discoveries, Inventions, &c. which have expired
within the year 1832, &c. &c.*

JANUARY 12, 1833.

Read, and laid upon the table.

DEPARTMENT OF STATE,

January 11, 1833

According to the provisions of an act of Congress of the 3d of July, 1832, entitled "An act concerning patents for useful inventions," the Secretary of State has the honor to report to the House of Representatives a certified list of all the patents for discoveries, inventions, and improvements, which have expired within the last year, with the names of the patentees alphabetically arranged.

Respectfully submitted.

EDW. LIVINGSTON

To the Hon. the SPEAKER
of the House of Representatives.

A List of expired Patents in the year 1832.

| NAME OF PATENTEE. | Date of Patent. | INVENTION OR DISCOVERY. |
|--|-----------------|--|
| | 1818 | |
| Armstrong, Stephen - - - - | April 7 | Improvement in weaving. |
| Allison, Burgess - - - - | Do 10 | Do in stoves. |
| Adams, John - - - - | Do 16 | Do in stoves, cooking. |
| Arnold, Peleg - - - - | August 1 | Do in spinning cotton yarn. |
| Audler, Ezekiel - - - - | October 26 | Do in the Asiatic lentive. |
| Avery, George D. - - - - | December 28 | Do in the plough. |
| Black, Jeremiah - - - - | January 17 | Do in artillery. |
| Do Do - - - - | Do 17 | Do in the Archimedian screw. |
| Brookes, Edmund and John - - - - | Do 28 | Do in the wheat fan. |
| Bigelow, Alpheus - - - - | February 13 | Do in the straw cutting machine. |
| Beatty, Thomas, and Michael Shanks - - - - | Do 25 | Do in the thrashing machine. |
| Baldwin, James - - - - | March 7 | Do in the machine for planing boards. |
| Bryant, Ebenezer - - - - | Do 18 | Do in the founder's moulding die. |
| Babcock, John - - - - | Do 18 | Do in the printers' ball stocks. |
| Bradley, Zalmon T. - - - - | April 21 | Do in the spinning wheel. |
| Bedford, John - - - - | June 2 | Do in boots and shoes with tacks. |
| Brown, John - - - - | Do 12 | Do in the domestic spinner. |
| Breithler, John G. - - - - | Do 13 | Do in the machine for grinding sugar cane. |
| Brown, Hiram - - - - | July 24 | Do in the water wheel. |
| Bryant, John J. - - - - | September 2 | Do in the machine for shearing cloth. |
| Burnet, James - - - - | Do 15 | Do in the washing machine. |
| Beatty, Thomas - - - - | October 5 | Do in the winnowing machine. |
| Beissel, David - - - - | Do 26 | Do in the machine for chopping sausage meat. |
| Brux, Albert - - - - | November 6 | Do in the floating dry dock. |

| | | | | | | | | |
|---|---|---|---|---|----------|----|----|---------------------------------------|
| Barker, William | - | - | - | - | Do | 10 | Do | in the water tew iron. |
| Boniville, Michael H. | - | - | - | - | Do | 17 | Do | in C springs for carriages. |
| Bowne, Rodman, and John Murphy | - | - | - | - | Do | 18 | Do | in the horse wheel. |
| Bromwell, Jacob | - | - | - | - | Do | 26 | Do | in the winnowing machine. |
| Bartholomew, Andrew | - | - | - | - | December | 1 | Do | in propelling boats. |
| Bullard, Chester, J. Gay, and J. Draper | - | - | - | - | Do | 16 | Do | in the thrashing machine. |
| Batchelder, James | - | - | - | - | Do | 22 | Do | in tanning hides. |
| Collins, Daniel | - | - | - | - | January | 6 | Do | in the saw mill. |
| Cerneau, Jos. | - | - | - | - | March | 6 | Do | in propelling boats. |
| Clarke, Edward | - | - | - | - | Do | 28 | Do | in manufacturing white lead. |
| Cox, Benjamin | - | - | - | - | Do | 28 | Do | in preparing rags for paper. |
| Cullen, John | - | - | - | - | May | 4 | Do | in liquid magnesia. |
| Clerc, Henry, and Pasquale Ricardi | - | - | - | - | Do | 25 | Do | in pluribus unum. |
| Church, William | - | - | - | - | July | 11 | Do | in the steam engine. |
| Clark, James | - | - | - | - | Do | 31 | Do | in wooden springs. |
| Cudlip, John, and George Prise | - | - | - | - | November | 18 | Do | in stove pipes. |
| Clark, James | - | - | - | - | Do | 30 | Do | in the odometer. |
| Clark, Joshua, and L. Crowell | - | - | - | - | December | 18 | Do | in conduit pipes. |
| Croasdale, Bazaleel | - | - | - | - | Do | 21 | Do | in manufacturing corn brooms. |
| Donalson, Alexander | - | - | - | - | January | 15 | Do | in cutting bungs for casks. |
| Durand, John P. | - | - | - | - | Do | 17 | Do | in propelling boats. |
| Durand, Cyrus | - | - | - | - | March | 17 | Do | in grammatical mirror. |
| Davis, Samuel | - | - | - | - | Do | 28 | Do | in the mud machine. |
| Deprest, B. S. | - | - | - | - | May | 9 | Do | in popelling boats. |
| Davis, Gideon | - | - | - | - | Do | 26 | Do | in water tew iron. |
| Do Do | - | - | - | - | Do | 25 | Do | in the plough. |
| Dwight, John and Sullivan | - | - | - | - | June | 17 | Do | in sawing marble and stone. |
| Deverin, John, and Baptiste Isabelle | - | - | - | - | July | 6 | Do | in the aromatic steam bath. |
| Dana, Daniel, and Anthony Olney | - | - | - | - | August | 24 | Do | in the lathe for turning gun barrels. |

LIST—Continued.

| NAME OF PATENTEE. | Date of Patent | INVENTION OR DISCOVERY. |
|-----------------------------|----------------|---|
| | 1818. | |
| Drummond, James - - - - | August 27 | Improvement in gill nets. |
| Durand, Cyrus - - - - | September 22 | Do in ornamenting columns. |
| Drake, Gideon - - - - | October 26 | Do in window springs. |
| Elliot, Rufus - - - - | February 14 | Do in the machine for collecting sand. |
| Eoff, John - - - - | March 5 | Do in the machine for consuming smoke in furnaces. |
| Eastman, Cyrus - - - - | April 16 | Do in drawing metallic tubes. |
| Evans, John - - - - | Do 21 | Do in the water wheel. |
| Edwards, John - - - - | May 25 | Do in the pump or suction machine. |
| Do Do - - - - | Do 25 | Do in the water wheel. |
| Eve, Jos. - - - - | Do 28 | Do in the steam engine. |
| Everard, Francis A. - - - - | Do 28 | Do in the machine for sweeping chimneys. |
| Ellicott, Evan J. - - - - | Do 28 | Do in manufacturing iron plates. |
| Elliot, Moses - - - - | June 9 | Do in arranging music to printing. |
| Fettrow, Andrew - - - - | May 28 | Do in the machine for cleaning grain. |
| Do Do - - - - | Do 28 | Do in the machine for breaking plaster and hard substances. |
| Francis, William - - - - | July 11 | Do in the wing valve for pumps. |
| Farnham, Henry - - - - | September 5 | Do in propelling boats. |
| Finigan, James - - - - | October 8 | Do in varnishing and japanning leather. |
| Foster, Aaron - - - - | November 25 | Do in teazling and napping cloth. |
| Greenwood, Holmes - - - - | January 28 | Do in polishing powder |

| | | | | | | | |
|--|---|---|---|-----------|----|----|---|
| Gordon, Daniel | - | - | - | February | 14 | Do | in rafts. |
| Giraud, John J. | - | - | - | April | 10 | Do | in propelling boats. |
| Grieve, David | - | - | - | Do | 11 | Do | in the weaving machine. |
| Greenwood, James, | - | - | - | Do | 28 | Do | in wooden springs. |
| Gregg, James and Jos. | - | - | - | May | 28 | Do | in the thrashing machine. |
| Greenholt, John | - | - | - | June | 9 | Do | in the shoemakers' bench. |
| Gray, Salmon | - | - | - | July | 15 | Do | in the machine for raising weights. |
| Gutwaldt, Jos. A. | - | - | - | August | 27 | Do | in the piano forte. |
| Grieve, David | - | - | - | September | 18 | Do | in the machine for roping and twisting. |
| Gallagher, Hugh | - | - | - | October | 29 | Do | on Z. Phinney's corn sheller. |
| Gray, Jeremiah | - | - | - | November | 18 | Do | in propelling boats. |
| Goodrich, Lemuel, and John Adams | - | - | - | December | 3 | Do | in the plough. |
| | | | | | | | |
| Hunter, William T. | - | - | - | January | 8 | Do | on Deneale's oven. |
| Hale, Benjamin | - | - | - | Do | 17 | Do | in coaches. |
| Homer, Jos. | - | - | - | Do | 28 | Do | in metallic bedsteads. |
| Hersey, John | - | - | - | February | 9 | Do | in the reaping machine. |
| Harrison, Francis | - | - | - | March | 16 | Do | in double forcing pump. |
| Harper, George | - | - | - | Do | 23 | Do | in potato drills. |
| Holmes, Alonson | - | - | - | Do | 23 | Do | in bellows for smiths. |
| Hendrix, Beardsley, and Halstead Price | - | - | - | April | 13 | Do | in the rotary steam engine. |
| Hendrick, William | - | - | - | June | 12 | Do | in the pump. |
| Hill, William F. | - | - | - | July | 11 | Do | in the circular saw. |
| Hurdle, Noble | - | - | - | October | 1 | Do | in the catch for window shutters. |
| Henrie, Arthur | - | - | - | Do | 28 | Do | in the water wheel. |
| Hallock, John | - | - | - | November | 5 | Do | in clarifying castor oil. |
| Hayward, Ansel | - | - | - | Do | 23 | Do | in inkstands. |
| Hall, William | - | - | - | December | 19 | Do | in sweeping chimneys. |
| Harrison, Richard N. | - | - | - | Do | 19 | Do | in the plough. |
| | | | | | | | |
| Jenks, Ebenezer | - | - | - | January | 28 | Do | in converting iron into steel. |

LIST—Continued.

| NAME OF PATENTEE. | Date of Patent. | INVENTION OR DISCOVERY. |
|--------------------------------|-----------------|---|
| | 1818. | |
| Jackson, Cyrus - - - - | February 14 | Improvement in augur for rectilineal holes. |
| Jones, James - - - - | Do 25 | Do in hulling grain. |
| Isaacs, Moses - - - - | March 17 | Do in propelling boats. |
| Do Do - - - - | May 28 | Do in the wind wheel. |
| Jenks, Ebenezer - - - - | September 2 | Do in fire places. |
| James, Jos. - - - - | November 18 | Do in the hydraulic machine. |
| Kendall, Jeremiah - - - - | March 18 | Do in kettles for boiling salt. |
| Kling, Abraham - - - - | April 28 | Do in cutting sausage meat. |
| Kearsing, Thomas - - - - | June 6 | Do in propelling boats. |
| Kenrick, John - - - - | Do 10 | Do in submarine ploughing. |
| Keintzle, John G. - - - - | October 8 | Do in bleaching. |
| Lewis, Winslow - - - - | January 23 | Do in lamps. |
| Langworthy, William A. - - - - | February 28 | Do in metallic hair combs. |
| Lotz, John H. - - - - | March 18 | Do in stoves and fire-places. |
| Lete, Nicholas A. - - - - | June 11 | Do in the violin. |
| Leaming, Samuel M. - - - - | July 6 | Do in spring saddles. |
| Lamb, James - - - - | Do 17 | Do in cooking stoves. |
| Little, Joseph - - - - | Do 25 | Do in making casks. |
| Lewis, Nathaniel H. - - - - | August 26 | Do in shieves for blocks. |
| Lane, Aaron - - - - | September 15 | Do in the stove. |
| Do Do - - - - | Do 22 | Do in sweeping chimneys. |
| Moody, Paul - - - - | January 17 | Do in sizing and dressing yarn. |

| | | | | | | | |
|-------------------------------------|---|---|---|----------|----|----|---------------------------------------|
| McKamy, Alexander D. | - | - | - | February | 10 | Do | in the spiral screw water wheel. |
| Maltby, Benjamin, and Maltby Fowler | - | - | - | Do | 28 | Do | in the machine for hulling grain. |
| Mount, Robert, and John | - | - | - | April | 11 | Do | in the stove. |
| Morton, John H., and Robert Hutton | - | - | - | Do | 28 | Do | in spare steam in distillation. |
| Mitchell, William | - | - | - | May | 28 | Do | in manufacturing bricks. |
| McKay, John | - | - | - | Do | 28 | Do | in painting 1ret, &c. |
| Mixer, Nathaniel | - | - | - | Do | 28 | Do | in springs for saddles. |
| Munger, George | - | - | - | June | 23 | Do | in salt made by freezing. |
| Meer, John | - | - | - | August | 26 | Do | in binding books. |
| Miller, Perry | - | - | - | October | 26 | Do | in the plough. |
| Merot, Charles | - | - | - | November | 5 | Do | in distilling vaporous alambic. |
| Melville, David | - | - | - | Do | 18 | Do | in breaking flax and hemp. |
| Mitchell, John K. | - | - | - | Do | 19 | Do | in the heat retainer. |
| Melville, David | - | - | - | Do | 19 | Do | in the Argand lamp. |
| Manter, Graften | - | - | - | December | 8 | Do | in casting mill stone faces. |
| Morey, Samuel | - | - | - | Do | 19 | Do | in the treble pipe steam engine. |
| Do Do | - | - | - | Do | 19 | Do | in the water burner. |
| Mayfield, Thomas | - | - | - | Do | 28 | Do | in the thrashing machine. |
| | | | | | | | |
| Nixon, Samuel | - | - | - | February | 28 | Do | in the machine for kneading dough. |
| Nash, Sylvester | - | - | - | April | 11 | Do | in turning musket barrels. |
| North, Linius | - | - | - | May | 28 | Do | in metal hair combs. |
| | | | | | | | |
| Ogle, Samuel | - | - | - | June | 9 | Do | in the plough. |
| Oakley, George P. | - | - | - | November | 25 | Do | in the sample box. |
| | | | | | | | |
| Prescott, Jonathan | - | - | - | March | 6 | Do | in tanning and currying leather. |
| Porter, Nathan | - | - | - | April | 7 | Do | in the churn. |
| Pettibone, Daniel | - | - | - | Do | 10 | Do | in cutting comb teeth. |
| Pye, William | - | - | - | Do | 28 | Do | in locks and bolts for sliding doors. |
| Pye, William | - | - | - | Do | 28 | Do | in the union lock. |

LIST—Continued.

| NAME OF PATENTEE. | Date of Patent. | INVENTION OR DISCOVERY. |
|--|-----------------|--|
| | 1818. | |
| Pennock, Abraham L., and James Sellers | July 6 | Improvement in leather tubes, nailed. |
| Do Do and Do Do | Do 6 | Do in mail bags, nailed. |
| Pettibone, Daniel | August 11 | Do in making combs. |
| Prescott, Jedediah, and Levi | November 5 | Do in napping cloth. |
| Peasley, Aaron M. | Do 11 | Do in organs. |
| Potts, Jos. | Do 11 | Do in rolling plough shares. |
| Putnam, Elisha | Do 18 | Do in conduit pipes. |
| Palmer, John | Do 29 | Do inclined horse wheel. |
| Ronaldson, James | February 2 | Do in seasoning wood and timber. |
| Raymond, Alanson, and Garet V. | Do 7 | Do in composition for stiffening hats. |
| Read, Nathan | Do 18 | Do in the thrashing machine. |
| Read, John | March 6 | Do in wheels for mills. |
| Richards, Joseph | May 28 | Do in manufacturing white lead. |
| Ramage, Adam | Do 28 | Do in the printing press. |
| Rogers, Samuel | June 24 | Do in the lathe for turning rollers. |
| Do Do | Do 28 | Do in the mill for rolling sheet iron. |
| Robinson, George W. | July 17 | Do in securing locks from being picked |
| Do Do | Do 17 | Do in setting kettles. |
| Richardson, jr , John | Do 24 | Do in fire engines. |
| Reading, Pearson | August 1 | Do in horse rakes |
| Rogers, Daniel | Do 26 | Do in granulating gunpowder. |
| Ruffner, Tobias | December 22 | Do in sinking wells. |
| Smith, Henry | January 15 | Do in holding the pen. |

| | | | | | | | |
|---|---|---|---|-----------|----|----|--|
| Stillman, William | - | - | - | Do | 17 | Do | in shearing cloth. |
| Smith, McPherson | - | - | - | Do | 28 | Do | in hair combs. |
| Stearns, Abner, and William Barrett | - | - | - | Do | 30 | Do | in dying and finishing silk goods. |
| Simpson, William | - | - | - | February | 19 | Do | in conveying motion from one wheel to another. |
| Sullivan, John L. | - | - | - | Do | 28 | Do | wheel regulator and spare geer. |
| Do Do | - | - | - | Do | 28 | Do | in supply chamber to steam engines. |
| Do Do | - | - | - | Do | 28 | Do | in boilers of steam engines. |
| Shaw, John | - | - | - | April | 10 | Do | in rudders for ships. |
| Sherwood, Stephen A. | - | - | - | Do | 11 | Do | in the straw cutting machine. |
| Sullivan, John L. | - | - | - | Do | 28 | Do | in the paddle for ships. |
| Shephard, Isaac | - | - | - | May | 28 | Do | in making butter. |
| Storm, Thomas T. | - | - | - | Do | 28 | Do | in the churn. |
| Smith, Burrows | - | - | - | June | 9 | Do | in the grist-mill. |
| Sizer, Jonathan, administrator of Z. Waterhouse | - | - | - | Do | 12 | Do | in the coffee mill. |
| Spraugh, Augustus L. M. De | - | - | - | Do | 29 | Do | in the flying pen. |
| Stedman, Simon | - | - | - | July | 25 | Do | in bent wood handles and sockets for ladles. |
| Stearns, Abner, and William Barrett | - | - | - | September | 8 | Do | in dying and finishing silk goods. |
| Swann, John B. | - | - | - | Do | 29 | Do | in carriages. |
| Stanstury, Daniel | - | - | - | October | 26 | Do | in rod for measuring packages. |
| Sullivan, John L. | - | - | - | December | 10 | Do | in the rotary steam engine. |
| Do Do | - | - | - | Do | 11 | Do | in water oulder. |
| Do Do | - | - | - | Do | 11 | Do | in the double stern wheel. |
| Do Do | - | - | - | Do | 11 | Do | in side rudders for steamboats. |
| Skinner, Elijah | - | - | - | Do | 28 | Do | in the machine for grinding paint. |
| Sullivan, John L. | - | - | - | Do | 29 | Do | in the steam engine boiler. |
| Smith, Ebenezer | - | - | - | Do | 31 | Do | in the lever crane. |
| Tiernan, Anthony | - | - | - | April | 27 | Do | in dog power for machinery. |
| Thayer, Amos | - | - | - | May | 1 | Do | in applying water to wheels. |
| Do Do | - | - | - | Do | 1 | Do | in the water wheel. |

LIST—Continued.

| NAME OF PATENTEE. | Date of Patent. | INVENTION OR DISCOVERY. |
|--|-----------------|---|
| | 1818. | |
| Trott, John S. - - - - | June 2 | Improvement in propelling boats, |
| Treadwell, Ephraim - - - - | August 27 | Do in ovens. |
| Taylor, Abraham - - - - | November 18 | Do in propelling boats. |
| Uplike, Daniel - - - - | February 19 | Do in the pump. |
| Ulman, Mayer, and Moses Isaacs - - - - | March 17 | Do in propelling boats. |
| Valentine, George F. - - - - | August 26 | Do in chrystallizing tin. |
| Viales, Louis - - - - | October 29 | Do in inspecting cotton. |
| Watson, Joseph - - - - | January 15 | Do in fetters for horses. |
| Wright, Daniel - - - - | Do 15 | Do in splitting laths. |
| Wilson, Increase - - - - | March 6 | Do in the coffee mill. |
| Waterman, John - - - - | May 28 | Do in sliding temples for weavers. |
| Wheeler, Artemas - - - - | June 10 | Do in gun for firing several charges at once. |
| Warren Edmund - - - - | August 27 | Do in the loom. |
| Woods, Pierce - - - - | September 29 | Do in distilling. |
| Waters, Asa - - - - | December 21 | Do in turning gun barrels. |
| Do Do - - - - | Do 22 | Do in the swing bucket water wheel. |
| Wilson, Henry - - - - | Do 29 | Do in the spinning wheel. |
| Wheatly, Henry William - - - - | Do 30 | Do in applying the screw to propelling boats. |

DEPARTMENT OF STATE, PATENT OFFICE, *January 1, 1833.*

I hereby certify that the foregoing is a correct "List of all the patents for discoveries, inventions, and improvements, which have expired within the year 1832," furnished agreeably to an act of Congress, approved July 3, 1832.

JOHN D. CRAIG, *Superintendent.*

PATENTS FOR USEFUL INVENTIONS, 1833.

LETTER

FROM

THE SECRETARY OF STATE,

TRANSMITTING

A list of the names of persons to whom patents have been granted for new and useful inventions, during the year 1833, &c.

JANUARY 21, 1834.

[Read, and laid upon the table.]

DEPARTMENT OF STATE,

January 18, 1834.

SIR: In compliance with the resolutions of the House of Representatives, dated the 13th of January, 1812, and the 2d of April, 1830, I have the honor to transmit a list, prepared according to the form heretofore used, of the names of persons who have invented any new or useful art or machine, manufacture, or composition of matter, or any improvement thereon, and to whom patents have been issued for the same, from this office, within the year 1833, with the dates and general objects of such patents, and also the residences of the patentees, as far as they could be ascertained.

I have the honor to be, sir,

Your obedient servant,

LOUIS McLANE.

Hon. SPEAKER of the *House of Representatives.*

Gales & Seaton, print.]

LIST OF PATENTS—AGRICULTURE.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|--|----------------------------|--------------|
| | | | 1833. |
| Agricultural steam apparatus - - - | Edmund C. Bellinger - | Barnwell district, S. C. - | November 19 |
| Apples, paring and quartering - - - | Cyprian S. Pratt - | Paris, Me. - | December 28 |
| Bogs and bushes, machine for cutting - - - | Thomas Spring - | Granby, Conn. - | April 27 |
| Clover seed, machine for hulling - - - | Thomas Gollogher - | Fairfield county, Ohio - | February 28 |
| Clover seed, machine for hulling - - - | Jacob Gans - | Fayette county, Pa. - | March 12 |
| Clover seed, corn shelling machine, &c. - - - | Robert Rittenhouse - | Amwell township, Pa. - | March 19 |
| Clover seed machine - - - | Hildreth Robbins - | Wilton, Me. - | September 6 |
| Clover seed machine - - - | Leonard Keck - | Tyrone township, Pa. - | December 16 |
| Clover seed machine - - - | William Kuhn, George Hassinger, and Wm. Stiles - | Union county, Pa. - | December 24 |
| Clover seed machine - - - | Christian Landes - | Mount Sidney, Va. - | December 24 |
| Clover seed machine - - - | Elisha Rider - | Lovingsston, Va. - | December 28 |
| Clover seed machine - - - | Israel Correll - | New Philadelphia, Ohio - | December 31 |
| Corn breaking machine - - - | Webber Furbish - | Hallowell, Me. - | March 15 |
| Corn sheller - - - | Samuel E. Donnell - | Greensborough co. N. C. - | April 5 |
| Corn sheller - - - | John Ross - | Boundbrook, N. J. - | April 12 |
| Corn sheller - - - | Michael Carpenter - | Lancaster, Pa. - | August 8 |
| Corn sheller - - - | Frederick Elliot - | Greensborough, N. C. - | November 19 |
| Corn breaker, (pat'd March 15, 1833,) re-issued - - - | Webber Furbish - | Hallowell, Me. - | December 26 |
| Cotton seed, separating by a roller-gin - - - | Wm. Whittemore and Wm. Whittemore, Jun. - | West Cambridge, Mass. - | March 21 |
| Cotton seed, hulling - - - | Lancelot Johnson - | Madison, Geo. - | May 29 |
| Cotton planter - - - | John G. Goodman and Wm. S. McDonald - | Wilson county, Tenn. - | June 29 |
| Cotton seed, rice, &c. machine - - - | Noel Mixon - | Madison, Geo. - | December 20 |
| Cultivator, seeding - - - | John Reichard - | Guilford township, Pa. - | December 16 |
| Fan, wheat - - - | John Deakyne - | Petersburg, Va. - | September 13 |
| Fanning mill - - - | Nathan Wells - | Milford, Pa. - | September 11 |
| Flax and hemp, breaking and thrashing machine - - - | Noah G. Hayden - | Harrodsburg, Ken. - | April 12 |

Flax and hemp dressing machine - - -
 Flax and hemp cleaning, softening, separating, and short-
 ening the staples or fibres - - -
 Flax and hemp, breaking and cleaning - - -
 Flax and hemp, silk tow, wool, and a combing and hackling
 Fodder, machine for cutting hay, straw, potatoes, &c. -
 Fodder, machine for cutting hay, straw, potatoes, &c. -
 Grain, of all kinds, reaping and cutting - - -
 Hay and grain covering - - -
 Hoes - - -
 Hoes - - -
 Mowing machine - - -
 Mowing machine, or machine for cutting and swarthing, or
 cutting and not swarthing, as they stand in the field, hemp,
 flax, wheat, rye, oats, &c. - - -
 Do do do - - -
 Plough, bar share or fallow, (pat'd Oct. 1, 1825,) re-issued,
 Plough - - -
 Plough, construction of, and action of the mould board, -
 Plough, hinged wing, hill side - - -
 Plough, reversing hill side - - -
 Plough - - -
 Plough - - -
 Plough - - -
 Plough - - -
 Plough, self sharpening horizontal - - -
 Plough, improvement to be attached to the common Gopher
 Plough, improvement on Barnard's - - -
 Plough - - -
 Plough, ridge - - -

Hezekiah Hawley - Louisville, Ken. - June 4
 Hezekiah Hawley - Louisville, Ken. - June 29
 Arnold Zellnor - Pulaski, Tenn. - July 26
 Joseph Westerman & James Westerman - New York - August 14
 Wm. A. Hamilton - Albany, N. Y. - November 19
 Amos Russell and Noah Davis - Syracuse, N. Y. - November 19
 Obed Hussey - Cincinnati, Ohio - December 31
 Francis Wingate - Hallowell, Me. - March 19
 Charles H. Strong and Edward A. Sterry - Norwich, Conn. - January 5
 George Harper - Montgomery county, Pa. - November 19
 Richard Heath - West Newbury, Mass. - April 26
 Thomas A. Anderson, William Schnebly and Thomas Schnebly - McMinn county, Tenn. - June 29
 Gideon Davis - Hagerstown, Maryland - August 22
 Henry Speightman and Daniel Miller - Georgetown, D. C. - March 6
 Henry Peachey - Lancaster, Penn. - March 25
 Wm. B. Donald - Washington, D. C. - April 5
 Calvin Delano - Fairfield, Virginia - June 29
 Lewis Donnell - Livermore, Maine - July 5
 Charles B. Taylor - Jefferson township, Ohio - July 23
 Elisha Kelley - Bainbridge, Ohio - August 23
 Sarah Evans, executrix, and J. McFaden, execu-
 tor of G. Evans, dec'd - Bainbridge, Ohio - August 26
 Cyrus H. McCormick - Pittsburg, Penn. - September 18
 Thomas Carter - Rockbridge county, Va. - November 19
 Peter Hastings - Saurin district, S. C. - December 16
 Joseph P. Sharp - Dagsborough, Del. - December 19
 William Atwood and Daniel Hamblet - Geneseo, New York, - December 20
 Daniel Hamblet - Cornish, N. H. - December 24

LIST OF PATENTS—AGRICULTURE—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|---|-----------------------------|--------------|
| | | | 1833. |
| Plough, cast iron - - - - - | Anthony Taylor - | Green township, Ohio - | December 26 |
| Poly share - - - - - | Frederick Brewster - | Burlington, Vermont - | January 24 |
| Potatoes, furrowing, dropping and covering, and excavating earth - - - - - | Levi Rice - | Robbinston, Maine - | June 29 |
| Rice, barley, &c. hulling, cleaning and polishing - | Theodore F. Strong, and Marcus T. Moody - | Northampton, Mass. - | April 26 |
| Rice, hulling and polishing - - - - - | John W. Walker - | Madison, Geo. - | December 16 |
| Straw, hay, &c., machine for cutting - - - - - | James Luckey - | New York - | March 9 |
| Straw cutter - - - - - | Benjamin R. Greene - | Warwick, R. I. - | August 8 |
| Straw cutter - - - - - | Joshua Davis - | Marysville, Va. - | August 19 |
| Straw cutter - - - - - | Jonathan Howlet - | Greensboro, N. C. - | September 7 |
| Straw cutter - - - - - | Isaac Lewis - | Knoxville, Tenn. - | September 12 |
| Straw cutter - - - - - | William Mitchell - | Abbeville district, S. C. - | November 19 |
| Straw cutter - - - - - | John Shaw - | Philadelphia, Penn. - | November 19 |
| Straw cutter, hay, &c. (improv't on patent of Mar. 9, 1833) | James Luckey - | New York - | December 16 |
| Straw cutter - - - - - | James Secor - | Bristol, Penn. - | December 16 |
| Straw cutter - - - - - | John M. Tilford - | Rutherford county, N. C. - | December 31 |
| Thrashing machine, shelling corn and dressing flax - | Wrestcum P. Barton - | Batavia, New York - | February 28 |
| Thrashing machine and clover seed machine - - - - - | Stacy West - | Harford county, Md. - | March 1 |
| Thrashing machine - - - - - | John R. Wheeler - | Brighton, N. Y. - | April 9 |
| Thrashing machine, hanging the beaters - - - - - | Holdridge Dewey - | Norwich, Conn. - | April 27 |
| Thrashing machine, flying beater - - - - - | Hardin Branch - | New York - | May 9 |
| Thrashing machine - - - - - | Edmund Warren - | New York - | May 17 |
| Thrashing machine - - - - - | Stephen Norton - | New Lebanon, N. Y. - | June 29 |
| Thrashing machine, and hulling clover seed - - - - - | James Parsons, Jun. - | Rush, Penn. - | June 29 |
| Thrashing machine - - - - - | Daniel A. Webster - | New York - | June 29 |
| Thrashing machine - - - - - | Benjamin Hinkley - | Fayette, Maine - | July 23 |
| Thrashing machine - - - - - | Jeremiah Fisk - | Weld, Maine - | September 9 |
| Thrashing machine - - - - - | Linus Yale and Philo C. Curtis - | Utica, N. Y. - | September 17 |

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|--|--|---------------------------|--------------|
| Thrashing machine, cylinder and concave of | James Hart and Walter Holladay | Spottsylvania county, Va. | September 17 |
| Thrashing machine | David Porter | Boonsville, N. Y. | November 19 |
| Thrashing machine, spring beater, & breaking hemp and flax | Daniel A. Webster | New York | December 16 |
| Thrashing machine | Samuel Clark | New York | December 28 |
| Tobacco manufacturing, (patented April 3, 1827,) re-issued | John Allen, Jun. and Charles Geoghegan | Richmond, Va. | August 10 |
| Wheat, &c., rubbing | Samuel Ellicott, Nathaniel H. Ellicott, and William Ellicott | Ellicott's Mills, Md. | July 31 |

LIST OF PATENTEES—AGRICULTURE.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|--------------------------------------|--------------------------|---|------------------------|
| Anderson, Thos. A. | McMinn county, Ten. | Mowing machine, or machine for cutting and swarthing, or cutting and not swarthing, as they stand in the field, | 1833. |
| Atwood, Wm. and Daniel Hamblet | Cornish, N. H. | hemp, flax, wheat, rye, oats, &c. Ridge plough | June 29 December 24 |
| Allen, John, Jr. and Chas. Geoghegan | Richmond, Virginia | Manufacturing tobacco, (patented April 3, 1827) re-issued | August 10 |
| Bellinger, Edmund C. | Barnwell district, S. C. | Agricultural steam apparatus | November 19 |
| Brewster, Frederick | Burlington, Vermont | Poly share | January 24 |
| Barton, Wrestcum P. | Batavia, New York | Thrashing machine | February 28 |
| Branch, Hardin | New York | Thrashing machine, flying beater | May 9 |
| Correll, Israel | New Philadelphia, Ohio | Clover seed machine | December 31 |
| Carpenter, Michael | Lancaster, Penn. | Corn shelling machine | August 8 |
| Carter, Thomas | Saurin district, S. C. | Improvement to be attached to the common Gopher plough | December 16 |
| Clark, Samuel | New York | Thrashing machine | December 28 |
| Donnel, Samuel E. | Greensborough co., N. C. | Corn shelling machine | April 5 |
| Deaknye, John, | Petersburg, Virginia | Fan wheat | September 13 |
| Davis, Gideon | Georgetown, D. C. | Plough, (patented October 1, 1825) re-issued | March 6 |
| Donald, Wm. B. | Fairfield, Virginia | Plough, hinged wing, hill side | June 29 |

LIST OF PATENTEES—AGRICULTURE—Continued.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|--|----------------------------|--|--------------|
| | | | 1833. |
| Donnell, Lewis - | Jefferson township, Ohio - | Plough, - - - - | July 23 |
| Delano, Calvin - | Livermore, Maine - | Plough, reversing hill side - - - | July 5 |
| Davis, Joshua - | Marysville, Virginia - | Straw cutter - - - - | August 19 |
| Dewey, Holdridge - | Norwich, Conn. - | Thrashing machine, hanging the beaters - - | April 27. |
| Elliott, Frederick - | Greensboro', N. C. - | Corn sheller - - - - | November 19 |
| Evans, Sarah, executrix, and John McFaden, exe- cutor of George Evans, deceased - | Pittsburg, Penn. - | Plough - - - - | September 18 |
| Ellicott, Samuel, Ellicott, Nathaniel H., and Elli- cott, William - | Ellicott's mills, Md. - | Wheat &c., rubbing machine - - - | July 31 |
| Furbish, Webber - | Hallowell, Maine - | Corn breaking machine - - - | March 15 |
| Furbish, Webber - | Hallowell, Maine - | Corn breaking machine, (pat'd March 15, 1833) re-issued | December 26 |
| Fisk, Jeremiah - | Weld, Maine - | Thrashing machine - - - | September 9 |
| Gollogher, Thomas - | Fairfield county, Ohio - | Clover seed machine for hulling - - - | February 28 |
| Gans, Jacob - | Fayette county, Penn. - | Clover seed machine for hulling - - - | March 12 |
| Goodman, John G., and William S. McDonald - | Wilson county, Ten. - | Cotton planter - - - - | June 29 |
| Greene, Benjamin R. - | Warwick, R. I. - | Straw cutter - - - - | August 8 |
| Hayden, Noah G. - | Harrodsburgh, Ken. - | Flax and hemp breaking and thrashing machine - - | April 12 |
| Hawley, Hezekiah - | Louisville, Ken. - | Flax and hemp dressing machine - - - | June 4 |
| Hawley, Hezekiah - | Louisville, Ken. - | Flax and hemp cleaning, softening, separating, and shorten- ing the staples or fibres - - - | June 29 |
| Hamilton, Wm. A. - | Albany, N. Y. - | Fodder machine for cutting hay, straw, potatoes, &c. - - | November 19 |
| Hussey, Obed - | Cincinnati, Ohio - | Grain of all kinds, reaping and cutting - - - | December 31 |
| Harper, George - | Montgomery county, Penn. - | Hoes - - - - | November 19 |
| Heath, Richard - | West Newbury, Mass. - | Mowing machine - - - - | April 26 |
| Hastings, Peter - | Dagsborough, Del. - | Plough, improvement on Barnard's - - - | December 19 |
| Howlet, Jonathan - | Greensborough, N. C. - | Straw cutter - - - - | September 7 |

| | | | | | | |
|---|---|---------------------------|---|---|---|--------------|
| Hinkley, Benjamin | - | Fayette, Me. | - | Thrashing machine | - | July 23 |
| Hart, James, and Walter Holladay | - | Spottsylvania county, Va. | - | Thrashing machine, cylinder and concave of | - | September 17 |
| Johnson, Lancelot | - | Madison, Geo. | - | Cotton seed hulling | - | May 29 |
| Keck, Leonard | - | Tyrone township, Penn. | - | Clover seed machine | - | December 16 |
| Kuhn, Wm., Geo. Hassinger, & Wm. Stiles | - | Union county, Penn. | - | Clover seed machine | - | December 24 |
| Kelly, Elisha | - | Bainbridge, Ohio | - | Plough, | - | August 26 |
| Landes, Christian | - | Mount Sidney, Va. | - | Clover seed machine | - | December 24 |
| Luckey, James | - | New York | - | Straw, hay, &c., machine for cutting | - | March 9 |
| Lewis, Isaac | - | Knoxville, Tenn. | - | Straw cutter | - | September 12 |
| Luckey, James | - | New York | - | Straw, hay, &c. cutting, improvement on, (pat. Mar. 9, 1833,) | - | December 16 |
| Mixon, Noel | - | Madison, Geo. | - | Cotton seed, rice, &c. machine | - | December 20 |
| McCormick, Cyrus H. | - | Rockbridge county, Va. | - | Plough, self-sharpening horizontal | - | November 19 |
| Mitchell, Wm. | - | Abbeville district, S. C. | - | Straw cutter | - | November 19 |
| Norton, Stephen | - | New Lebanon, N. Y. | - | Thrashing machine | - | June 29 |
| Pratt, Cyprian S. | - | Paris, Me. | - | Apples, paring and quartering | - | December 28 |
| Peachey, Henry | - | Washington, D. C. | - | Plough, construction and action of the mould board | - | April 5 |
| Parsons, James, Jun. | - | Rush, Penn. | - | Thrashing machine and hulling clover seed | - | June 29 |
| Porter, David | - | Boonville, N. Y. | - | Thrashing machine | - | November 19 |
| Rittenhouse, Robert | - | Amwell township, Penn. | - | Clover seed and corn shelling machine | - | March 19 |
| Robbins, Hildreth | - | Wilton, Me. | - | Clover seed machine | - | September 6 |
| Rider, Elisha | - | Lovingston, Va. | - | Clover seed machine | - | December 28 |
| Ross, John | - | Boundbrook, N. J. | - | Corn sheller | - | April 12 |
| Reichard, John | - | Guilford township, Penn. | - | Cultivator, seeding | - | December 16 |
| Russell, Amos, and Noah Davis | - | Syracuse, N. Y. | - | Fodder machine for cutting hay, straw, potatoes, &c. | - | November 19 |
| Rice Levi | - | Robbinston, Me. | - | Potatoes, furrowing, dropping, covering, &c. | - | June 29 |
| Spring, Thomas | - | Granby, Conn. | - | Bogs and bushes, machine for cutting | - | April 27 |
| Strong, Charles H., and Edward A. Sterry | - | Norwich, Conn. | - | Hoes | - | January 5 |
| Schnebly, Wm., & Thomas Speihlman, Henry, and Daniel Miller | - | Hagerstown, Md. | - | Mowing machine | - | August 22 |
| Sharp, Jos. P. | - | Lancaster, Pa. | - | Plough | - | March 25 |
| Strong, Theodore F., and Marcus T. Moody | - | Geneseo, N. Y. | - | Plough | - | December 20 |
| Shaw, John | - | Northampton, Mass. | - | Rice, barley, &c. hulling, cleaning, and polishing, | - | April 26 |
| | - | Philadelphia, Pa. | - | Straw cutter | - | November 19 |

LIST OF PATENTEES.—AGRICULTURE—Continued.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---|----------------------------|---|--------------|
| | | | 1833. |
| Secor, James - | Bristol, Pa. - | Straw cutter - - - - | December 16 |
| Taylor, Charles B. - | Bainbridge, Ohio - | Plough - - - - | August 23 |
| Taylor, Anthony - | Green township, Ohio - | Plough, cast iron - - - | December 26 |
| Tilford, John M. - | Rutherford county, N. C. - | Straw cutter - - - - | December 31 |
| Whittemore, Wm., and Whittemore, Wm. Jr. - | West Cambridge, Mass. - | Cotton seed separating by a roller gin - - - | March 21 |
| Wells, Nathan - | Milford, Pa. - | Fanning mill - - - - | September 11 |
| Westerman, Jos. and Westerman, Jas. - | New York - | Flax and hemp, silk tow, wool, &c. combing and hackling - - - | August 14 |
| Wingate, Francis - | Hallowell, Me. - | Hay and grain covering - - - - | March 19 |
| Walker, John W. - | Madison, Geo. - | Rice hulling and polishing - - - - | December 16 |
| West, Stacy - | Harford county, Md. - | Thrashing machine and clover-seed machine - - - | March 1 |
| Wheeler, John R. - | Brighton, N. Y. - | Thrashing-machine - - - - | April 9 |
| Warren, Edmund - | New York - | Thrashing-machine - - - - | May 17 |
| Webster, Daniel A. - | New York - | Thrashing-machine - - - - | June 29 |
| Webster, Daniel A. - | New York - | Thrashing-machine, spring beater, and breaking hemp - - - | December 16 |
| Yale, Linus, and Philo C. Curtis - | Utica, N. Y. - | Thrashing-machine - - - - | September 17 |
| Zellnor, Arnold - | Pulaski, Ten. - | Flax and hemp breaking and cleaning - - - | July 26 |

LIST OF PATENTS—FACTORY MACHINERY.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|-------------------------------|--------------------------|--------------|
| | | | 1833. |
| Axes, manufacturing, forming the eyes | Milton D. Whipple | Douglas, Mass. | January 31 |
| Axes, forging | David Hinman | Canton, Conn. | June 29 |
| Axes, forging | Erastus Shaw | Canton, Conn. | June 29 |
| Axes, making hoes, scythes, pitchforks, &c. | Luther Olds | Onconta, New York | July 9 |
| Axes, making hoes, scythes, pitchforks, &c. | Joseph P. Hazard | Washington county, R. I. | August 9 |
| Axes, making hoes, scythes, pitchforks, &c. | John F. Mackie | N. York | November 19 |
| Auger, screw | Peregrine Williamson | New York | September 9 |
| Bands, contracting, wrought iron | Edward Cooper | Richmond, Virginia | March 16 |
| Bands, guiding endless belts, or aprons | Samuel Sawyer | Boston, Mass. | March 30 |
| Bells, mode of hanging | Seth Fuller | Boston, Mass. | December 26 |
| Bobbin, cotton spool | Nathaniel Rider | Milbury, Mass. | December 31 |
| Buttons, dead-eyed wood | De Grasse Fowler | New Branford, Conn. | May 8 |
| Cans, for manufacturing cotton, flax, &c. | Horatio Moses | Paterson, N. J. | March 12 |
| Candles, composition for, and mode of making | Philip Farrell | New York | December 16 |
| Cap, used as a substitute for flyers in Danforth's filling frame | Joseph Ripka | Manayunk, Penn. | July 31 |
| Carding wool | John Boynton | South Coventry, Conn. | March 11 |
| Carding wool, cotton, &c. | David Adams | Richmond, Virginia | July 27 |
| Carding cotton engine | W. B. Leonard | Fishkill, New York | September 16 |
| Castor, globe | Walter Hunt | New York | April 22 |
| Chest, iron, fire-proof | Charles J. Gayler | New York | April 12 |
| Chisel, cutting and clearing | George Page | Keene, N. H. | August 14 |
| Cloth, woollen and cotton dressing | Calvin W. Cook | Lowell, Mass. | May 20 |
| Cloth, woollen dressing | Stephen R. Parkhurst | Mendon, Mass. | December 23 |
| Cordage, making | John Drummond | Brooklyn, New York | July 22 |
| Cotton ginning and cleaning | Samuel Sawyer | Boston, Mass. | March 30 |
| Cotton ginning and cleaning, by a combination of rolls | Samuel Sawyer | Boston, Mass. | March 30 |
| Cotton wadding manufacturing | John Park and William S. Peck | Westmoreland, N. Y. | July 10 |
| Cotton gin, Jackson | James Lynch | Tuscaloosa, Alabama | July 22 |
| Cotton rail-way, drawing head for | William B. Leonard | Fishkill, New York | September 16 |

LIST OF PATENTS—FACTORY MACHINERY—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|---|--------------------------|--------------|
| | | | 1833. |
| Edging, tin plate, sheet-iron, sheathing copper, &c. | Charles F. Fisher | York, Penn. | February 28 |
| Felt washer | William Cole | Lee, Mass. | January 23 |
| Flyers, for flax spinning wheels | James Wilson | Monroe county, Kentucky | February 16 |
| Glass blowing machine | Joseph Stouvenel and Francis A. Martin | Philadelphia, Penn. | September 16 |
| Glass, knobs | Theodore T. Abbot | Canton, Mass. | November 19 |
| Hinges, butt, manufacturing | Henry P. Anderson and Josiah Sawyer | Waterford, New York | June 18 |
| Hinges, butt, manufacturing, table | Humphrey Treadwell | Hyde Park, New York | December 31 |
| Iron, cutting, punching, and slitting | John V. Buskark | Norwalk, Ohio | April 6 |
| Iron, manufacturing in two processes, called puddling and heating | William Jones | Haversham, New York | December 16 |
| Iron and steel manufacturing, by applying antiracite coal | P. W. Geissenhainer | New York | December 19 |
| Iron and steel manufacturing, by rolling | Rufus W. Bangs and S. W. Walbridge | Bennington, Vermont | December 31 |
| Lock, perplexing, unpickable | J. C. L. Daubreville | Ramapo, New York | May 13 |
| Lock, door, (patented May 18, 1832,) reissued | James Kyle | Ramapo, New York | September 16 |
| Lock, door, improvement on patent, of May 18, 1832 | James Kyle | Ramapo, New York | September 16 |
| Lock, door, | Wm. Parr and James F. Fowler | New York, N. Y. | November 19 |
| Lock, door, escutcheon, latch and bolt | Philos Blake, Eli W. Blake, and John A. Blake | New Haven, Connecticut | December 31 |
| Loom, broad power | John Leland | Milbury, Massachusetts | March 9 |
| Mule, head | Henry Hopkins | Providence, Rhode Island | February 22 |
| Nails, spikes, grooved and flanged | Thomas W. Harvey | Jamestown, New York | September 13 |
| Nails, horseshoe and others, cutting from bars of iron | Edward Rolph | N. Providence, R. I. | September 16 |
| Napping cloth | Eliakim Benham | Roxbury, Massachusetts | January 22 |
| Paper for walls | James P. Howland and Alfred Griswold | Muncey, Pennsylvania | August 10 |

Paper, sizing -
 Pencils, metallic, slides and cases, for ever pointed -
 Picker and lap machine for manufacturing cotton, -
 Pipes, manufacturing leaden -
 Pulp washing machine -
 Pulp sifter -
 Rivets, cooper's, manufacturing -
 Rivets, and heading screws, &c. -
 Rolls, combining with a connecting belt, whereby fleece or
 skin wool may be strained over a surface that burs, &c.
 may be knocked off -
 Rolling metallic plates, with projections thereon, -
 Ropes, forming and laying -
 Roving, or roping cotton, -
 Spinning, cotton yarn and thread -
 Spindle, flyer and bobbin -
 Saw, circular -
 Saw, sett -
 Screws and nuts, cutting the flutes and threads -
 Screw heads and rivets, cutting and punching metals, -
 Silk, machine for spinning -
 Spectacles, constructing -
 Speeder, cotton -
 Spinning cotton and building cops, on a bare spindle, -
 Spinning cotton, revolving spinner, -
 Spooling cotton roving -
 Screws, wood manufacturing (patented Ap. 1, 1831) reissued -
 Spoons, mould for casting metal -
 Temple, for weaving -
 Temple, Ewell -
 Tin plate ware, (wiring machine) -
 Tires and-hoops, punching and bending -
 Tread-wheel, for applying horse power, &c. -
 Wadding, cotton glazing -
 Wool, clearing of burs -

Edmond Blake -
 James Bogardus, -
 Jesse Whitehead, -
 George W. Potter -
 Francis Goucher -
 Sidney A. Sweet -
 Timothy Allen -
 Thomas W. Harvey -
 Samuel Sawyer -
 Robert Rittenhouse -
 George Bradley -
 Lucilius H. Mosely -
 John A. Bradshaw -
 Thomas Godden -
 Levi Hitchcock -
 William Hinds -
 Alexander Patton -
 Enoch Scott -
 Adam Brooks -
 Joseph Richards -
 Luman Parmelee -
 John L. Eddy -
 Welcome A. Potter -
 William H. Elliott -
 Hazard Knowles -
 Thomas Mix -
 Peter Newell -
 C. T. K. Rollins -
 Edward M. Converse -
 William Hinds -
 Alanson Coats -
 Stukely Turner -
 Samuel Couillard, Jun: -

Alstead, New Hampshire -
 New York, N. Y. -
 Godwinville, New Jersey -
 Otsego, New York -
 Chester county, Penn. -
 Tyringham, Massachusetts -
 Plymouth, Massachusetts -
 Jamestown, New York -
 Boston, Massachusetts -
 Amwell township, Pa. -
 Fishkill, New York -
 Lisbon, Connecticut -
 Foxborough, Massachusetts -
 Saddle river township, N. J. -
 Springfield, Massachusetts -
 Otsego, New York -
 Columbus, Ohio -
 Monroe county, N. Y. -
 Scituate, Mass. -
 New York, -
 Poughkeepsie, New York -
 Killingly, Connecticut -
 Cranston, Rhode Island -
 Leicester, Massachusetts -
 Colchester, Connecticut -
 Cheshire, Connecticut -
 Waterford, New York -
 Lowell, Massachusetts -
 Southington, Connecticut -
 Springfield, New York -
 Truxton, New York -
 Cranston, Rhode Island -
 Boston, Massachusetts -

November 19
 September 17
 July 22
 March 23
 April 12
 December 31
 February 28
 June 29
 March 30
 March 19
 December 16
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 March 7
 January 23
 July 25
 March 30

BEST AVAILABLE COPY

LIST OF PATENTEES—FACTORY MACHINERY.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---|-----------------------|--|--------------|
| | | | 1833. |
| Adams, David | Richmond, Va. | Carding, wool, cotton, &c. | July 27 |
| Abbot, Theodore T. | Canton, Mass. | Glass knobs | November 19 |
| Anderson, Henry P., and Josiah Sawyer, | Waterford, N. Y. | Hinges, butt, manufacturing' | June 18 |
| Allen, Timothy, | Plymouth, Mass. | Rivets, coopers', manufacturing | February 28 |
| Boynton, John | South Coventry, Conn. | Carding, wool | March 11 |
| Buskark, John V. | Norwalk, Ohio, | Iron, cutting, punching, and slitting | April 6 |
| Bangs, Rufus W. and S. W. Walbridge, | Bennington, Vt. | Iron and steel rolling | December 31 |
| Blake, Philos. Blake, Eli W., and Blake, John A. | New Haven, Conn. | Lock, escutcheon, latch and bolt | December 31 |
| Benham, Eliakim | Roxbury, Mass. | Napping cloth | January 22 |
| Blake, Edmund | Alstead, N. H. | Paper sizing | November 19 |
| Bogardus, James | New York | Pencils, metallic slides and cases, for ever pointed | September 17 |
| Bradley, George | Fishkill, N. Y. | Ropes, forming and laying, | December 16 |
| Brooks, Adam | Scituate, Mass. | Silk, machine for spinning | June 29 |
| Bradshaw, John A. | Foxborough, Mass. | Spinning cotton, yarn, and thread | January 18 |
| Cooper, Edward | Richmond, Va. | Bands, contracting, wrought iron | March 16 |
| Cook, Calvin W. | Lowell, Mass. | Cloth, woollen, and cotton dressing. | May 20 |
| Cole, William | Lee, Mass. | Felt washer | January 23 |
| Converse, Edward M. | Southington, Conn. | Tin plate ware, (wiring machine) | November 19 |
| Coats, Alanson, | Truxton, N. Y. | Tread-wheel for applying horse power | January 23 |
| Couillard, Samuel, Jun. | Boston, Mass. | Wool, clearing of burs | March 30 |
| Drummond, John | Brooklyn, N. Y. | Cordage, making | July 22 |
| Daubréville, J. C. L. | Ramapo, N. Y. | Lock, perplexing, unpickable | May 13 |
| Eddy, John L. | Killingly, Conn. | Spinning cotton, and building cops on a bare spindle | November 19 |
| Elliott, William H. | Leicester, Mass. | Spooling, cotton roving | December 28 |
| Fowler, Seth | Boston, Mass. | Bells, mode of hanging | December 26 |
| Farrel, Philip | New York | Candles, composition for, and mode of making | December 16 |
| Fowler, De Grasse | N. Branford, Conn. | Buttons, dead eyed, wood | May 8 |

| | | | | | | |
|---|---|-----------------------------|---|--|---|--------------|
| Fisher, Charles F. | - | York, Penn. | - | Edging, tin plate sheet iron, sheathing copper, &c. | - | February 28 |
| Gayler, Charles J. | - | New York | - | Chest, iron, fire proof | - | April 12 |
| Geissenhainer, F. W. | - | New York | - | Iron and steel manufacturing, by applying anthracite coal | - | December 19 |
| Goucher, Francis | - | Chester county, Penn. | - | Pulp washing machine | - | April 12 |
| Godden, Thomas | - | Saddle River towns'p, N. J. | - | Spindle, flyer and bobbin | - | February 11 |
| Hinman, David | - | Canton, Conn. | - | Axes, forging | - | June 29 |
| Hazard, Joseph P. | - | Washington county, R. I. | - | Axes, manufacturing | - | August 9 |
| Hunt, Walter | - | New York | - | Castor globe | - | April 22 |
| Hopkins, Henry | - | Providence, R. I. | - | Mule head | - | February 22 |
| Harvey, Thomas W. | - | Jamestown, N. Y. | - | Nails, spikes, grooved and flanged | - | September 13 |
| Howland, James P., and Alfred Griswold | - | Muncy, Penn. | - | Paper for walls | - | August 10 |
| Harvey, Thomas W. | - | Jamestown, N. Y. | - | Rivets, and heading screws, &c. | - | June 29 |
| Hitchcock, Levi | - | Springfield, Mass. | - | Saw, circular | - | June 29 |
| Hinds, William | - | Otsego, N. Y. | - | Saw, sett | - | August 12 |
| Hinds, William | - | Springfield, N. Y. | - | Tires and hoops, punching and bending | - | March 7 |
| Jones, William | - | Haversham, N. Y. | - | Iron, manufacturing, in two processes, called puddling and heating | - | December 16 |
| Kyle, James | - | Ramapo, N. Y. | - | Lock, door, (patented May 18, 1832,) reissued | - | September 16 |
| Kyle, James | - | Ramapo, N. Y. | - | Lock, door, improvement on patent of May 18, 1832 | - | September 16 |
| Knowles, Hazard | - | Colchester, Conn. | - | Screws, wooden, (patented April 1, 1831) reissued | - | March 1 |
| Leonard, William B. | - | Fishkill, N. Y. | - | Carding, cotton, engine | - | September 16 |
| Lynch, James | - | Tuscaloosa, Ala. | - | Cotton gin, Jackson | - | July 22 |
| Leonard, William B. | - | Fishkill, N. Y. | - | Cotton, rail way, drawing head for | - | September 16 |
| Leland, John | - | Milbury, Mass. | - | Loom, broad power | - | March 9 |
| Mackie, John F. | - | New York | - | Axes, manufacturing | - | November 19 |
| Moses, Horatio | - | Paterson, N. J. | - | Cans, for manufacturing cotton, flax, &c. | - | March 12 |
| Moseley, Lucilius H. | - | Lisbon, Conn. | - | Roving, or roping cotton | - | November 19 |
| Mix, Thomas | - | Cheshire, Conn. | - | Spoons, moulds for casting metal | - | March 5 |
| Newell, Peter | - | Waterford, N. Y. | - | Temple for weaving | - | January 5 |
| Olds, Luther | - | Onconta, N. Y. | - | Axes, hoes, scythes, pitchforks, &c. | - | July 9 |
| Page, George | - | Keene, N. H. | - | Chisel, cutting and clearing | - | August 14 |
| Parkhurst, Stephen R. | - | Mendon, Mass. | - | Cloth, woollen, dressing | - | December 23 |
| Park, John and William S. Peck | - | Westmoreland, N. Y. | - | Cotton wadding manufacturing | - | July 16 |
| Parr, William and James F. Fowler | - | New York | - | Lock, door | - | November 19 |
| Potter, George W. | - | Otsego, N. Y. | - | Pipes, manufacturing leaden | - | March 23 |

LIST OF PATENTEES—FACTORY MACHINERY.—Continued.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---|------------------------|---|--------------|
| | | | 1833. |
| Patton, Alexander | Columbus, Ohio | Screws and nuts, cutting the flutes and threads | March 21 |
| Parmalee, Luman | Poughkeepsie, N. Y. | Speeder, cotton | August 29 |
| Potter, Welcome A. | Cranston, R. I. | Spinning cotton, revolving spinner | December 16 |
| Rider, Nathaniel | Millbury, Mass. | Bobbin, cotton spool | December 31 |
| Ripka, Joseph | Manayunk, Penn. | Cap, used as a substitute for flyers, in Danforth's frame | July 31 |
| Rolph, Edward | N. Providence, R. I. | Nails, horseshoe, and others, cutting from bars of iron | September 16 |
| Rittenhouse, Robert | Amwell township, Penn. | Rolling metallic plates with projections thereon | March 19 |
| Richards, Joseph | New York | Spectacles | December 16 |
| Rollins, C. T. K. | Lowell, Mass. | Temple ewell | August 30 |
| Shaw, Erastus | Canton, Conn. | Axes, forging | June 29 |
| Sawyer, Samuel | Boston, Mass. | Bands, guiding endless belts, or aprons | March 30 |
| Sawyer, Samuel | Boston, Mass. | Cotton, ginning and cleaning | March 30 |
| Sawyer, Samuel | Boston, Mass. | Cotton, ginning and cleaning by a combination of rolls | March 30 |
| Stouvenel, Joseph and Francis A. Martin | Philadelphia, Penn. | Glass blowing machine | September 16 |
| Sweet, Samuel A. | Tyringham, Mass. | Pulp sifter | December 31 |
| Sawyer, Samuel | Boston, Mass. | Rolls combining with a connecting belt, whereby fleece or skin wool may be strained over a surface, that burs, &c. may be knocked off | March 30 |
| Scott, Enoch | Monroe county, N. Y. | Screw heads and rivets, cutting and punching metals | December 26 |
| Treadwell, Humphry | Hyde Parke, N. Y. | Hinge, table butt | December 31 |
| Turner, Stukely | Cranston, R. I. | Wadding cotton, glazing | July 25 |
| Whipple, Milton D. | Douglas, Mas. | Axes, forming the eyes | January 31 |
| Williamson, Peregrine | New York | Auger, screw | September 9 |
| Wilson, James | Monroe county, Ky. | Flyers, for flax spinning machines | February 16 |
| Whitehead, Jesse | Godwinville, N. J. | Picker and lap machine, for manufacturing cotton | July 22 |

LISTS OF PATENTS—COMMON TRADES.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|---|--------------------------|--------------|
| | | | 1833. |
| Awl sockets, and other tools - - - - | Herrick Aiken - | Dracut, Mass. - | December 16 |
| Baskets, making splits for - - - - | Joseph L. Borden - | Shrewsbury, N. J. - | June 29 |
| Bed-bugs, destroying by steam - - - - | Thomas Miller - | Newburgh, N. Y. - | November 19 |
| Bedsteads - - - - - | Gideon Vaughan, Jun. - | Philadelphia, Penn. - | September 18 |
| Bedsteads, fastenings - - - - - | George Porter - | Cincinnati, Ohio - | December 30 |
| Bedsteads - - - - - | Isaac Eaton - | Mount Gilead, Va. - | December 31 |
| Boards, dovetailing - - - - - | Ari Davis - | Lancaster, Mass. - | September 6 |
| Boots or shoes, gum elastic attaching soles - - - - | Nathaniel Ruggles - | Bridgeport, Conn. - | February 20 |
| Boots or shoes, pegged - - - - - | Samuel Preston - | Danvers, Mass. - | March 8 |
| Boots or shoes, attaching soles by means of caoutchouc - | Samuel D. Breed - | Philadelphia, Penn. - | April 4 |
| Boots or shoes, manufacturing from skins with the hair on | Stephen H. Brown, Ed- mund Brown, and Henry Whitman | Norfolk, Conn. - | April 16 |
| Boots or shoes, manufacturing - - - - - | Solomon Gerhard and Joseph Vanneman - | Camden, N. J. - | July 26 |
| Boots, crimping - - - - - | Dimon B. Barnum - | New Fairfield, Conn. - | August 5 |
| Borer, compound slide and groove - - - - - | Zebadiah Holt - | Chelmsford, Mass. - | May 27 |
| Bricks, manufacturing - - - - - | Richard Roberts - | Berlin township, Ohio - | March 2 |
| Bricks, striking - - - - - | Andrew W. Duty - | Sangerfield, N. Y. - | March 7 |
| Bricks, pressing and finishing - - - - - | Charles Hinkle - | Allentown, Penn. - | June 1 |
| Bricks, mortar for making them water and fire proof - | Thomas H. Sherman - | Scriba, N. Y. - | December 30 |
| Bridle, check and brace - - - - - | William F. Pendleton - | King and Queen co. Va. - | February 20 |
| Buildings, roofing with tin, &c. - - - - - | Andrew Gandois, and John Swales - | Petersburg, Va. - | January 5 |
| Bungs, machine for cutting - - - - - | Robert Barlow - | Philadelphia, Pa. - | June 29 |
| Calash, balloon, or hat case for ladies - - - - - | Harriet Cook - | Onondaga, N. Y. - | February 20 |
| Churns - - - - - | Webber Furber - | Hallowell, Me. - | March 6 |
| Churns - - - - - | Thomas Thorne - | Clinton, N. Y. - | April 12 |
| Churns, machinery for working them - - - - - | Philo B. Pratt - | Kent, Conn. - | July 22 |
| Churns - - - - - | Warren Estabrook - | Salem, Ohio - | November 19 |

LIST OF PATENTS—COMMON TRADES—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|--|------------------------------|--------------|
| Churns - - - - - | Uriah L. Clark - | Manor township, Penn. - | December 31 |
| Churns - - - - - | Iram Brewster - | Blenheim, N. Y. - | December 31 |
| Clap boards, machine - - - - - | Daniel Newton - | Dalton, N. H. - | January 31 |
| Clay, machine for breaking - - - - - | Nathaniel Boynton - | Danville, Vt. - | February 27 |
| Clay, machine for tempering and preparing - - - - - | Nathaniel Adams - | Cornwall, N. Y. - | December 16 |
| Collars, for horses - - - - - | Horace Holton - | Rochester, N. Y. - | May 16 |
| Collars, Belvidere shirt - - - - - | Wm. J. Cantelo and Robert M. Kerrison - | Philadelphia, Penn. - | November 19 |
| Crackers, machine for cutting - - - - - | George M. Kendall - | Catskill, N. Y. - | May 3 |
| Crackers, moulding - - - - - | Joshua G. Driscoll - | Auburn, N. Y. - | November 19 |
| Crackers, biscuit, &c. cutting, (patented September 13, 1830,) re-issued - - - - - | Joseph Clarke and Henry Henderson - | Philadelphia, Penn. - | September 18 |
| Elevating brick, stone, and mortar - - - - - | Charles G. Fairman - | Lewiston, N. Y. - | December 16 |
| Fence posts - - - - - | Henry Vail - | Cortland, N. Y. - | February 1 |
| Flesh, fruit, &c. machinery for cutting - - - - - | Joseph Buffington - | Chester, Penn. - | July 5 |
| Garments measuring for - - - - - | James Mendenhall - | West Chester, Penn. - | April 16 |
| Garments measuring for - - - - - | C. W. M. Bacon - | New York - | April 20 |
| Garments, measuring and cutting - - - - - | James G. Wilson - | New York - | May 3 |
| Garments, measuring, or the art of tailoring - - - - - | Daniel Williams - | New York - | May 22 |
| Garments, marking off and cutting out - - - - - | George Beard, Jun. - | W. Whiteland township, Pa. - | August 5 |
| Garments, marking off and cutting out - - - - - | Benjamin J. Lewis - | Mt. Vernon, Ohio - | November 19 |
| Grinding tools, hammers, sod irons, &c. - - - - - | Daniel Welch - | Canaan, New Hampshire - | January 10 |
| Grooving machine - - - - - | David D. Hanson - | Ware, New Hampshire - | June 29 |
| Grooving machine and planing bit - - - - - | John Shugert - | Laurenceville, Penn. - | November 19 |
| Hammer, swedge spring - - - - - | William Field - | North Providence, R. I. - | September 14 |
| Harness, safety - - - - - | Charles Rogers - | Baltimore, Maryland - | July 22 |
| Hoops, making - - - - - | Moses Granger - | Utica, New York - | December 31 |
| Inkstands - - - - - | Ezra Southworth - | Saybrook, Connecticut - | June 29 |
| Knife, currying - - - - - | Thomas C. Barr - | Clark county, Ken. - | January 28 |
| Knife, currying, tempering - - - - - | Daniel S. Delano - | Cornwall, Connecticut - | April 6 |

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| Knife, currying | John Glenn and John Herd | Urbanna, Ohio | December 16 |
| Knife, shoe | Ira Hatch | Essex, Vermont | August 15 |
| Laths, machine for cutting | Orange H. Dibble | Evans, New York | January 22 |
| Laths, machine for cutting | James Mead and Aaron W. Pierson, executor of Wyllis Pierson, deceased. | Lebanon, Ohio | December 31 |
| Leather, machine for shaving | James Reilly | Waynesborough, Penn. | February 28 |
| Leather, machine for cutting | Joseph S. Bishop | Wayne, Maine | June 29 |
| Leather, machine for splitting | Joseph P. Shaw and John C. Briggs | Boston, Massachusetts | December 31 |
| Mangle, American or Domestic calender | Isaac Doelittle | Bennington, Vermont | February 1 |
| Marble and other stone, sawing, moulding and polishing | Isaac D. Kirk | Philadelphia, Penn. | February 26 |
| Marble, and other stone or wood, sawing | Charles B. Austin | Kensington, Penn. | December 24 |
| Mattress or seaman's bed | Israel Martin | Boston, Massachusetts | September 17 |
| Milk, preparing for butter and cheese | Calvin Ainsworth | Littleton, N. H. | November 19 |
| Mortising and boring stiles for doors, window blinds | David Hathaway | Troy, New York | February 5 |
| Mortising in wood | George Page | Keene, N. H. | March 13 |
| Mortising door stiles, &c. | Asaph Whitmarsh | East Bridgewater, Mass. | July 30 |
| Mortising machine | Joseph Dennis and Israel J. Richardson | Palmyra, New York | November 19 |
| Mortising machine | Henry Mellish | Walpole, N. H. | November 19 |
| Mortising machine | L. Sprague, M. Noyes, T. Lund, Jun. and J. Ayres | Dunstable, N. H. | November 19 |
| Pad, brace or stiffener for harness | Silas Lamson | Sterling, Massachusetts | January 5 |
| Pegging boots and shoes | Ava Woodruff | Westford, Massachusetts | September 6 |
| Planing machine | Benjamin Kugler | Philadelphia, Penn. | June 3 |
| Planing machine, jointing, tonguing, grooving &c. | James McGregor, Jun. | Wilton, New York, | August 28 |
| Razor strap | Elisha M. Pomeroy | Wallingford, Conn. | September 6 |
| Razor case, portable | Harvey Wright | Bristol, Connecticut | November 19 |
| Roofs, covering with sheet iron, tin, &c. | Charles Bonnycastle | Charlottesville, Va. | June 29 |
| Roofs, fire-proof soap clay covering | Hezekiah Steel | Hudson, N. Y. | June 29 |
| Saddle, elastic seat | Bushrod Smith | Romney, Virginia | August 24 |
| Sausage, machine for cutting | Samuel L. Hoar | Salisbury, Pennsylvania | February 1 |
| Sausage, machine for cutting | Joseph Wagner | Brunswick township, Pa. | March 19 |
| Sausage, machine for cutting | Louis Bayha and Frederick Rapp | Wheeling, Virginia | April 8 |

LIST OF PATENTEES—COMMON TRADES—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|---|---------------------------|--------------|
| | | | 1833. |
| Sawing round bodies for coopers' ware | Samuel Newton | Hamilton county, Ohio | June 29 |
| Scrubbing machine, | Thomas Rickey | Greenfield, Ohio | December 26 |
| Shingles, machine for shaving | Augustus R. Benjamin and Philo Bushnell | Hunter, New York | May 4 |
| Shingles, machine for making | John Bush | Tippacanoe county, Ind. | November 19 |
| Shingles, machine for staves, siding, laths, &c. | Richard Hunt | Carroll, New York | November 19 |
| Skins, deer dressing | Orin Kyes | Norwich, Connecticut | September 6 |
| Staves, sawing or rounding | Philip Cornell | Weedsport, New York | January 5 |
| Staves, saw for sawing | Summer King | Chittenango, New York | August 29 |
| Staves, dressing | Lemuel Read and Alfred Willoughby, | Rochester, New York | September 16 |
| Staves, cutting, shaving, and jointing | Ebenezer Gregg | Derry, New Hampshire | December 27 |
| Stand, wash | Ezra Ripley | Schenectady, New York | December 27 |
| Stocks, frames of hair | William Merriam | New Haven county, Conn. | March 14 |
| Straps for pantaloons | Enos Wilder | Boston, Massachusetts | November 19 |
| Striker for smithwork | Lewis Stipe | Stokes county, N. C. | September 6 |
| Tenons and shoulders cut on spokes of wheels | Pitner Emmitt | Hopewell, Pennsylvania | June 29 |
| Tenoning machine | Henry Mellish | Walpole, New Hampshire | November 19 |
| Tobacco, machine for cutting spun | Ashton Johnson, assignee of James Martin | Petersburg, Virginia | November 19 |
| Tobacco, machine for spinning | Ashton Johnson, assignee of James Martin | Petersburg, Virginia | November 19 |
| Tobacco, machine for manufacturing | John B. Rappelyea and Joel Barns | Covington, Connecticut | November 19 |
| Traps, for animals | Henry Adams | Erie county, Pennsylvania | August 10 |
| Washboard | Stephen Rust | Manlius, New York | February 9 |
| Washing machine | Eaton Wilber | Sullivan, New York | January 11 |
| Washing machine and churn | Oliver H. Brooks | E. Bethel, Vermont | March 11 |
| Washing machine | Larkin Smith | Guilford county, N. C. | April 25 |
| Washing machine | James B. Dunkin | Union, Virginia | May 15 |

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| Washing machine | Benjamin Hinkley | Fayette, Maine | July | 23 |
| Washing machine | George W. Wilson | Dunstable, N. H. | August | 7 |
| Washing machine | Samuel Swett, Jun. | Readfield, Maine, | September | 18 |
| Washing and fulling-machine | Bohan Dewey | Milton township, Ohio | November | 19 |
| Washing machine, universal band | Andrew Glendenning | Frankfort, Ind. | November | 19 |
| Water closets, portable | Edward Robinson | New York, | November | 19 |
| Window blinds, opening and shutting | Edwin Keith | Bridgewater, Mass. | January | 25 |
| Window sash blinds and pannel work machine | John Tichenor | Ithaca, New York, | March | 25 |
| Window frieze | Williams Woolley | New York. | August | 13 |
| Window sash manufacturing | Amos Miner | Elbridge, New York | November | 19 |

LIST OF PATENTEES—COMMON TRADES.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---|----------------------------|---|--------------|
| | | | 1833. |
| Aiken, Herrick | Dracut, Mass. | Awl sockets and other tools | December 16 |
| Adams, Nathaniel | Cornwall, N. Y. | Clay, machine for tempering and preparing | December 16 |
| Austin, Charles B. | Kensington, Penn. | Marble, stone, or wood sawing | December 24 |
| Ainsworth, Calvin | Littleton, N. H. | Milk, preparing for butter and cheese | November 19 |
| Adams, Henry | Erie county, Penn. | Traps for animals | August 10 |
| Borden, Jos. L. | Shrewsbury, N. J. | Baskets, making splits for | June 29 |
| Breed, Samuel D. | Philadelphia, Penn. | Boots or shoes, attaching soles by means of caoutchouc | April 4 |
| Brown, Stephen H., Edmund Brown, and H. Whitman | Norfolk, Conn. | Boots or shoes, manufacturing from skins with the hair on | April 16 |
| Barnum, Dimon B. | New Fairfield, Conn. | Boots, crimping | August 5 |
| Barlow, Robert | Philadelphia, Penn. | Bungs, machine for cutting | June 29 |
| Brewster, Iram | Blenheim, N. Y. | Churn | December 31 |
| Boynton, Nathaniel | Danville, Vt. | Clay, machine for breaking | February 27 |
| Buffington, Joseph | Chester, Penn. | Flesh, fruit, &c., machine for cutting | July 5 |
| Bacon, C. W. M. | New York | Garments, measuring for | April 20 |
| Beard, George, Jr. | W. Whiteland township, Pa. | Garments, marking off and cutting out | August 5 |

LIST OF PATENTEES—COMMON TRADES—Continued.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|--|--------------------------|---|--------------|
| | | | 1833. |
| Barr, Thomas C. | Clark county, Ken. | Knife, currying | January 28 |
| Bishop, Joseph S. | Wayne, Me. | Leather, machine for cutting, | June 29 |
| Bonnycastle, Charles | Charlottesville, Va. | Roofs, covering with sheet iron, tin, &c. | June 29 |
| Bayha, Louis, and Fred. Kapp | Wheeling, Va. | Sausages, machine for cutting | April 8 |
| Benjamin, Augustus R. | Hunter, N. Y. | Shingles, machine for shaving | May 4 |
| Philo Bushnell | Tippacanoe county, Inda. | Shingles, machine for making | November 19 |
| Bush, John | E. Bethel, Vermont | Washing machine and churn | March 11 |
| Brooks, Oliver H. | Onondaga, N. Y. | Calash, balloon or hat case for ladies | February 20 |
| Cook, Harriet | Manor township, Penn. | Churn, | December 31 |
| Clark, Uriah L. | | | |
| Cantelo, William J. and Robert M. Kerrison | Philadelphia, Penn. | Collars, Belvidere shirt | November 19 |
| Clark, Jos. and Henry Henderson | Philadelphia, Penn. | Crackers, biscuit, &c. cutting, pat'd Sep. 13, 1830, reissued | September 18 |
| Cornell, Philip | Weedsport, N. Y. | Staves, sawing or rounding | January 5 |
| Davis, Ari | Lancaster, Mass. | Boards, dovetailing | September 6 |
| Duty, Andrew W. | Sangerfield, N. Y. | Bricks, striking | March 7 |
| Driscoll, Joshua G. | Auburn, N. Y. | Crackers, moulding | November 19 |
| Delano, Daniel S. | Cornwall, Conn. | Knife, currying, tempering | April 6 |
| Dibble, Orange H. | Evans, N. Y. | Laths, machine for cutting | January 29 |
| Doolittle, Isaac | Bennington, Vt. | Mangle, American or Domestic calender | February 1 |
| Dennis, Joseph, and Israel J. Richardson | Palmyra, N. Y. | Mortising machine | November 19 |
| Dunkin, James B. | Union, Va. | Washing machine | May 15 |
| Dewey, Bohan | Milton township, Ohio | Washing and fulling machine | November 19 |
| Eaton, Isaac | Mount Gilead, Va. | Bedsteads | December 31 |
| Estabrook, Warren | Ohio | Churn | November 19 |
| Emmitt, Pitner | Hopewell, Penn. | Tenons and shoulders cut on spokes of wheels | June 29 |
| Furbish, Webber | Hallowell, Me. | Churn, | March 6 |

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| Fairman, Charles G. | Lewiston, N. Y. | Elevating brick, stone, and mortar | December 16 |
| Field, William | N. Providence, R. I. | Hammer, swedge spring | September 14 |
| Gandois, Andrew, and John Swales | Petersburg, Va. | Buildings, roofing with tin, &c. | January 5 |
| Gerhard, Solomon, and Joseph Vanneman | Camden, N. J. | Boots or shoes, manufacturing | July 26 |
| Granger, Moses; | Utica, N. Y. | Hoops, making | December 31 |
| Glenn, John, and John Herd | Urbana, Ohio | Knife, currying | December 16 |
| Gregg, Ebenezer | Derry, N. H. | Staves, cutting, shaving, and jointing | December 27 |
| Glendenning, Andrew | Frankfort, Indiana | Washing machine, universal band | November 19 |
| Holt, Zebadiah | Chelmsford, Mass. | Borer, compound slide and groove | May 27 |
| Hinkle, Charles | Allentown, Penn. | Bricks, pressing and finishing | June 1 |
| Holton, Horace | Rochester, New York | Collars for horses | May 16 |
| Hanson, David D. | Ware, N. H. | Grooving machine | June 29 |
| Hatch, Ira | Essex, Vermont | Knife, shoe | August 15 |
| Hathaway, David | Troy, New York | Mortising and boring stiles for doors, &c. | February 5 |
| Hoar, Samuel L. | Salisbury, Penn. | Sausage, machine for cutting | February 1 |
| Hunt, Richard | Carroll, New York | Shingles, staves, siding laths, &c. | November 19 |
| Hinkley, Benjamin | Fayette, Maine | Washing machine | July 23 |
| Johnson, Ashton, assig. of James Martin | Petersburg, Virginia | Tobacco, machine for cutting spun | November 19 |
| Johnson, Ashton, assig. of James Martin | Petersburg, Virginia | Tobacco, machine for spinning | November 19 |
| Kendall, George M. | Catskill, New York | Crackers, machine for cutting | May 3 |
| Kirk, Isaac D. | Philadelphia, Penn. | Marble and other stone, sawing, moulding, and polishing | February 26 |
| Kugler, Benjamin | Philadelphia, Penn. | Planing machine | June 3 |
| Kyes, Orin | Norwich, Conn. | Skins, deer, dressing | September 6 |
| King, Sumner | Chittenango, New York | Staves, saw for sawing | August 29 |
| Keith, Edwin | Bridgewater, Mass. | Window blinds, opening and shutting | January 25 |
| Lewis, Benjamin J. | Mount Vernon, Ohio | Garments, marking off and cutting off | November 19 |
| Lamson, Silas | Sterling, Mass. | Pad, brace, or stiffener for harness | January 5 |
| Miller, Thomas | Newburgh, New York | Bed bugs, destroying by steam | November 19 |
| Mendenhall, James | West Chester, Penn. | Measuring for garments | April 16 |
| Mead, James, and Aaron W. Pierson, ex'r of Wyllis Pierson, dec'd | Lebanon, Ohio | Laths, machine for cutting | December 31 |
| Mellish, Henry | Walpole, N. H. | Mortising machine | November 19 |

LIST OF PATENTEES—COMMON TRADES—Continued.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|-------------------------------------|-------------------------|---|--------------|
| | | | 1833. |
| McGregor, Jun., James | Wilton, New York | Planing, jointing, tonguing, grooving, &c. | August 28 |
| Merriam, William | New Haven county, Conn. | Stocks, frames of hair | March 14 |
| Mellish, Henry | Walpole, N. H. | Tenoning machine | November 19 |
| Miner, Amos | Elbridge, New York | Window sash manufacturing | November 19 |
| Martin, Israel | Boston, Mass. | Mattress, or seaman's bed | September 17 |
| Newton, Daniel | Dalton, N. H. | Clap board machine | January 31 |
| Newton, Samuel | Hamilton county, Ohio | Sawing round bodies for coopers' ware | June 29 |
| Porter, George | Cincinnati, Ohio | Bedstead fastenings | December 30 |
| Preston, Samuel | Danvers, Mass. | Boots or shoes, pegged | March 8 |
| Pendleton, William F. | King and Queen co., Va. | Bridle, check, and brace | February 20 |
| Pratt, Philo B. | Kent, Conn. | Churns, machinery for working them | July 22 |
| Page, George | Keene, N. H. | Mortising in wood | March 13 |
| Pomeroy, Elisha M. | Wallingford, Conn. | Razor strap | September 6 |
| Ruggles, Nathaniel | Bridgeport, Conn. | Boots or shoes, gum elastic attaching soles | February 20 |
| Roberts, Richard | Berlin township, Ohio | Bricks, manufacturing | March 2 |
| Rogers, Charles | Baltimore, Maryland | Harness safety | July 22 |
| Reilly, James | Waynesborough, Penn. | Leather, machine for shaving | February 28 |
| Rickey, Thomas | Greenfield, Ohio | Scrubbing machine | December 26 |
| Read, Lemuel, and Alfred Willoughby | Rochester, New York | Staves, dressing | September 16 |
| Ripley, Ezra | Schenectady, N. Y. | Stand, wash | December 27 |
| Rappelyea, John B., and Joel Barnes | Covington, Conn. | Tobacco, manufacturing | November 19 |
| Rust, Stephen | Manlius, N. Y. | Washboard | February 9 |
| Robinson, Edward | New York | Water closets, portable | November 19 |
| Sherman, Thomas H. | Scriba, New York | Bricks, mortar for making them water and fire proof | December 30 |
| Shugert, John | Lawrenceville, Penn. | Grooving and planing bit | November 19 |
| Southworth, Ezra | Saybrook, Conn. | Lukstands | June 29 |
| Shaw, Joseph P., and John C. Briggs | Boston, Mass. | Leather, machine for splitting | December 31 |

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| Sprague, L., M. Noyes, T. Lund, Jun., and J. Ayres | Dunstable, N. H. | Mortising and tenoning machine | November 19 |
| Steel, Hezekiah | Hudson, N. Y. | Roofs, fire proof soap clay covering | June 29 |
| Smith, Bushrod | Romney, Va. | Saddle, elastic seat | August 24 |
| Stipe, Lewis | Stokes county, N. C. | Striker for smith work | September 6 |
| Smith, Larkin | Guilford county, N. C. | Washing machine | April 25 |
| Swett, Samuel, Jr., | Readfield, Maine | Washing machine | September 18 |
| Thorne, Thomas | Clinton, N. Y. | Churn | April 12 |
| Tichanor, John | Ithaca, N. Y. | Window sash, blinds, and pannel work machine | March 25 |
| Vaughan, Gideon Jr., | Philadelphia, Penn. | Bedsteads | September 18 |
| Vail, Henry | Cortland, N. Y. | Fence posts | February 1 |
| Wilson, James G. | New York | Garments, measuring and cutting | May 3 |
| Williams, Daniel | New York | Garments, measuring, or the art of tailoring | May 22 |
| Welsh, Daniel | Canaan, N. H. | Grinding tools, hammers, sod irons, &c. | January 10 |
| Whitmarsh, Aseph | E. Bridgewater, Mass. | Mortising door stiles, &c. | July 30 |
| Woodruff, Ava | Westford, Mass. | Pegging boots and shoes | September 6 |
| Wright, Harvey | Bristol, Conn. | Razor case, portable | November 19 |
| Wagner, Joseph | Brunswick township, Pa. | Sausage, machine for cutting | March 19 |
| Wilder, Enos | Boston, Mass. | Straps for pantaloons | November 19 |
| Wilber, Eaton | Sullivan, N. Y. | Washing machine | January 11 |
| Wilson, George W. | Dunstable, N. H. | Washing machine | August 7 |
| Woolley, Williams | New York | Window frieze | August 13 |

LIST OF PATENTS—LAND WORKS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|---------------------|-----------------------|--------------|
| | | | 1833. |
| Bridges, constructing | August. Canfield | Patterson, New Jersey | June 29 |
| Cars, rail-road | Jonas P. Fairlamb | Philadelphia, Penn. | January 19 |
| Cars, rail-road, passenger | John Stephenson | New York | April 22 |
| Cars, rail-road, wheels for curved roads | Abel Look | Waterford, New York | December 31 |
| Fences, wire | Samuel F. Dexter | Auburn, New York | August 19 |

LIST OF PATENTS—LAND WORKS—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|---------------------|-----------------------|--------------|
| | | | 1833. |
| Grubbing machine, and for working on roads | Elias Fraser | Hector, New York | December 31 |
| Guide posts | Robert C. Manners | Boston, Massachusetts | August 13 |
| Locomotive and other engines for rail-roads | S. H. Long | Philadelphia, Penn. | January 17 |
| Platform, revolving, for rail-roads | John Elgar | Philadelphia, Penn. | April 12 |
| Rail chair, edge | William B. Mitchell | Philadelphia, Penn. | February 27 |
| Rail-roads, constructing | Elisha Johnson | Rochester, New York | November 19 |
| Roads, making | John S. Williams | Hamilton county, Ohio | June 29 |
| Roads, making | John Hartman | Scottsville, Virginia | June 29 |
| Streets, machine for sweeping | Levi Kidder | New York | September 20 |
| Wheels for locomotive engines, and cars for rail-roads | Matthias W. Baldwin | Philadelphia, Penn. | June 29 |
| Wheels for rail-road carriages | John Elgar | Philadelphia, Penn. | November 19 |
| Wheels for cars and locomotive engines | Ross Winans | Baltimore, Maryland | November 19 |

LIST OF PATENTEES—LAND WORKS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|----------------------|-----------------------|--|--------------|
| Baldwin, Matthias W. | Philadelphia, Penn. | Wheels for locomotive engines and cars | June 29 |
| Canfield, Augustus | Patterson, New Jersey | Bridges, constructing | June 29 |
| Dexter, Samuel F. | Auburn, New York | Fences, wire | August 19 |
| Elgar, John | Philadelphia, Penn. | Platform, revolving, for rail-roads | April 12 |
| Elgar, John | Philadelphia, Penn. | Wheels for rail-road carriages | November 19 |
| Fairlamb, Jonas P. | Philadelphia, Penn. | Cars, rail-road | January 19 |
| Fraser, Elias | Hector, New York | Grubbing machine, and for working on roads | December 31 |
| Hartman, John | Scottsville, Virginia | Roads, making | June 29 |

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|----------------------|---|-----------------------|---|---|---|---|--------------|
| Johnson, Elisha | - | Rochester, New York | - | Rail-roads, constructing | - | - | November 19 |
| Kidder, Levi | - | New York | - | Streets, machine for sweeping | - | - | September 20 |
| Look, Abel | - | Waterford, New York | - | Cars, rail-road, wheels for curved roads | - | - | December 31 |
| Long, S. H. | - | Philadelphia, Penn. | - | Locomotive and other engines for rail-roads | - | - | January 17 |
| Manners, Robert C. | - | Boston, Massachusetts | - | Guide posts | - | - | August 13 |
| Mitchell, William B. | - | Philadelphia, Penn. | - | Rail, chair edge | - | - | February 27 |
| Stephenson, John | - | New York | - | Rail-road cars, passenger | - | - | April 22 |
| Williams, John S. | - | Hamilton county, Ohio | - | Roads, making | - | - | June 29 |
| Winans, Ross | - | Baltimore, Maryland | - | Wheels for cars and locomotive engines | - | - | November 19 |

LIST OF PATENTS—NAVIGATION.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|---------------------------------|-------------------|--------------|
| | | | 1833. |
| Boats, portable screw | Joseph Francis | New York | April 23 |
| Boats and arks | Thomas Symington | Baltimore, Md. | July 22 |
| Boats, for canals and rivers | Silvester Doolittle | Utica, N. Y. | November 19 |
| Canal-boats propelled by steam | Francis A. Dorman | Norfolk, Va. | March 7 |
| Canal-boats | Ezra Reed | Pottstown, Pa. | April 6 |
| Chain, safety, for hauling down ships | James Fales and Thomas D. Brown | Bedford, Mass. | March 9 |
| Dams, coffer | William Easby | Washington, D. C. | November 19 |
| Decks of ships, framing, kneeing off and securing, called a lock dove-tail key purchase | John Bearce | Bristol, Me. | February 7 |
| Paddle-wheels of steam and horse boats | James P. Espy | Philadelphia, Pa. | May 22 |
| Preserving timber, &c. | Charles Morgan | Point Coupée, La. | April 12 |
| Propelling steam-boats, &c. machinery in lieu of wheels | James McCurdy | Norwich, Conn. | September 18 |
| Propelling canal boats | Jer. Smith & Jno. Brown | New York | November 19 |
| Plug and trunnel geared machine for ships | Jesse Reed | Marshfield, Mass. | July 22 |
| Raising vessels | Thomas R. Gedney | Washington, D. C. | August 9 |
| Rudders, hanging and securing | Richard M. Taylor | New York | February 14 |

LIST OF PATENTS.—NAVIGATION—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|----------------------------------|---------------------|----------------------|--------------|
| | | | 1833. |
| Ships, &c., ceiling | Andrew M. Frink | New London, Conn. | December 31 |
| Steering vessels, apparatus for | Benj. F. Adams | Boston, Mass. | November 19 |
| Thimbles, ships' | Barnabas Thacker | Yarmouth, Mass. | March 2 |
| Vessels, constructing | James Barron | Philadelphia, Pa. | April 5 |
| Walls, building in deep water | Henry K. May | Boston, Mass. | September 23 |
| Water-wheel for steam-boats, &c. | David Hulme | Bergen county, N. J. | April 16 |

LIST OF PATENTEES.—NAVIGATION.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|----------------------------|-------------------|--|--------------|
| | | | 1833. |
| Adams, Benjamin F. | Boston, Mass. | Steering vessels, apparatus for | November 19 |
| Bearce, John | Bristol, Me. | Decks of ships, framing, kneeling off and securing, called a lock dove-tail key purchase | February 7 |
| Barron, James | Philadelphia, Pa. | Vessels, constructing | April 5 |
| Doolittle, Silvester | Utica, N. Y. | Boats for canals and rivers | November 19 |
| Dorman, Francis A. | Norfolk, Va. | Canal boats propelled by steam | March 7 |
| Easby, William | Washington, D. C. | Dams, coffer | November 19 |
| Espy, James P. | Philadelphia, Pa. | Paddle-wheels of steam and horse boats | May 22 |
| Francis, Jos. | New York | Boats, portable screw | April 23 |
| Fales, J., & Tho. D. Brown | Bedford, Mass. | Chain, safety, for hauling down ships | March 9 |
| Frink, Andrew M. | New London, Conn. | Ships, &c., ceiling | December 31 |
| Gedney, Thomas R. | Washington, D. C. | Raising vessels | August 9 |

| | | | |
|---------------------------------|----------------------|--|--------------|
| Hulme, David | Bergen county, N. J. | Water wheels for steam-boats, &c. | April 16 |
| Morgan, Charles | Point Coupée, La. | Preserving timber, &c. | April 12 |
| McCurdy, James | Norwich, Conn. | Propelling steam-boats, &c., machinery in lieu of wheels | September 18 |
| May, Henry K. | Boston, Mass. | Walls, building in deep water | September 23 |
| Reed, Ezra | Pottstown, Pa. | Canal boats | April 6 |
| Reed, Jesse | Marshfield, Mass. | Plug and trunnel geared machine | July 22 |
| Symington, Thomas | Baltimore, Md. | Boats and arks | July 22 |
| Smith, Jeremiah, and John Brown | New York | Propelling canal boats | November 19 |
| Taylor, Richard M. | New York | Rudders, hanging and securing | February 14 |
| Thacker, Barnabas | Yarmouth, Mass. | Thimbles, ship's, &c. | March 2 |

LIST OF PATENTS.—CALORIFIC AND STEAM APPARATUS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|---|--------------------------|----------------------|
| Bath, medicated Shampoo | Richard D. Mott | Boston, Massachusetts | 1833. December 16 |
| Bathing apparatus | Heinrich Bachmann and Joseph Ehrenfried | Lancaster, Pennsylvania | January 26 |
| Bathing apparatus | Daniel Brumley | New York | November 19 |
| Boilers for generating steam | M. T. Wallace | New York | April 12 |
| Boilers for generating steam, and wheels for locomotive engines | S. H. Long | Philadelphia, Penn. | May 6 |
| Boilers, combined furnace steam | Levi Disbrow | New York | May 6 |
| Boilers, safety steam | Charles Curtis | New York | May 28 |
| Boilers, steam, and supplying with water, and ascertaining the height therein | William W. Van Loan | New York | December 31 |
| Burners, anthracite coal | James N. Olney | Providence, Rhode Island | December 26 |
| Cap chimney, for increasing draught in furnaces, &c. | James P. Espy | Philadelphia, Penn. | June 29 |
| Cap chimney, for preventing the emission of sparks | Edward A. G. Young | Newcastle, Delaware | July 22 |
| Chimneys, curing smoky | David Bain | Baltimore, Maryland | February 5 |
| Coffee roaster | Amos Ransom | Hartford, Connecticut | December 31 |

LIST OF PATENTS.—CALORIFIC AND STEAM APPARATUS—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|------------------------------------|-------------------------|--------------|
| | | | 1833. |
| Cooking, or boiling apparatus | Thomas K. Anderson | Boston, Massachusetts | March 22 |
| Cooking apparatus, and house warmer | Richard Johnson | Baltimore, Maryland | November 19 |
| Distillery | Henry Becker | Warwick township, Penn. | June 29 |
| Distilling apparatus | Simeon De Witt | Albany, New York | January 30 |
| Distilling apparatus | Joseph T. Dwyer | Nashville, Tennessee | November 19 |
| Evaporating vessels to carry caloric from No. 1 to any number upwards, purifying sugar, extracting acids therefrom, &c. | John C. Douglas | Cincinnati, Ohio | February 19 |
| Forge backs | Frederick Avery | Hamilton, New York | February 12 |
| Forge backs | Timothy Bush, Jun. | Springhort, New York | April 12 |
| Forge backs, (patented December 15, 1832) re-issued | Asa Graham | Hamilton, New York | February 26 |
| Furnace, combined | Levi Disbrow | New York | May 6 |
| Fire alarm | James Dinsmore | Milburn, Maine | May 14 |
| Fire place, sheet iron | Joseph Ingalls | Sandbornton, N. H. | May 23 |
| Fire place, sheet iron | Levi Mansfield | New Hartford, New York | May 29 |
| Fire place or stove | John E. Cayford | Milburn, Maine | December 31 |
| Furnace for burning anthracite coal, for heating and evaporating liquids | William Barrett | Malden, Massachusetts | November 19 |
| Furnace, friction for generating heat without the consumption of fuel | John W. Cochran | Lowell, Massachusetts | November 19 |
| Furnace, blast blowing | John Steece | Lawrence county, Ohio | May 16 |
| Gas, resulting from the ignition of explosive compounds applied to machinery | Henry Rogers | New York | June 29 |
| Gas lamp, called oil or spirit | Joseph M. Truman and George Truman | Penn township, Penn. | November 19 |
| Grate, fire | James Atwater | New Haven, Connecticut | January 9 |
| Grate, and fire place for anthracite coal | William M. Russell | Boston, Massachusetts | February 8 |
| Heating liquids by steam | Joseph B. Armstrong | Wilkes county, Georgia | May 29 |
| Heating air for warming houses, called a fuel-saving house heater and cooking stove | Josiah W. Kirk and Eli Kirk | Philadelphia, Penn. | August 30 |

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|---|---|---|---|---|--------------------------|---|-------------|
| Kiln, lime | - | - | Thomas H. Powers | - | Sodus, New York | - | April 17 |
| Lamp, suspension barrel | - | - | Ira Couch and James A. Frary | - | Meriden, Connecticut | - | March 13 |
| Oven | - | - | Josiah C. Carlisle | - | Chester ville, Maine | - | April 19 |
| Oven, union | - | - | J. S. Gold | - | Norwich, Connecticut | - | December 16 |
| Steam engine, rotary | - | - | Charles R. Alsop | - | Middletown, Connecticut | - | January 21 |
| Steam generating | - | - | Joseph Truman and Jas. Cooke | - | Bridgeport, Pennsylvania | - | January 24 |
| Steam, applying | - | - | Ethan Baldwin | - | Washington, D. C. | - | January 28 |
| Steam, generator and refiner | - | - | John L. Hinkle | - | Hanover, Pennsylvania | - | February 23 |
| Steam, engine rotary | - | - | Abraham Pott and B. F. Pomroy | - | Pottsville, Pennsylvania | - | March 11 |
| Steam, generating, for cooking, &c. | - | - | Harden Branch | - | New York | - | April 12 |
| Steam, generating, for forging malleable iron, &c. | - | - | Peter J. Clute | - | Schenectady, New York | - | May 20 |
| Steam engine, vibrating | - | - | Nathan Rowland | - | Philadelphia, Penn. | - | May 24 |
| Steam engine, horizontal | - | - | Charles Curtis | - | New York | - | May 28 |
| Steam and condensed air applied to machinery | - | - | Elizabeth C. Spafford, administratrix of H. G. Spafford | - | Lansingburgh, New York | - | July 2 |
| Steam engine, revolving or concentric | - | - | Edward Penny and Isaac N. Crosby | - | Rochester, New York | - | July 22 |
| Steam power | - | - | Elisha Bates | - | Mount Pleasant, Ohio | - | July 27 |
| Steam engines, lubricating the pistons, piston rods, valves, cocks, &c. | - | - | Samuel Hall | - | Basford, England | - | November 19 |
| Steam, generating | - | - | Isaiah Jennings | - | Philadelphia, Penn. | - | December 19 |
| Steam, applying to machinery | - | - | John Lockwood | - | Sodus, New York | - | December 28 |
| Still, copper | - | - | John Wright and David Polley | - | New York | - | April 4 |
| Still, perpetual | - | - | Simon Emery | - | Philadelphia, Penn. | - | April 9 |
| Still | - | - | Elias Herr | - | Lampeter township, Penn. | - | December 24 |
| Stove, double cooking, and fire place | - | - | Thomas McCarty | - | Elmira, New York | - | January 23 |
| Stove, double, for heating apartments | - | - | John Dunley | - | Richmond, Va. | - | January 24 |
| Stove, cooking | - | - | Theodore Budington | - | Bridgeport, Conn. | - | January 25 |
| Stove, cooking, shifting | - | - | Henry Cressman | - | Philadelphia, Penn. | - | February 7 |
| Stove, cooking, for wood or coal | - | - | Leopold Gotta | - | Huntington, Penn. | - | February 18 |
| Stove, anthracite coal, closing the ash pit illuminating front- | - | - | Eliphalet Nott | - | Schenectady, N. Y. | - | June 29 |
| Stove, anthracite coal, constructing sashes for mica | - | - | Eliphalet Nott | - | Schenectady, N. Y. | - | June 29 |

LIST OF PATENTS—CALORIFIC AND STEAM APPARATUS—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|---------------------|------------------------|--------------|
| | | | 1833. |
| Stove, anthracite coal, vertical grate, combining the sash therewith for mica, and inlet for fuel | Eliphalet Nott | Schenectady, N. Y. | June 29 |
| Stove, anthracite coal, lining between which and the front plate, the flue for the ascent of air and descent of ashes | Eliphalet Nott | Schenectady, N. Y. | June 29 |
| Stove, anthracite coal, preventing the escape of heat from the top of an ignited pile of fuel | Eliphalet Nott | Schenectady, N. Y. | June 29 |
| Stove, anthracite coal, construction of tops by a combination of sections cast separately | Eliphalet Nott | Schenectady, N. Y. | June 29 |
| Stove, anthracite coal, combination and confinement in place of the damper and handle | Eliphalet Nott | Schenectady, N. Y. | June 29 |
| Stove, anthracite coal, construction and adjustment of brick forming the flue for confining combustion to the base of fuel | Eliphalet Nott | Schenectady, N. Y. | June 29 |
| Stove, anthracite coal, material and construction of pipes | Eliphalet Nott | Schenectady, N. Y. | June 29 |
| Stove, anthracite coal, increasing the evolution of heat | Eliphalet Nott | Schenectady, N. Y. | June 29 |
| Stove, anthracite coal, treatment of metallic bodies, &c. | Eliphalet Nott | Schenectady, N. Y. | June 29 |
| Stove, anthracite coal, combination | James Atwater | New Haven, Conn. | August 23 |
| Stove, anthracite coal, grate or furnace, improvement applicable to | James Atwater | New Haven, Conn. | August 23 |
| Stove, cooking | Lewis Kingsbury | Livonia, New York | September 19 |
| Stove, cooking, or digestive furnace | Henry L. Bidwell | Berlin, Conn. | March 8 |
| Stove, anthracite coal, cooking | Hezekiah Steel | Hudson, New York | November 19 |
| Stove, cooking | Elisha Town | Montpelier, Vermont | December 16 |
| Stove, | Jordon L. Mott | New York | December 30 |
| Stove, cooking, with anthracite coal or wood | William Shaw | Albany, New York | December 31 |
| Sugar, manufacturing | Guy Duplantier | East Baton Rouge, Lou. | January 21 |
| Sugar, caking | Uriel Smith | Sandisfield, Mass. | January 21 |
| Sugar damper furnace | Joshua Jordon | Boston, Mass. | December 27 |
| Valve, screw poppet or throttle | E. A. H. Young | New Castle, Del. | January 19 |

Valve, steam of locomotive and other engines, forcing pumps
and wheels for locomotive engines - - - -
Warm air conveying to fire - - - -
Water, in combustion with spirits of turpentine, decompos-
ing and recomposing it - - - -

S. H. Long
William R. Miller
Samuel Morey

Philadelphia, Penn.
Hinsdale, New York
Boston, Mass.

December 31
December 31
November 19

LIST OF PATENTEES—CALORIFIC AND STEAM APPARATUS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|--|---------------------------|---|--------------|
| | | | 1833. |
| Anderson, Thomas K. - | Boston, Mass. - | Cooking or boiling apparatus - - - | March 22 |
| Atwater, James - | New Haven, Conn. - | Grate, fire - - - | January 9 |
| Armstrong, Joseph B. - | Wilkes county, Georgia - | Heating liquids by steam - - - | May 29 |
| Alsop, Charles R. - | Middletown, Conn. - | Steam engine, rotary - - - | January 21 |
| Atwater, James - | New Haven, Conn. - | Stove, anthracite coal combination - - | August 23 |
| Atwater, James - | New Haven, Conn. - | Stove, grate, or furnace, improvement applicable to - | August 23 |
| Avery, Frederick - | Hamilton, N. Y. - | Forge backs - - - | February 12 |
| Bachmann, Heinrich, and Joseph Ehrenfried - | Lancaster, Penn. - | Bathing apparatus - - - | January 26 |
| Brumley, Joseph - | New York - | Bathing apparatus - - - | November 19 |
| Bain, David - | Baltimore, Md. - | Chimneys, curing smoky - - - | February 5 |
| Becker, Henry - | Warwick township, Penn. - | Distillery - - - | June 29 |
| Barrett, William - | Malden, Mass. - | Furnace for burning anthracite coal, for heating and evapo- rating liquids - - - | November 19 |
| Baldwin, Ethan - | Washington, D. C. - | Steam, applying - - - | January 28 |
| Branch, Hardin - | New York - | Steam, generating, for cooking, &c. - - | April 12 |
| Bates, Elisha - | Mount Pleasant, Ohio - | Steam power - - - | July 27 |
| Budington, Theodore - | Bridgeport, Conn. - | Stove, cooking - - - | January 25 |
| Bidwell, Henry L. - | Berlin, Conn. - | Stove, cooking, or digestive furnace - - | March 8 |
| Bush, Timothy, Jun. - | Springport, New York - | Forge backs - - - | April 12 |
| Curtis, Charles - | New York - | Boiler, safety steam - - - | May 28 |

LIST OF PATENTEES.—CALORIFIC AND STEAM APPARATUS—Continued.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|-----------------------------|--------------------------|--|--------------|
| Cayford, John E. | Milburn, Maine | Fire-place or stove | 1833. |
| Cochran, John W. | Lowell, Mass. | Furnace, friction for generating heat without the consumption of fuel | December 31 |
| Couch, Ira, & Jas. A. Frary | Meriden, Conn. | Lamp, suspension barrel | November 19 |
| Carlisle, Josiah C. | Chesterville, Maine | Oven | March 13 |
| Clute, Peter J. | Schenectady, N. Y. | Steam, generating for forging malleable iron, &c. | April 19 |
| Curtis, Charles | New York | Steam engine, horizontal | May 20 |
| Cressman, Henry | Philadelphia, Penn. | Stove, shifting cooking | May 28 |
| Disbrow, Levi | New York | Boilers, steam combined furnace | February 7 |
| Douglas, John C. | Cincinnati, Ohio | Evaporating vessels to carry caloric from No. 1, to any number upwards, purifying sugar, extracting acids therefrom, &c. | May 6 |
| De Witt, Simeon | Albany, N. Y. | Distilling apparatus | February 19. |
| Dwyer, Joseph T. | Nashville, Tenn. | Distilling apparatus | January 30 |
| Dinsmore, James | Milburn, Maine | Fire alarm | November 19 |
| Dunley, James | Richmond, Virginia | Stove, double, for heating apartments | May 14 |
| Duplantier, Guy | East Baton Rouge, La. | Sugar, manufacturing | January 24 |
| Disbrow, Levi | New York | Furnace, combined | January 21 |
| Espy, James P. | Philadelphia, Penn. | Cap, chimney, for increasing draught in furnaces, &c. | May 6 |
| Emery, Simon | Philadelphia, Penn. | Still, perpetual | June 29 |
| Gold, J. S. | Norwich, Conn. | Oven, union | April 9 |
| Gotta, Leopold | Huntingdon, Penn. | Stove, cooking, for wood or coal | December 16 |
| Graham, Asa | Hamilton, N. Y. | Forge backs (patented December 15, 1832) re-issued | February 18 |
| Hinkle, John L. | Hanover, Penn. | Steam generator and refiner | February 26 |
| Hall, Samuel | Basford, England | Steam engines, lubricating the pistons, piston rods, valves, cocks, &c. | February 23 |
| Herr, Elias | Lampeter township, Penn. | Still | November 1 |
| Johnson, Richard | Baltimore, Maryland, | Cooking apparatus and house warmer | December 24 |
| Ingalls, Joseph | Sandbornton, N. H. | Fire-place, sheet iron | November 19 |
| | | | May 23 |

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|-------------------------------|-------------------------|--|---|---|---|---------------|
| Jennings, Isaiah | - Philadelphia, Penn. | Steam generating | - | - | - | December 19 |
| Jordan, Joshua | - Boston, Massachusetts | Sugar damper furnace | - | - | - | December 27 |
| Kirk, Josiah W., and Eli Kirk | - Philadelphia, Penn. | Heating air for warming houses, called a fuel, saving-house heater and cooking-stove | - | - | - | August 30 |
| Kingsbury, Lewis | - Livonia, New York | Stove, cooking | - | - | - | September 19. |
| Long, S. H. | - Philadelphia, Penn. | Boilers, for generating steam, and wheels for locomotive engines | - | - | - | May 6 |
| Lockwood, John | - Sodus, New York | Steam, applying to machinery | - | - | - | December 28 |
| Long, S. H. | - Philadelphia, Penn. | Valve, steam, of locomotive and other engines; forcing pumps, and wheels for locomotive engines | - | - | - | December 31 |
| Mott, Richard D. | - Boston, Massachusetts | Bath, medicated Shampoo | - | - | - | December 16 |
| McCarty, Thomas | - Elmira, New York | Stove, double cooking, and fire-place | - | - | - | January 23 |
| Mott, Jordan L. | - New York, | Stove, double cooking, and fire-place | - | - | - | December 30 |
| Miller, William R. | - Hinsdale, N. Y. | Warm air, conveying to fire | - | - | - | December 31 |
| Morey, Samuel | - Boston, Massachusetts | Water in combustion with spirits of turpentine, decomposing and recomposing it | - | - | - | November 19. |
| Mansfield, Levi | - New Harford, New York | Fire-place | - | - | - | May 29 |
| Nott, Eliphalet | - Schenectady, New York | Stove, anthracite coal, closing the ash-pit and illuminating front | - | - | - | June 29 |
| Nott, Eliphalet | - Schenectady, New York | Stove, anthracite coal, constructing sashes for mica | - | - | - | June 29 |
| Nott, Eliphalet | - Schenectady, New York | Stove, anthracite coal, vertical grate combining the sash therewith for mica, and inlet for fuel | - | - | - | June 29 |
| Nott, Eliphalet | - Schenectady, New York | Stove, anthracite coal, lining between which and the front plate, the flue for the ascent of air and descent of ashes | - | - | - | June 29 |
| Nott, Eliphalet | - Schenectady, New York | Stove, anthracite coal, preventing the escape of heat from the top of an ignited pile of fuel | - | - | - | June 29 |
| Nott, Eliphalet | - Schenectady, New York | Stove, anthracite coal, construction of tops by a combination of sections cast separately | - | - | - | June 29 |
| Nott, Eliphalet | - Schenectady, New York | Stove, anthracite coal, combination and confinement in place of the damper and handle | - | - | - | June 29 |
| Nott, Eliphalet | - Schenectady, New York | Stove, anthracite coal, construction and adjustment of brick forming the flue for confining combustion to the base of fuel | - | - | - | June 29 |
| Nott, Eliphalet | - Schenectady, New York | Stove, anthracite coal, material and construction of pipes | - | - | - | June 29 |
| Nott, Eliphalet | - Schenectady, New York | Stove, anthracite coal, increasing the evolution of heat | - | - | - | June 29 |
| Nott, Eliphalet | - Schenectady, New York | Stove, anthracite coal, treatment of metallic bodies, &c., | - | - | - | June 29 |

LIST OF PATENTEES.—CALORIFIC AND STEAM APPARATUS—Continued.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|--|-------------------------|---|--------------|
| | | | 1832. |
| Olney, James N. - | Providence, R. I. - | Burners, anthracite coal - - - | December 26 |
| Powers, Thomas H. - | Sodus, N. Y. - | Kiln, lime - - - | April 17 |
| Pott, Abraham, and B. F. Pomeroy, - | Pottsville, Pa. - | Steam engine, rotary - - - | March 11 |
| Penny, Edward, and Isaac N. Crosby - | Rochester, N. Y. - | Steam engine, revolving or concentric - - - | July 22 |
| Ransom, Amos - | Hartford, Conn. - | Coffee roasting - - - | December 31 |
| Rogers, Henry - | New York - | Gas, resulting from the ignition of explosive compounds applied to machinery - - - | June 29 |
| Russell, Wm. M. - | Boston, Mass. - | Grate and fire-place for anthracite coal - - - | February 8 |
| Rowland, Nathan - | Philadelphia, Pa. - | Steam engine, vibrating - - - | May 24 |
| Stece, John - | Lawrence county, Ohio - | Furnace, blast, blowing - - - | May 16 |
| Spafford, Elizabeth C., administratrix of Horatio Gates Spafford - | Lansingburgh, N. Y. - | Furnace and condensed air applied to machinery, - - - | July 2 |
| Steel, Hezekiah - | Hudson, N. Y. - | Stove, anthracite coal, cooking - - - | November 19 |
| Shaw, William - | Albany, N. Y. - | Stove, anthracite coal, cooking, - - - | December 31 |
| Smith, Uriel - | Sandisfield, Mass. - | Sugar caking, - - - | January 21 |
| Truman, Jos. M., and George Truman - | Penn township, Pa. - | Gas lamp, called oil or spirit - - - | November 19 |
| Truman, Joseph, and Jas. Cook - | Bridgeport, Pa. - | Steam generating - - - | January 24 |
| Town, Elisha - | Montpelier, Vt. - | Stove, cooking - - - | December 16 |
| Van Loan, William W. - | New York - | Boilers, steam, and supplying with water, and ascertaining the height therein - - - | December 31 |
| Wallace, M. T. - | New York - | Boilers for generating steam - - - | April 12 |
| Wright, John, and David Polley - | New York - | Still, copper - - - | April 4 |
| Young, Edward A. G. - | New Castle, Del. - | Cap chimney for preventing the emission of sparks - - - | July 22 |
| Young, E. A. H. - | New Castle, Del. - | Valve, screw poppet or throstle - - - | January 19 |

LIST OF PATENTS—HYDRAULICS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|---------------------------------------|------------------------|--------------|
| | | | 1833. |
| Cistern, water | Samuel Booth | Syracuse, New York | August 20 |
| Cistern, water, vaults, salt vats, reservoirs, &c. | Horace J. Shumway | Van Buren, New York | November 19 |
| Cisterns, water | George Tibbits, Jun. | Jamesville, New York | December 30 |
| Fire engines, method of working the lever | Samuel Huse | Newburyport, Mass. | April 9 |
| Hose, suction | James Riley | Boston, Mass. | February 6 |
| Hose, manufacturing from cloth and gum elastic | Samuel D. Breed | Philadelphia, Penn. | June 29 |
| Hydrants | Thomas W. Newton and Joseph H. Laning | Philadelphia, Penn. | July 30 |
| Hydrants | Jacob Stroop | Pittsburg, Penn. | December 16 |
| Measuring and transferring liquids | Thomas W. Whitley | Paterson, N. J. | February 1 |
| Pumps | Frederick Krieg | Baltimore, Md. | February 6 |
| Pumps, forcing and suction | John F. Rogers | Waterford, New York | February 27 |
| Pumps | Martin Mettee | Baltimore, Md. | March 8 |
| Pumps, rotary | Elisha Hale | Hyde Park, New York | August 3 |
| Pumps, forcing | Benjamin Lapham | Waterford, New York | November 19 |
| Pumps, cast iron | Jesse Reed and Josiah Reed | Plymouth county, Mass. | November 19 |
| Pumps, metallic | Jedediah Beckwith | Saratoga, New York | December 27 |
| Pumps, suction | Allen H. Mathes | Madisonville, Tenn. | December 31 |
| Water and other liquids, elevating and projecting | Charles R. Alsop | Middletown, Conn. | January 21 |
| Water tank, floating | William Kearney and John McArdle | Brooklyn, New York | February 5 |
| Water, hoisting by wind pump | James Kerr | Maury county, Tenn. | September 6 |
| Water works, with boring for water, called the City Supply Pump | John L. Sullivan | New York | December 28 |

LIST OF PATENTEES—HYDRAULICS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|--|------------------------|---|--------------|
| | | | 1833. |
| Alsop, Charles R. | Middletown, Conn. | Water and other liquids, elevating and projecting | January 21 |
| Booth, Samuel | Syracuse, New York | Cistern, water | August 20 |
| Breed, Samuel D. | Philadelphia, Penn. | Hose, manufacturing from cloth and gum elastic | June 29 |
| Beckwith, Jedediah | Saratoga, New York | Pump, metallic | December 27 |
| Huse, Samuel | Newburyport, Mass. | Fire engines, mode of working the levers | April 9 |
| Hale, Elisha | Hyde Park, New York | Pump, rotary | August 3 |
| Krieg, Frederick | Baltimore, Md. | Pumps | February 6 |
| Kearney, William, and John McArdle | Brooklyn, New York | Water tank, floating | February 5 |
| Kerr, James | Maury county, Tenn. | Water, hoisting by wind pump | September 6 |
| Lapham, Benjamin | Waterford, New York | Pump, forcing | November 19 |
| Mettee, Martin | Baltimore, Md. | Pump | March 8 |
| Mathes, Allen H. | Madisonville, Tenn. | Pump, suction | December 31 |
| Newton, Thomas W., and Joseph H. Laning | Philadelphia, Penn. | Hydrants | July 30 |
| Riley, James | Boston, Mass | Hose, suction | February 6 |
| Rogers, John F. | Waterford, New York | Pump, forcing and suction | February 27 |
| Reed, Jesse, and Josiah Reed | Plymouth county, Mass. | Pump, cast iron | November 19 |
| Shumway, Horace J. | Van Buren, New York | Cistern water, vaults, salt vats, reservoirs, &c. | November 19 |
| Stroop, Jacob | Pittsburg, Penn. | Hydrants | December 16 |
| Sullivan, John L. | New York | Water works, with boring for water called the City Supply Pump | December 28 |
| Tibbitts, George, Jun. | Jamesville, New York | Cistern, water | December 30 |
| Whitley, Thomas W. | Paterson, N. J. | Measuring and transferring liquids | February 1 |

LIST OF PATENTS—WHEEL CARRIAGES.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|--|-------------------------|--------------|
| | | | 1833. |
| Axletree, carriage - - - - - | Alexander Johnson - | Newark, New Jersey. - | February 9 |
| Boxes, casting - - - - - | William Butler and Edward B. Rice - | Worcester, Mass. - | May 31 |
| Carriages, impeding when descending hills - - | Gorsham Bunker - | Truxton, New York - | July 5 |
| Carriages to overcome obstructions in the road - - | Hazard Knowles - | Colchester, Conn. - | August 29 |
| Felloes for wheels, sawing and boring - - - | James Hamilton - | New York - | April 29 |
| Felloes for wheels, sawing and boring - - - | William W. Forwood - | Abington, Maryland - | November 19 |
| Friction rolling - - - - - | George Danforth - | Centreville, Illinois - | May 17 |
| Hubs, cast iron - - - - - | Carver Washburn - | Bridgewater, Mass. - | January 18 |
| Hubs, mortising wagon - - - - - | Parvin Paullin - | Dantown, Ohio - | April 17 |
| Spokes for wheels - - - - - | Daniel H. Wiswell - | Petersham, Mass. - | April 12 |
| Spokes for wheels, dressing, called the yoke cutter - | Daniel H. Wiswell - | New York - | November 19 |
| Springs, elastic spiral, applied to traces, swingle-trees, &c. | John Sherfy - | Uniontown, Md. - | July 22 |
| Springs, setting - - - - - | David C. Andrews - | Westmoreland, N. Y. - | September 6 |
| Steps for coaches - - - - - | Charles M. King - | Newark, New Jersey - | December 31 |
| Wheels for carriages, &c. - - - - - | Isaac Van Gorder - | Warren, Ohio - | January 7 |
| Wheels, apparatus to prevent them falling when the axle-tree breaks, or lynch-pin is disengaged - - | William Zollickoffer - | Middleburg, Maryland - | April 30 |

LIST OF PATENTEES.—WHEEL CARRIAGES.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|--|-----------------------|--|----------------------|
| Andrews, David C. | Westmoreland, N. Y. | Springs, setting | 1833. September 6 |
| Butler, William, and Edward B. Rice | Worcester, Mass. | Boxes casting | May 31 |
| Bunker, Gorsham | Truxton, New York | Carriages, impeding when descending hills | July 5 |
| Danforth, George | Centreville, Illinois | Friction rolling | May 17 |
| Forward, William W. | Abington, Md. | Felloes for wheels, sawing | November 19 |
| Hamilton, James | New York | Felloes for wheels, sawing and boring | April 29 |
| Johnson, Alexander | Newark, New Jersey | Axletree, carriage | February 9 |
| Knowles, Hazard | Colchester, Conn. | Carriages to overcome obstructions in the road | August 29 |
| King, Charles M. | Newark, New Jersey | Steps for coaches | December 31 |
| Paullin, Parvin | Dantown, Ohio | Hubs, cast iron | April 17 |
| Sherfy, John | Uniontown, Md. | Springs, elastic spiral, applied to traces, swingletrees, &c. | July 22 |
| Van Gorder, Isaac | Warren, Ohio | Wheels for carriages, &c. | January 7 |
| Washburn, Carver | Bridgewater, Mass. | Hubs, cast iron | January 18 |
| Wiswell, Daniel H. | Petersham, Mass. | Spokes for wheels | April 12 |
| Wiswell, Daniel H. | New York | Spokes for wheels, dressing, called the yoke cutter | November 19 |
| Zollickoffer, William | Middleburg, Md. | Wheels, apparatus to prevent them falling when the axle-tree breaks or lynch-pin is disengaged | April 30 |

LIST OF PATENTS—ARMS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|---|--|---|
| Guns, manufacturing - - - Knapsack, folio extension - - - Lock, gun - - - Lock, safety - - - | David G. Colburn - James Boyd - Robert H. Fauntleroy - Heinrich Bachmann - | Canton Canal, N. Y. - Boston, Mass. - Posey county, Ind. - Lancaster, Penn. - | 1833. June 29 November 19 August 17 August 21 |

LIST OF PATENTEES—ARMS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---|--|---|---|
| Boyd, James - Bachmann, Heinrich - Colburn, David G. - Fauntleroy, Robert H. - | Boston, Mass. - Lancaster, Penn. - Canton Canal, N. Y. - Posey county, Ind. - | Knapsack, folio extension - - - Lock, safety - - - Guns, manufacturing - - - Lock, gun - - - | 1833. November 19 August 21 June 29 August 17 |

LIST OF PATENTS—SCREW AND LEVER POWER.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|--|---------------------------|--------------|
| | | | 1833. |
| Balance, platform - - - - | Ira Gay - | Dunstable, N. H. - | January 14 |
| Balance, platform - - - - | Benj. Morison - | Milton, Penn. - | February 13 |
| Balance, platform - - - - | John B. Maag - | New York - | February 19 |
| Balance, platform, (patented Feb. 13, 1833,) re-issued - | Benj. Morison - | Milton, Penn. - | December 31 |
| Cheese press - - - - | Asahel Tyrrill - | Fowler, Ohio - | December 31 |
| Cotton press - - - - | Philenzo Payne and Joshua Rundell - | Claiborne county, Miss. - | January 25 |
| Cotton and other fibrous material, pressing - - - - | Henry L. Conner - | Natchez, Miss. - | July 5 |
| Ink distributor, (patented April 23, 1830,) re-issued - | John Prince - | Philadelphia, Penn. - | November 19 |
| Ink, applying to types - - - - | John Prince - | Philadelphia, Penn. - | November 19 |
| Lithography, applied to reprinting books - - - - | Robert C. Manners - | Boston, Mass. - | February 15 |
| Press, double Napier's printing - - - - | Sereno Newton - | New York - | February 26 |
| Press, double cylinder register - - - - | Sereno Newton - | New York - | February 26 |
| Press, double foundry - - - - | Wm. Blake - | Boston, Mass. - | April 29 |
| Press, standing - - - - | Samuel Fairlamb - | New York - | May 15 |
| Printing paper on both sides - - - - | Henry Betts - | Norwalk, Conn. - | September 14 |
| Printing, facilitating - - - - | Sam. N. Dickenson - | Boston, Mass. - | November 1 9 |

LIST OF PATENTEES.—SCREW AND LEVER POWER.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|--|------------------------------|--|--------------|
| | | | 1833. |
| Blake, William - | Boston, Massachusetts - | Press, double foundry - - - | April 29 |
| Betts, Henry - | Norwalk, Connecticut - | Printing paper on both sides - - - | September 14 |
| Conner, Henry L. - | Natchez, Mississippi - | Cotton and other fibrous material, pressing - - - | July 5 |
| Dickenson, Samuel N. - | Boston, Massachusetts - | Printing, facilitating - - - | November 19 |
| Fairlamb, Samuel - | New York, - | Press, standing - - - | May 15 |
| Gay, Ira - | Dunstable, N. Hampshire - | Balance platform - - - | January 14 |
| Morison, Benjamin - | Milton, Pennsylvania - | Balance platform* - - - | February 13 |
| Maag, John B. - | New York - | Balance platform - - - | February 19 |
| Morison, Benjamin - | Milton, Pennsylvania - | Balance platform, (patented February 13, 1833,) reissued - - - | December 31 |
| Manners, Robert C. - | Boston, Massachusetts - | Lithography applied to reprinting books - - - | February 15 |
| Newton, Sereno - | New York - | Press, double Napier printing - - - | February 26 |
| Newton, Sereno - | New York - | Press, double cylinder register - - - | February 26 |
| Payne, Philenzo, and Joshua Rundell, - | Claiborne co. Mississippi, - | Cotton press - - - | January 25 |
| Prince, John - | Philadelphia, Pennsylvania - | Ink distributor, (patented April 23, 1830,) reissued - - - | November 19 |
| Prince, John - | Philadelphia, Pennsylvania - | Ink, applying to types, - - - | November 19 |
| Tyrrill, Asahel - | Fowler, Ohio, - | Cheese press, - - - | December 31 |

LIST OF PATENTS—MILLS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|---|----------------------------|-------------------|
| Bark mill | John Trask, Ahiman Seabury, and Wm. Young | Sangerfield, New York | 1833. April 17 |
| Bucket elevator | Nelson C. Staples | Lynchburg, Virginia | June 29 |
| Coffee mill | Ammi Clark | Berlin, Connecticut | August 14 |
| Dams, building | Samuel J. Burr | Chambersburg, Penn. | February 28 |
| Dogs for saw mills | Martin Rich | Ithaca, New York | February 8 |
| Friction, reducing, in mill gudgeons | Frederick Eichelberger, | Creagerstown, Maryland, | June 29 |
| Friction rollers, for machinery, | Benjamin Stancliffe | Philadelphia, Pennsylvania | December 31 |
| Grain grinding | D. Parmelee and J. C. Shoemaker | Kingston, Pennsylvania | April 16 |
| Grain grinding | Moses W. Chapman | Girard, Pennsylvania | June 1 |
| Grist mill | Luther Olds | Otsego, New York | May 18 |
| Grist and coffee mill | Jacob Stroub | Charleston, S. Carolina | September 6 |
| Grist mill | Reuben Kendall | Wilkes co. Georgia | November 19 |
| Grist mill | Adna L. Norcross | Hallowell, Maine, | December 21 |
| Horse power, gearing | Smith Gardiner | Auburn, New York | May 14 |
| Horse power, propelling | Gilbert Griffen | Greece, New York | May 31 |
| Horse power, portable | Charles M. Keller | Washington, D. C. | June 3 |
| Horse power | S. S. Allen | Saratoga Springs, N. York | June 29 |
| Horse power | Philo C. Curtis and Linus Yale | Otsego, New York | September 17 |
| Horse power | Benjamin D. Beecher | Cheshire, Connecticut, | December 23 |
| Horse power | John Hale and Luke Hale | Hollis, New Hampshire, | December 24 |
| Paddle gate | Eari Trumbull | Little Falls, New York | April 4 |
| Pendulum regulator for water wheels, steam engines, &c. | Nathan Scholfield, | Montville, Connecticut | February 11 |
| Propelling machinery by combining air, water, and animal power | Thomas P. Codman | Boston, Massachusetts | April 20 |
| Propelling machinery by helping power | William Loomis | Ashford, New York | April 29 |
| Propelling mills by concentric machinery | Henry Buell | Randolph, Tennessee | May 3 |

Propelling machinery by balance lever

Saw mill
 Saw mill, self-setting,
 Saw mill carriages, propelling
 Saw mill
 Stones for mills
 Stones, hanging and using
 Stones, for dressing and cooling flour
 Water wheel reaction
 Water wheel reaction
 Water wheel, inclined
 Water wheel, reaction
 Water wheel, and applying water thereto
 Water wheel
 Water wheel, reaction
 Water wheel, tide and current
 Water wheel
 Water wheel current, raising and lowering
 Water wheel, reaction, (patented Feb. 2, 1833,) re-issued
 Water wheel
 Water wheel
 Water wheel
 Water wheel
 Water power, applied directly to a lever beam, or vibrating circles
 Water, raising, for turning mills
 Water power, economy of, by means of a graduated spout,
 Wind wheel, horizontal

Lucius H. Emmons and
 George Upham
 Henry Gordon
 Thomas McCarty
 Jos. Michener
 Nathan Kirk
 James Preslow
 James McDuffee
 Jacob B. Mirick
 Hazard Lewis
 John Ambler, Jun.
 James Wood
 Robert Eastman
 Richard Walker
 Theodorus Lomis
 Israel S. Savage
 Amasa Dingley and Israel S. Savage
 Andrew M. Braley and John L. Dryer
 Charles F. Paine
 John Ambler, Jun.
 Ebenezer A. Lester
 Ezekiel W. McGuier and Joel Dewey, Jun.
 Isaac Van Gorder
 Zerah Blakely
 John Abbot
 William Mead
 Timothy P. Anderson
 Solomon Deming

Massillon, Ohio
 Liberty township, Penn.
 Elmira, New York,
 Chester township, Ohio
 Clinton county, Indiana
 Auburn, New York
 Bradford, Vermont
 Manlius, New York
 Binghamton, New York
 Waterford, New York
 La Grange, Tennessee
 Concord, New Hampshire
 Milton, New Hampshire
 Athens, Pennsylvania
 Waterville, Maine
 Waterville, Maine
 Montgomery county, Ind.
 Winstow, Maine
 Waterford, New York
 Boston, Massachusetts
 Waterford, New York
 Warren, Ohio
 Wilkesville, Ohio
 Reading, Massachusetts
 Pittsburg, Pennsylvania
 Hardwick, Massachusetts
 Brunswick, Ohio

May 16
 February 28
 April 8
 September 16
 November 19
 February 12
 February 21
 August 10
 January 7
 February 2
 February 26
 March 11
 March 12
 March 14
 April 12
 April 16
 May 7
 June 29
 June 29
 September 13
 September 14
 December 16
 December 31
 November 19
 November 19
 December 23
 March 8

LIST OF PATENTEES—MILLS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|--------------------------------------|-------------------------|---|--------------|
| | | | 1833. |
| Allen, Samuel S. | Saratoga Springs, N. Y. | Horse power | June 29 |
| Ambler, John, Jun., | Waterford, New York | Water wheel, reaction | February 2 |
| Ambler, John, Jun., | Waterford, New York | Water wheel, reaction, (patented Feb. 2, 1833) re-issued | February 2 |
| Abbot, John | Reading, Massachusetts | Water power applied directly to a lever beam or vibrating circles | November 19 |
| Anderson, Tim'y P. | Hardwick, Massachusetts | Water power, economy of, by means of a graduated spout- | December 23 |
| Burr, Samuel J. | Chambersburg, Penn. | Dams, building | February 28 |
| Beecher, Benjamin D. | Cheshire, Connecticut | Horse power | December 23 |
| Buell, Henry | Randolph, Tennessee | Propelling mills by concentric machinery | May 3 |
| Braley, Andrew M., and John L. Dryer | Montgomery county, Ind. | Water wheel | May 7 |
| Blakely, Zarah | Wilkesville, Ohio | Water wheel | December 31 |
| Clark, Ammi | Berlin, Connecticut | Coffee mill | August 14 |
| Chapman, Moses W. | Girard, Pennsylvania | Grain, grinding | June 1 |
| Curtis, Philo C., and Linus Yale | Otsego, New York | Horse power | September 17 |
| Codman, Thomas P. | Boston, Massachusetts | Propelling machinery by combining air, animal, and water power | April 20 |
| Dingley, Amasa, and Israel S. Savage | Waterville, Maine | Water wheel, tide current | April 16 |
| Deming, Solomon | Brunswick, Ohio | Wind wheel, horizontal | March 8 |
| Eichelberger, Frederick | Creagerstown, Maryland | Friction, reducing, in mill gudgeons | June 29 |
| Emmons, Lucius H., and George Upham | Massillon, Ohio | Propelling machinery by balance lever | May 16 |
| Eastman Robert | Concord, New Hampshire | Water wheel, reaction | March 11 |
| Gardner, Smith | Auburn, New York | Horse power gearing | May 14 |
| Griffen, Gilbert | Greece, New York | Horse power propelling | May 31 |
| Gordon, Henry | Liberty township, Penn. | Saw mill | February 28 |
| Hale, John and Luke | Hollis, New Hampshire | Horse power | December 24 |
| Kendall, Reuben | Wilkes county, Georgia | Grist mill | November 19 |

| | | | |
|---|-------------------------|--|--------------|
| Keller, Charles M. | Washington, D. C. | Horse power, portable | June 3 |
| Kirk, Nathan | Clinton county, Indiana | Saw mill | November 19 |
| Loomis, William | Ashford, New York | Propelling machinery by helping power | April 29 |
| Lewis, Hazard | Binghamton, New York | Water wheel, reaction | January 7 |
| Loomis, Theodorus | Athens, Penn. | Water wheel, reaction | March 14 |
| Lester, Ebenezer A. | Boston, Massachusetts | Water wheel, reaction | September 13 |
| McCarty, Thomas | Elmira, New York | Saw mill, self-setting | April 8 |
| Michener, Jos. | Chester township, Ohio | Saw mill, carriages propelling | September 16 |
| McDuffee, James | Bradford, Vermont | Stones, hanging and using | February 21 |
| McGuier, Ez. W., and Joel Dewey, Jun. | Waterford, New York | Water wheel, | September 14 |
| Mead, William | Pittsburg, Penn. | Water raising for turning mills | November 19 |
| Mirick, Jacob B. | Manlius, New York | Stones, dressing and cooling flour | August 10 |
| Norcross, Adna L. | Hallowell, Me. | Grist mill | December 21 |
| Olds, Luther | Otsego, N. Y. | Grist mill | May 18 |
| Parmelee, Daniel, and J. C. Shoemaker | Kingston, Penn. | Grinding grain | April 16 |
| Preslow, James | Auburn, N. Y. | Stones for mills | February 12 |
| Paine, Charles F. | Winslow, Maine | Water wheel current, raising and lowering | June 29 |
| Rich, Martin | Ithaca, N. Y. | Dogs for saw mills | February 8 |
| Staples, Nelson C. | Lynchburg, Va. | Bucket elevator | June 29 |
| Stancliffe, Benjamin | Philadelphia, Pa. | Friction rollers for machinery | December 31 |
| Stroub, Jacob | Charleston, S. C. | Grist and coffee mill | September 6 |
| Scholfield, Nathan | Montville, Conn. | Pendulum regulator for water wheels, steam engines | February 11 |
| Savage, Israel S. | Waterville, Maine | Water wheel reaction | April 12 |
| Frask, John, Aliman Sea- bury, and Wm. Young | Sangerfield, N. Y. | Bark mill | April 17 |
| Trumbull, Earl, | Little Falls, N. Y. | Paddle gate | April 4 |
| Van Gorder, Isaac | Warren, Ohio | Water wheel | December 16 |
| Wood, James | La Grange, Tenn. | Water wheel, inclined | February 26 |
| Walker, Richard | Milton, N. H. | Water wheel, and applying water thereto | March 12 |

LIST OF PATENTS—CHEMICAL COMPOSITIONS.

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| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|---|-----------------------|--------------|
| | | | 1833. |
| Acids, mixing, for dyeing woollens, &c. | Hugh Young | Rochester, N. Y. | November 19 |
| Balsam, lavender | Elizabeth Bartlette | New York | June 29 |
| Blood, purifying and preparing, for clarifying sugar | Thomas Hewitt | Philadelphia, Penn. | November 19 |
| Cement water | Thomas F. Purcell and Alexander B. McFarlin | Williamsport, Penn. | December 30 |
| Cement for the edges of cloth | Reuben Brackett | Boston, Mass. | March 14 |
| Cholera medicine | Anthony Hunn, Sen. | Lancaster, Ken. | August 12 |
| Chlorine, cosmetic | David West | Hudson, N. Y. | January 11 |
| Confectionary, applying syrup by steam | Robert L. Stuart and Alexander Stuart | New York | March 7 |
| Galvanic fluid applied to curing certain diseases | Daniel Harrington | Philadelphia, Penn. | July 22 |
| Gold, separating and grinding flint rock | Adam Carson | Kingston, Tenn. | January 29. |
| Hides, softening, fleshing, and working dry and slaughtered | Abner McMillen | Bedford, N. H. | February 4 |
| Hides, softening, breaking, and stoning them in the lime | Benjamin Aylsworth | Masonville, N. Y. | February 13 |
| Hides, softening | Willis Berry | New Sharon, Me. | March 6 |
| India rubber mail and travelling bags | Edwin M. Chaffee | Boston, Mass. | December 31 |
| Lard or tallow, process of converting into separate substances | Benjamin Lapham | Lexington, Ken. | March 1 |
| Mead, sarsaparilla, portable | Jonas C. Brigham | Methuen, Mass. | July 25 |
| Oil, cotton seed, purifying | John J. Gerrard | New York | August 14 |
| Panacea | Jacob Houck | Baltimore, Md. | May 9 |
| Paint, composition for drying | Nathan Hemenway | W. Springfield, Mass. | February 22 |
| Paint, composition, stone | Elijah Skinner and John Webster | Sandwich, N. H. | May 28 |
| Soda fountain | Jacob Ebert and George Dulty | Wheeling, Va. | April 24 |
| Tanning skins and hides | Geo. H. Richards | New York | December 16 |

| | | | | | | |
|--|---|-------------------|---|--------------------|---|-------------|
| Tanning, removing the refuse bark from letches | - | Harvey W. Babcock | - | Cooperstown, N. Y. | - | December 24 |
| Tanning hides and skins | - | Thomas G. Peachy | - | Williamsburg, Va. | - | December 28 |
| Tanning, extract of hemlock for | - | Thomas Rundlet | - | Bedford, N. H. | - | December 30 |
| Tan vats | - | John W. Moon | - | Roxbury, Mass. | - | April 18 |
| White lead and Paris white, grinding | - | Silas Watrous | - | Groton, Conn. | - | January 26 |
| Worm specific | - | Charles McLane | - | Morgantown, Va. | - | August 19 |

LIST OF PATENTEES.—CHEMICAL COMPOSITIONS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|--------------------------------|-----------------------|--|--------------|
| | | | 1833. |
| Aylsworth, Benjamin | Masonville, N. Y. | Hides, softening, breaking, and stoning them in lime | February 13 |
| Bartlette, Elizabeth | New York | Balsam lavender | June 29 |
| Brackett, Reuben | Boston, Mass. | Cement for the edges of cloth | March 14 |
| Berry, Willis | New Sharon, Me. | Hides, softening | March 6 |
| Brigham, Jonas C. | Methuen, Mass. | Mead, sarsaparilla, portable | July 25 |
| Babcock, Harvey W. | Cooperstown, N. Y. | Tanning, removing the refuse bark from the letches | December 24 |
| Carson, Adam | Kingston, Tenn. | Gold, separating and grinding flint rock | January 29 |
| Chaffee, Edmund M. | Boston, Mass. | India rubber mail and travellers' bags | December 31 |
| Ebert, Jacob, and George Dulty | Wheeling, Va. | Soda fountain | April 24 |
| Gerrard, John J. | New York | Oil, cotton seed, purifying | August 14 |
| Hewitt, Thomas | Philadelphia, Penn. | Blood, purifying, and preparing for clarifying sugar | November 19 |
| Hunn, Anthony, sen. | Lancaster, Ken. | Cholera medicine | August 12 |
| Harrington, Daniel | Philadelphia, Penn. | Galvanic fluid applied to curing certain diseases | July 22 |
| Houck, Jacob | Baltimore, Md. | Panacea | May 9 |
| Hemenway, Nathan | W. Springfield, Mass. | Paint, composition for drying | February 22 |
| Lapham, Benjamin | Lexington, Ken. | Lard or tallow, process of converting into separate substances | March 1 |
| McMillen, Abner | Bedford, N. H. | Hides, softening, fleshing and working dry and slaughtered | February 4 |
| Moon, John W. | Roxbury, Mass. | Tan vats | April 18 |
| McLane, Charles | Morgantown, Virginia | Worm specific | August 19 |

LIST OF PATENTEES—CHEMICAL COMPOSITIONS.—Continued.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---|-----------------------|--|--------------|
| | | | 1833. |
| Purcell, Thomas F., and A. B. McFarlin - | Williamsport, Penn. - | Cement water - - - | December 30 |
| Peachy, Thomas G. - | Williamsburg, Va. - | Tanning hides and skins - - - | December 28 |
| Richards, George H. - | New York - | Tanning hides and skins - - - | December 16 |
| Rundlet, Thomas - | Bedford, N. H. - | Tanning, extract of hemlock for - - - | December 30 |
| Stuart, Robert, and Alex- ander Stuart - | New York - | Confectionary, applying syrup by steam - - - | March 7 |
| Skinner, Elijah, and John Webster - | Sandwich, N. H. - | Paint, composition stone - - - | May 28 |
| West, David - | Hudson, New York - | Chlorine cosmetic - - - | January 11 |
| Watrous, Silas - | Groton, Conn. - | White lead and Paris white, grinding - - - | January 26 |
| Young, Hugh - | Rochester, New York - | Acids, mixing for dyeing woollens - - - | November 19 |

LIST OF PATENTS—FINE ARTS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|---------------------------------------|-------------------------|--------------|
| | | | 1833. |
| Block, stereotype - - - | Enoch Hale - | Boston, Massachusetts - | February 15 |
| Keys for musical instruments - - - | Edward C. Riley - | New York - | August 22 |
| Pen, self-supplying - - - | Charles Cleveland - | Middleburg, Vermont - | December 16 |
| Piano forte - - - | Louis Fissore - | Baltimore, Md. - | July 22 |
| Piano forte, tuning - - - | John J. Wise - | Baltimore, Md. - | November 19 |
| Piano forte, construction and action of - - - | Alpheus Babcock - | Philadelphia, Penn. - | December 31 |
| Plectro lira - - - | Philip Trajetta - | Philadelphia, Penn. - | July 22 |
| Wind, applying to musical instruments by means of bellows - - - | Peter L. Grosh, and George Grosh - | Lancaster, Penn. - | April 8 |

LIST OF PATENTEES—FINE ARTS.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---------------------|----------------------|---|--------------|
| Babcock, Alpheus | Philadelphia, Penn. | Piano-forte, construction and action of | 1833. |
| Cleveland, Charles | Middlebury, Virginia | Pen, self-supplying | December 31 |
| Fissore, Louis | Baltimore, Maryland | Piano-forte | December 16 |
| Grosh, Peter L. and | Lancaster, Penn. | Wind, applying to musical instruments by means of bellows | July 22 |
| George Grosh | Boston, Mass. | Block, stereotype | April 8 |
| Hale, Enoch | New York | Keys for musical instruments | February 15 |
| Riley, Edward C. | Philadelphia, Penn. | Plettro lira | August 22 |
| Trajetta, Philip | Baltimore, Maryland | Piano-forte tuning | July 22 |
| Wise, John J. | | | November 19 |

LIST OF PATENTS—HOROLOGY.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|---|------------------------|--------------|
| Clocks, striking part | Joseph Ives | Hartford county, Conn. | April 12 |
| Clocks | Samuel Blydenburgh and William Beebe | New York | April 26 |
| Clocks | James S. Seger | New York | May 22 |
| Clocks, escapement | Orsamus R. Fyler | Bradford, Vermont | September 6 |
| Pinions, rolling, and pinion wheels for clocks | Joseph Ives | Hartford county, Conn. | April 12 |

LIST OF PATENTEES—HOROLGY.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|---|---|--|--|
| Blydenburgh, Samuel, and William Beebe - Fyler, Orsamus R. - Ives, Joseph - Ives, Joseph - Seger, James S. - | New York - Bradford, Vermont - Hartford county, Conn. - Hartford county, Conn. - New York - | Clocks - - - - Clocks, escapement - - - - Clocks, striking part - - - - Pinions and rolling wheels for clocks - - - - Clocks - - - - | 1833. April 26 September 6 April 12 April 12 May 22 |

LIST OF PATENTS—MATHEMATICAL INSTRUMENTS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|---|---|--|
| Astronomical machine - - - Compass and magnetic needle - - - Draughting instruments - - - Odometer, indicating distances travelled in carriages - - - Protractor, facilitating - - - Quadrant, improvement on Spear's - - - | James Swaim - Julius Hanks - James C. Moore - Wm. A. Turner - Elisha Brown - Francis G. Clarke - | Philadelphia, Penn. - Troy, N. Y. - Belmont county, Ohio - Plymouth, N. C. - Seneca county, Ohio - Portland, Me. - | 1833. June 29 July 22 December 30 November 19 August 1 February 21 |

LIST OF PATENTEES—MATHEMATICAL INSTRUMENTS.

| NAMES OF PATENTEES. | INVENTIONS OR DISCOVERIES. | RESIDENCE. | WHEN ISSUED. |
|---------------------|---|------------------------|--------------|
| | | | 1833. |
| Brown, Elisha | Protractor, facilitating | Seneca county, Ohio | August 1 |
| Clarke, Francis G. | Quadrant, improvement on Spear's | Portland, Me. | February 21 |
| Hanks, Julius | Compass and magnetic needle | Troy, N. Y. | July 22 |
| Moore, James C. | Draughting instruments | Belmont county, Ohio | December 30 |
| Swaim, James | Astronomical machine | Philadelphia, Penn. | June 29 |
| Turner, Wm. A. | Odometer, indicating distances travelled in carriages | Plymouth county, N. C. | November 19 |

LIST OF PATENTS—SURGERY.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|-----------------------------------|------------------------|--------------|
| | | | 1833. |
| Feet straightening reel | Gideon Goodrich | Portland Harbor, N. Y. | July 22 |
| Fractured limbs, flexible splints for | William Wood, Jun. | Smithfield, Ohio | March 5 |
| Nipple shield, artificial metallic | John J. Heintzleman | Philadelphia, Penn. | March 16 |
| Nursing cup | Sylvester W. Talbot | Dedham, Massachusetts | April 19 |
| Pump, stomach and breast, and cupping instrument | Lempel B. White | New York | July 22 |
| Syringes enema | Joh Parshall and David Gilbert | Gettysburg, Penn. | May 22 |
| Tooth key | Cornelius Addle | Winthrop, Maine | July 31 |
| Truss | Ralph Glover | New York | May 3 |
| Truss, to be used in varicocele | Amos G. Hull | New York | July 5 |
| Truss | Horatio G. Jamieson | Baltimore, Maryland | August 29 |
| Truss | John Morris | Derby, Conn. | November 19 |
| Truss, double spring | Daniel Weaver | Baltimore, Maryland | November 19 |
| Truss | James McChesney | New York | December 21 |

LIST OF PATENTEES—SURGERY.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTIONS OR DISCOVERIES. | WHEN ISSUED. |
|--------------------------------------|------------------------|--|--------------|
| | | | 1833. |
| Addle, Cornelius | Winthrop, Maine | Tooth key | July 31 |
| Goodrich, Gideon | Portland Harbor, N. Y. | Feet straightening reel | July 22 |
| Glover, Ralph | New York | Truss | May 3 |
| Heintzleman, John J. | Philadelphia, Penn. | Nipple shield, artificial metallic | March 16 |
| Hull, Amos G. | New York | Truss, to be used in varicocele | July 5 |
| Jamieson, Horatio G. | Baltimore, Md. | Truss | August 29 |
| Morris, John | Derby, Conn. | Truss | November 19 |
| McChesney, James | New York | Truss | December 21 |
| Parshall, John, and David Gilbert | Gettysburg, Penn. | Syringes enema | May 22 |
| Talbot, Sylvester W. | Dedham, Massachusetts | Nursing cup | April 19 |
| Wood, William, Jun. | Smithfield, Ohio | Fractured limbs, flexible splints for | March 5 |
| White, Lemuel B. | New York | Pump, stomach and breast, and cupping instrument | July 22 |
| Weaver, Daniel | Baltimore, Md. | Truss, double spring | November 19 |

The number of patents sent to each State in the year 1833, respectively.

| | | | | | |
|----------------------|-----|-----------------------|----|-----------------------------|------------|
| Maine, - - - | 23 | Virginia, - - - | 25 | Alabama, - - - | 1 |
| New Hampshire, - - - | 21 | North Carolina, - - - | 7 | Missouri, - - - | 0 |
| Massachusetts, - - - | 74 | South Carolina, - - - | 5 | Arkansas Territory, - - - | 0 |
| Rhode Island, - - - | 8 | Georgia, - - - | 5 | Michigan Territory, - - - | 0 |
| Connecticut, - - - | 45 | Kentucky, - - - | 7 | Florida, - - - | 0 |
| Vermont, - - - | 11 | Tennessee, - - - | 10 | District of Columbia, - - - | 6 |
| New York, - - - | 177 | Ohio, - - - | 33 | Great Britain, - - - | 1 |
| New Jersey, - - - | 11 | Louisiana, - - - | 2 | | |
| Pennsylvania, - - - | 86 | Indiana, - - - | 5 | | |
| Delaware, - - - | 3 | Mississippi, - - - | 0 | | |
| Maryland, - - - | 19 | Illinois, - - - | 1 | Patents, - - - | <u>586</u> |

PATENTS WHICH HAVE EXPIRED.

LETTER

FROM

THE SECRETARY OF STATE,

TRANSMITTING

A list of patents for new or useful discoveries which have expired during the year 1833, and the names of patentees, &c.

JANUARY 21, 1834.

Read, and laid upon the table.

DEPARTMENT OF STATE,
January 18, 1834.

SIR: In compliance with the "Act concerning patents for useful inventions," approved July 3, 1832, I have the honor to report a list of all the patents for discoveries, inventions, and improvements, which have expired within the year 1833, with the names of the patentees alphabetically arranged.

I have the honor to be, sir,
Your obedient servant,
LOUIS McLANE.

To the Hon. the SPEAKER of the House of Representatives.

Gales & Seaton, print.]

A list of expired patents in the year 1833.

| NAME OF PATENTEE. | RESIDENCE. | INVENTION, DISCOVERY, OR IMPROVEMENT, | DATE OF PATENT |
|--------------------------------------|--------------------------|--|----------------|
| Adams, Daniel | Keene, N. H. | Stirrups | 1819. |
| Ambler, John, Jun. | New Berlin, N. Y. | Raising water by steam | February 3 |
| Allison, Burgess, and Wm. Elliott | Washington, D. C. | Printing by means of rollers and cylinders | May 29 |
| Bishop, Naphtali | Barre, Vt. | Bridges | March 11 |
| Barron, James | Hampton, Va. | Manufacturing corks | January 11 |
| Bunker, Zenas | Guilford county, N. C. | Wooden jack-screw | January 12 |
| Beidleman, Henry | Washington county, Va. | Chain water wheel | February 3 |
| Barker, Thomas E. | Greene county, N. Y. | Upright stove boiler | February 8 |
| Brower, John | Berks county, Penn. | Sheet iron shovel | February 19 |
| Barron, James | Norfolk, Va. | Air or water pump | February 19 |
| Bartholomew, Jacob | Middlebury, Vt. | Steelyard | February 20 |
| Baker, Charles T. | Providence, R. I. | Clearing channels and docks | February 27 |
| Black, Jeremiah | Northumberland co. Penn. | Hydraulic machine | April 12 |
| Brown, Edmund | Richmond, Virginia | Tobacco press | April 23 |
| Batby, Antoine | New York | Rotary steam engine | April 30 |
| Baldwin, Thomas | Newcastle, Del. | Manufacturing tobacco | May 26 |
| Brown, John | Providence, R. I. | Spinning wool and cotton | June 17 |
| Bury, Richard | Albany, N. Y. | Strings for piano fortes | July 22 |
| Brush, John C. | Washington, D. C. | Fire places | August 21 |
| Brainard, Jeremiah | Rome, N. Y. | Wheelbarrow | August 19 |
| Blanchard, Thomas | Middleborough, Mass. | Turning gun stocks | August 26 |
| Bergen, Cornelius | King's county, N. Y. | Plough | September 6 |
| Barton, William | New York | Shoeing sleighs | November 11 |
| Baker, William | Springfield, N. Y. | Forcing pump, double | December 13 |
| Colbert, Robert | Boston, Mass. | Making cordage | December 31 |
| Caze, James | New York | Distilling | March 17 |
| Cooke, David | New Jersey | Propelling boats, vessels, &c. | March 16 |
| Clarkson, Wm. K., Jun. | New York | Velocipede | April 16 |
| Craft, George B. | Redstone, Penn. | Cutting sausage meat | June 26 |
| | | | October 9 |

| | | | |
|---|----------------------------|--|--------------|
| Cummings, Jacob A. | Boston, Mass. | Conveying true pronunciation of words | November 3 |
| Cooper, James | Augusta county, Va. | Archimedian screw | December 14 |
| Corbett, James | West Hanover townsh'p, Pa. | Rockers for cradles, boring holes for posts, &c. | December 21 |
| Croasdale, Bezaleel | Byberry township, Penn. | Brushes of broom corn | December 21 |
| Crumbacker, Jonas | Union, Md. | Razor strops | December 24 |
| Dayton, Giles, Jun. | Springfield, Mass. | Straw cutting machine | March 18 |
| Dearborn, Benjamin | Boston, Mass. | Balance | March 24 |
| Decker, Israel | Boston, Mass. | Tarring and spooling twine | April 3 |
| Dixon, Peter | Philadelphia, Penn. | Women's saddles | July 16 |
| Deming, George | Burlington, Vt. | Horizontal tide and wind wheel | July 22 |
| Draper, Simeon | Brookfield, Mass. | Mail coaches, &c. | August 26 |
| Edmonson, Samuel S. | New York | Chronometer | April 3 |
| Ellis, Joseph | Dedham, Mass. | Composition for pencils | April 26 |
| Eames, Thomas | Newbury, Vt. | Water wheels | April 29 |
| Fraser, Wm. L. | Oxford, N. Y. | Churn | March 19 |
| Fahnestock, Samuel | Lancaster, Penn. | Mineral water | April 23 |
| Foster, Alexander W. and Jacob Hugus | Greensborough, Penn. | Rotary from Rectilinear motion | April 26 |
| Forrester, Lot | Ridgefield, Conn. | Loom | May 15 |
| Field, Henry | Camillus, N. Y. | Distilling apparatus | June 17 |
| Fulton, Gardiner | Philadelphia, Penn. | Granulating gunpowder | August 21 |
| Foot, Nison | Philadelphia, Penn. | Cutting combs | October 28 |
| Guy, Francis | Baltimore, Md. | Paper floor-cloth | February 23 |
| Garratt, Wm. | Lisbon, N. Y. | Making emery | February 27 |
| Graves, Robert | Boston, Mass. | Making cordage | April 10 |
| Geib, George | New York | Mode of teaching music | August 30 |
| Gillet, Daniel, Jun. | Springfield, Mass. | Cotton seed, food for cattle | September 15 |
| Gray, Robert | Milton, Penn. | Pump | November 11 |
| Greene, Lemuel | Greene county, Geo. | Straw cutting machine | December 21 |
| Graves, Robert | Boston, Mass. | Gauge, plate for making Readie's | December 31 |
| Hadley, Joseph | Morristown, Vt. | Securing houses against fire | February 3 |
| Hines, William | Coventry, R. I. | Double speeder for winding cotton | February 6 |
| Hasbrouck, Wm. McD. and Jacob Diefenback | Bloomsbury, Penn. | Breaking hides | February 8 |
| Harris, Zadock | Hartford, N. Y. | Plough | March 17 |
| Harper, Wm. | Nashville, Tenn. | Elastic seat saddles | April 2 |
| Hendryx, Beardsley | Springfield, N. Y. | Washing machine | May 6 |
| Hedge, Lemuel | Windsor, Vt. | Polishing morocco | July 22 |

LIST OF EXPIRED PATENTS--Continued.

| NAME OF PATENTEE. | RESIDENCE. | INVENTION, DISCOVERY, OR IMPROVEMENT. | DATE OF PATENT |
|--------------------------------------|---------------------------|--|----------------|
| | | | 1819. |
| Heaton, James | New York | Carbonated mead | July 28 |
| Hiatt, Zachariah | Wayne county, Indiana | Water wheel for mills | August 20 |
| Haskell, Benjamin | France | Manufacturing combs | November 3 |
| Hotchkiss, Elihu, and Aaron Jaqua | Brattleboro', Vt. | Shearing cloth | December 13 |
| Hale, John | Hillsborough, N. H. | Churn, | December 15 |
| Hawes, Silas | Bennington, Vt. | Carpenter's square | December 15 |
| Jenkins, Palmer | Hebron, N. Y. | Cooking stove | February 6 |
| Janes, Walter | Ashford, Conn. | Corn sheller | May 6 |
| Jones, Samuel | Bridgeport, Penn. | Hat rounder and gauge | June 2 |
| Johnson, Jasper | Albany, N. Y. | Diving drum | July 31 |
| Idler, Jacob | Philadelphia, Penn. | Steam engine machinery | July 31 |
| Isaacs, Moses | New York | Propelling boats &c. | November 17 |
| Kenyon, Benoni | Hillsdale, N. Y. | Blasting rocks | March 15 |
| Kimball, Ephraim | Fitchburg, Mass. | Hoe | April 3 |
| Kalisky, Frederick | Philadelphia, Penn. | Distilling apparatus | December 14 |
| Leonard, Wm. B. | Fishkill, New York | Spindle and bobbin for spinning cotton | January 9 |
| Leonard, Wm. B. | Fishkill, New York | Making cordage | January 9 |
| Lewis, Wm. J. | Washington, D. C. | Propelling boats, &c. | February 3 |
| Lloyd, Joseph | Orange county, N. Y. | Churn | March 2 |
| Lyon, James | Statesburgh, S. C. | Propelling boats | April 3 |
| Lansing, John, Jun. | Albany, N. Y. | Tanning | April 30 |
| Langdon, B. and John C. | Troy, New York | Horse boat | June 5 |
| Lamb, Joshua | Leicester, Mass. | Pricking leather for carding machines | August 21 |
| Lucas, Jonathan, Jun. | Charleston, S. C. | Rice polisher | November 6 |
| Lucas, Jonathan, Jun. | Charleston, S. C. | Flood-gates for mills | November 6 |
| Lynar, Anthony | New York | Hanging bells | December 24 |
| Morey, Samuel | Oxford, N. H. | Shooting by steam | January 19 |
| Morey, Samuel | Oxford, N. H. | Stoves | January 20 |
| McCormick, Stephen | Fauquier court-house, Va. | Plough | February 2 |

| | | | |
|---|--------------------------|--|-------------|
| Moody, Nathan | Hallowell, Maine | Alternate lateral motion by wheels | February 19 |
| Mason, Silas | Norfolk, Mo. | Manufacturing hats | February 20 |
| Maltby, Benjamin, and Fowler Maltby | New Haven, Conn. | Hulling grain | February 26 |
| Moody, Paul | Boston, Mass. | Double speeder | April 3 |
| Mudge, Isaac, and Milo Hatch | Sherburne, N. Y. | Spinning wheel head | April 10 |
| Munson, Job L. | Hampton, Conn. | Pumps | April 26 |
| Moody, Paul | Waltham, Md. | Spinning frame for cotton | May 6 |
| Martin, Anthony B. | Baltimore, Md. | Compost for improving soils | June 2 |
| Miner, Frederick | New London, Conn. | Cultivator | August 21 |
| Nott, Eliphalet | Schenectady, N. Y. | Fire places | February 3 |
| Noble, Roswell | Baltimore, Md. | Manufacturing nails, &c. | May 17 |
| Noyes, David E. | Philadelphia, | Cutting combs | October 14 |
| Ordrenan, John | New York | Balance or fly wheels | April 26 |
| Pierce, Thomas | Hartwick, N. Y. | Steam boilers | February 27 |
| Perkins, Jacob | Philadelphia, Penn. | Lever cotton press | February 27 |
| Parsons, Seth | Hoosick, N. Y. | Shearing cloth, | March 2 |
| Peck, Seth | Southington, Conn. | Manufacturing tin ware | April 23 |
| Pettibone, Daniel | Boston, Mass. | Welding iron and steel | August 21 |
| Pommer, Charles | Philadelphia, Penn. | Producing a swell in keyed musical instruments | August 30 |
| Pettibone, Daniel | Philadelphia, Penn. | Casting balls, shot, &c. | November 10 |
| Pignatelli, John B. | New York | Making paper | December 2 |
| Pierson, Jeremiah H., and James S. Simmons | Hempstead, N. Y. | Weaving machine | December 31 |
| Quigley, Moses A. | Washington county, Md. | Hot pressing broadcloths | June 15 |
| Rudder, James | Norfolk, Va. | Anti-friction brush for blocks | February 6 |
| Keynolds, George N. | Charleston, S. C. | Carriage springs | April 30 |
| Reynolds, George N. | Charleston, S. C. | Moveable axle | April 29 |
| Redmond, Arthur | Nashville, Tenn. | Brewing | May 20 |
| Rarson, William H. | Matthews county, Va. | Thrashing machine | September 8 |
| Russell, William, Jun. | New Bedford, Mass. | Composition for ships' bottoms | November 8 |
| Rowand, Thomas | Gloucester county, N. J. | Tire for wheels, hollowing out | December 24 |
| Smith, Matthew | New York | Stereotype blocks | January 20 |
| Sheidon, William | Springfield, Mass. | Dyeing and tanning | February 26 |
| Smith, Obadiah | Quarrelsville, Va. | Rifles | March 16 |
| Stewart, Adam | Baltimore, Md. | Brick machine | April 8 |
| Salisbury, Hezekiah, Jun. | Brattleboro', Vt. | Window springs | May 24 |

LIST OF EXPIRED PATENTS—Continued.

| NAME OF PATENTEE. | RESIDENCE. | INVENTION, DISCOVERY, OR IMPROVEMENT. | DATE OF PATENT. |
|--------------------------|-------------------------|---|-----------------|
| | | | 1819. |
| Stratton, Benjamin, Jun. | Philadelphia, Penn. | Trusses | June 23 |
| Spedden, Robert | Easton, Md. | Propelling ferry boats | August 26 |
| Smith, Ezekiel F. | Lenox, Mass. | Pneumatic lamp | November 8 |
| Swartwout, James | Taghkanie, N. Y. | Plough | November 13 |
| Simmons, Samuel | Baltimore, Md. | Cradle rocker | December 21 |
| Thomas, Robert | Richmond county, N. C. | Rotary steam engine | May 29 |
| Thomas, Robert | Richmond county, N. C. | Tube auger | May 29 |
| Tisdale, Ephraim | Warren, N. Y. | Cleaning wheat | July 31 |
| Tice, Abraham and Isaac | Union, N. Y. | Plough | August 21 |
| Taylor, Asa | Philadelphia, Penn. | Candle lamp | October 9 |
| Tilge, John H. | Washington, D. C. | Water proof stiffening for hats | September 23 |
| Tucker, John | New York | Cleaning streets | November 10 |
| Usher, Sophia | New York | Carbonated liquid cream of tartar | September 11 |
| Weed, Shadrach H. | Poughkeepsie, N. Y. | Making brooms | February 3 |
| Wells, John J. | Hartford, Conn. | Printing press | February 8 |
| Wilson, Thomas | Baltimore, Md. | Smut machine | February 8 |
| Wheeler, Artemas | Massachusetts | Rifles and plain barrel guns | February 19 |
| Watkins, Horatio | Washington county, Md. | Winnowing machine | March 18 |
| Whiting, Nathan | Chester, Vermont | Wheel shovel and scraper | March 19 |
| Wisehart, James | Wayne county, Indiana | Manufacturing molasses and sugar from wheat, rye, &c. | May 25 |
| Whiting, Preston | Hopkinson, Mass. | Pressing straw bonnets | June 11 |
| Wilmer, Benjamin | Baltimore, Md. | Instrument for measuring heights, &c. | August 20 |
| Whitehead, John | North Providence, R. I. | Power loom | August 30 |
| Wood, Jethro | Poplar Ridge, N. Y. | Plough | September 1 |
| White, Josiah | Philadelphia, Penn. | Canal locks | October 19 |
| Willard, Simon | Boston, Mass. | Clocks | December 13 |
| Youle, George | New York | Caboose, apparatus for rendering salt water fresh, ventilating vessels, &c. | March 19 |
| Young, Dan | Piermont, N. H. | Separating grain and cutting straw | April 17 |

PATENTS FOR NEW INVENTIONS, &c.

LETTER

FROM

THE SECRETARY OF STATE,

TRANSMITTING

A List of Patents granted for new Inventions during the year 1834.

JANUARY 5, 1835.

Read, and laid upon the table.

DEPARTMENT OF STATE,

January 2, 1835.

SIR: In compliance with the resolutions of the House of Representatives, dated the 13th of January, 1812, and the 2d of April, 1830, I have the honor to transmit a list, prepared according to the form heretofore used, of the names of persons who have invented any new or useful art, or machine, manufacture, or composition of matter, or any improvement thereon, and to whom patents have been issued for the same within the year 1834, with the dates and general objects of such patents, and also the residences of the patentees, as far as they could be ascertained.

I have the honor to be, sir,

Your obedient servant,

JOHN FORSYTH.

The Hon. the SPEAKER of the House of Reps.

LIST of Patents granted for the year 1834.

AGRICULTURE.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|---|-----------------------|--------------|
| | | | 1834. |
| Apple, grinding, and shelling corn | Moses Morehouse | Butler county, Ohio | January 23 |
| Apple, machine for slicing | Daniel Davis, 2d. | Stafford, Conn. | March 13 |
| Barley, machine for shelling | Henry Handschy | Bridgeville, Ohio | September 5 |
| Bee hive | Samuel Morrill | Dixfield, Maine | February 4 |
| Bee hive, and management of bees | Levi H. Parish | Brighton, N. Y. | August 6 |
| Bee hive | Abial Whitman, Jr. | Londonderry, Vt. | November 6 |
| Cheese curd cutter | Isaac Hunter, Jr. | New Braintree, Mass. | December 23 |
| Clover and rice hulling machine | James W. Matthews and Matthew S. Kahle | Lexington, Virginia | January 17 |
| Clover seed, hulling | Elias Horn | Rochester county, Va. | January 30 |
| Clover seed, thrashing and cleaning | Samuel Raub, Jr. | Wilkesbarre, Pa. | March 10 |
| Clover seed, machine for cleaning | David Rankin | Augusta county, Va. | March 18 |
| Clover seed, machine for hulling | Wm. E. Lukens | Cadiz, Ohio | March 26 |
| Clover seed, hulling | William Rowe | Phillips, Maine | April 25 |
| Clover seed, hulling and thrashing machine | Henry Bangs | New York | April 29 |
| Clover seed, hulling and cleaning | Benjamin Wood | Doylestown, Pa. | August 11 |
| Clover seed, separating from chaff | Reuben Ranger | Wilton, Maine | August 21 |
| Clover seed, hulling | Samuel M. Baily | Attleborough, Pa. | August 23 |
| Clover seed, hulling machine | William C. Grimes | York, Pa. | November 8 |
| Clover seed, hulling machine | William C. Grimes | York, Pa. | November 8 |
| Cider mill | Nathan Booth | Cheshire, Conn. | July 12 |
| Corn sheller | Calvin Page | Sandbornton, N. H. | March 13 |
| Corn shelling and grinding | Samuel Slater and Stephens Noblit | Philadelphia, Pa. | May 12 |
| Corn shelling machine | Timothy Wellman, Jr. | Brooklin, Vt. | October 9 |
| Corn planter | Henry Blair | Glenross, Md. | October 14 |
| Corn sheller | Rodney Hoyt | Miamisburg, Ohio | October 31 |
| Corn sheller | Warren Johnson | Boscawen, N. H. | December 17 |
| Corn planter | Thacker V. Bush | Clark county, Ky. | December 17 |
| Corn shelling machine | Ezekiel W. Coffin | Gilead, Maine | December 23 |

| | | | | | | | |
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| Cotton and other seed, hulling | - | - | L. D. Cavarly | - | Waterford, Conn. | - | February 12 |
| Cotton roller-gin | - | - | Wm. Whittemore, Jr. | - | West Cambridge, Mass. | - | March 7 |
| Cotton seed, hulling | - | - | Henry Hubbard | - | Claremont, N. H. | - | April 19 |
| Cotton seed, hulling and breaking | - | - | Charles Leck and William Jenks | - | Columbia, S. C. | - | December 17 |
| Cultivating and tilling the ground | - | - | Joseph D. Prescott | - | Chesterville, Maine | - | May 15 |
| Feed. cutting for horses and cattle | - | - | Ethel H. Porter | - | Lincolnton, N. C. | - | March 14 |
| Flax and hemp, cleaning and breaking | - | - | Robert Miller | - | Glasgow, Kentucky | - | May 23 |
| Grain and berries, screening | - | - | Martin N. Armstrong and William H. King | - | New York | - | December 2 |
| Grain and grass, cutting by horse power | - | - | Enoch Ambler | - | Root, N. Y. | - | December 23 |
| Harrow-teeth | - | - | Perry Prettyman | - | Georgetown, Del. | - | April 3 |
| Hay, machine for spreading and turning | - | - | Joab Center | - | Hudson, N. Y. | - | June 27 |
| Ploughs | - | - | David Staebler | - | Lancaster, Penn. | - | March 15 |
| Plough, self-sharpening | - | - | Richard B. Chenoweth | - | Baltimore, Md. | - | March 17 |
| Plough, planting | - | - | Benjamin Hussey | - | Jonesborough, Tenn. | - | April 1 |
| Plough | - | - | John Morford | - | Maysville, Ken. | - | April 8 |
| Plough | - | - | Shem Zook | - | Armagh township, Pa. | - | June 18 |
| Plough | - | - | James Jacobs | - | Maysville, Ken. | - | July 8 |
| Plough | - | - | James Jacobs | - | Maysville, Ken. | - | July 8 |
| Plough | - | - | Henry Peachey | - | Philadelphia, Penn. | - | July 25 |
| Plough | - | - | Joseph Cromwell | - | Cynthiana, Ken. | - | October 9 |
| Pulverizer, agricultural | - | - | Benjamin F. Stickney | - | Vistula, Mich. Ter. | - | March 1 |
| Reaping all kinds of grain | - | - | Cyrus H. McCormick | - | Rockbridge county, Va. | - | June 21 |
| Smut machine grindstone, a substitute for other materials used as scourers or rubbers | - | - | Bartholomew Smith | - | Bethlehem, N. Y. | - | January 9 |
| Smut machine, scouring grain, hulling barley and rice, &c. | - | - | Barker Wing and Orlando Root | - | Verona, N. Y. | - | March 12 |
| Straw, hay, &c., cutting | - | - | Joseph S. Bishop | - | Amsterdam, N. Y. | - | March 12 |
| Straw, hay, &c., cutting | - | - | Barnabas Dayee | - | Wayne, Maine | - | March 12 |
| Straw, hay, &c., horizontal cutter | - | - | Paul Moody | - | Leeds, Maine | - | June 17 |
| Straw cutter | - | - | Nimrod Murphree | - | Philadelphia, Penn. | - | July 8 |
| Straw cutter | - | - | Stephen Ustick | - | Nashville, Tenn. | - | September 17 |
| Straw cutter | - | - | Joshua Moore | - | Philadelphia, Penn. | - | October 3 |
| Thrashing machine | - | - | Theodore Smith | - | Roane county, Ten. | - | December 23 |
| Thrashing machine | - | - | Wm. K. Weed | - | Enfield, N. Y. | - | February 3 |
| Thrashing machine, and cleaning clover seed | - | - | William Morgridge | - | New York | - | February 11 |
| Thrashing machine | - | - | John P. Williams | - | Chesterville, Maine | - | February 12 |
| | | | | | Eldridge, Va. | | February 13 |

LIST OF PATENTS.—AGRICULTURE—Continued.

| INVENTIONS OR DISCOVERIES: | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--------------------------------------|--|-------------------------|--------------|
| | | | 1834. |
| Thrashing machine | Jehial F. Axtell | Geneva, N. Y. | February 18 |
| Thrashing machine | Daniel Davis & Jas. Holmes | Fredericksburg, Va. | March 3 |
| Thrashing machine, horse power | Jacob V. A Wemple | Florida, N. Y. | March 25 |
| Thrashing machine | Sylvanus Leonard | Hampden, Maine | March 27 |
| Thrashing machine | Ebenezer Chandler and Joseph A. Holland, | Kennebec, Maine | April 25 |
| Thrashing machine | Richard P. Sutherland, | Chatham, N. Y. | April 26 |
| Thrashing machine, horse power | Amos Parker | Portland, Maine | May 14 |
| Thrashing machine | James D. Emes | Lansingburg, N. Y. | June 4 |
| Thrashing machine | John Melvin | Readfield, Maine | June 18 |
| Thrashing machine | Michael Ames and John Wright | Fredericksburg, Va. | July 10 |
| Thrashing machine | Gideon Hotchkiss | Windsor, N. Y. | July 25 |
| Thrashing machine | John Marshall, Jr. | Sweden, N. Y. | August 1 |
| Thrashing machine | Isaac Gallop | Plainfield, Conn. | August 18 |
| Thrashing machine | Charles Wilson | New York | August 19 |
| Thrashing machine | John Matthias | Manchester, Md. | August 27 |
| Thrashing machine | Israel Lukens | Upper Dublin Tp., Penn. | September 2 |
| Thrashing machine, and corn shelling | David Knauer | E. Nantmeal Tp., Penn. | September 25 |
| Thrashing machine, grain | John Brown | Jackson, Ten. | October 21 |
| Thrashing machine, grain | John and Daniel Fitzgerald | New York | October 30 |
| Thrashing machine, and hair picker | Joshua Bean | Readfield, Maine | November 5 |
| Thrashing machine, grain | Stacy West | Harford county, Md. | November 11 |
| Thrashing machine, and winnowing | William Lighton | Portsmouth, N. H. | November 17 |
| Thrashing machine, and straw-cutter | John Stewart | Cambridge, Md. | November 17 |
| Thrashing machine | John Shaw | Augusta, Maine | November 19 |
| Thrashing machine | Chas. P. Tenant & Wm. Eaton | Wooster, Ohio | December 17 |
| Thrashing machine | Webber Furbish | Hallowell, Maine | December 17 |
| Wheat, &c., cutting and cradling | Bernard Jackson | Brown county, Ohio | June 14. |

LIST OF PATENTS.—FACTORY MACHINERY.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|--|------------------------|--------------|
| | | | 1834. |
| Aselepias syriaca, manufacturing external fibres - | Margaret Gerrish - | Salem, Mass. - | March 27 |
| Auger, twisting machine - | Oliver Snow - | Meriden, Conn. - | May 13 |
| Auger, spiral screw - | Alfred Newton - | Meriden, Conn. - | August 8 |
| Auger, single twist spiral screw, - | Nathaniel C. Sanford - | Meriden, Conn. - | August 8 |
| Auger pump, and spur bits - | Raymond French - | Derby, Conn. - | November 11 |
| Bells, hanging - | Joseph Currier - | Boston, Mass. - | January 23 |
| Bells, constructing for horses - | Jason Barton - | Cairo, N. Y. - | March 18 |
| Cans, for spinning cotton, by employing sheet-tin - | Wm. A. Crocker - | Taunton, Mass. - | June 3 |
| Chest, iron fire-proof, (patented March 7th, 1826,) - | Jesse Delano - | New York - | August 13 |
| Cloth, part wool and part cotton, dressing, (patented May 20, 1833,) - | Calvin W. Cook - | Lowell, Mass. - | January 23 |
| Combs, manufacturing, welding, or cementing horn, hoofs, whalebone, &c. - | Arad B. Newton - | Baltimore, Md. - | March 31 |
| Combs, manufacturing - | Benjamin Redheffer and William Redheffer - | Penn Tp., Penn. - | May 26 |
| Combs, metal - | Allen Porter - | Hartford, Conn. - | June 14 |
| Cotton gin - | Jacob Perkins - | Bridgewater, Mass. - | June 14 |
| Cotton, machine for whipping and cleaning - | Samuel P. Mason - | Killingly, Conn. - | July 8 |
| Figured fabrics, manufacturing - | John Smith - | Shaefferstown, Penn. - | August 4 |
| Fliers, for double speeders - | Otis Pettee - | Newton, Mass. - | March 28 |
| Fur blowing machine - | Shepherd Whitman - | New Albany, Indiana - | March 22 |
| Fur, extracting from skins, and manufacturing it into yarn - | Levi Ward, assignee of Phebe Atwell - | Watworth, N. Y. - | April 30 |
| Glass blowing machine - | Thomas Bakewell and John P. Bakewell - | Pittsburg, Penn. - | February 8 |
| Gridiron - | Ami Clark - | Berlin, Conn. - | March 28 |
| Grinder, elliptical spindle - | James Wheaton - | Providence, R. I. - | May 28 |
| Hammer arm, forge - | James Sharp - | Coleraine, Penn. - | June 14 |
| Harness, weavers', constructing - | John Blackmar - | Killingly, Conn. - | August 7 |
| Hats, cooling and coloring - | Richard Pike - | Wilton, Conn. - | January 23 |

LIST OF PATENTS.—FACTORY MACHINERY—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|--------------------------------------|-----------------------|--------------|
| | | | 1834. |
| Hats, dying and airing—frame hat block | Norris L. Canfield | Wilton, Conn. | March 14 |
| Hats, manufacturing napped | Lemuel Lyon, 2d. | Needham, Mass. | May 16 |
| Hats, body for | William Nunns | New York | August 14 |
| Hats and Bonnets, finishing Leghorn | Joseph Snyder | Philadelphia, Penn. | August 21 |
| Hatters' kettles, constructing | Wm. Porter and Abraham Sanger | Waltham, Mass. | July 8 |
| Hemp, flax, and wool, machine for hatchelling | Daniel Treadwell | Boston, Mass. | August 18 |
| Hemp, Manilla, machine for dressing | Chandler E. Potter | Portsmouth, N. H. | December 23 |
| Hinges, butt, manufacturing | Darwin Ellis | Attleborough, Mass. | August 8 |
| Latches, Norfolk | Harlow Isbell | Meriden, Conn. | November 8 |
| Latches, Norfolk | Harlow Isbell | Meriden, Conn. | November 8 |
| Locks and bolts | Henry C. Howells | Putnam, Ohio | February 10 |
| Locks | Simon Pettes | Bellowsfalls, Vermont | July 12 |
| Locks, safety | Zibeon Wilbur | Woodbury, Conn. | December 23 |
| Loom, carpet | John Haight | Harsimus, N. J. | May 17 |
| Loom, power | James C. Kempton | Manayunk, Penn. | June 14 |
| Loom, power | Adin Holbrook and Benjamin F. French | Dunstable, N. H. | June 17 |
| Loom, figure power | James M. Hoggan | New Haven, Conn. | October 14 |
| Loom, lay for power | Benjamin Brooks | New Market, N. H. | December 17 |
| Nails, spikes, tacks, rivets, horse-shoes, horse-shoe nails, screwbolts, &c. of wrought iron, | William Schnebly and Thomas Schnebly | Hagerstown, Md | March 3 |
| Nails, brads, &c., wrought | William Slater | Clarksville, Ohio | March 5 |
| Nails, spikes, &c. | William Osgood and Ebenezer Hunt | Troy, N. Y. | March 14 |
| Nails, making at one operation | Melvil Otis | E. Bridgewater, Mass. | March 20 |
| Nails, manufacturing wrought | Reuben Daniels | Woodstock, Vt. | May 13 |
| Nails, manufacturing, (patented October 25, 1832,) | Freeman Palmer | Buffalo, N. Y. | August 7 |
| Nail and spike machine | Henry Burden | Troy, N. Y. | December 2 |

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| Nail and spike machine, wrought | William C. Grimes | York, Penn. | December 17 |
| Nail and spike machine, wrought, from prepared material | William C. Grimes | York, Penn. | December 17 |
| Napping and steaming cloth | S. R. Parkhurst | Providence, R. I. | June 24 |
| Nets for horses, (patented December 8, 1831, reissued) | Henry Korn | Philadelphia, Penn. | April 19 |
| Nets for horses, (patented September 12, 1829, reissued) | Henry Korn | Philadelphia, Penn. | April 19 |
| Oakum, manufacturing | Ebenezer Cook and Selden Usher | Haddam, Conn. | June 7 |
| Palm leaf, machine for splitting | Charles Wadsworth | Barre, Maine | November 17 |
| Palm leaf, machine for splitting | Charles Wadsworth | Barre, Maine | December 23 |
| Paper, cutting and trimming, in the ream | John Ames | Springfield, Mass. | February 28 |
| Paper, cutting and trimming, in the ream | John Ames | Springfield, Mass. | February 28 |
| Paper, making | Joseph Truman | Bridgeport, Penn. | February 28 |
| Paper, cutting and trimming the edges | Jonas Bateman | Harvard, Mass. | March 12 |
| Paper engines, washers for | Clarke Rice | Watertown, N. Y. | April 26 |
| Pipes and tubes for conveying water | Andrew Coffman | Shenandoah county, Va. | March 18 |
| Plane, plough | Israel White | Philadelphia, Penn. | January 9 |
| Pots, tea and coffee, of Britannia and other ware | William W. Crossman | Taunton, Mass. | March 12 |
| Punching metals | Levi C. Bunnel | Otsego, N. Y. | October 10 |
| Rolls, eccentric, application of plain or fluted to common, plain, grooved, or fluted plating, &c. | William V. Many | Albany, N. Y. | January 30 |
| Rope making, called an iron tail | Daniel Treadwell | Boston, Mass. | February 5 |
| Rope yarns, machine for tarring | Daniel Treadwell | Boston, Mass. | August 18 |
| Rope and other yarns, spinning | Sidney B. Whitlock | New York | August 22 |
| Roping cotton, &c., called "wave motion" | Louis Brewster, administrator of Gilbert Brewster | Poughkeepsie, N. Y. | December 17 |
| Roving machine, belted, of hemp, flax, &c. | Daniel Treadwell | Boston, Mass. | February 3 |
| Roving, twisting, from speeders | William Fowler and Richard M. Germond | Union Vale, N. Y. | November 24 |
| Sand paper, manufacturing | Isaac Fisher, Jr. | Springfield, Vt. | June 14 |
| Sand paper, softening after the powder or grains have been applied | Isaac Fisher, Jr. | Springfield, Vt. | June 14 |
| Sand paper | Isaac Fisher, Jr. | Springfield, Vt. | June 14 |
| Sand paper | Isaac Fisher, Jr. | Springfield, Vt. | June 14 |
| Saws, gumming | Joshua Draper | Harrisburg, Indiana | May 31 |
| Screw drill, stock | Charles Babbit | Taunton, Mass. | April 29 |
| Screws, wood, manufacturing | R. C. Read and Clement O. Read | Worcester, Mass. | June 27 |
| Scythes, manufacturing | Abel Simonds | Fitchburg, Mass. | January 23 |

LIST OF PATENTS.—FACTORY MACHINERY—Continued.

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| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|--|-------------------------|--------------|
| | | | 1834. |
| Scythes, manufacturing grain and grass | Horace Naramore | Caledonia, N. Y. | November 24 |
| Scythe snaths, moulds for bending | Silas Lamson | Sterling, Mass. | November 25 |
| Scythe fastenings | Silas Lamson | Sterling, Mass. | November 25 |
| Scythes, manufacturing | Augustus W. Searle | Indianapolis, Indiana | December 17 |
| Shearing cloth | Reuben Daniels | Woodstock, Vt. | May 13 |
| Shearing broad cloths | John Davidson | Springfield, Vt. | May 29 |
| Shearing cloth, (patented May 13, 1834, reissued) | Reuben Daniels | Woodstock, Vt. | August 22 |
| Sheet or boiler iron, manufacturing | John McNary | Brooklyn, N. Y. | December 17 |
| Sieve or riddle for separating ashes from cinders | John J. Hess | Philadelphia, Penn. | January 9 |
| Sieve or riddle for separating coal from dirt | Jesse E. Dow, William M. Edmands, and Samuel Davis | Charlestown, Mass. | March 27 |
| Skates | Nathaniel C. Sanford | Meriden, Conn. | March 7 |
| Speeder fier | Peleg Arnold | Killingly Centre, Conn. | October 6 |
| Spinning hemp into rope, drawing and hackling | James Lang | Greenock, Scotland | January 16 |
| Spinning cotton and silk | Samuel P. Mason | Killingly, Conn. | January 17 |
| Spinning wool, called the "vertical wool spinner" | William Sykes and Geo. M. Conradt | Fredericktown, Md. | March 10 |
| Spinning cotton, &c. | Asahel M. Lanpher | Killingly, Conn. | March 19 |
| Spinning cotton | Welcome A. Potter | Cranston, R. I. | March 28 |
| Spinning cotton yarn, and manufacturing roping | James Chesters | Cumberland, R. I. | April 16 |
| Spinning wool | Asa Campbell | Kingston, Penn. | June 19 |
| Spinning reel | Samuel McCawley | Fallston, Penn. | December 2 |
| Springs, manufacturing steel carriage, &c. | Lyman Gleason | Stafford, N. Y. | December 24 |
| Stop motion of the drawing frame | Lewis Cutting | Lowell, Mass. | May 15 |
| Tenter bars, circular, for drying cloth | Stephen R. Parkhurst | Meriden, R. I. | December 2 |
| Tire and carriage springs, machine for bending, &c. | Fowler M. Ray | Catskill, N. Y. | December 24 |
| Umbrellas, water proof | Edwin L. Simpson | Roxbury, Mass. | November 19 |
| Vice, superior | James Lang | Harrison county, Penn. | January 10 |

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| Weaving coverlids, carpets, diapers, &c. | Emanuel Meily, Jr., John Mellinger, and Samuel Mellinger | Lebanon, Penn. | March 1 |
| Wire, manufacturing of various shapes from steel, copper, brass, &c. | Thomas Wallace | Haverstraw, N. Y. | March 28 |
| Wrench, rack | Solyman Merrick | Springfield, Mass. | April 18. |

LIST OF PATENTS.—COMMON TRADES.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|--------------------------------------|----------------------|--------------|
| | | | 1834. |
| Bedstead | Perry Prettyman | Georgetown, Del. | March 31 |
| Bedstead, sofa, and settee | Francis Breckels | New York | April 7 |
| Bedstead | Robert Miller | Glasgow, Kentucky | May 23 |
| Bedstead, for sick and wounded | William Leo Wolf | New York | July 15 |
| Bedstead, for sick and wounded | Williams Woolley | New York | Aug. 30 |
| Bedstead, for sick and wounded | David Anthony | Adams, Mass. | Sept. 13 |
| Bedstead | Ezra Coleman | New Bedford, Mass. | Oct. 31 |
| Bedstead | Benjamin Humphreville and James King | Morristown, N. J. | Dec. 17 |
| Bellows | James Robe | Morgantown, Virginia | April 17 |
| Bellows | George L. Dimpfel | New York | May 23 |
| Bellows, for smiths' and furnace fires | John R. Morrison | Springfield, Ohio. | Dec. 23 |
| Boards, tonguing, grooving, and planing | John D. Beers | Philadelphia, Penn. | Jan. 18 |
| Boots, shoes, socks, &c., water proof | William Atkinson | Tewkesbury, Mass. | March 7 |
| Boots and shoes from India'rubber leather | Edwin M. Chaffee | Roxbury, Mass. | May 17 |
| Boots, machine for drawing | Lewis H. Dole and Nathaniel Pickard | Rowley, Mass. | July 12 |
| Boring timber for mortising | Benjamin Knight | Cranston, R. I. | Oct. 23 |
| Bits for bridles | Henry Pierce | Sharon, Conn. | March 15 |
| Bricks, machine for moulding and pressing | Cyrus Chaney | Prospect, Maine, | Sept. 11 |
| Brick machine, (patented, June 22, 1830, reissued) | Nathaniel Adams | Cornwall, N. Y. | Oct. 14 |
| Bricks, machine for moulding | William C. Grimes | York, Penn. | Dec. 2 |

LIST OF PATENTS.—COMMON TRADES—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|--|-----------------------|--------------|
| Brick machine, press | William C. Grimes | York, Penn. | 1834. |
| Brick, machine for moulding | Daniel Wolfe | Mount Vernon, Ohio | Dec. 2 |
| Brick, machine for moulding | Robert Rankin | Frankfort, Maine | Dec. 23 |
| Bugs, destroying, perfuming houses, and cleaning furniture | Joseph H. Clark | Connersville, Indiana | Dec. 24 |
| Bugs, machine for destroying by steam | Jonathan Howlet | Greenborough, N. C. | May 31 |
| Chair, easy | Benjamin Franklin Hays | Pittsfield, Mass. | July 10 |
| Churn, tin | Thomas E. Warner | Harford county, Md. | Dec. 17 |
| Churn | James Gustine | New Petersburg, Ohio | Feb. 11 |
| Churn | John Brown | Hallowell, Maine | May 14 |
| Churn | Joshua Ricker | Bangor, Maine | June 18 |
| Churn | Adna L. Norcross | Hallowell, Maine | August 9 |
| Clapboards, machine for sawing | Otis Parker and Daniel Parker | Hallowell, Maine | Sept. 19 |
| Clamp used in sewing leather | Joseph Burrington | Hubbardstown, Mass. | Dec. 24 |
| Collars, horse | Ebenezer Whitney | Burke, Vermont | May 1 |
| Collars, blocking hame | Nathan Post | Chenango, N. Y. | June 4 |
| Collars, horse machine | Dyer Cleaveland | Norfolk, N. Y. | July 24 |
| Crackers, biscuit, &c., (patented, Dec. 24, 1824, reissued) | Daniel Poole | Owego, N. Y. | Sept. 13 |
| Crackers, machine for cutting | Lucius Kirtland | Dauphin county, Penn. | May 20 |
| Curled hair, machine for picking | John Thompson, 3d | New Haven, Conn. | Sept. 4 |
| Dough for bread | Noah Wyeth | Essex county, Mass. | July 8 |
| Feathers, machine for dressing | George Reynolds | Hingham, Mass. | May 12 |
| Fly driver | R. H. Fautleroy | East Hartford, Conn. | Feb. 7 |
| Garments, draughting and cutting | James H. Chappell | New Harmony, Indiana | Aug. 13 |
| Hammer hatchet | Joel Howe | Chilicothe, Ohio | Jan. 18 |
| Hammer, stone | Galen H. Peirce | Princeton, Mass. | July 8 |
| Harness, hooks, and bits | Asahel A. Hotchkiss and Ebenezer Garnsey | Middlebury, Mass. | Dec. 17 |
| Horse-shoe machine | Ezekiel Davis and Samuel Field | Sharon, Conn. | Jan. 23 |
| | | Barre, Mass. | Oct. 8. |
| | | Oakum, Mass. | Oct. 8. |

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| Horse-shoe machine | Charles B. Reed | W. Bridgewater, Mass. | Oct 20 |
| Horse-shoe machine | Elisha Tolles | Winchester, Conn. | October 24 |
| Knife or flosher, tempering | John Glenn | Champaign county, O. | April 24 |
| Knife, saw | Lorenzo Graham | Paris, N. Y. | July 29 |
| Lath cutting machine | Dana Hubba | Wheeling, Va. | July 18 |
| Lath cutting machine | William W. Lesuer | Urbana, Ohio. | October 8 |
| Lath machine | Seba Howard and Caleb Howard | Easton, } Mass. | December 17 |
| Lathe pattern for turning lasts, &c. | Henry Mellish | Bristol, } | |
| Leather, machine for handling | William G. Waterman | Walpole, N. H. | December 23 |
| Marble. smoothing, polishing, and grinding | Samuel Risley, admin'r of Richard S. Risley | Sullivan, N. Y. | September 16 |
| Mattresses, of palm leaf | Elias Howe | Philadelphia, Penn. | June 14 |
| Mortising window sash | Orin Ellis | Cambridge, Mass. | September 13 |
| Mortising wood, (patents of 6th Dec. 1830, and 6th Dec. 1832, cancelled) | Charles Thompson | Orange, Mass. | January 16 |
| Mortising timber | Jeremy W. Bliss | Poughkeepsie, N. Y. | January 30 |
| Mortising and tenoning machine | Erastus M. Shaw | Somers, Conn. | March 20 |
| Mortising machine | John Hasset Chandler | Brooklyn, N. Y. | October 20 |
| Pegging boots and shoes | Nathan A. Fisher | Worcester, Mass. | December 17 |
| Planing mouldings, and smooth planing, (patents of 6th Dec. 1830, and 6th Dec. 1832, cancelled) | Charles Thompson | Westborough, Mass. | April 3 |
| Planing and matching machine | Zadock B. Grover and David Lawton | Poughkeepsie, N. Y. | January 30 |
| Planing machine | Thomas E. Daniels | Springwater, N. Y. | December 23 |
| Puddlers balls, pressing out instead of hammering | William Jones | Worcester, Mass. | December 23 |
| Roofs, fire-proof and water-tight | John Henson | Haverstraw, N. Y. | April 18 |
| Raising building materials, called "builders' tender" | Chester Samson | Lexington, Va. | February 28 |
| Saddles, spring riding | Richard Harrison | Brattleboro', Vt. | March 27 |
| Saddlebag | Joseph H. Latouraudais | New York | February 11 |
| Saddle, riding | Alonzo R. Dinsmoor | Flint Hill, Va. | June 7 |
| Saddle, side | Olney Briggs | Goffstown, N. H. | October 26 |
| Sausage meat, cutting | Jacob Fahrney | Schoharie, N. Y. | December 3 |
| Sausage meat, cutting | Daniel S. Middlekauff | Quincy, Penn. | January 23 |
| Sausage meat, cutting | Valentine Glass | Hagerstown, Md. | January 23 |
| Sawing and boring machine | Benjamin F. Goodspeed and Daniel H. Wiswell | Funkstown, Md. | February 6 |
| Sawing timber, wood, metal, marble, &c., chain saw for | Phineas P. Quimby | New York | April 16 |
| | | Belfast, Me. | June 3 |

LIST OF PATENTS.—COMMON TRADES—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|--|------------------------|--------------|
| | | | 1834. |
| Sawing wood for fuel, blocks for shingles, &c. | Harlow Mitchell | Rutland, N. Y. | June 14 |
| Shears, for cutting brass, copper, &c. | George Christian | Mentz, N. Y. | September 20 |
| Shingles, cutting, from the stock | George Knode | Montgomery county, Va. | March 10 |
| Shingles, shaving and pointing | Samuel B. Chapman | Burlington, N. J. | March 15 |
| Shingles, sawing, from the stock | John W. Smith | Montgomery county, Va. | April 25 |
| Shingles, blinds, slates, &c., sawing | Isaac Drake | Minot, Me. | May 24 |
| Shoes, cutting out | Charles Weston | Salem, Mass. | May 27 |
| Shoe bench, perpetual | Samuel Haynes | Malden, Mass. | September 1 |
| Shoe pattern, perpetual | Samuel Haynes | Malden, Mass. | October 16 |
| Sink, cast iron | Zena Tarbox and Levi B. Tarbox | Delaware county, N. Y. | August 6 |
| Sink, movable | Peter Barthelemy | New York | December 2 |
| Staves, sawing, improvement on D. Tom's | Jesse J. Smith and John Price, Jun. | Cayuga county, N. Y. | January 21 |
| Staves, dressing, for barrels | Solomon Crumber | Buckhorn, Penn. | March 18 |
| Staves, jointing and making, for barrels, &c. | Cyrus McGregory | Newport, N. H. | August 26 |
| Staves, machine for dressing | Asahel Fairchild | Queensbury, N. Y. | December 17 |
| Steel, revolving | Benj. E. Hoyt | Ipswich, Mass. | August 20 |
| Striker, blacksmiths' assistant | William B. Dobson | Surrey county, N. C. | April 25 |
| Striker, for hammering iron, &c. | Joel Woodel | Jackson, Tenn. | August 6 |
| Tenons, sawing, (patents of 6th Dec. 1830, and 6th Dec. 1832, cancelled) | Charles Thompson | Poughkeepsie, N. Y. | January 30 |
| Tobacco, manufacturing, by machinery | James Maurey | Petersburg, Va. | August 15 |
| Washing machine | William Miller and Ezra Rogers | Connersville, Ind. | January 17 |
| Washing machine | Uriah L. Clarke | Manor township, Penn. | February 6 |
| Washing machine, revolving | Philip Horney | Randolph county, N. C. | April 21 |
| Washing machine | Jotham Chase | Waterborough, Me. | June 23 |
| Washing machine | Jesse Gilman | Waterborough, Me. | July 14 |
| Washing machine | Avery B. Gates | Connersville, Ind. | August 1 |

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| Washing machine | John D. Givin | Washington co. Ten. | October 3 |
| Washing machine, improvement on G. A. Stocking's | Alanson D. Lord | Bethany, N. Y. | November 24 |
| Washing machine, lever power | William C. Kniffin | Alexander, N. Y. | December 17 |
| Washing machine, and churn | Nahum Swett | Readfield, Me. | December 24 |
| Wash boards, fluting and counter fluting | Edward Loud | Winchendon, Mass. | March 8 |
| Water tables, for doors | John Burt, Jun. | Tiverton, R. I. | January 24 |
| Water tables, for doors | Daniel Bulkeley | Hampton, Conn. | June 14 |
| Whip, percussion pistol | Joshua Shaw | Philadelphia, Penn. | March 17 |
| Window sash | Joseph Ingham | Wyalusing, Penn. | January 29 |
| Window and other frames, covering with wove wire | James Sellers | Philadelphia, Penn. | February 18. |

LIST OF PATENTS.—LAND WORKS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|---------------------|----------------------|--------------|
| | | | 1834. |
| Bridges, building | Jonas Snyder | Union county, Pa. | February 3 |
| Canals, constructing and applying locomotive engines to boats, barges, &c. on | Charles Bonnycastle | Charlottesville, Va. | January 21 |
| Cars, railroad | Ross Winans | Baltimore, Md. | October 1 |
| Cars, railroad, running gear for | James Stimpson | Baltimore, Md. | October 23 |
| Cars, railroad, and engines, constructing wheels for | James Stimpson | Baltimore, Md. | October 23 |
| Cars, railroad, propelled by horse power | Daniel W. Crocker | Philadelphia, Pa. | October 30 |
| Locomotive engines, cars, and carriages | Alfred C. Jones | Philadelphia, Pa. | June 14 |
| Locomotive engines, enabling to ascend planes | Levi Burnell | Elyria, Ohio | June 26 |
| Locomotive engines, and cars for railroads | Matthias W. Baldwin | Philadelphia, Pa. | September 10 |
| Locomotive horse power | John R. Sleeper | Philadelphia, Pa. | October 30 |
| Railway carriages, (patented March 18, 1829, reissued) | Isaac Knight | Baltimore, Md. | July 10 |
| Roads, streets, &c. composition of matter and constructing | John Martineau | Elbridge, N. Y. | August 11 |
| Railroad tracks and wheels | Edward C. Hyde | Natchez, Miss. | December 3 |
| Springs for railroad cars | Ross Winans | Baltimore, Md. | June 14 |
| Wheels, driving, of locomotive engines, increasing the adhesion | Ezra L. Miller | Charleston, S. C. | June 19. |

LIST OF PATENTS.—NAVIGATION.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|---|---------------------|--------------|
| | | | 1834. |
| Arcitecture, naval | Christopher Hoxie | New York | February 11 |
| Boats, building, called safety hulls | George W. Eddy | Waterford, N. Y. | February 28 |
| Boats, | Rufus Porter | Billerica, Mass. | May 26 |
| Boats, twin | Charles Harris | Norfolk, Va. | May 27 |
| Boats, chain, for inland navigation, | Gordon F. Saltonstall | Society Hill, S. C. | July 12 |
| Boats, wheels for propelling | William Kelly | Pittsburg, Pa. | July 12 |
| Boats, cylinder | Amos Kendall | Washington, D. C. | September 2 |
| Boats, &c., propelling | William Burk | Whitemarsh, Pa. | December 2 |
| Boats, &c., engine for unloading and removing weights | Thomas Potter, Sen. | Bowling Green, Ky. | December 17 |
| Boats, propelling, improvement on his water wheel for | William Kelly | Pittsburg, Pa. | November 17 |
| Boats, &c. propelling by spiral | Isaac Theal | New York | December 24 |
| Blocks, tackle. and pulleys of metal | James Barron | Philadelphia, Pa. | October 20 |
| Caissons, constructing, for founding piers of bridges, or for laying pipes under water, | George Daniels | Philadelphia, Pa. | February 28 |
| Canal steamboat | Daniel W. Crocker | Philadelphia, Pa. | May 3 |
| Canal boats, | John McCausland | Kingston, N. Y. | June 14 |
| Dams, chutes for | Amos Addis | Washington Tp., Pa. | October 4 |
| Diving suit, | Nathaniel Wolcott | Sidney, N. Y. | April 17 |
| Diving suit, | Fowler Smith and Lewis S. Steele | Norfolk, Va. | April 23 |
| Diving suit, elastic | Leonard Norcross | Dixfield, Maine | June 14 |
| Docks, floating dry | James H. Peck, William Thomas, Robert Wash, and John D. Coalter, assignees of John Thomas | | |
| Propelling boats on canals and in shoal water | Levi Burnell | St. Louis, Mo. | March 26 |
| Steamboats, constructing | Henry Burden | Elyria, N. Y. | May 21 |
| Steamboats and other vessels, and propelling them on canals without injuring the banks, | | Troy, N. Y. | March 8 |
| Sheaves or pulleys, bushing and pins for | Anthony Plantou | Philadelphia, Pa. | April 23 |
| Shrouds, &c. of vessels, machine for tightening | Moses H. Marshall | Gloucester, Mass. | July 10 |
| | David Stackpole | Portland, Maine | October 10 |

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|---|---|---------------------------------|---|-------------------|---|------------|
| Steering vessels | - | John B. Holmes | - | Boston, Mass. | - | April 11 |
| Ventilating ships, prisons, hospitals, &c. by machinery | - | Russell Jarvis | - | Boston, Mass. | - | March 5 |
| Vessels, planking | - | Thomas Blanchard | - | New York | - | March 20 |
| Vessels, protecting against snags, called a "steel spring bow fender" | - | William Johnson | - | Louisville, Ky. | - | May 16 |
| Vessels, blocks used in building | - | John Williston | - | Portsmouth, Va. | - | November 6 |
| Windlasses | - | L. V. Badger and Richard Walker | - | Portsmouth, N. H. | - | June 17. |

LIST OF PATENTS.—CALORIFIC AND STEAM APPARATUS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|-----------------------|---------------------|--------------|
| | | | 1834. |
| Anthracite, and other fuel, promoting combustion of | Phineas Davis | Baltimore, Md. | July 29 |
| Baker, metal | Josiah St. John | Hudson, N. Y. | September 30 |
| Baker, steam | Philo F. Wilcox | Springfield, Mass. | September 3 |
| Boilers for steam engines | Russell Jarvis | Boston, Mass. | March 29 |
| Boilers for steam engines | Levi Burnell | Elyria, Ohio | May 21 |
| Boilers, mode of determining the height of water in | Benjamin Phillips | Philadelphia, Penn. | June 21 |
| Boilers, for generating steam and evaporating fluids | John Goulding | Dedham, Mass. | October 25 |
| Boilers, for generating steam and evaporating fluids | John Goulding | Dedham, Mass. | October 25 |
| Chandelier, or hanging lamp, (pat'd March 23, 1831) | William Lawrence | Meriden, Conn. | March 10 |
| Chimneys, curing smoky back and hearth | Henry Pollock | Baltimore, Md. | March 11 |
| Chimneys, draught in | Elijah Skinner | Sandwich, N. H. | April 3 |
| Chimneys, apparatus to prevent smoking | Urban B. A. Lange | Philadelphia, Penn. | October 14 |
| Condenser | James Root | Painesville, Ohio | May 26 |
| Distillation, apparatus for | Joseph T. Dwyer | Nashville, Tenn. | October 14 |
| Explosion, preventing, in boilers | Timothy Newhall, Jun. | Lynn, Mass. | April 12 |
| Explosion, preventing, in boilers by applying a fusible alloy | Cadwallader Evans | Philadelphia, Penn. | May 8 |
| Fire-places, chimneys, stoves, &c., for burning coal | Ormsby M. Mitchell | Cincinnati, Ohio | March 8 |
| Fire-places, and warming buildings | James Cox | Philadelphia, Penn. | May 2 |
| Fire-places | Horace Saxton | Eden, N. Y. | July 8 |
| Fire-places, steam | John W. Cochran | Lowell, Mass. | July 18 |

LIST OF PATENTS.—CALORIFIC AND STEAM APPARATUS—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|--------------------------------------|---------------------|--------------|
| | | | 1834. |
| Fire-places, cast iron | Ansel Hayward | Easton, Mass. | September 25 |
| Fire-places and stove | Elias W. Newton | Middletown, Conn. | December 3 |
| Forge, or heating wind for blacksmiths' fires | John Howe | Alna, Maine | April 16 |
| Forge, and applying bellows thereto | Ransom Green | Brunswick, N. Y. | May 31 |
| Furnaces, evaporating, general process of accelerating the preparation of common salt by artificial heat, &c. | James Colquhoun | Charleston, Va. | February 6 |
| Furnace, hot air, or apparatus for warming rooms | John Bouis | Baltimore, Md. | March 29 |
| Furnace, blast, heating and applying air | Isaac Tyson, Jun. | Baltimore, Md. | April 18 |
| Furnace, portable | John Lewis | Derby, Conn. | July 8 |
| Furnace for heating bar iron, &c. | Henry Burden | Troy, N. Y. | October 14 |
| Furnace, for anthracite coal | Denison Olmsted | New Haven, Conn. | November 5 |
| Grate, union or double | James Wilson | New York | September 12 |
| Gridirons, construction of, (pat'd July 21, 1832, reissued) | Fenner Bush and Linus Pratt | Meriden, Conn. | September 17 |
| Heat, apparatus for applying and conducting | John Cooper Douglas | New York | December 23 |
| Lamp lighting | Edmund Hubbard and William L. Cheney | Chester, Mass. | March 14 |
| Lamp | Daniel Gilbert | Brattleborough, Vt. | March 29 |
| Lamp | Jacob Keim | Philadelphia, Penn. | March 29 |
| Metallurgy, machine for facilitating the process in, of freeing the ores of the precious metals from sulphur, &c. | John L. Sullivan | New York | August 18 |
| Oven, portable bake | David Hull | Utica, N. Y. | March 28 |
| Oven, retaining, for baking and cooking | Stephen J. Gold | Cornwall, Conn. | March 29 |
| Oven, improved | Richard R. Tongue | Fryburg, Me. | August 15 |
| Oven | Samuel S. Eaton | Mansfield, Conn. | December 17 |
| Oven | Benjamin Blaney | Boston, Mass. | December 17 |
| Pistons, &c. of steam engines, lubricating | Samuel Hall | Basford, England | October 30 |
| Pump, steam vacuum | Isaac Barnum | New York | April 16 |
| Rims, metallic, for vault lights | Edward Rockwell | New York | March 8 |
| Roasting jack | Ezra Whitman, Jun. | Winthrop, Me. | April 28 |

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| Safety engine, or machinery to supersede the use of steam | Lewis Marchand | Baltimore, Md. | June 14 |
| Smelting iron ore | Thomas S. Ridgway | Pottsville, Penn. | December 17 |
| Steam, application of, to machinery, endless screw, &c. | Joseph Ingham and Julius Davis | Fabius, N. Y. | February 12 |
| Steam engine | John B. Emmerson | New York | March 8 |
| Steam, generating | Thomas Spalding | McIntosh county, Ga. | March 22 |
| Steam engines, mode of operating | Zachariah Allen | Providence, R. I. | March 28 |
| Steam engine, compound rotary, and boiler | Simon Fairman | Lansingburg, N. Y. | May 24 |
| Steam engine, expansive | Sprague Barber | Providence, R. I. | June 14 |
| Steam engine, rotary | William Sutton | Geneva, N. Y. | September 18 |
| Steam engine, making dry | John Goulding | Dedham, Mass. | October 25 |
| Steam engine | Samuel Hall | Basford, England | October 30 |
| Still | Jacob Weitzell | Lancaster, Penn. | January 30 |
| Still, alcohol | John Wright | New York | October 22 |
| Stove, cooking, &c., preventing the waste of heat | Eliphalet Nott | Schenectady, N. Y. | January 9 |
| Stove, cooking | John G. Treadwell | Albany, N. Y. | January 23 |
| Stove, globe or radiator | Walter Hunt | New York | February 8 |
| Stove, cooking | Elisha D. Payne | New York | March 8 |
| Stove, for anthracite coal | Abraham D. Spoor | Coxsackie, N. Y. | March 15 |
| Stove, ventilating | Daniel Quimby | Calais, Maine | March 29 |
| Stove, for cooking, &c. | John Harriman | Haverhill, Mass. | March 31 |
| Stove, cooking | Thomas Whitson | Roxbury, Mass. | April 11 |
| Stove, common furnace | James Atwater | New Haven, Conn. | April 19 |
| Stoves and grates, heat preserving and diffusing | William Mix | Prospect, Conn. | May 14 |
| Stove, rotary | Elisha Town | Montpelier, Vt. | May 16 |
| Stove, cooking, with a circular revolving oven | George G. Prentiss | Smithfield, R. I. | June 3 |
| Stove, cooking | Philo P. Stewart | Elyria, Ohio | June 19 |
| Stove, reflecting Franklin cook | Samuel W. Phelps | Cincinnati, Ohio | July 16 |
| Stove, rarifying oven cook | Samuel W. Phelps | Cincinnati, Ohio | July 16 |
| Stove, cooking | Horace Bartlett | Carmel, N. Y. | August 1 |
| Stove, cooking | John Moffat | Buffalo, N. Y. | August 13 |
| Stove, cooking | Samuel B. Sexton | Philadelphia, Penn. | August 14 |
| Stove for burning coal | Abial Smith | North Providence, R. I. | August 27 |
| Stove, cooking | William A. Hopkins | New York | September 30 |
| Stove, cooking | Carrington Wilson | New York | October 10 |
| Stove, cooking | Henry W. Camp | Owego, N. Y. | October 14 |
| Stove, bake | Henry Cadwell | Owego, N. Y. | October 14 |

LIST OF PATENTS.—CALORIFIC AND STEAM APPARATUS —Continued.

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| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|---------------------------------------|---------------------|--------------|
| | | | 1834. |
| Stove, portable cooking | Thomas Whitson and Gustavus E. Haynes | Roxbury, Mass. | November 19 |
| Stove, cooking | Levi Burnell | Elyria, Ohio | November 25 |
| Stove, cooking | James Childs | Henniker, N. H. | December 17 |
| Valves for steam boilers | David B. Lee | Philadelphia, Penn. | January 23 |
| Valves, throttle | Augustus S. Dawley | Boston, Mass. | April 18 |
| Valves, self-balance steam | John Kirkpatrick | Baltimore, Md. | July 10 |
| Valves for steam engines | Thomas B. Stillman | New York | October 30 |
| Vinegar, manufacturing | Edward Clark | Saugerties, N. Y. | June 19 |
| Warm air, for heating buildings, &c. | Joseph L. Dutton | Philadelphia, Penn. | March 13 |
| Water, heating, for scalding hogs and washing clothes | Isaac Thorn, Jun. | Bordentown, N. J. | February 11 |
| Worm for stills | John G. Webb | Waterford, N. Y. | February 11. |

LIST OF PATENTS.—HYDRAULICS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|------------------------------------|-------------------|--------------|
| | | | 1834. |
| Cisterns, reservoirs, and walls for holding water | Nathaniel Foster and Wm. Van Vleck | Sullivan, N. Y. | March 3 |
| Cisterns, (improvement on Booth's,) constructing | Obadiah Parker | Syracuse, N. Y. | September 15 |
| Engine, regulated pressure | Daniel Livermore | Blairsville, Pa. | July 24 |
| Engine for elevating and throwing water | Thomas A. Chandler | Norfolk, N. Y. | August 9 |
| Faucet, or molasses gate | Charles Woodyear | Philadelphia, Pa. | February 5 |
| Filtering apparatus | Littleton Ayres | Baltimore, Md. | July 8 |

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| Filtering machine, for purifying water | - | Isaac Wiseman | - | New York | - | August 20 |
| Hose, India rubber | - | Edwin M. Chaffee | - | Roxbury, Mass. | - | January 9 |
| Hydrant | - | Jacob Stroop | - | Pittsburg, Pa. | - | November 11 |
| Hydraulic machine, on a new principle of action | - | Thomas Hutchings | - | Reading, Pa. | - | May 7 |
| Ladders, fire | - | James L. Hannah | - | New York | - | August 19 |
| Pipes, for fire engines | - | James Riley | - | Boston, Mass. | - | February 6 |
| Pumps | - | Dudley L. Farnam | - | Philadelphia, Pa. | - | January 24 |
| Pump, endless chain | - | John A. Pitts | - | Winthrop, Me. | - | April 28 |
| | - | and Hiram A. Pitts | - | Livermore, Me. | - | April 28 |
| Pump, air | - | Timothy Claxton | - | Boston, Mass. | - | June 7 |
| Pump, gauge | - | James D. Woodside | - | Washington, D. C. | - | July 14 |
| Pump, forcing | - | James D. Egbert | - | Lansing, N. Y. | - | September 22 |
| Pump, common suction | - | Elijah Whiton | - | Groton, Mass. | - | October 2 |
| Pump, forcing | - | Joel Farnam | - | Stillwater, N. Y. | - | October 22 |
| Valves, construction of, on the principle of a balance | - | Hiram Strait | - | East Nassau, N. Y. | - | June 25. |

LIST OF PATENTS.—WHEEL CARRIAGES.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|-------------------------------------|-----------------------|--------------|
| Axles, breaking, consequences prevented in railroad cars | Joseph S. Kite | Philadelphia, Pa. | 1834. |
| Axles, and boxes for carriages and railroad cars | Dexter C. Force and Frederick Davis | Baltimore, Md. | July 14 |
| Axles, and boxes for carriages, (patented Nov. 6, 1834, re-issued,) | Frederick Davis | Baltimore, Md. | November 6 |
| Box, retaining | Henry Barton | Baltimore, Md. | November 24 |
| Braces, thorough | Frederick Davis | Rochester, N. Y. | July 22 |
| Carriage, safety, extricating horses | O. R. Broyles | Baltimore, Md. | November 6 |
| Carriage wheels, for preventing horses from running away. | Russell Jarvis | Anderson C. H., S. C. | March 17 |
| Carryall | Frederick Shelton | Boston, Mass. | March 29 |
| Hubs, boring and mortising hubs of wheels | Robert McCarty | Jackson, N. C. | December 2 |
| Hubs, boring out the inside and the boxes for linch cups | John R. Morrison | Martinsburg, N. Y. | March 31 |
| | | Springfield, Ohio | May 13 |

LIST OF PATENTS.—WHEEL CARRIAGES—Continued.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|--|-------------------------------------|-------------------------|
| Sleigh shoes, cast iron double grooved, and mitre locks - Sleigh runners, cast iron - | Lot Brees and Ezra Brees Nathaniel Benedict, Jun. Abel Benedict and Asa- hel A. Hotchkiss - | Luzerne county, Pa. - | 1834. February 10 |
| Sleigh, traverse - | Bela Markham - | Sharon, Conn. - | February 10 |
| Spokes of wheels, machine for cutting tenons on - | John Lenher - | Burlington, Vt. - | July 10 |
| Truck, double cylinder, for raising stone, &c. - | Simon Erieze - | Cocalico township, Pa. - | July 28 |
| Wagon, or any other wheeled vehicle - | Elisha Brown - | Waterloo, Md. - | August 23 |
| Wagon, or any other wheeled vehicle, manufacturing - | Reuben Rich - | Stockbridge, Mass. - | January 23 |
| Wheels, for carriages - | Henry Beebe - | Albion, N. Y. - | July 22 |
| Wheels for cars and carriages, chilling - | Phineas Davis - | Haverstraw, N. Y. - | March 12 |
| Wheels, spring, for carriages - | Barney Ruggles - | Baltimore, Md. - Warsaw, N. Y. - | July 29 September 8. |

LIST OF PATENTS.—ARMS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|---------------------|---------------------------|---------------------|
| Cannon, rotary cylinder - | John W. Cochran - | Lowell, Mass. - | 1834. October 22 |
| Gun barrels, manufacturing plates for - | Harvey Mills - | Springfield, Mass. - | July 12 |
| Lock, percussion cannon - | Enoch Hidden - | New York - | August 20 |
| Lock, gun - | J. B. Gray - | Fredericksburg, Va. - | October 7 |
| Percussion powder, for discharging arms - | Samuel Guthrie - | Sackett's Harbor, N. Y. - | August 21 |

LIST OF PATENTS.—SCREW AND LEVER POWER.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|--|---------------------------|--------------|
| | | | 1834. |
| Balance, platform - - - - | Samuel L. Hay - | Boston, Mass. - | July 14 |
| Balance, eagle - - - - | Levins Jencks and Henry Dexter - | Killingly, Conn. - | November 24 |
| Cotton and hay press - - - | Robert Triplett - | Davis county, Ken. - | May 19 |
| Crane - - - - | Hezekiah Bradford - | New York - | July 8 |
| Cheese press - - - - | Elijah Barnes - | North Brookfield, Mass. - | September 5 |
| Inking machine, self, for a hand printing press | William J. Spence - | New York - | April 30 |
| Ink, coloring matter, mordant, or other liquids, supplying or steeping, &c. - - - - | James Rennie - | Lodi, N. J. - | June 9 |
| Lever power - - - - | Tylee W. Lafetra - | New York - | January 23 |
| Lever power, accumulating - - - | J. Cochran - | South Hadley, Mass. - | March 26 |
| Lever engine, or combination of levers - - - | Caleb Tomkins - | Montgomery, Ala. - | November 14 |
| Lever, rotary engine - - - - | Caleb Tomkins - | Montgomery, Ala. - | November 14 |
| Press - - - - | Jesse Cramton - | New York - | February 18 |
| Press, triple rafter - - - - | Robert Bradley - | Natchez, Miss. - | June 4 |
| Press, cheese - - - - | Sylvester Kibbe - | Schoharie, N. Y. - | July 18 |
| Press tub, for pressing oleaginous seeds, &c. - | Francis Follet - | Petersburg, Va. - | August 14 |
| Press, cotton - - - - | Thomas H. Scarborough. - | Brownsville, Ten. - | October 16 |
| Press, centripetal power - - - - | Eliphalet S. Scripture - | Cazenova, N. Y. - | September 26 |
| Press, cotton, hay, &c. - - - - | Isaac Robinson, assignee of Samuel T. Baker - | Portland, Me. - | December 17 |
| Printing press, (date of patent, Nov. 15, 1825,) - | Daniel Neall - | Philadelphia, Penn. - | February 13 |
| Printing machine - - - - | Charles F. Voorhies - | Newark, N. J. - | April 8 |
| Printing press - - - - | William R. Collier - | Washington, D. C. - | April 11 |
| Printing with two or more colors at one impression | James Rennie - | Lodi, N. J. - | August 9 |
| Printing press - - - - | Otis Tufts - | Boston, Mass. - | August 22 |
| Printing press - - - - | Adam Ramage - | Philadelphia, Penn. - | November 19 |
| Weighing heavy bodies, (patented June 13, 1831,) - | Erastus Fairbanks and Thaddeus Fairbanks - | St. Johnsbury, Vt. - | March 6 |
| Weighing heavy bodies, (patented February 21, 1832.) - | Do. do. - | St. Johnsbury, Vt. - | March 6. |

LIST OF PATENTS.—MILLS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|---|-------------------------|--------------|
| | | | 1834. |
| Bags of flour, grain, &c. raising for shouldering | John Kinman | Mifflinsburg, Penn. | March 15 |
| Bark, grinding, cracking corn, &c. | Milo J. Whiton | Amsterdam, N. Y. | April 30 |
| Bolting cloths, securing to the reel | George M. Elliott | Hagerstown, Md. | March 19 |
| Buckets for water wheels | William M. Eldridge | Philadelphia, Penn. | March 20 |
| Dogs, cast iron saw mill | Martin Rich | Ithaca, N. Y. | March 6 |
| Dogs, saw mill | Phineas Bennet | Hector, N. Y. | December 2 |
| Frame work of mills | William S. Parham | Sussex county, Va. | June 14 |
| Friction rollers, for machinery | Isaac Clowes | Norfolk, Va. | September 9 |
| Grain, grinding or cracking corn, by hand or horse power | Benjamin Hinkley | New York | March 10 |
| Grain, mill for grinding | Joseph Grant | Providence, R. I. | August 19 |
| Grain grinder, conical | Daniel Fitzgerald and John Fitzgerald | New York | October 30 |
| Grinding corn in the ear, and other grain | Thomas Briggs | East Bloomfield, N. Y. | January 10 |
| Grist and flour mills | Isaac Straub | Northumberland co., Pa. | May 9 |
| Grist mill | Samuel M. Handy, John Albee, and E. B. Cutts | Hallowell, Maine | June 6 |
| Hoisting machine | John Drummond | New York | March 10 |
| Hoisting machine | David Evans | Philadelphia, Penn. | March 19 |
| Horse power machine | Jehial F. Axtell | Geneva, N. Y. | March 13 |
| Horse power machine | John Martineau, admin'r of Joel Eastman | Elbridge, N. Y. | May 31 |
| Horse power, portable | William Burk | Whitemarsh town'p, Pa. | June 25 |
| Horse power machine | Eliakim Briggs | Fort Covington, N. Y. | July 12 |
| Horse power, chain band for | John A. Pitts | Winthrop, Maine | August 15 |
| Horse power | and Hiram A. Pitts | Livermore, Maine | August 15 |
| Horse power | Joseph B. Streeter | Middlesex, N. Y. | August 26 |
| Horse power | Sewell Gleason | Westville, N. Y. | September 18 |
| Horse power, inclined plane | Sylvanus Leonard | Hampden, Maine | September 23 |
| | William G. Johnston | Bridgetown, N. J. | October 4 |

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|---|---|---|--|---|----------------------|---|--------------|
| Horse power, portable | - | - | Smith Gardner | - | Rochester, N. Y. | - | November 25 |
| Horse power | - | - | William Emmons | - | New York | - | December 24 |
| Propelling machinery, alternate motion machine for | - | - | Benjamin Elliot | - | Danby, N. Y. | - | October 4 |
| Saw mills, propelling | - | - | Stephen R. Morrison | - | Kinzua, Pa. | - | February 11 |
| Saw mills - | - | - | Asa Ransom | - | Clarence, N. Y. | - | June 26 |
| Saw mills, circular | - | - | Thomas Blanchard | - | New York | - | August 8 |
| Saw mills, circular | - | - | John Penman | - | Charlotte, N. C. | - | September 9 |
| Saw strap | - | - | Othniel Stone | - | Pittsford, N. Y. | - | October 6 |
| Shoe, mill-can | - | - | James Dennis | - | Providence, R. I. | - | September 8 |
| Spindle and bush for a grist mill, | - | - | Jesse Barber | - | Phelps, N. Y. | - | February 28 |
| Spindle, reducing friction | - | - | Frederick Fredley | - | Logan township, Pa. | - | March 10 |
| Spindle, bush | - | - | Samuel Merchant | - | Ohio county, Va. | - | July 22 |
| Stones facing to admit air to cool the flour | - | - | Robert C. Stephens | - | Hackettstown, N. J. | - | February 18 |
| Stones, dressing mill | - | - | Isaac W. Elmore | - | Lyons, N. Y. | - | September 25 |
| Sawing timber, concave, convex | - | - | Aaron Bard and Simeon Heywood | - | Lunenburg, Mass. | - | July 8 |
| Water wheel | - | - | Elisha Bushnell | - | Sodus, N. Y. | - | January 30 |
| Water wheel, collective power | - | - | Isaac Harrison | - | Middletown, Va. | - | January 31 |
| Water wheel, horizontal curb, cast iron | - | - | James Pilling | - | Waterford, N. Y. | - | February 3 |
| Water wheel | - | - | William Shepard | - | Gibson township, Pa. | - | February 12 |
| Water wheel, construction of, and driving | - | - | David H. Gilbert | - | Dorchester, Mass. | - | February 28 |
| Water wheel, double power reaction | - | - | William M. Eldridge | - | Philadelphia, Pa. | - | March 20 |
| Water wheel | - | - | Benjamin Dugdale | - | Trenton, N. J. | - | May 15 |
| Water wheel, for saw and grist mills | - | - | Henry Averill | - | Richland, N. Y. | - | June 18 |
| Water wheel, reaction | - | - | John L. St. John | - | Canajoharie, N. Y. | - | September 16 |
| Water wheel, to propel machinery | - | - | Garet G. Heermance | - | Coxsackie, N. Y. | - | September 30 |
| Water shoot and driving wheel | - | - | Lewis Waterbury and Talmage Waterbury | - | Malta, N. Y. | - | April 12 |
| Water, raising and conveying, for propelling machinery, | - | - | David G. Colburn | - | Cayuga co: N. Y. | - | May 12 |
| Water power | - | - | Ebenezer Bassford | - | Jay, Maine | - | July 10 |
| Wheel, weather cock, | - | - | Nathan T. Davis | - | Wilmington, Vt. | - | January 9 |
| Wheel, mill or machine, and applying water, wind, or steam thereto | - | - | Luther Copley | - | New Lebanon, N. Y. | - | May 15. |

LIST OF PATENTS.—CHEMICAL COMPOSITIONS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|---|-----------------------|--------------|
| | | | 1834. |
| Alcohol, carbonated, substitute for lamp oil - - | Samuel Casey - | Lebanon, Maine - | March 17 |
| Caoutchouc, covering ropes with - - | Patrick Mackie - | New York - | October 16 |
| Caoutchouc, covering ropes with (patented October 16, 1834, reissued) - - | Patrick Mackie - | New York - | December 3 |
| Cement, compound resinous, for roofs, &c. - - | Daniel A. Balcom - | Northampton. Pa. - | August 1 |
| Cigars, self-igniting - - | John Marck - | New York - | April 16 |
| Dentifrice, vegetable - - | Elijah H. Reid - | Clarksville, Ga. - | March 1 |
| Dying with alkaline prussiates, manufacturing potash, &c. - | Felix Fossard - | Philadelphia, Pa. - | April 23 |
| Galvanic fluid applied to cure diseases - - | Daniel Harrington - | Philadelphia, Pa. - | January 27 |
| Gasometer - - | James Bogardus - | New York - | October 7 |
| Gold cleaner, - - | James Bogardus - | New York - | April 7 |
| Gold, machine for separating from soil, &c. - - | John Dobson - | Burke co., N. C. - | August 21 |
| Hides, handling in the vats - - | Samuel Stem and Daniel Wierman - | Mechanicstown, Md. - | January 9 |
| Hides, softening - - | Isaac Robinson - | Baltimore, Md. - | March 18 |
| Hides, breaking, fleshing, and hairing - - | Johnson Dunaway - | Woodville, Va. - | May 13 |
| Hides, breaking and working scouring leather - - | Josiah Bonney - | Cornwall, Conn. - | May 24 |
| Isinglass, or ichthyocola - - | William Norwood, John Burns, Jabez Rowe, and Josiah Haskeri - | | |
| Magnesia, medicated liquid - - | Richard Jordan and M. Anderson - | Gioucester, Mass. - | January 21 |
| Oil, coloring lamp - - | Ezra Bourne, - | Philadelphia, Pa. - | June 25 |
| Pitch, mixing certain matters for - - | Henry Ruggles - | New York - | March 4 |
| Potash, manufact'g, and leaching ashes, (pat'd July 20, 1831) - | Ephraim Parce - | New York - | December 2 |
| Powder and other substances, by applying hydrogen gas and platina - - | | Pitcher, N. Y. - | January 23 |
| Preserving wood from decay, &c. - - | Alexander Jones - | Mobile, Alabama - | April 22 |
| Sheep skins, softening and removing the fleece therefrom - | Forrest Shepherd - | Fredericksburg, Va. - | October 8 |
| Shingles, composition for preserving- - | Jonathan Mann - | Amesbury, Mass. - | May 1 |
| | Foster Henshaw - | Brookfield, Mass. - | January 16 |

| | | | | | | | |
|---|---|---|------------------------------------|---|-----------------------|---|-------------|
| Silver, new American | - | - | John H. Hagenmacker | - | Philadelphia, Penn. | - | February 11 |
| Tallow, or stahrein composition | - | - | Carl G. Ritter | - | Cincinnati, Ohio | - | February 18 |
| Tanning or manufacturing leather | - | - | Walter Russell | - | Ashburnham, Mass. | - | January 23 |
| Tanning or manufacturing leather | - | - | George Burr | - | Watertown, N. Y. | - | February 6 |
| Tanning, improvement on Dawe's mode | - | - | Mark W. Jenkins | - | Baltimore, Maryland | - | March 10 |
| Tanning hides and skins by compression rollers, &c. | - | - | Edward S. Bell and Daniel Bell | - | Smithfield, Virginia | - | July 28 |
| Tanning, construction of vats, &c. | - | - | James R. Deniston | - | Connersville, Indiana | - | August 1 |
| Tanning leather | - | - | Lemuel C. Dudley and Samuel Brooks | - | Portland, Maine | - | October 23. |

LIST OF PATENTS.—FINE ARTS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|--|---------------------|---------------------|------------------------|
| Checks, preventing forgeries | John D. Pope | Baltimore, Maryland | 1834. |
| Drawings, machine for making perspective | Richard Lyons | New Rumley, Ohio | March 8 |
| Sounds, conveying, called acoustic drum | Samuel Sawyer | Boston, Mass. | June 14 October 24. |

LIST OF PATENTS.—HOROLGY.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|----------------------------|---------------------|-----------------|-------------------------|
| Alarm, self-acting clock | Otis N. Angell | Johnston, R. I. | 1834. |
| Clocks and time-pieces | Hiram Twiss | Meriden, Conn. | June 20 |
| Pendulum, balance | Hiram Twiss | Meriden, Conn. | May 13 |
| Sun-dials of cast iron | Heman McCluer | Hamburg, N. Y. | May 13 September 17. |

LIST OF PATENTS—MATHEMATICAL INSTRUMENTS.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|--|--|--|
| Adding machine - Compass, surveying, (patented January 17, 1832) - Files for papers - | Daniel Kohler - William J. Young - Samuel Angell - | Sunbury, Penn. - Philadelphia, Penn. - Providence, R. I. - | 1834. June 6 January 11 April 22. |

LIST OF PATENTS.—SURGERY.

| INVENTIONS OR DISCOVERIES. | NAMES OF PATENTEES. | RESIDENCE. | WHEN ISSUED. |
|---|---|---|--|
| Milk, drawing from the breast of women, a machine, called a pneumatic pump - Pump, stomach and breast, and cupping instrument, (pat'd July 22, 1833) - Scarificator, improved - Stone in the bladder, instrument for crumbling - Truss - Truss, or surgical apparatus for the relief and cure of pro- cidencia and prolapsus uteri, &c. - Truss, for cure of hernia, &c. - Truss, for cure of hernia, &c. - | James P. Stabler - Lemuel B. White - George Tiemann - James Lee Hannah - Thomas Stagner - Amos G. Hull - Thomas Lawrence - John L. Price - | Sandy Spring, Md. - New York - New York - New York - Madison county, Ky. - New York - Winchester, Ky. - Nicholasville, Ky. - | 1834. June 19 December 23 August 26 August 19 April 5 May 7 August 4 October 31, |

[Doc. No. 55.]

SUMMARY of the foregoing list, exhibiting the number of patents sent to each State, &c.

| STATE. | NUMBER. |
|--------------------------------|---------|
| Maine - - - - - | 43 |
| New Hampshire - - - - - | 13 |
| Massachusetts - - - - - | 91 |
| Rhode Island - - - - - | 15 |
| Connecticut - - - - - | 43 |
| Vermont - - - - - | 18 |
| New York - - - - - | 163 |
| New Jersey - - - - - | 10 |
| Pennsylvania - - - - - | 88 |
| Delaware - - - - - | 2 |
| Maryland - - - - - | 34 |
| Virginia - - - - - | 29 |
| North Carolina - - - - - | 7 |
| South Carolina - - - - - | 4 |
| Georgia - - - - - | 2 |
| Tennessee - - - - - | 8 |
| Kentucky - - - - - | 13 |
| Ohio - - - - - | 25 |
| Louisiana - - - - - | 0 |
| Indiana - - - - - | 8 |
| Mississippi - - - - - | 3 |
| Illinois - - - - - | 0 |
| Alabama - - - - - | 3 |
| Missouri - - - - - | 1 |
| Arkansas - - - - - | 0 |
| Florida - - - - - | 0 |
| Michigan - - - - - | 1 |
| District of Columbia - - - - - | 3 |
| Great Britain - - - - - | 3 |
| Total number, - - - - - | 630 |

[Doc. No. 55.]

ABSTRACT exhibiting the number of patents of each class.

| CLASS. | NUMBER. |
|---|------------|
| Agriculture - - - - - | 89 |
| Factory machinery - - - - - | 111 |
| Common trades - - - - - | 115 |
| Land works - - - - - | 15 |
| Navigation - - - - - | 31 |
| Calorific and steam apparatus - - - - - | 93 |
| Hydraulics - - - - - | 20 |
| Wheel carriages - - - - - | 20 |
| Arms - - - - - | 5 |
| Lever and screw power - - - - - | 26 |
| Mills - - - - - | 55 |
| Chemical compositions - - - - - | 32 |
| Fine arts - - - - - | 3 |
| Horology - - - - - | 4 |
| Mathematical instruments - - - - - | 3 |
| Surgery - - - - - | 8 |
| Total number - - - - - | 630 |

I hereby certify that the foregoing is a correct list of the names of persons who have invented any new or useful art or machine, manufacture, or composition of matter, or any improvement thereon, and to whom patents have been issued for the same, from this office, from the 1st of January, 1834, to the 1st of January, 1835, prepared and classified in pursuance of the resolutions of the House of Representatives of the United States, dated the 13th of January, 1812, and the 2d of April, 1830.

JOHN D. CRAIG.

PATENT OFFICE, *January 1, 1835.*

PATENTS FOR USEFUL INVENTIONS EXPIRED.

LETTER

FROM

THE SECRETARY OF STATE,

TRANSMITTING

A List of Patents for useful Inventions which have expired.

JANUARY 5, 1835.

Read, and laid upon the table.

DEPARTMENT OF STATE,

January 2, 1835.

SIR: In compliance with the "Act concerning patents for useful inventions," approved July 3, 1832, I have the honor to report a list of all the patents for discoveries, inventions, and improvements, which have expired within the year 1834, with the names of the patentees alphabetically arranged.

I have the honor to be, sir,

Your obedient servant,

JOHN FORSYTH.

The Hon. the SPEAKER

of the House of Representatives.

LIST of Patents which expired in the year 1884.

670

| NAMES OF PATENTEES. | RESIDENCE. | INVENTION, DISCOVERY, OR IMPROVEMENT. | DATE OF PATENT |
|---------------------------------|------------------------|---------------------------------------|----------------|
| Alien, Henry | Fayette county, Tenn. | Tide mills | 1820. |
| Blanchard, Thomas | Millbury, Mass. | Engine for cutting irregular forms | December 30 |
| Bragg, John | Montreal, Upper Canada | Bridges | January 20 |
| Buffum, A., & J. Kelly | Smithfield, R. I. | Elastic water proof hats | January 4 |
| Brewster, Abiel | Hartford, Conn. | Ship building | February 17 |
| Bronson, Heman | Kent, Conn. | Wind power pump | March 6 |
| Bryant, Ebenezer | New London, Conn. | Alarm fire engine | March 8 |
| Bruce, George | New York | Making shaded letters | March 28 |
| Byram, John, & S. D. Fuller | Mendham Tp., N. J. | Napping and brushing cloth | April 4 |
| Bailey, Asael | Havre de Grace, Md. | Catching fish, by floating wharves | April 4 |
| Brookfield, William | Detroit, Michigan Ter. | Mode of diving | June 24 |
| Berrien, Richard, and Fr. Class | New York | Circular open stove or fire-place | July 17 |
| Ballthorpe, John | Loudoun county, Va. | Double shovel plough | August 31 |
| Bald, William, Jr. | Providence, R. I. | Spinning cotton yarn | September 20 |
| Beauchamp, David | Elizabethtown, Va. | Chain water wheel | October 4 |
| Burtus, William | New York | Baking and burning pans | October 10 |
| Blake, Edward | Hartford, Maine | Bee hive | November 7 |
| Brown, Josiah | New London, N. H. | Winnowing machine | November 16 |
| Burr, James | Johnstown, N. Y. | Machine for finishing leather | November 21 |
| Barstow, Charles C. | Exeter, N. H. | Making ramrods | November 21 |
| Bond, Thomas J. | Baltimore, Md. | Iron steamboats | November 21 |
| Crain, Eleazer | Springfield, Vt. | Making ropes | December 21 |
| Cooper, Peter | New York | Machine for towing boats | January 10 |
| Cooper, Peter | New York | Rotary from alternate motion | January 24 |
| Colville, Alexander A. | Little River, Maine | Gun locks | April 6 |
| Copley, William B. | Whitestown, Mass. | Elliptical cog-wheels | April 28 |
| Curtis, Elijah S. | Charlestown, Mass. | Whitewash brush | May 9 |
| Coit, Daniel | New York | Family pills | June 2 |
| Coon, Jab., & Benj. Hyde | Hartford, N. Y. | Propelling vessels | June 17 |
| | | | July 11 |

| | | | |
|---|-----------------------|---|-------------|
| Cunningham, R. P. | Pomfret, Conn. | Spiral helm wheel | August 3 |
| Cox, Benjamin | Hadley, Mass. | Washing machine | August 15 |
| Cluley, John, and Benjamin Stancliffe | Philadelphia, Pa. | Valve cock | November 8 |
| Dyster, Joseph J. | New York | Water-wheels for propelling boats | February 9 |
| Duplat, Mark M. | Charleston, S. C. | Privies | March 16 |
| Day, Henry and Jacob G. | New York | Locks | April 4 |
| Dauley, Edmund O. | Fredonia, Indiana | Machine for drawing water, &c. | May 12 |
| Dakin, Thomas | Harper's Ferry, Va. | Machine for draw grinding gun barrels | July 28 |
| Dencale, James | Dumfries, Va. | Mapping instrument | August 3 |
| Durkee, Harvey, assignee of J. Chittenden | Burlington, Vt. | Locks and catches, &c. | August 12 |
| Digges, George P. | Albemarle county, Va. | Substituting oil of cotton seed for linseed oil | December 16 |
| Dow, Lorenzo | Hebron, Conn. | Family medicine | November 24 |
| Edwards, John | New York | Violins and other instruments | February 17 |
| Eastman, R., and J. Jaquith | Brunswick, Mass. | Making clapboards | March 16 |
| Eyans, David | Alexandria, Va. | Napping hats | October 2 |
| Edmondston, Samuel S. | New York | Machine for sweeping chimneys | November 8 |
| Etienne, Pierre | New York | Wind mill | November 14 |
| French, D., and P. Bliss | Hamilton, Ohio | Gearing to propel boats | January 22 |
| Fraser, Simon | Nottingham, Md. | Tobacco press | March 23 |
| Fry, Henry | Harrisburg, New York | Making sugar | April 6 |
| Fisk, Daniel | Springfield, New York | Lever hydraulic machine | July 18 |
| Fowler, Maltby | New Haven, Conn. | Machine for hulling grain, &c. | July 28 |
| French, Richard | Morrisville, Pa. | Machine for cleaning rice | October 13 |
| Fiske, Jonathan | Medway, Mass. | Double speeder, No. 1 | December 7 |
| Fiske, Jonathan | Medway, Mass. | Double speeder, No. 2 | December 7 |
| Fiske, Jonathan | Medway, Mass. | Double speeder, No. 3 | December 8 |
| Fiske, Jonathan | Medway, Mass. | Double speeder, No. 4 | December 8 |
| Fiske, Jonathan | Medway, Mass. | Double speeder, No. 5 | December 8 |
| Fiske, Jonathan | Medway, Mass. | Double speeder, improvements combined | December 8 |
| Fisher, Jacob | Kennebec, Maine | Sleigh | December 30 |
| Guthrie, Rufus | Brimfield, Mass. | Improvement on W. Janes's corn sheller | January 18 |
| Griffiths, Elijah | Philadelphia, Pa. | Fireplace | March 6 |
| Gibbs, George | New York | Plough | March 8 |
| Gillet, Send, administrator of S. Gillet | Windsor, Conn. | Double forcing pump | April 6 |
| Giraud, John J. | Baltimore, Md. | Stoves, stills, and boilers | April 19 |

LIST—Continued.

| NAMES OF PATENTEES. | RESIDENCE. | INVENTION, DISCOVERY, OR IMPROVEMENT. | DATE OF PATEN |
|----------------------------|-----------------------|---------------------------------------|---------------|
| | | | 1820. |
| Giraud, John J. | Baltimore, Md. | Propelling boats | April 19 |
| Gray, Levi | Springfield, New York | Suction pump | May 9 |
| Goodell, Ezra | Phelps, New York | Thrashing machine | June 6 |
| Graham, John | Williamsburg, S. C. | Cotton press | June 17 |
| Gillaspie, James | Middletown, Md. | Smut machine | August 23 |
| Gates, N., and A. Maxwell | Delhi, New York | Tide wheel | September 13 |
| Gilmour, William | Smithfield, R. I. | Power loom | October 28 |
| Graves, Robert | Boston, Mass. | Laying readies up in cordage | November 22 |
| Graves, Robert | Boston, Mass. | Equalizing the strain on yarns | November 22 |
| Graves, Robert | Boston, Mass. | Laying cordage | November 22 |
| Giraud, John J. | Baltimore, Md. | Propelling vessels | November 22 |
| Holmes, William | Winchester, N. H. | Auger for boring gun barrels | April 4 |
| Hackley, Harvey | Herkimer, New York | Brewing by steam | April 21 |
| Howard, E., and J. Buffers | Boston, Mass. | Machine for splitting leather | May 3 |
| Howard, Samuel | Savannah, Georgia | Towing and warping boats | May 24 |
| Hatch, John | Baltimore, Md. | Making watch chains | June 5 |
| Hale, Elisha | Baltimore, Md. | Water wheel | July 5 |
| Haight, John and Nicholas | New York | Ingrained carpeting | August 12 |
| Henry, James | Maysville, Ken. | Longimeter, for finding longitude | September 13 |
| Henry, James | Maysville, Ken. | Clocks and watches | September 13 |
| Hubball, Ebenezer | Baltimore, Md. | Cock for drawing fluids | October 4 |
| Hunt, Ralph | Ontario county, N. Y. | Dowelling coopers' heading | December 11 |
| Hardy, Samuel and Enoch | Kennebec, Maine | Spinning tobacco | December 30 |
| Ives, Shaylor | Chillicothe, Ohio | Candle wick machine | May 17 |
| Jenkins, John W. | Hudson, New York | Constructing ploughs | July 6 |
| Kendall, Jonas | Lincoln, Mass. | Preparing oxymuriate of lime | January 28 |
| Keyes, Israel | Putney, Vt. | Cooking stove | February 23 |
| Keplinger, Samuel | Baltimore, Md. | Making watch chains | May 4 |
| Kenney, Robert | Augusta county, Va. | Propelling boats | June 17 |
| Krauser, Daniel | Reading, Penn. | Softening hides | August 18 |

| | | | | |
|-------------------------------|----------------------------|-------------------------------------|---|---------------|
| Kelley, Wm. A. and N. | { Littlestown, Mass. } | Shoemakers' work stand | - | October 13 |
| | and Concord, N. H. } | | | |
| Kirk, Joseph | - Weston, Vermont | - Shoeing horses | - | - November 8 |
| Lecke, Charles | - Ross county, Ohio | - Steam engine | - | - January 22 |
| Lamb, John | - Amboy, New Jersey | - Fire hearth for ships | - | - March 18 |
| Lowerce, William R. | - Flushing, New York | - Propelling boats | - | - March 29 |
| Lewis, Marshall | - Chenango, New York | - Aqueduct bridges, for canals, &c. | - | - April 12 |
| Lamb, John | - Hillsdale, New York | - Teaching grammar | - | - July 29 |
| Martin, John | - Woodstock, Conn. | - Mortise water lock, for doors | - | - January 15 |
| Martin, Saml., & Z. Chapin | - Ontario county, N. Y. | - Washing wheat, &c. | - | - January 18 |
| Martin, P. H. | - Nashville, Tenn. | - Elastic seat saddle | - | - February 23 |
| Marshall, P., and J. B. Smith | - Lambertsville, N. J. | - Plough | - | - March 3 |
| Mussey, Thomas | - New London, Conn. | - Gridiron | - | - March 6 |
| Merrill, P. H. | - Hinsdale, N. H. | - Hoe | - | - April 6 |
| Newell, Theodore | - Poultney, Vermont | - Heliogestrum | - | - April 12 |
| Norton, Alexander | - Goshen, Conn. | - Cheese casks and packing | - | - May 6 |
| Orbison, John | - Piqua, Ohio | - Bending knees for boats, &c. | - | - May 27 |
| Orbison, John | - Piqua, Ohio | - Head oar | - | - May 27 |
| Pool, Daniel | - Zanesville, Ohio | - Nail machine | - | - March 22 |
| Parsons, Osborne | - Pittsburg, Pa. | - Making salt | - | - April 4 |
| Parmly, L. S. | - New York | - Composition for cleaning teeth | - | - June 17 |
| Prince, James | - New York | - Wheel for propelling boats | - | - October 2 |
| Pease, Daniel Jr. | - Winfield, New York | - Smut machine | - | - October 31 |
| Russel, James | - New Bedford, Mass. | - Coating for ships' bottoms | - | - January 29 |
| Read, Nathan | - Belfast, Maine | - Flax mill | - | - May 8 |
| Redheffer, Charles | - Philadelphia, Pa. | - Gaining power by cog wheels | - | - July 11 |
| Ramsey, Alexander | - Philadelphia, Pa. | - Sewer mouth and stench trap | - | - October 3 |
| Raymond, Henry | - Baltimore, Md. | - Lathe for stiffening hats | - | - November 20 |
| Rowell, Thomas | - Hartford, Vt. | - Making wooden pegs for shoes, &c. | - | - November 24 |
| Swain, William W. | - New Bedford, Mass. | - Making spermaceti candles | - | - January 14 |
| Skinner, J. L., | - Hartford, Conn. and Sac- | | | |
| and S. F. Hooker | - ket's Harbor, N. Y. | - Machine for removing earth | - | - March 23 |
| Smith, Abiel | - Zanesville, Ohio | - Nail machine | - | - March 22 |
| Skinner, J. L. | - Hartford, Conn. | - Excavating canals | - | - May 3 |
| Stilwell, Stephen | - Bainbridge, N. Y. | - Water boiler and steam still | - | - June 14 |
| Smith, Eleazer | - Walpole, Mass. | - Press for straw bonnets | - | - July 15 |
| Simmons, Benjamin | - Paris, New York | - Wheel for spinning linen | - | - July 20 |

LIST—Continued.

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| NAMES OF PATENTEES. | RESIDENCE. | INVENTION, DISCOVERY, OR IMPROVEMENT. | DATE OF PATENT |
|---|-------------------------|---------------------------------------|----------------|
| | | | 1820. |
| Sellers, Nathan, administrator of David Sellers | Philadelphia, Pa. | Wire screens for rice, &c. | August 16 |
| Shattuck, Asa | Pepperill, Mass. | Thrashing machine | August 23 |
| Stevens, R. L. and E. A. | Hoboken, N. J. | Plough | September 20 |
| Sears, Nathan | Hudson, N. Y. | Machine for breaking bark, &c. | October 31 |
| Seaver, J., and J. Fay | Rockingham, Vt. | Cast iron plough | December 14 |
| Sabin, A. N. | Frankfort, Ky. | New application of steam power | December 30 |
| Treadwell, Ephraim | Philadelphia, Penn. | Bread finisher | January 10 |
| Town, Ithiel | Fayetteville, N. C. | Bridges | January 28 |
| Tomlinson, Daniel | Brookfield, Conn. | Currying knife | July 6 |
| Tilford, John M. | Rutherford county, Ten. | Vertical horse wheel | August 7 |
| Thwing, Lemuel | Dedham, Mass. | Passing boats up and down rapids | August 12 |
| Van Vechten, D. K. | New York | Ornamental binding | December 12 |
| Williams, Charles | Richmond, Va. | Railways and carriages | January 18 |
| White, Canvass | Whitestown, N. Y. | Water proof cement | February 1 |
| Williams, John | Cambridge, Mass. | Spruce beer | February 17 |
| Wadsworth, William | Hartford, Conn. | Fire engine | March 16 |
| Williamson, Per. | Baltimore, Md. | Coffee roaster | March 20 |
| Wilcox, Richard | Bristol, England | Distilling boilers, &c. | April 20 |
| Wilcox, Richard | Bristol, England | Rotary oven | April 20 |
| Winslow, Nathan | Portland, Maine | Cooking stove | May 3 |
| Woolworth, Azariah | Waterbury, Conn. | Machine for turning gun-stocks, &c. | June 15 |
| Wright, John S. | Greenwich, N. Y. | Plough | July 28 |
| Wright, Duncan | Medway, Mass. | Drying cloth by steam rollers | August 31 |
| Wadsworth, Eli | Hartford, Conn. | Weighing machine | September 7 |
| Wood, Chas., & G. Brundage | Blooming Grove, N. Y. | Plough | November 9 |
| Walker, Elihu | Aurora, N. Y. | Making saddles | November 16 |

I hereby certify, that the foregoing is a correct list of all the patents for inventions, discoveries, and improvements which have expired within the year 1834, furnished agreeably to an act of Congress, approved July 3d, 1832.

JOHN D. CRAIG, *Superintendent.*

PATENTS EXPIRED WITHIN THE YEAR 1835.

LETTER

FROM

THE SECRETARY OF STATE,

TRANSMITTING

*A list of all the patents for discoveries, inventions, and improvements,
which have expired within the year 1835, &c.*

JANUARY 14, 1836.

Read, and laid upon the table.

DEPARTMENT OF STATE,
January 13, 1836.

SIR: In compliance with the "Act concerning patents for useful inventions," approved July 3, 1832, I have the honor to report a list of all the patents for discoveries, inventions, and improvements, which have expired within the year 1835, and the names of the patentees alphabetically arranged.

I have the honor to be, sir,
Your most obedient servant,
JOHN FORSYTH.

The Hon. the SPEAKER
Of the House of Representatives.

LIST of Patents which have expired in the year 1835.

| Names of patentees. | Residence. | Inventions, discoveries, or improvements. | Date of patents. |
|-----------------------------|------------------------|---|-----------------------|
| Aborn, John - - | Nottingham, N. J. - | Dipping candles - - - | 1821. March 20 |
| Altoffer, John, and William | Harrisonburg, Va. - | Raising water by weight - - - | August 30 |
| Bushnell - - | Providence, R. I. - | Machine for roping and spinning wool, and by hand | January 23 |
| Brown, John - - | Turner, Me. - - | Lever press - - - | February 20 |
| Blake, Thatcher - - | New York, N. Y. - | Fire shield - - - | March 29 |
| Bulkley, Ralph - - | New Orleans, La. - | Machine for sifting lime - - - | April 14 |
| Blanc, jr., Evarestes, and | New York, N. Y. - | Distilling spirits - - - | April 27 |
| B. H. B. Latrobe - - | Newburg, New York - | Machine for making bricks - - - | May 17 |
| Blackie, Robert - - | Boston, Mass. - - | Manufacturing fire-engine hose - - - | May 30 |
| Belknap, Seth - - | Philadelphia, Penn - | Blocktin faucet - - - | June 4 |
| Boyd, James - - | New York, N. Y. - | Staining and printing silks - - - | June 29 |
| Bliss, Jonathan - - | Do. - - | Oblique water wheel - - - | August 7 |
| Bryan, Thos. and William | Providence, R. I. - | Vertical spinner - - - | August 11 |
| Bulkley Ralph - - | Somerset county, Md. - | Improvement in the saw-mill - - - | August 16 |
| Brown, John - - | New York, N. Y. - | Improvement in drydocks - - - | August 28 |
| Bruff, John - - | Harrisonburg, Va. - | Machine for spinning wool - - - | August 30 |
| Bulkley, Ralph - - | New York, N. Y. - | Making cocks for liquor - - - | September 24 |
| Bushnell, William, and J. | Do. - - | Right and left chain wheel - - - | Oct ^r or 8 |
| Altoffer - - | Ithaca, N. Y. - - | Making time-pieces - - - | October 25 |
| Bliss, Jonathan - - | Norfolk, Virginia - | Washing machine - - - | December 7 |
| Bulkley, Ralph - - | Livermore, Maine - | Improvement in the thrashing machine - - - | December 12 |
| Burritt, Joshua, and Wm. | | | |
| P. Burdick - - | | | |
| Barron, James - - | | | |
| Ballow, Seth - - | | | |

| | | | |
|---------------------------------------|------------------------|--------------------------------------|--------------|
| Baker, Stephen | New York, N. Y. | Improvement in steam boilers | December 13 |
| Converse, Elisha | Dayton, Ohio | Machine for cutting dye woods | January 10 |
| Chandler, Nathan, and Ezra Brown | Cazenovia, N. Y. | Harness for weaving | January 26 |
| Cary, Zachary | Oxford county, Maine | Machine for shearing cloth | February 20 |
| Cutler, David | Butler township, Ohio | Improvement in distilling | February 20 |
| Cock, Andrew | Flushing, N. Y. | Planting Indian corn | March 20 |
| Cofman, Josiah Franford | Philadelphia, Penn. | Manufacturing duck | July 9 |
| Cooke, Stephen | Marcellus, N. Y. | Smutting and hulling machine | August 7 |
| Cummings, Ben. | Brooklyn, N. Y. | Improvement in the thrashing machine | September 7 |
| Crey, Frederick | Baltimore, Md. | Improvement in chimneys | October 8 |
| Cook, John | Fayetteville, N. C. | Machine for packing cotton | October 12 |
| Covenhover, Ed. | Greenburg, N. Y. | Floating drydocks | October 30 |
| Cantile, William James | New York, N. Y. | Improvement in corsets | December 31 |
| Doxey, Biscoe S. | Baltimore, Md. | Machine for moving vessels | February 9 |
| Davis, Phineas | York, Penn. | Vibrating steam engine | February 17 |
| Deaves, Isaac | Philadelphia, Penn. | Cast iron mantel pieces | February 21 |
| Delano, Obadiah | Utica, N. Y. | Chimney and fire place | March 3 |
| Dawson, Nelson C., and Ambrose Rucker | Amherst county, Va. | Tobacco boats | April 3 |
| Donoghoe, Daniel | New York, N. Y. | Fanning mill | April 16 |
| Dixon, Peter | Philadelphia, Penn. | Riding saddle | April 25 |
| Douglass, John | New York, N. Y. | Liquor fount for taverns | June 25 |
| Dukes, James | Do. | Improvement in lamps | August 15 |
| Deltrehan, Nicholas N. | Germain county, La. | Raising water | December 13 |
| Dance, Aaron | Boston, Mass. | Water proof boots, &c. | December 31 |
| Deam, William | Pleasant Valley, N. Y. | Improvement in time-pieces | December 31 |
| Eversol, Jacob | Botetourt county, Va. | Tilt hammer | May 3 |
| Eveleth, John | Georgetown, D. C. | Mud machine | August 9 |
| Foster, Aaron | Whitestown, N. Y. | Teaseling and knapping cloth | August 24 |
| Fisher, Henry F. | Philadelphia, Pa. | Distilling apparatus | September 12 |

LIST—Continued.

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| Names of patentees. | Residence. | Inventions, discoveries, or improvements. | Date of patents. |
|-----------------------|----------------------|---|------------------|
| | | | 1821. |
| Falconer, William | New York, N. Y. | Cast iron plough | September 13 |
| Fuller, Francis | Do. | Machine for making candles | September 29 |
| Fors, John M. | Baltimore, Md. | Razor strops | October 2 |
| Finney, Bethuel | Readsborough, Vt. | Rocking sofa and chair | November 22 |
| Giraud, John James | Baltimore, Md. | Propelling vessels | January 3 |
| Graves, Robert | Boston, Mass. | Laying cordage | February 1 |
| Giraud, John James | Baltimore, Md. | Horizontal pedal water wheel | February 5 |
| Gould, William | McIntosh county, Ga. | Foot gin for cotton | February 20 |
| Graves, Robert | Boston, Mass. | Top sled for making cordage | March 28 |
| Gullup, William | Norwalk, Ohio | Wind and water wheel | March 29 |
| Gregg, James | Londonderry, N. H. | Improvement in the thrashing machine | March 30 |
| Grant, Joseph | Providence, R. I. | Machine for setting or putting up hats | August 11 |
| Goddard, Charles | New York, N. Y. | Improvement on Barker's mill | September 27 |
| Graham Charles M. | Do. | Improvement in fire grates | November 10 |
| Hart, Simeon | Monkton, Vt. | Cutting boots, &c. by rule | March 3 |
| Hunt, 2d, Russell | Litchfield, Ct. | Tiring carriage wheels | March 20 |
| Hance, Thomas C. | Palmyra, N. Y. | Improvement in the hay rake | June 25 |
| Haskell, Roger | Geneva, N. Y. | Navigable house | July 7 |
| Humes, John | Richmond, Va. | Machine for cutting and digging earth | November 10 |
| Herbin, Peter Francis | Paterson, N. J. | Metallic reeds for weaving | November 15 |
| Hart, Webb | Camden, S. C. | Setting saw teeth | December 7 |
| Howard, Horace | Wayne county, Ohio | Horizontal water wheel | December 26 |
| Hitchcock, David | New York, N. Y. | Cast iron plough | December 29 |
| Jarvis, Deming | Cambridge, Mass. | Opening glassmaker's moulds | February 2 |
| Jennings, Thomas L. | New York, N. Y. | Dry scouring cloths | March 3 |

| | | | |
|----------------------------------|------------------------|---|--------------|
| Jones, Francis | Do. | Machine for winding quills | May 23 |
| Jennings, Isaiah | Do. | Repeating rifle | September 21 |
| Do. | Do. | Chains for cables | October 29 |
| Kallenbach, Baltazar Ignace | Philadelphia, Pa. | Improvement in distilling and in the still | August 6 |
| Laporte, Peter | Louisa county, Va. | Improvement in the check bridle | March 20 |
| Lindsey, Noah | New York, N. Y. | Machine for shelling corn | March 28 |
| Langdon, Barnabas | Troy, N. Y. | Improvement in propelling boats | May 1 |
| Langdon, Reuben | Hartford, Ct. | Packing cotton and other threads | June 20 |
| Moody, Paul | Boston, Mass. | Machine for roping cotton | January 23 |
| Do. | Do. | Do. do. | February 19 |
| Do. | Do. | Double speeder | February 19 |
| Do. | Do. | Spinning frames | February 19 |
| Morgan, James | New York, N. Y. | Warping, dressing, and weaving calico goods | April 5 |
| Moore, John W. | Washington, D. C. | Machine for sweeping chimneys | August 8 |
| Morris, John J. | New York, N. Y. | Making saddles | August 28 |
| Magan, Thomas | Hempstead, N. Y. | Nail cutting machine | September 5 |
| Morrison, Michael | New Haven, Ct. | Thrashing machine | September 15 |
| Mestayer, Benjamin | New York, N. Y. | Machine for cutting ban boxes | November 13 |
| Marshall, Benjamin | Do. | Do. the steam bath | December 7 |
| Newbery, George John | Do. | Bronzing type printing | February 1 |
| Oliver, Benjamin Lyndee, | Salem, Mass. | Antifriction crank | March 9 |
| Oxley, Thomas | Norfolk, Va. | Land clearing machine | April 18 |
| Pomeroy, Elisha N. | New Haven, Ct. | Paste for razor strops | January 24 |
| Peck, Daniel | New York, N. Y. | Improvement in making boots and shoes | August 14 |
| Powers, Enoch | Hartford, Ct. | Mode of preserving ice | August 28 |
| Powles, Daniel | Baltimore, Md. | Improvement in bedsteads | October 31 |
| Pye, William | New York, N. Y. | Andirons for hearths | November 16 |
| Phelps, Oliver | Tompkins county, N. Y. | Elastic floor for boots | November 17 |
| Phelps, Oliver, and G. Morehouse | Tompkins county, N. Y. | Improvement in the plough | November 17 |
| Roozevelt, Henry, and A. J. | New York, N. Y. | Machine for shelling corn | January 20 |

LIST—Continued.

| Names of patentees. | Residence. | Inventions, discoveries, or improvements. | Date of patents. |
|--|------------------------|---|------------------|
| | | | 1821. |
| Ruggles, Elisha - | Rochester, Mass. - | Fire-fender - - - - | February 27 |
| Robbins, Thomas B. - | Stockbridge, Mass. - | Aqueduct pipes - - - - | March 19 |
| Rust, Samuel - - | New York, N. Y. - | Printing press - - - - | May 11 |
| Ring, George P. - | Red Hook, N. Y. - | Cast-iron plough - - - - | June 25 |
| Rose, Robert - | Washington, D. C. - | Machine for cutting trucks - - - - | August 6 |
| Richards, George H. - | New London, Ct. - | Improvement in carriages - - - - | August 8 |
| Reeve, George H., and Jos. Ritchan - - | Orange county, N. Y. - | Churning by dog power - - - - | August 10 |
| Richards, James - | Paterson, N. J. - | Making sail cloth - - - - | August 16 |
| Randolph, David M. - | Henrico county, Va. - | Water cement - - - - | September 26 |
| Ruggles, Lazarus - | New York, N. Y. - | Machine for cleaning rice, &c. - - - - | October 12 |
| Rowell, Thomas - | Hartford, Ct. - | Making trunnels, &c. - - - - | December 13 |
| Southworth, Elijah - | New York, N. Y. - | Hydrometer - - - - | February 28 |
| Shepard, Silas, and Cromwell Dean, - - | Taunton, Mass. - | Roping machine - - - - | March 23 |
| Stansburg, Abraham O. - | New York, N. Y. - | Spiral lever press - - - - | March 24 |
| Sandford, William - | Do. - | Horse mill - - - - | April 5 |
| Stansburg, Abraham O. - | Do. - | Printing press - - - - | April 7 |
| Swart, Adam - | Saratoga, N. Y. - | Churn - - - - | April 9 |
| Stewart, Jared S. - | Springfield, N. Y. - | Linen spinning-wheel head - - - - | April 19 |
| Stephens, Robert L., and Edwin - - | Bergen county, N. J. - | Cast-iron plough - - - - | April 23 |
| Do. do. - | Do - | Do. shares - - - - | April 23 |
| Stilwell, Stephen - | Bainbridge, N. Y. - | Water boiler and steam still - - - - | June 26 |
| Sanno, Frederick D. - | Philadelphia, Pa. - | Valve cock for liquids - - - - | June 29 |

| | | | |
|--|------------------------|--------------------------------------|--------------|
| Smith, George | New York, N. Y. | Anti-dyspeptic pills | August 7 |
| Schureman, William | Catskill, N. Y. | Constructing fire-places | August 8 |
| Sater, Joseph | Huntsville, N. C. | Curing blindness in horses | August 14 |
| Seely, Obadiah | Pottstown, Pa. | Cast-iron plough | August 27 |
| Simonds, Benjamin, jr. | Bedford, Mass. | Stove bottom boiler | October 15 |
| Do. | Do. | Oven door-flue | October 15 |
| Skidmore, Thomas | New York, N. Y. | Boilers for steam-engines | November 30 |
| Do. | Do. | Condensers for steam-engines | December 1 |
| Spencer, Elihu | New Haven, Ct. | Machine for hulling rice | December 5 |
| Tolson, Alexander | Georgetown, D. C. | Machine for pulverizing wood, &c. | June 2 |
| Thayer, jr., Amos | Albany, N. Y. | Steam wheel | August 8 |
| Thorp, John | Providence, R. I. | Braiding machine | August 10 |
| Taber, Benjamin | Fairhaven, Mass. | Machine for mincing whale blubber | August 11 |
| Thompson, George | Philadelphia, Pa. | Nail machine | September 15 |
| Trask, Edward, and John jr. | Oneida county, N. Y. | Improvement in the bark mill | November 22 |
| Thompson, Gabriel H. | Boston, Mass. | Plane sliding sector | December 4 |
| Vail, Daniel | Philadelphia, Pa. | Mode of cleaning furs, wools, &c. | February 20 |
| Vaught, John G. | New York, N. Y. | Anti-dyspeptic medicines | December 4 |
| Wood, John | Richmond county, N. Y. | Shifting plough | February 1 |
| White, Canvass | Whitestown, N. Y. | Water proof cement | February 17 |
| Warren, Josiah | Cincinnati, Ohio | Improvement in lamps | February 20 |
| Ward, Minns | Columbia, S. C. | Steam engine | March 23 |
| Woodward, Joshua | Portage county, Ohio | Carding machine | May 2 |
| Wiltsie, James | Fishkill, N. Y. | Keel and Kelson for seaboard vessels | May 4 |
| Wellford, Robert, and James H. Deas | Philadelphia, Pa. | Carpenters' plane | May 14 |
| Whittingham, Richard | New York, N. Y. | Improvement in making fire irons | June 8 |
| Ward, Allen | Huntsville, Alabama | Cutting out clothes by rule | June 16 |
| Winans, Ross | Warwick, N. Y. | Fulling cloth by steam | June 26 |
| Woodward, Frederick | Otsego county, N. Y. | Smut machine | August 10 |
| Walley, Thomas | New York, N. Y. | Sliding door locks and bolts | November 2 |

LIST—Continued.

| Names of patentees. | Residence. | Inventions, discoveries, or improvements. | Date of patent. |
|--------------------------|---------------------|---|-----------------|
| | | | 1821. |
| Winning, William - | New York, N. Y. - | Reticules and pocket-books - - - | November 7 |
| Williams, Charles - | Boston, Mass. - | Improvement in rail-ways - - - | November 16 |
| Williamson, Peregrine - | Baltimore, Md. - | Improvement in bedsteads - - - | December 6 |
| Walcott, Erastus - | Newport, N. Y. - | Manufacturing cotton yarn - - - | December 11 |
| Warren, Edmund - | New York, N. Y. - | Improvement in the loom - - - | December 11 |
| Wood, James C. - | Philadelphia, Pa. - | Ornamenting cloth - - - | December 14 |
| Wells, Gurdon and Sophia | Wethersfield, Ct. - | Making grass bonnets - - - | December 29 |
| Warrall, Henry - | New York, N. Y. - | Portable melting pot or cupola - - - | December 31 |
| Yard, Joseph M. - | Trenton, N. J. - | Moulding and wicking candles - - - | December 4 |

I hereby certify, that the foregoing is a correct list of all the patents for inventions, discoveries, and improvements, which have expired within the year 1835, furnished agreeably to an act of Congress, approved July 3, 1832.

HENRY L. ELLSWORTH,
Superintendent.

PATENTS FOR NEW INVENTIONS IN 1835.

LETTER

FROM

THE SECRETARY OF STATE,

TRANSMITTING

A list of the names of persons to whom patents have been issued during the year 1835, for any new or useful art, machine, &c. &c.

JANUARY 14, 1836.

Read, and laid upon the table.

DEPARTMENT OF STATE,

Washington, January 13, 1836.

SIR: In compliance with the resolutions of the House of Representatives of the 13th of January, 1812, and the 2d of April, 1830, I have the honor to transmit a list, prepared according to the form heretofore used, of the names of persons who have invented any new or useful art or machine, manufacture, or composition of matter, or any improvement thereon, and to whom patents have been issued for the same from this office, within the year 1835, with the dates and general objects of such patents, and also the residences of the patentees, as far as they could be ascertained; also, a list of the names of the patentees alphabetically arranged.

I have the honor to be, sir,

Your obedient servant,

JOHN FORSYTH.

The Honorable the SPEAKER
of the House of Representatives.

LIST of Patents granted by the United States during the year 1835.

AGRICULTURE.

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| Inventions or discoveries. | Names of patentees. | Residence. | When issued. |
|---|---|-------------------------|--------------|
| | | | 1835. |
| Bee hive - - - - - | Samuel Morrill - - - | Dixfield, Maine - - | January 16 |
| Bee hive - - - - - | Orlando Mack - - - | Gilsum, N. H. - - - | April 22 |
| Bee house - - - - - | William Groves - - - | Harrisburg, Pa. - - | June 12 |
| Coffee berry, machine for breaking | Isaac Adams - - - | Boston, Mass. - - - | January 13 |
| Coffee berry, machine for breaking outer husks of | Thomas Ditson - - - | Boston, Mass. - - - | January 13 |
| Clover seed huller - - - - - | Stacy West - - - | Harford county, Md. - | January 16 |
| Corn sheller and cleaner - - - - - | Robert Gray - - - | Northfield, N. H. - - | January 16 |
| Clover machine - - - - - | Joseph Ross - - - | Boundbrook, N. J. - - | February 6 |
| Corn sheller - - - - - | Jonathan H. Taylor and Aaron J. Cowles - - - | Westfield, N. Y. - - | February 11 |
| Cotton planter - - - - - | Michael Beam - - - | Buffaloe, N. C. - - - | February 13 |
| Corn sheller - - - - - | Ephraim Rand and Adna L. Norcross - - - | Hallowell, Maine - - | February 13 |
| Cotton seed and rice, hulling - - - - - | Jirah Kellogg - - - | New Hanover co., N. C. | March 30 |
| Cheese, machine for turning and curing - - - - - | Henry Webber - - - | East Richfield, N. Y. - | April 22 |
| Cotton seed and corn grinding machine - - - - - | James Martin - - - | Petersburg, Va. - - - | May 16 |
| Cotton roller gin - - - - - | William Whittimore, jr. - | West Cambridge, Mass. | May 29 |
| Cider mill, cast iron - - - - - | Philip Pryer - - - | Genesee county, N. Y. | May 29 |
| Clover and rice machine - - - - - | Brayley and Walker - - | Philips, Maine - - - | June 6 |
| Cheese press - - - - - | David Phelps - - - | Bangor, Maine - - - | June 12 |
| Cotton thinner - - - - - | Jordan Gatling - - - | Murfreesborough, N. C. | June 19 |
| Cotton planter - - - - - | Jordan Gatling - - - | Murfreesborough, N. C. | June 20 |
| Corn sheller - - - - - | Dunbar and Powers - - | Portland, Maine - - - | June 26 |

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|---|------------------------|-------------------------|--------------|
| Cotton, clover, and other seed huller | John Whiteman | Philadelphia, Pa. | June 26 |
| Corn planter | Thomas D. Burrall | Geneva, N. Y. | June 26 |
| Cultivator | Daniel Davis | Fredericksburg, Va. | July 17 |
| Corn sheller | John P. Small | Gilmanton, N. H. | July 21 |
| Corn sheller | Joseph Turner | Poland, Maine | August 15 |
| Corn sheller | Elijah Morse | Knoxville, Tenn. | September 9 |
| Cotton planter | Robert T. Goodman | Ballsville, Va. | September 18 |
| Corn sheller | James S. Harris | Poultney, Vt. | September 18 |
| Clover seed cleaner, &c. | Hiram Hoth | Wild, Maine | September 26 |
| Cotton seed hulling machine | Miller and Lawes | Washington county, Mis. | October 27 |
| Grass or grain cutter and rake | Abraham Rundel | Verona, N. Y. | April 22 |
| Grain cooler and sifter | Armstrong and King | New York | May 9 |
| Grass cutter | Sturdivant and Holmes | Portland, Maine | June 19 |
| Graineries, construction of, to preserve wheat, &c. | John Harmony | Chambersburg, Penn. | August 20 |
| Grass cutter and cradling machine | Edward Badlam, jr. | Chester, Vt. | September 18 |
| Grain and grass seed collector | D. Ashmore and J. Peck | Jefferson county, Tenn. | September 18 |
| Hemp and flax, machine for breaking | Ferdinando Stith | Franklin, Tenn. | April 22 |
| Hemp and flax, mode of preparing and hatchelling | John Goulding | Boston, Mass. | August 17 |
| Harrow, corn, &c. | Peter Clark | Aurora, N. Y. | August 20 |
| Mowing grass | John P. Chandler | Wilton, Maine | August 17 |
| Plough | David Ghormley | Wayne township, Ohio | February 13 |
| Plough | Nathan Robinson | Sacketts Harbor, N. Y. | February 13 |
| Plough, carey hull | Benjamin Johnson | Hickory Grove, Ill. | February 20 |
| Potatoes and roots, machine for washing | William Ellis | Waterville, Maine | February 25 |
| Plough | Joseph Tinkler | Warwick township, O. | March 2 |
| Plough | Nathan Baker | Penn. township, M. T. | March 24 |
| Plough | William Hess | Lower Saucon, Pa. | March 27 |
| Potatoes and carrots, machine for cutting | Jonathan Clarke | Hampton, Ct. | July 7 |
| Plough (Patented October 23, 1829. Reissued.) | Timothy Miller | Pittsburg, Pa. | July 17 |
| Plough | Samuel Cline | Pluinstead, Pa. | July 17 |
| Plough share, coulter, and mouldboard | William Holt | Buffalo, N. Y. | August 27 |

LIST OF PATENTS—AGRICULTURE—Continued.

| Inventions or discoveries. | Names of patentees. | Residence. | When issued. |
|--|-------------------------------------|-------------------------|--------------|
| | | | 1835. |
| Plough for breaking and cultivating sward ground | Guy Gray | Industry, Maine | September 18 |
| Plough | P. Stahland T. Diffenbasher | Turbut, Pa. | September 18 |
| Plough | William Walker | Washingtonville, Pa. | October 6 |
| Plough | Jarius S. Tefft | Amherst, N. Y. | October 17 |
| Plough coulters and shares | Samuel A. Sperry | Ann Arbor Vil. M. T. | October 27 |
| Plough, inverting hill side and horizontal | John W. Jordon | Lexington, Va. | October 28 |
| Rake, horse | Noah Briggs | New Hartford, N. Y. | February 11 |
| Rice, cleaning, polishing, and burnishing | William Scarbrough | Savannah, Ga. | April 14 |
| Rake, horse | James P. dney | Stanford, N. Y. | November 7 |
| Straw cutter | Nimrod Murphree | Nashville, Tenn. | January 21 |
| Smut and garlic machine | Abraham Hurst | Allen township, Pa. | January 23 |
| Straw cutter, improved | Stephen Ustick | Philadelphia, Pa. | February 5 |
| Smut and garlic machine | Thomas J. Sands and Benjamin Kendig | Washington towns'p, Pa. | March 18 |
| Straw cutter | John Deakyne | Petersburg, Va. | April 2 |
| Straw cutter | John W. Cope | Franklin county, Tenn. | April 22 |
| Straw cutter and corn sheller | William Denson | Morgan county, Ala. | May 2 |
| Straw cutter | Stephen Ustick | Philadelphia, Pa. | May 29 |
| Smut mill | John Card | Gainsville, N. Y. | June 20 |
| Straw cutter, &c. | James McMath | Crawford, Pa. | June 26 |
| Straw cutter | Ernst G. Augustin | New York | July 6 |
| Machine for sowing plaster, lime, &c. | Jehus Hatch | Great Bend, Pa. | August 17 |
| Straw, hay, cabbage, paper, &c. machine | Henry C. Jones | Salem township, Ohio | November 7 |
| Straw machine | Ashman Hall | Kent, N. Y. | November 7 |
| Smut machine | John Turk | Columbus, Pa. | November 7 |

| | | | |
|--|---|----------------------------|-------------|
| Screen, revolving, for cleaning grain, &c. | Edward P. Fitzpatrick | Mount Morris, N. Y. | November 14 |
| Smut machine | Edward P. Fitzpatrick | Mount Morris, N. Y. | November 14 |
| Thrashing machine | Luke Hale | Hollis, N. H. | January 7 |
| Thrashing machine and grain cleaner | Alexander Porter | New Vineyard, Me. | January 23 |
| Thrashing machine | Joseph Ross | Boundbrook, N. J. | February 6 |
| Thrashing machine | Thomas D. Burrall | Geneva, N. Y. | March 6 |
| Thrashing, hulling, and shelling machine | Jesse S. Dick | Genesee county, N. Y. | March 13 |
| Thrashing machine | David G. McCoy | Dublin, Md. | March 20 |
| Thrashing machine | William W. Ross | Chillisquaque town'p, Pa | March 30 |
| Thrashing machine | Luther Carman | Oxford, Maine | April 2 |
| Thrashing machine | William G. Johnson | Bridgetown, N. J. | April 3 |
| Thrashing machine | Samuel S. Allen | Saratoga Springs, N. Y. | April 3 |
| Thrashing machine | Henry Hebulung | Harrison county, Ohio | April 8 |
| Thrashing machine | James Whitehill | Frederick county, Md. | April 22 |
| Thrashing machine | Sneed and Carpenter | Albemarle county, Va. | May 9 |
| Thrashing machine | Washington F. Pagett | White Post, Fred. co., Va. | May 22 |
| Thrashing machine | Edmund Warren | New York | May 29 |
| Thrashing machine | Henry Johnston | Washington co., Tenn. | May 29 |
| Thrashing machine | William Laighton | Portsmouth, N. H. | June 6 |
| Thrashing machine, portable grain | H. and J. W. Edgar | Wayne county, Ohio | June 6 |
| Thrashing machine | T. Rucker, jr., assignee of P. Cheek | Murfreesborough, M. T. | June 12 |
| Thrashing machine clover | John P. Ridings | Hillsborough, Ohio | June 19 |
| Trees, &c. mode of felling | James Hamilton | New York | June 26 |
| Thrashing machine | Joseph Tyler | Brooklyn, Ct. | July 7 |
| Thrashing and hulling grass seeds | Samuel Gould | New Portland, Maine | August 15 |
| Thrashing machine for rice, &c. | William Mathewes | Charleston, S. C. | August 27 |
| Thrashing machine, grain, &c. | John Gearhart | Rush township, Pa. | August 27 |
| Thrashing machine for clover seed or rice | Moses Davenport | Philips, Maine | October 6 |
| Thrashing machine, chaffing straw | Russel Bradley | Williston, Vt. | October 6 |
| Thrashing machine, clover and timothy seed | A. Burgess and H. Baldwin | Washington, Ct. | October 10 |

LIST OF PATENTS.—AGRICULTURE—Continued.

| Inventions or discoveries. | Names of patentees. | Residence. | When issued. |
|--------------------------------|--|-----------------------|-----------------|
| Winnowing mill - - - - | Truman B. Brown | Locke township, N. Y. | 1835 March 6 |
| Winnowing machine - - - - | Jeremiah Nicols - - | Kent county, Md. - - | June 15 |
| Weevils, destroying, &c. . . - | James A. Lee, administra- tor of Jas. Lee, deceased | Maysville, Ky. - | August 17 |

FACTORY MACHINERY.

| Inventions or discoveries. | Names of patentees. | Residence. | When issued. |
|--|--|-----------------------|----------------------|
| Auger or bit - - - - | Ezra L. Hommedieu - - | Saybrook, Ct. - - | 1835. February 11 |
| Auger - - - - | William Jones - - | Portsmouth, Va. - - | June 12 |
| Auger and gimblets - - - - | Orville Percival - - | East Haddam, Ct. - - | October 14 |
| Brad cutter, revolving - - - - | Asa B. Woods and Ebe- nezer Talbot, jr. - - | Windsor, Ct. - - | February 13 |
| Brushes for blending colors, manufacturing - - | George M. Morris - - | Philadelphia, Pa. - - | March 6 |
| Bleaching and cleaning cloth - - - - | Calvin H. Farnham - - | Norwich, Ct. - - | August 15 |
| Band, spiral wheel - - - - | Samuel S. Walley - - | Chester, Pa. - - | August 17 |
| Brushes, art of making, &c. - - - - | William Steel - - | New York - - | August 17 |
| Cotton gin, boxing for - - - - | William S. Cooley - - | Norwich, Ct. - - | January 7 |
| Chest, iron, fire-proof (Patented April 12, 1833. Re- issued) - - - - | Charles A. Gayler - - | New York - - | April 3 |

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|---|---------------------------------------|--|--------------|
| Chisel, mortising | Charles Rhinehart | Marietta, Lancaster, co., Pennsylvania | April 8 |
| Chisel, mortising | George Page | Keene, N. H. | July 7 |
| Cloth, manufacture of | Freeman Wolcott | Stow, Mass. | July 21 |
| Chests, fire-proof, use of asbestos in manufacture of | John Scott | 83 Dock street, Philad'a | July 21 |
| Cloth, spreading and drying India rubber upon | William Atkinson | New York | August 15 |
| Candle wick, dipping and cutting | Willard Morey | Worcester, Mass. | August 15 |
| Cartouch box | Robert Dingee | New York | August 15 |
| Cloths, printing and dying woollen | William Duncan | Bellville, N. J. | September 18 |
| Cautchouc, cutting into shreds | William Atkinson | New York | October 6 |
| Cards, wool, in the doffer | Stephen H. Parkhurst | Providence, R. I. | October 10 |
| Cloth, calendering | Zenas Bliss | Johnston, R. I. | October 17 |
| Cotton whipper, oblique | Lucean Osgood | Abington post office, Ct. | October 27 |
| Comb, metallic hair | Nathaniel Bushnell | Middletown, Ct. | October 31 |
| Cloths, machine for winding up | J. Goulding & R. Bracket | Boston, Mass. | November 30 |
| Evaporating machinery and condensing, for cloths | J. Goulding & R. Bracket | Lynn, Mass. | August 15 |
| Fur cutting machine, reciprocating | Curtis M. Lampson | New York | February 5 |
| Fur skins, machine for extracting hair from | Sam. G. Ladd, assignee of Seth Graham | Farmington, Me. | March 27 |
| Flat or sad iron | William Wilson | Greenfield, Mass. | March 27 |
| Fur substitute for dressed fur skins | Allen Belden | Hudson, N. Y. | April 22 |
| Fulling mill stocks, propelling | Elisha S. Norris | Moumouth, Me. | July 7 |
| Glazing machine for cottons (Patented July 25. 1833. Reissued.) | Stukeley Turner | Cranston, R. I. | October 6 |
| Hair brushes | Joseph B. Burgess | New York | April 14 |
| Hat bodies, stiffening | Henry Blynn | Newark, N. J. | May 9 |
| Hats, caps, bonnets, &c. making | Elisha Pratt | Cambridge, Mass. | May 16 |
| Hat blocks to color hats | A. and S. Chichester | Wilton, Ct. | May 29 |
| Hemp, flax, tow, &c. preparing and hatchelling | John Goulding | Boston, Mass. | October 10 |
| Hinges and tubes, machine for making | William Shaw | Buffalo, N. Y. | October 22 |
| Loom, power | David Whitman | Windham, Ct. | March 20 |

LIST OF PATENTS—FACTORY MACHINERY—Continued.

| Inventions or discoveries | Names of patentees. | Residence. | When issued. |
|---|---------------------------------|-------------------------|--------------|
| | | | 1835 |
| Loom, power | William G. Gavit | Washington co., R. I. | April 8 |
| Loom for weaving figured work | John Smith | Shafterstown, Pa. | April 22 |
| Loom, damask | Tompkins and Gilroy | North Providence, R. I. | May 9 |
| Lock, mortise, and latch | J. G. Hotchkiss | New Haven, Ct. | June 19 |
| Loom for weaving coverlets, &c. (Patented March 1, 1834. Reissued.) | Meily, J., jr., and S. Melinger | Lebanon, Penn. | June 26 |
| Lathe, coopers | Isaac Hoover | Miamensburg, Ohio | July 2 |
| Latch and lock for doors | Albert Bingham | Unity, Maine | July 7 |
| Looms, constructing | Oliver C. Burr | Millbury, Mass. | July 17 |
| Looms, power, the taking up motion | Amasa Stone | Johnston, R. I. | August 17 |
| Looms for weaving stocks | Conrad Kile | Erie, Penn. | September 18 |
| Looms, power, for silks | Gamaliel Gay | Poughkeepsie, N. Y. | September 26 |
| Locking number of drawers | Edward Brown | Lynchburg, Va. | October 28 |
| Loom, power, for weaving stock frames | F. Goodell and F. W. Harvey | Ramapo, N. Y. | December 2 |
| Locks, door, and other fastenings | J. R. Cambell and H. C. Cambell | Charlestown, Mass. | December 28 |
| Nail machine, nippers for reeds | Stephen Chubbuck | Wareham, Mass. | January 13 |
| Nail machine, wrought | Samuel G. Reynolds | Providence, R. I. | March 18 |
| Napping machine, metallic | Reuben Daniels | Woodstock, Vt. | June 26 |
| Paper machine | John Ames | Springfield, Mass. | February 20 |
| Press, vertical cutting, for paper | Benjamin Morris | Oxford, N. Y. | February 15 |
| Rolling machine for metals | Isaac Hinman | New Haven, Ct. | April 22 |
| Rules, carpenters joint | Lemuel Hedge | Brattleborough, Vt. | April 22 |
| Roving, spinning, and doubling cotton, silk, &c. | James Jones | Manchester, England | May 16 |

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|---|---|---|---|-------------------------|---|--------------|
| Ruling machine, paper | - | James C. Teasdale | - | Dansville, N. Y. | - | June 15 |
| Reeds, headles. or harness | - | Jeptha A. Wilkinson | - | Providence, R. I. | - | July 17 |
| Rags, machine for cleaning, paper (Patented January 13, 1828. Reissued.) | - | William Debit | - | Hartford, Ct. | - | July 21 |
| Ropes, machine for serving | - | James Fales | - | New Bedford, Mass. | - | August 20 |
| Ropes, machine for laying | - | John Goulding | - | Boston, Mass. | - | October 10 |
| Shovels, scoop, manufacturing | - | John and William Smith | - | Williamstown, Mass. | - | February 25 |
| Shears, tailors' | - | John Andrews, assignee of Rochius Heenisch | - | New York | - | March 11 |
| Spindle, rotary and stationary | - | Charles Jackson, Stephen S. Potter, and John Mil- ler | - | Providence, R. I. | - | April 2 |
| Spinning and twisting straw, hay, &c. | - | Philo G. Sheldon | - | Winchester, Ct. | - | April 8 |
| Silk, machine for throwing or twisting | - | Lucillius H. Mosely | - | Poughkeepsie, N. Y. | - | May 9 |
| Spinner, accelerated | - | Leonard Norcross | - | Dixfield, Maine | - | June 15 |
| Spring wire door | - | John Codman | - | Boston, Mass. | - | August 17 |
| Silk, unwinding from cocoons, &c. | - | Gamaliel Gay | - | Poughkeepsie, N. Y. | - | August 17 |
| Spinning hemp and flax | - | Andrew Caldwell | - | Lexington, Ky. | - | August 20 |
| Spindle, dead | - | Henry G. Davis | - | Northborough, Mass. | - | September 9 |
| Stamps for post and other offices | - | Benjamin Chambers | - | City of Washington | - | September 9 |
| Speeder, double | - | William Field | - | North Providence, R. I. | - | October 6 |
| Silk worms, hurdle for rearing | - | Gamaliel Gay | - | Poughkeepsie, N. Y. | - | October 6 |
| Springs of sofas, chairs, &c. | - | Edmond Cherrington | - | Boston, Mass. | - | November 23 |
| Tinter bar, circular revolving, for drying cloth, &c | - | Stephen R. Parkhurst | - | Wooster, Mass. | - | October 28 |
| Wool combing | - | Samuel Couillard | - | Boston, Mass. | - | July 7 |
| Wool cleaning | - | Michael H. Simpson | - | Boston, Mass. | - | July 7 |
| Wool or flax to brush into teeth | - | William W. Calvert | - | Lowell, Mass. | - | September 18 |

LIST OF PATENTS—COMMON TRADES.

| Inventions or discoveries. | Names of patentees. | Residence. | When issued. |
|---|---|-------------------------------------|--------------|
| | | | 1836 |
| Awls, drills, &c. setting | Erastus B. Bigelow, and Stephen P. Brigham | West Boyleston town- ship, Mass. | January 27 |
| Auger for boring large holes | Nicholas J. Lampman | Coxackie, N. Y. | April 8 |
| Axletrees, diminishing friction in | Benjamin Hinkley | Fayette, Kennebec coun- ty, Me. | April 14 |
| Auger | William Jones | Portsmouth, Va. | June 15 |
| Anthracite coal, machine for cracking | Jonathan S. Hubbell | New York | August 17 |
| Bedstead machine | Aaron Stedman | Pittsford, N. Y. | January 16 |
| Barrel manufacturer | John Squier | Salina, N. Y. | January 21 |
| Brick striker | Peleg Sweet | Ashtabula, Ohio | Feb. 20 |
| Beds, application of palm-leaves for stuffing | Joseph C. Smith | Cambridgeport, Mass. | April 3 |
| Brick pressing machine | Nathan Sawyer | Mount Vernon, Ohio | April 8 |
| Boots, machine for blacking and cleaning | John Folsom | Hallowell, Me. | April 14 |
| Bedsteads | Benjamin F. Berry | Utica, N. Y. | April 22 |
| Bungs, machine for cutting | George D. Gates | Hartford, Ct. | May 2 |
| Boots, manufacturing by the hinge or boot cramp | Nathan Ayer | St. Johnsbury, Vt. | June 19 |
| Brick machine | J. M. Bannister | Phelps, N. Y. | June 19 |
| Boarding machine for softening skins | Eli Kendall | Asby, Mass. | June 19 |
| Brick press | William Wadsworth | Hartford, Ct. | June 26 |
| Brick machine | George W. Gilbert | Pittsburg, Pa. | August 15 |
| Brushes, art of making | William Steel | New York | August 17 |
| Brick press | Nathan Read | Belfast, Me. | August 20 |
| Bedstead for the sick | Nathaniel Richardson | Boston, Mass. | September 9 |
| Beds, conical spring | W. J. and A. E. Lyman | East Hampton, Mass. | September 18 |
| Box setter for boring in hubs, &c. | Edward Badlam, jr. | Chester, Vt. | September 18 |

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| Boots, machine for turning | H. Blodget, & H. Boynton | Rowley, Mass. | September 26 |
| Bedstead | Perry Prettyman | Georgetown, Del. | September 26 |
| Bricks and tile | Benton P. Coston | Stirling, Pa. | October 22 |
| Boots, bootées, &c. cutting the uppers of | Jos. F. Buck | New Canaan, Ct. | October 27 |
| Bedstead and mattress | Edmund Cherrington | Boston, Mass. | November 23 |
| Boots and shoes, water-proof | David Clarkson | New York | December 2 |
| Brick, machine for pressing and delivering | Ulysses Ward | City of Washington | December 15 |
| Brick, machine for making, &c. tiles | Benjamin Hamblet | Portland, Me. | December 28 |
| Churn | Iram Brewster | Schoharie county, N. Y. | January 7 |
| Churn, spiral spring | Lewis Hinkson | Hallowell, Me. | January 7 |
| Churn | Francis Cotton | New York | January 9 |
| Churn, and washing machine | Ira Parke | Delhi, N. Y. | January 16 |
| Collars, horse, cutting tops of | Timothy Deming | East Hartford, Ct. | March 6 |
| Churn | Benjamin Randall | North Pownal, Me. | March 11 |
| Combs for the hair | George Hooker | Bristol, Ct. | April 3 |
| Churning machine | Samuel Clarke | Parkman, Me. | April 22 |
| Comb, teeth cutting | Lemuel Adams | Redding, Ct. | May 2 |
| Churning machine | Michael Knight | Pownal, Me. | May 9 |
| Churn | Philip S. Lowell | Farmington, Me. | May 29 |
| Churn and washing machine | Charles Otis | Finksburg p. o. Md. | June 12 |
| Churn | Isaac Wood | Fayette county, Ind. | June 26 |
| Churn | Oliver Wyman | Dedham, Mass. | July 17 |
| Churn, cutting floats of | Reading Ryerson | Jay, Me. | July 17 |
| Coffins of artificial stone or marble | John White | New York | July 18 |
| Churn | Hiram Phelps | Williston, Vt. | July 21 |
| Churn | Russel Bradley | Williston, Vt. | July 21 |
| Churn | William A. Herrick | Green, Me. | July 21 |
| Churn | Joseph Turner | Poland, Me. | August 15 |
| Churn | Caleb Angerine | New York | August 17 |
| Churn | Clifton C. Stearns | Bucksport, Me. | August 17 |
| Chairs | Eli F. Benjamin | Utica, N. Y. | August 17 |

LIST OF PATENTS—COMMON TRADES—Continued.

| Inventions or discoveries. | Names of patentees. | Residence. | When issued. |
|---|------------------------------------|------------------------|--------------|
| | | | 1835 |
| Churn, and washing machine | Thomas Ling | Winthrop, Me. | September 9 |
| Coopers' working off tool | Milancton Sutton | Penfield, N. Y. | September 9 |
| Churn, propelled by weights | Asahel Bacon | Windsor, N. Y. | October 10 |
| Crackers and biscuit cutting | T. and T. H. Havener | Washington, D. C. | October 17 |
| Crackers and biscuit cutting | W. R. Nivens | New York | October 17 |
| Crackers and biscuit cutting | Levin P. Clark | Baltimore, Md. | November 7 |
| Collars, horse | Henry C. Call | Sterling, Ct. | November 14 |
| Doors, gates, &c. closing | Oliver Davidson | Ballstown Spa, N. Y. | March 30 |
| Feathers, machine for dressing and cleaning | Orestes Badger | Otsego, N. Y. | April 22 |
| Flasks and patterns for moulding iron tea kettles | David Stewart | Danville, Penn. | June 26 |
| Felloes, bending | Edward Reynolds | Haddonfield, N. J. | July 17 |
| Felloes, cutting machine | Brown and Barker | Philips, Maine | October 14 |
| Felloes, cutting machine | Bradley and Worthley | Philips, Maine | October 14 |
| Feathers, machine for dressing, (Patented Feb. 17, 1834. Reissued.) | George Reynolds | East Hartford, Ct. | October 17 |
| Feathers, machine for dressing and purifying | Barth. Smith | Schodiack, N. Y. | November 23 |
| Garments, measuring and marking out coats | Allen Wafd | Philadelphia, Penn. | January 7 |
| Grater | Ebenezer B. Strong | Buffalc, N. Y. | August 27 |
| Grooving planes | James Herman | Lancaster, Ohio | August 27 |
| Hoops, truss making | Tristram Burgess and Simon Burgess | Livonia, N. Y. | January 21 |
| Hames, fastening horse | Timothy Taylor | Loudon county Va. | March 11 |
| Hoes | Isaac Hinman | Hamden, Ct. | April 22 |
| Hame, collars, blocking and stretching | Milven Eddy | Adams, N. Y. | April 22 |
| Hames, wood supersede use of collars | Serino Norton | East Bloomfield, N. Y. | June 12 |

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| Hoops and barrels, dressing machine | Kimball, Perry, and Spalding | Peterborough, N. H. | September 18 |
| Horse collars, machine for making | Caleb Angevine | New York | October 27 |
| Horse collars | Henry C. Call | Sterling, Ct. | November 14 |
| Hair, machine for extracting from skins | Nahum Swett | Readfield, Maine | November 14 |
| Horse shoes, machine for making | Henry Burden | Troy, N. Y. | November 23 |
| Knife, currying, and double trimmer | Luther Townsend | Farmington, Maine | January 16 |
| Knobs, glass screw for | Orrin Newton | Pittsburg, Penn. | October 17 |
| Leather finisher | Cushman Bassett | Boston, Mass. | March 25 |
| Lathe for turning irregular forms | Cullen Whipple, Jonathan Sprague and Milton T. Whipple | Douglass, Mass. | April 3 |
| Lathe cutting machine | David M. Cradit | Ithaca, N. Y. | May 22 |
| Leather, machine for splitting and pairing | Herrick Aiken | Middlesex, Mass. | June 12 |
| Lathe for turning rake, &c. handles | James Haven | Newport, N. H. | October 14 |
| Laths, machine for cutting and splitting | Barnabas Langdon | Troy, N. Y. | December 15 |
| Meat cutter | John Morris | Derby, Ct. | February 25 |
| Mortising machine | Grove Bradley | Auburn, N. Y. | February 25 |
| Mortar machine and masons' tender | Samuel Whitman | Danville, Illinois | March 11 |
| Mortising and tenoning machine | Erastus M. Shaw | Brooklyn, N. Y. | April 8 |
| Mortising and tenoning for sash doors and blinds | Ira Gay | Dunstable, N. H. | May 29 |
| Mortar, machine for mixing, and hoisting brick | Jesse Rinehart | Danville, Illinois | June 6 |
| Mortising machine | Jonathan Page | Henniker, N. H. | June 12 |
| Mortising and tenoning | Joseph H. Darby | Llominster, Mass. | June 15 |
| Mortar mixing machine, &c. | Everhart and Swimley | City Washington, D. C. | June 20 |
| Mortising machine | Israel J. Richardson | Palmyra, N. Y. | July 7 |
| Mortising machine | Imla Wright | Centre Antrim, N. H. | July 17 |
| Mortising and tenoning timber (Patented October 8, 1827. - Reissued.) | Charles Gates | Centre Antrim, N. H. | September 26 |
| Moulds for making loaf sugar machine | John McClintic | Chambersburg, Pa. | October 22 |
| | Charles Duncan | Williamsburg, N. Y. | October 27 |

LIST OF PATENTS—COMMON TRADES—Continued.

| Inventions or discoveries. | Names of patentees. | Residence. | When issued. |
|---|--|--------------------------------|--------------|
| | | | 1835. |
| Mortising machine | John McBride | Richmond, Indiana | November 26 |
| Planing machine, improvement on Woodworth's | Artemas L. Brooks | Lowell, Mass. | January 7 |
| Planing machine for window sash | Ira Gay | Dunstable, N. H. | May 29 |
| Planing machine | Fisher Stedman | Aquackanckin, N. J. | August 17 |
| Planing machine | Reid R. Throckmorton | New York | October 6 |
| Planing machine | Reid R. Throckmorton | New York | October 22 |
| Planing machine | McLaughlin and Hill | Sunderland, Vt. | October 28 |
| Rake tooth machine | Giles Dayton and William Stedman | Blanford, and Springham, Mass. | January 13 |
| Refrigerator | John Waring | Port Tobago, Va. | June 12 |
| Roofs, tin, copper, and zinc | John Bouis | Baltimore, Md. | June 26. |
| Roofs, form and shape of bricks for | James Parker | Gardiner, Maine | August 15 |
| Roofs, covering with tin, iron, &c. | Charles Bonycastle | Leesburg, Va. | August 17 |
| Roofs, covering with tin and other metal | Phineas Burgess | Brooklyn, N. Y. | October 17 |
| Razors, application of polishing slate for sharpening | William Child | Baltimore, Md. | December 15 |
| Sausage machine | James Burns and John Walter | Waynesborough, Pa. | January 16 |
| Stave saw | Harvey Holmes | New Marlborough, Mass | January 21 |
| Stave saw | Hart Pepper | Southwick, Mass. | February 5 |
| Saw, use of | Anson Field | Jerico, Vt. | March 6 |
| Sausage machine | Peter Fanestock and John Monn, jr. | Quincy, Penn. | March 11 |
| Stone, glass, &c., grinding and polishing | Peter Cooper | New York | March 24 |
| Shingle, metallic for roofs | Chade Southwick and Israel J. Richardson | Palmyra, N. Y. | April 8 |

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|--|--|------------------------|--------------|
| Shives for blocks, friction bushes or boxes | Lewis Aspinwall | Albany, N. Y. | April 22 |
| Saddle seat spring | Bayliss and Brannon | Fredericksburg, Va. | May 16 |
| Stone sawing machine | Joseph L. Dutton | Philadelphia, Penn. | May 22 |
| Saw set | Herrick Aiken | Middlesex, Mass. | June 12 |
| Staves, machine for shaving, and heading and shingles | John Everhart | Waynesville, Ohio | June 12 |
| Saddle, spring seat, riding | Palmer and Beards | Greenville, Va. | June 12 |
| Shingles, shaving and jointing (Patented March 15, 1834. Reissued) | Samuel B. Chapman | Camden, N. J. | June 12 |
| Sausage machine | A. and J. Keagy | Morrison Cove, Pa. | June 15 |
| Saddles, riding, of gum elastic webbing | A. L. Vanhorn | Philadelphia, Pa. | June 26 |
| Shoes, water proof | Ernst G. Augustin | New York | July 6 |
| Saw set | Theodore Taylor | Port Deposit, Md. | August 15 |
| Shoe pegs splitting machine | Mark Wilder | Peterborough, N. H. | August 15 |
| Shingles, sawing | Daniel B. Moore | Stafford county, N. H. | August 15 |
| Saddle tree, ladies' | John M. Bouton | Newark, N. J. | August 17 |
| Stocks, neck | Thomas Goodrum | New York | August 27 |
| Shingles and staves, shaving | William W. Wilkinson | Wayne, Ohio | September 26 |
| Saddle spring | Joel Woodward | Mashaltown, Pa. | October 6 |
| Staves and shingle machine, and heading for barrels | Everhart, Pearson, Morford, and Everhart | Wayne, Ohio | October 6 |
| Staves, cutting, from steamed timber | George Pack | Sullivan, N. Y. | October 10 |
| Staves dressing machine | Joseph Sweet | Borough of Muncey, Pa | October 28 |
| Spring saddle | Adam Hickman | Abington, Va. | November 23 |
| Spring saddle | Charles Bates | Staunton, Va. | November 26 |
| Saw for cutting timber | John Ruthven | New York | November 30 |
| Trunk and settee | Benjamin Morris | New Richmond, Ohio | January 16 |
| Trip hammer | Heman Redfield | Grafton, Mass. | March 6 |
| Tin ware, machine for seaming | James Redheffer | Bridgeton, N. J. | March 6 |
| Tobacco, chewing, manufacturing, called Roanoke leaf | Edw. Chassaing | Baltimore, Md. | March 24 |

LIST OF PATENTS—COMMON TRADES—Continued.

| Inventions or discoveries. | Names of patentees. | Residence. | When issued. |
|--|--|-------------------------|--------------|
| | | | 1835. |
| Tenons, cutting on the ends of wheel spokes, &c. - | William Gerrish - | Portsmouth, N. H. - | July 21 |
| Tailor's apparatus for measuring - | John S. Rockafellow - | Flemington, N. J. - | September 18 |
| Teeth cutting and punching machine - | Andrew T. Mirvin - | borough of Muncy, Pa. - | October 28 |
| Tailor's measure for laying out garments - | Frederick A. Fairchild - | Columbus, Georgia - | October 31 |
| Tobacco press - | John W. Weems - | West River, Md. - | December 15 |
| Window sash springs and catches - | Menso L. Stevens - | Waterburg, Ct. - | January 9 |
| Washing machine - | Stillman Roberts - | Portland, Maine - | January 16 |
| Washing machine - | Amos C. Haniford - | Northfield, N. H. - | February 6 |
| Water closet - | James Stone - | New York - | March 11 |
| Washing machine - | Stephen A. McGeorge - | Alexander, N. Y. - | March 24 |
| Window and door blinds - | Seril Steere - | Gloucester, R. I. - | March 25 |
| Washing machine - | Ezra Whitman, jr. assignee of Ezra Whitman. - | Winthrop, Maine - | March 27 |
| Window sash bolt and spring - | Marcus Merriman, jr. - | New Haven, Ct. - | April 14 |
| Washing machine, &c. - | John Snyder, jr. - | New York - | May 2 |
| Washing machine - | Philo Hunt - | Litchfield, Ct. - | May 2 |
| Washing machine and churn - | Mitchel and Fairbanks - | Readfield, Maine - | May 9 |
| Washing machine - | Jacob Sager - | Harrisonburg, Va. - | May 9 |
| Washing clothes and other cloths - | John T. Denniston - | Alexander, N. Y. - | May 22 |
| Window shades, curtains, maps, &c. machine for rolling up - | Henry Lawson - | Boston, Mass. - | July 17 |
| Washing machine - | Asa W. Soule - | Portland, Maine - | July 18 |
| Washing machine - | David Warren - | Winthrop, Maine - | August 27 |
| Washing machine - | William and J. D. Collins - | Norwich, Ct. - | August 27 |
| Washing clothes and fulling cloth - | Orin D. Wade - | China, N. Y. - | September 9 |

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|------------------------|--------------------------|---------------------|--------------|
| Washing machine | James Lombard | Readfield, Maine | September 9 |
| Washing machine | J. J. and E. C. Milliken | Winthrop, Maine | September 26 |
| Washing machine | John O. Geer | Norwich, Ct. | October 10 |
| Window sash, cast iron | James S. Stoddard | Macedon, N. Y. | October 14 |
| Washing machine | Henry Ault | Philadelphia, Tenn. | October 14 |
| Washing machine | Isaac Spicer | Norwich, Ct. | October 17 |

LAND WORKS.

| Inventions or discoveries. | Names of patentees. | Residence. | When issued. |
|---|--------------------------------------|--------------------|--------------|
| | | | 1835. |
| Bridges, improvement on his | Ithiel Town | New York | April 3 |
| Bridges, constructing | George Law | Easton, Pa. | June 12 |
| Bridges, &c. | Richard T. L. Witty | Lowell, Mass. | October 14 |
| Chains and ropes, using on canals and rail-roads | John M. Palisse and Sidney S. Durfee | Hudson, N. Y. | February 25 |
| Car, rail-road | John Withers | Bart township, Pa. | March 25 |
| Carriages, cars, wagons, &c. rail-road | James Herron | Richmond, Va. | March 25 |
| Carriage frame for rail-road cars | Heinrich Bachman | Lancaster, Pa. | May 2 |
| Carriages, measuring distance travelled by | Fuller & Richardson | Brunswick, Maine | May 29 |
| Excavating and removing earth | Nathan Currier | Methuen Mass. | May 29 |
| Locomotive engines, wheels and boiler tubes for rail-road | M. W. Baldwin | Philadelphia, Pa. | August 17 |
| Propelling cars, boats, &c. by condensed air | Alexander McGrew | Cincinnati, Ohio | October 27 |
| Platform turning for rail-roads | David Evans | Penn township, Pa. | November 26 |
| Roads, constructing, with cement | Joseph Robey, jr. | Albany, N. Y. | August 17 |
| Rail-road, revolving platform | John Tustin | Philadelphia, Pa. | September 9 |
| Rail-road cars, easing the shock in stopping | Charles Davenport | Cambridge, Mass. | September 9 |

LIST OF PATENTS—LAND WORKS—Continued.

| Inventions or discoveries. | Names of patentees. | Residence. | When issued. |
|---|------------------------|----------------------|--------------|
| | | | 1835. |
| Rail-road cars, turning with facility - - | Anthony Shermer - | Philadelphia, Pa. - | September 9 |
| Rail-road, turning short curves on (Patented 23d August, 1831. Reissued) - - | James Stimson - | Baltimore, Md. - | September 26 |
| Rail-road, cast or wrought iron plates, &c. for (Patented 23d August, 1831. Reissued) - - | James Stimson - | Baltimore, Md. - | September 26 |
| Rail-road, construction of the curves - - | Roswel Bourne - | Lancaster, Mass. - | October 10 |
| Roads, constructing - - | Thomas Earle - | Burlington, N. J. - | October 14 |
| Rail-road car, self-adapting - - | George W. Cleaveland - | Baltimore, Md. - | October 14 |
| Rail-road, self-adjusting - - | W. T. James - | New York - | October 27 |
| Rail-road, construction of - - | Elisha Johnson - | Rochester, N. Y. - | November 23 |
| Rail-road, application of power to the breakers of - | John K. Smith - | Port Clinton, Pa. - | December 2 |
| Rock, machine for drilling - - | Aaron W. Vancleve - | Stonington, Ct. - | December 2 |
| Stump extractor - - | Henry Gordon - | Fountain Dale, Pa. - | January 16 |
| Stone eradicator - - | John C. Blauvelt - | Newton, Ct. - | March 2 |
| Stump and rock extractor - - | Leonard Norcross - | Dixfield, Maine - | June 15 |
| Wheels for rail-road cars - - | John Baker - | Lancaster, Pa. - | March 20 |
| Wheels and axletrees - - | Aaron Hale - | Boston, Mass. - | April 2 |

NAVIGATION.

| Inventions or discoveries. | Names of patentees. | Residence. | When issued. |
|---|-------------------------------------|-------------------------|--------------|
| | | | 1835. |
| Boat, fishing | John Donn | Washington, D. C. | March 6 |
| Boat for canals and rivers | Anthony Plantou | Philadelphia, Pa. | March 18 |
| Boat, screw for propelling | Edward P. Fitzpatrick | Mount Morris, N. Y. | November 23 |
| Boat, sheet iron twin, for canals | Luman Parmelee | Poughkeepsie, N. Y. | November 26 |
| Capstans for ships | Calvin Oaks | Rochester, N. Y. | May 16 |
| Canals, disengaging horses in navigating | Gotlieb Shultz | Philadelphia, Pa. | September 9 |
| Canal boats for the transshipment of merchandize | James O. Conner | Philadelphia, Pa. | October 14 |
| Canals, transportation on, and rail-roads | John Elgar | Baltimore, Md. | November 7 |
| Docks, floating dry | Jonathan Hawes | Cayuga county, N. Y. | April 22 |
| Docks, floating dry | Rufus Porter | Bellerica, Mass. | November 14 |
| Docks, floating dry | J. R. Campbell and J. S. Withington | Boston, Mass. | November 28 |
| Diving dress | John R. Cambell | Boston, Mass. | November 30 |
| Mast and truss hoops, bending | Jonathan Mulford | Northern Liberties, Pa. | January 16 |
| Paddles for propelling boats | Philip E. Barbour | Louisville, Ky. | January 27 |
| Paddle wheels, and mode of propelling canal boats | Benjamin M. Smith | Rochester, N. Y. | May 22 |
| Propelling boats by a screw, &c. in still water | John L. Smith | Charleston, S. C. | September 18 |
| Steam and other boats, propelling | William Scarborough | Savannah, Ga. | April 8 |
| Ship building | Charles Olcott | Medina, Ohio | August 15 |
| Vessels, gum elastic applying to | George Duncan Cooper | New York | January 7 |
| Ventilation bellows, for ships, &c. | James Barron | Philadelphia, Pa. | February 20 |
| Vessels, marine rail-way for hauling up | Washington Van Dusen | Kensington, Phila. co. | April 14 |
| Vessels, sunken, to raise, &c. | Wm. Atkinson and E. Hale | New York | December 2 |
| Windlass, ship's | Seth Adams | Boston, Mass. | February 6 |
| Water-wheel for steam-boats | Nehemiah Dodge | New York | February 25 |

LIST OF PATENTS—CALORIFIC AND STEAM APPARATUS.

| Inventions or discoveries. | Names of patentees. | Residence. | When issued. |
|--|------------------------|------------------------|--------------|
| | | | 1835. |
| Alcohol, extracting from apples | Anson Wolcott | East Bloomfield, N. Y. | October 6 |
| Asbestos, use and application of | John Scott | Philadelphia, Pa. | November 26 |
| Boiler, kitchen | J. and W. C. Bailey | Farmington, Maine | May 22 |
| Boiler valves and cam of the steam engine | John Kirkpatrick | Baltimore, Md. | May 29 |
| Boiler pipes, mode of preparing and screwing in | John Goulding | Boston, Mass. | June 19 |
| Boiler, portable, for culinary purposes, &c. | Anson W. Spencer | Cazenovia, N. Y. | June 19 |
| Boiler, mode of regulating height of water in steam (Patented April 2, 1835. Reissued.) | Jesse Fox | Lowell, Mass. | July 21 |
| Boiler, mode of regulating height of water in steam (Patented April 2, 1835. Reissued.) | Jesse Fox | Lowell, Mass. | July 21 |
| Bath, vapor | P. P. N. D. Alvigny | Leonard st. N. Y. | August 17 |
| Boilers, manner of feeding them | Hunsicker and Krauss | Northampton, Pa. | August 20 |
| Blower, spiral cone | Benjamin Brundred | Oldham, N. J. | September 26 |
| Baker, tin | Nathaniel D. Whiten | New York | October 10 |
| Boilers, steam, constructing | J. F. C. Salamon | Philadelphia | October 17 |
| Boiling sugar, &c. under a vacuum | John Steel, jr. | New York | October 27 |
| Boilers, steam, for steam engines, &c. | Thomas Ashcroft | Boston, Mass. | November 23 |
| Casting chilled cylinders and cones | James Harley. | Pittsburg, Pa. | March 3 |
| Cooking, applying the reflection of caloric | John Burch | Jefferson co. N. Y. | April 22 |
| Cook stove, plain plate or box | Eliphalet Nott | Schenectady, N. Y. | April 22 |
| Cook stove | Resor, Wade, and Resor | Cincinnati, Ohio | May 29 |
| Cook stove | Solomon Dickinson | Richmond, Indiana | August 15 |
| Cooking ranges | Thomas B. Smith | New York | August 27 |
| Chimney and fire place | Moses Perin | Connersville, Indiana | September 26 |
| Charcoal burner, conical arch | Ezra B. Gilbert | Euphrata, N. Y. | November 7. |

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|--|--------------------------------|---------------------|--------------|
| Castings, pin. metallic, for chilling the interior of | William H. Saunders | Greensburg, N. Y. | November 26 |
| Castings, machine for smoothing the oxyde and sand on | | | |
| Castings, mould for casting iron pipes, &c. | Bradford Seymour | Utica, N. Y. | December 2 |
| Distillation, apparatus, spirits of turpentine, &c. | John D. Morris | Kensington, Pa. | December 2 |
| Furnaces, heating, with anthracite coal | Josiah Jennings | New York | August 27 |
| Fireplace, chimney funneled | M. Brook Bulkley | Pottsville, Pa. | January 16 |
| Furnace and bake-oven | Ansel Gerrish | Shopleigh, Maine | January 23 |
| Forge back, blacksmith's | Charles E. Russell | Philadelphia, Pa. | February 13 |
| Fire alarm apparatus | Isaac Sawyer | Hallowell, Maine | February 13 |
| | B. Seymour and J. Whipple | | |
| Fireplaces and chimneys | Reuben Bacon and Elijah Harris | Utica, N. Y. | April 2 |
| | | Boston, Mass. | April 8 |
| Furnace, adjustment of, and boiler and chimney in steam-boats, &c. | Eliphalet Nott | Schenectady, N. Y. | April 22 |
| Furnace for burning lime and smelting ores | John Owings | Adams co. Pa. | May 29 |
| Fireplace | Bean and Skinner | Sandwich, N. H. | June 12 |
| Fireplaces for grates | Joseph Snyder | Philadelphia, Pa. | June 12 |
| Forge and bellows for blacksmiths, jewellers, &c. | John C. Conklin | Peekskill, N. Y. | June 19 |
| Fireplaces, stoves, &c. composition slabs for lining | Joseph Putnam | Salem, Mass. | August 20 |
| Fire engine | Thomas Odiorne | Portsmouth, N. H. | August 27 |
| Fire draft, or regulator by atmospheric pressure | Robert Mayo | City of Washington | September 9 |
| Forge for blacksmiths | James Knickerbacer | Laporte, Indiana | September 26 |
| Forges and other furnaces, application of air | S. W. Watson and C. Robinson | | |
| | | Ashtabula, Ohio | September 26 |
| Fireplaces | Ebenezer S. Greely | Dover, Maine | October 6 |
| Fireplace for cooking and baking | John C. Howard | Howards Valley, Ct. | October 27 |
| Fireplace, sheet iron | Gilbert Richards | Ashfield, Mass. | November 26 |
| Forge hearth, hot air | L. V. Badger & R. Walker | Portsmouth, N. H. | November 30 |
| Furnace, hot air and cupola | L. V. Badger | Portsmouth, N. H. | December 2 |
| Fireplace and grate | Charles Lane | Hingham, Mass. | December 15 |

LIST OF PATENTS—CALORIFIC AND STEAM APPARATUS—Continued.

| Inventions or discoveries. | Names of patentees. | Residence. | When issued. |
|--|----------------------------------|-----------------------------|--------------|
| | | | 1835. |
| Grates for stoves and furnaces - - - | Elias W. Newton - - - | Middletown, Ct. - - - | January 9 |
| Grates - - - - - | Barnabas Pike - - - | New York - - - | March 11 |
| Grates and stoves for parlor and kitchen - - - | Elkanah Ingalls - - - | Providence, R. I. - - - | April 22 |
| Grates and stoves, bars for - - - | Jordon L. Mott - - - | New York - - - | October 14 |
| Gridiron, rotary - - - - - | Kellog Strong - - - | Mendon, Ct. - - - | October 28 |
| Gauge, steam, for preventing the explosion of boilers | Samuel Raub, jr. - - - | Wilkesbarre, Pa. - - - | December 28 |
| Heat, economy of, in generating steam - - - | Tunis V. Leroy - - - | Newport, N. Y. - - - | August 17 |
| Ironing clothes, machine for - - - - - | Samtiel Swett, jr. - - - | Readfield, Maine - - - | December 30 |
| Kitchen ranges, for using anthracite coal - - - | Eliphalet Nott - - - | Schenectady, N. Y. - - - | April 22 |
| Kiln for drying grain - - - - - | Thomas Crook - - - | New Hope, Pa. - - - | November 30 |
| Locomotive engines, wheels, and boiler tubes - - - | Mathias W. Baldwin - - - | Philadelphia, Pa. - - - | April 3 |
| Locomotive engines - - - - - | Charles and George Sellers - - - | Philadelphia, Pa. - - - | May 22 |
| Lamp for burning volatile materials - - - | George Egles - - - | Boston, Mass. - - - | May 22 |
| Lamp wicks, raising and lowering (Patented October 6, 1835. Reissued.) - - - - - | Samuel Rust - - - | New York - - - | December 16 |
| Oven, construction and application - - - - - | Samuel Pollard - - - | Bucksport, Maine - - - | June 12 |
| Oven, portable, or cooking stove - - - - - | Charles Vale - - - | Newark, N. J. - - - | June 26 |
| Oven for baking and heating houses, &c. - - - | Jacob Baldwin - - - | City of New York - - - | October 27 |
| Piston for steam engines - - - - - | Wright and Ketchum - - - | Calhoun county, M. T. - - - | June 19 |
| Stove, salamander cooking - - - - - | Abraham D. Spoor - - - | Coxsackie, N. Y. - - - | January 7 |
| Stove (Patented March 15, 1834. Reissued) - - - | Abraham D. Spoor - - - | Coxsackie, N. Y. - - - | January 7 |
| Stove, cooking, correcting bad smell - - - | Eliphalet Nott - - - | Schenectady, N. Y. - - - | January 7 |
| Stove, manufacturing - - - - - | Elias W. Newton - - - | Middletown, Ct. - - - | January 9 |
| Steam engine, rotary, and boiler - - - - - | Ethan Baldwin - - - | Washington co. D. C. - - - | January 13 |
| Stove, three boiler flat cook - - - - - | Sylvester Parker - - - | Troy, N. Y. - - - | January 16 |

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|--|---------------------|------------------------|-------------|
| Stove, portable cooking | John Iggett | Albany, N. Y. | January 16 |
| Stove for burning anthracite coal | Jacob J. Janeway | New Brunswick, N. J. | January 27 |
| Steam, scalding hogs by | Thomas J. Godman | Baltimore, Md. | February 13 |
| Steam engine, rotary | George M. Alsop | Philadelphia, Pa. | February 20 |
| Stove, cooking | Paul Wing | Grafton, Mass. | February 25 |
| Stove, flat cook | Joel Rathbone | Albany, N. Y. | March 6 |
| Stove | George J. Payne | Borough of Erie, N. Y. | March 6 |
| Steam wheel | William Wilson | Henderson co. Tenn. | March 13 |
| Stove, Franklin cook | Isaac McNavay | Stafford, Ct. | March 24 |
| Steam engine | John Murphy | Philadelphia, Pa. | March 24 |
| Steam engine | Job Sheldon | New Haven, Ct. | March 24 |
| Steam power and boiler | Benjamin B. Gates | Ontwa township, M. T. | March 24 |
| Stove furnace | Harvey Hubbard | Berlin, Ct. | March 25 |
| Steam boilers, regulating height of water in | Jesse Fox | Lowell, Mass. | April 2 |
| Stove, cooking | Andrew Abbott | Portland, Maine | April 2 |
| Steam, generation of | William Scarborough | Savannah, Ga. | April 8 |
| Stove, cooking | Thaddens Fairbanks | Caledonia co. Vt. | April 14 |
| Stove, cooking, applying the reflection of caloric | John Burch | Jefferson co. N. Y. | April 22 |
| Stoves and grates for parlor and kitchen use | Elkanah Ingalls | Providence, R. I. | April 22 |
| Stoves for warming rooms | Charles W. Peckham | New Haven, Ct. | May 16 |
| Stoves, cooking and baking | Hiram G. Phelps | Johnstown, N. Y. | May 29 |
| Stoves, wrought iron, for burning anthracite coal | Thomas M. Southwick | Troy, N. Y. | June 6 |
| Stoves, cooking | Elijah Skinner | Sandwich, N. H. | June 12 |
| Stoves, covering the rods used to bind | John C. Parry | Pittsburg, Pa. | June 12 |
| Steamboats, anti-friction wheels | Julian Nicolet | Pittsburg, Pa. | June 12 |
| Stove furnace | James Atwater | New Haven, Ct. | June 20 |
| Stove, cooking | Legrand Fairman | Orleans county, N. Y. | June 26 |
| Stove, cooking | Thomas D. Burrall | Geneva, N. Y. | June 26 |
| Steam engine, rotary | Orson Barnes | Van Buren, N. Y. | June 26 |
| Steam engine, rotary, reacting | Charles Hill | Zanesville, Ohio | June 26 |
| Stove, cooking, and warming rooms | Ernst G. Augustin | New York | July 6 |

LIST OF PATENTS—CALORIFIC AND STEAM APPARATUS—Continued.

| Inventions or discoveries. | Names of patentees. | Residence | When issued. |
|---|-------------------------|--------------------|--------------|
| | | | 1835. |
| Steam-boats, steam mills, protection of | George R. Clark | Rochester, N. Y. | July 7 |
| Stove, cooking, self heat retaining | Moffat and Taintor | Buffalo, N. Y. | July 17 |
| Stove | Jordan L. Mott | New York | July 21 |
| Stove knobs or handles | Jordan L. Mott | New York | July 21 |
| Steam engine, rotary spiral spring float | Mason Young | Buffalo, N. Y. | July 21 |
| Stove | West and Van Seclen | Hudson, N. Y. | July 21 |
| Stove for heating tailors' and hatters' irons | John Lewis | Derby, Ct. | August 17 |
| Stove, cooking | Ezekiel Gore, jr. | Guilford, Vt. | August 17 |
| Steam engine, rotary, rarified air | George Cameron | City of Washington | August 17 |
| Stove, cooking | Edward N. Kent | Portland, Maine | August 17 |
| Spark arrester | Alfred C. Jones | Portsmouth, Va. | August 27 |
| Steam engine | John Bennock | Orono, Maine | September 9 |
| Stoves for cooking | J. Whiting and J. Mears | Boston, Mass. | September 9 |
| Stoves for cooking | Ezekiel Dabull | North Canaan, Ct. | September 26 |
| Steam, management of, in regulating height of water in boiler | Thomas Odiorne | Malden, Mass. | September 26 |
| Stove, cooking | Elnathan Samson | Pierpont, N. Y. | October 10 |
| Steam engine, rotary | Arnold Buffum | Philadelphia, Pa. | October 10 |
| Stove or furnace, for burning anthracite coal (Patented November 5, 1834. Reissued) | Denison Olmstead | New Haven, Ct. | October 14 |
| Spark arrester | Haut C. Wiat | Weldon, N. C. | October 15 |
| Stove, cooking | Horatio B. Wade | Cincinnati, Ohio | October 17 |
| Stove to burn anthracite coal (Patented October 25, 1832. Reissued) | Eliphalet Nott | Schenectady, N. Y. | October 17 |
| Sugar, &c. boiling under a vacuum | John Steel, jr. | New York, | October 27 |

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|--|--------------------|-------------------------|-------------|
| Stove for burning stone coal | Philip Benedict | Lancaster, Pa. | October 27 |
| Stove or fireplace | Daniel Southerland | Lisbon, Maine | October 31 |
| Steam engine, reacting, rotary, &c. | J. G. Hotchkiss | New Haven, Ct. | November 7 |
| Steam-boat for canals | John Elgar | Baltimore, Md. | November 7 |
| Steam engine, centrifugal pneumatic | Charles C. Conway | New York | November 14 |
| Stove, cooking, and fireplace | Joshua Douglass | South Durham, Maine | November 14 |
| Spark catcher for locomotives, &c. | George Holbrook | Boston, Mass. | November 23 |
| Spark catcher for steam engine pipes | James W. Wapples | Wilmington, Del. | November 30 |
| Stove, revolving, cooking (Patented December 17, 1832. Reissued) | Henry Stanley | Poultney, Vt. | December 2 |
| Stove, cooking | Bennington Gill | City of New York | December 9 |
| Vinegar, mode of making | Frederick W. Boden | New Lancaster, Ohio | July 6 |
| Valves, slide, for steam engines | And. M. Eastwick | 242 Race street, Phila. | July 21 |
| Warming buildings by radiated and steam heat, &c. | Robert Rogers | South Berwick, Maine | June 12 |

LIST OF PATENTS—HYDRAULICS.

| Inventions or discoveries. | Names of patentees. | Residence. | When issued. |
|--|-----------------------------------|--------------------|--------------|
| Cisterns, water | Levi Kidder | New York | 1835. |
| Cisterns, vats, reservoirs, &c. | Levi Kidder | New York | January 21 |
| Cisterns, construction of water and other | Alfred Palmer | Syracuse, N. Y. | November 14 |
| Gates for canal locks | David Wilkinson | Cohoes, N. Y. | December 15 |
| Hydrostatic and pneumatic machine for propelling | Robert Mills and Henry B. Fernald | City of Washington | August 17 |
| Hydrant | S. T. Walker | Portland, Maine | } October 10 |
| Pumps, double acting cylinder | Phelps Mix | Baltimore, Md. | |
| | | Germantown, Pa. | November 26 |
| | | | January 9 |

LIST OF PATENTS—HYDRAULICS—Continued.

| Inventions or discoveries | Names of patentees. | Residence. | When issued. |
|---|-------------------------|-----------------------|--------------|
| | | | 1835. |
| Pumps, rotary - - - - - | William C. Trowbridge - | Southeast, N. Y. - | January 27 |
| Pumps, air - - - - - | Charles Goodyear - | Philadelphia, Pa. - | March 30 |
| Pumps - - - - - | Heinrich Bachman - | Lancaster, Pa. - | April 2 |
| Pumps, rotary - - - - - | Isaac Hall - | Poughkeepsie, N. Y. - | April 22 |
| Pumps - - - - - | Philo C. Curtis - | Utica, N. Y. - | May 22 |
| Pumps for fire engines - - - - - | Henry Gates - | Northampton, Mass. - | June 12 |
| Pumps - - - - - | Amos Miner - | Jordan, N. Y. - | July 7 |
| Pumps, rotary - - - - - | David M. Walker - | Cavendish, Vt. - | August 15 |
| Pumps, double forcing - - - - - | William Douglass - | Middletown, Ct. - | August 20 |
| Pumps for ships, &c. - - - - - | Thomas Odiorne - | Portsmouth, N. H. - | August 27 |
| Pumps - - - - - | Jos. Redelsperger - | Mansfield, N. J. - | October 31 |
| Pumps, rotary - - - - - | Peters and Dean - | Poughkeepsie, N. Y. - | October 31 |
| Tides, applying the rising and falling of, &c. to propel machinery - - - - - | Henry B. Fernald - | Portland, Maine - | August 17 |

WHEEL CARRIAGES.

| Inventions or discoveries. | Names of patentees. | Residence. | When issued. |
|---|-----------------------|------------------|--------------|
| | | | 1835. |
| Carriages, wheeled, sustaining weight, and applying power to - - - - - | Samuel Chapman, jr. - | Windsor, Mass. - | March 2 |

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|--|-------------------------|------------------|-------------|
| Coach panels | Eben. A. Lester | Boston, Mass. | March 18 |
| Carriages and machinery when wheels are used | Williams and Wing | Hartford, Ct. | May 16 |
| Carriage springs | Henry Pace, senior | Cincinnati, Ohio | October 14 |
| Hubs and rotary bearings, anti-friction boxes | E. Fisk and J. C. Green | Fayette, Maine | November 14 |
| Springs, carriage, gig, &c. connecting | Amos Davis | Easton, Md. | March 18 |
| Wheels and axletrees | Aaron Hale | Boston, Mass. | April 2 |
| Wheels, anti-friction, applicable to steam-boats | Julian Nicolet | Pittsburg, Pa. | June 12 |
| Wheels, rail-road cars, constructing of | Arundius Tiers | Kensington, Pa. | December 2 |

ARMS.

| Inventions or discoveries. | Names of patentees. | Residence. | When issued. |
|---|-----------------------|-------------------|--------------|
| Fire arms, overlaying with tin or some compound | Samuel Ladd | Waltham, Mass. | 1835. |
| Harpoon | Dexter H. Chamberlain | Boston, Mass. | October 14 |
| Lock, percussion cannon | Robert Beale | Washington, D. C. | August 17 |
| Lock, percussion gun | Robert Beale | Washington, D. C. | January 13 |
| Lock, percussion gun | Thomas Daplyn | Dover, Ohio | February 20 |
| Pistol, pocket | Victor M. Wallace | West Topham, Vt. | February 20 |
| | | | August 17 |

LIST OF PATENTS—SCREW AND LEVER POWER.

| Inventions or discoveries. | Names of patentees. | Residence. | When issued. |
|---|--|-----------------------|--------------|
| | | | 1835 |
| Branding, stamping, marking, &c. apparatus for | Eli Barnes, Gustavus Hill, and Ira B. Hawkins | Ashtabula, Ohio | February 25 |
| Balance | Nauston Griffing | New York | April 8 |
| Balance, platform | Alexander Bliss | Benson, Vt. | June 12 |
| Balance for counters, &c. | Elias Hibbard | Lunenburg, Vt. | November 7 |
| Cheese, machine for turning and curing | Henry Webber | East Richfield, N. Y. | April 22 |
| Ink distributor, self operating | John Maxson | Schenectady, N. Y. | January 9 |
| Inking machine for inking types | Samuel Fairlamb and John L. Gilpin | New York | March 27 |
| Lever and pendulum power engine | Sidney Woods | Freeport, Maine | January 7 |
| Lever, crank, weight, balance wheel, combination of | Elias T. Merrel | Parkman, Maine | April 22 |
| Lever press | Jonathan Payne | Russelville, Ky. | September 9 |
| Press, portable, for cotton, hay, &c. | Alexander J. Murray | Annapolis, Md. | January 9 |
| Press, cotton, hay, &c. | Ebenezer Eliason, jr. | Fredericksburg, Va. | January 21 |
| Press, cheese, self adjusting | Rufus Porter | Billerica, Mass. | February 6 |
| Printing press, register for Napier | Michael Caton and John C. Rives | Washington, D. C. | March 11 |
| Press, hay, cotton, &c. | Samuel T. Baker | West Gorham, Me. | March 20 |
| Power, augmenting engine | Andrew Ochler | Eastville, Va. | March 30 |
| Press, screw | Thomas Gilpin | Wilmington, Del. | April 3 |
| Press, printing | J. Lemuel Kingsley | New York | April 22 |
| Printing apparatus | Joseph Warren | Warwick township, O. | May 2 |
| Press, cotton, hay, cheese, &c. | E. and L. L. Macomber | Gardiner, Maine | August 15 |
| Pressing, raising weights, &c. combination of cams for | Aionzo S. Greenville | Cambridgeport, Mass. | December 30 |

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| Scale, double lever | E. A. & A. Hibbard | Lunenburg, Vt. | May 29 |
| Screw wrench | Solomon Merrick | Springfield, Mass. | August 17 |
| Scales for weighing | Jesse Mardin | Baltimore, Md. | September 9 |
| Steelyard balance | Christopher F. Dahl | Pittsburg, Pa. | October 31 |
| Tobacco flattener or press | Emanuel Shoavler | Richmond, Va. | April 22 |
| Weighing machine | J. G. Rohr, assignee of Baptiste Maag | New York | April 22 |

MILLS.

| Inventions or discoveries. | Names of patentees. | Residence. | When issued. |
|--|--|---------------------|--------------|
| | | | 1835. |
| Coffee mill, &c. | E. Morse and C. Putnam | Knoxville, Tenn. | September 9 |
| Coffee, pepper, &c. | David Richmond | McArthurstown, Ohio | October 14 |
| Dressing metallic mills | Samuel G. Reynolds | Providence, R. I. | March 18 |
| Dog lever, saw mill | Martin Rich | Caroline, N. Y. | March 25 |
| Dog gauge, saw mill | Martin Rich | Caroline, N. Y. | March 27 |
| Flour cooler, New York | Hebard, Catlin, and Abell | Pomfret, N. Y. | May 22 |
| Grist mill, called conic grinder | Hezekiah P. Nuchols and Pouncey Nuchols | Barren county, Ky. | January 21 |
| Grain, mill for grinding, called farmers' mill | John R. Sleeper | Philadelphia, Pa. | January 27 |
| Grain, mill for grinding, with small stones | Frederick Smith | Evans, N. Y. | March 18 |
| Grist, paint, and plaster mill | Cephas Manning | Littleton, Mass. | April 2 |
| Grist, family, mill | Peter M. Wright | New York | April 14 |
| Grinding and shelling corn machine | George M. Weaver | Montgomery co. Pa. | June 12 |
| Grinding grain, snuff, paints, &c. | William S. Johnson | New York | June 26 |
| Grist mill | Adna L. Norcross | Hallowell, Maine | August 20 |
| Geering mills | Claverius Coleman | Barry's Bridge, Va. | August 27 |

LIST OF PATENTS—MILLS—Continued.

| Inventions or discoveries. | Names of patentees. | Residence. | When issued. |
|---|---|-------------------------|--------------|
| | | | 1835. |
| Grinding and crushing corn machine | Andrew P. H. Jordon | Madisonville, Tenn. | October 28 |
| Grist mill | Phillip Hauser | Cincinnati, Ohio | November 7 |
| Grist mill | Samuel Hyde | Malone, N. Y. | November 26 |
| Horse power for propelling saw mills, &c. | Irby Jones | Natchez, Miss. | January 13 |
| Horse power, endless band for | Jonathan Gee Stanley and James Copeland Howard | Winthrop, Maine | January 16 |
| Horse power | William E. Arnold | Chatham, Ct. | March 13 |
| Horse power | C. Custer and Daniel Ponnapacker | Providence towns'p, Pa. | March 30 |
| Horse power, portable | Samuel S. Allen | Saratoga Springs, N. Y. | April 3 |
| Horse power, portable | John Brandon | Williamsport, Pa. | April 8 |
| Horse power, endless chain | Webber Furbush | Hallowell, Maine | April 14 |
| Horse power | Thomas Mitchel | Newburg, N. Y. | July 7 |
| Horse power | Benjamin Wales | Hallowell, Maine | August 17 |
| Horse power for propelling machinery | Moses Davenport | Phillips, Maine | October 10 |
| Horse power | Asa Trahern, Henry Heberling, William E. Lukens, and John Heberling | Harrison county, Ohio | October 28 |
| Mills, constructing the same for grinding grain | Elisha Holton | Westminster, Vt. | April 3 |
| Mills, sawing and grinding, constructing | Geo. and Fran. R. Baker | Tuscaloosa, Ala. | July 7 |
| Mills, grinding and chopping of grain | Pierson Cope | Washington towns'p, Pa. | August 17 |
| Mills, application of water power to | Dart and Wood | Fabius, N. Y. | September 9 |
| Mills for sawing stone | Daniel Bunnel | Xenia, Ohio | October 27 |
| Mills, amalgam for separating gold from the ore | Joseph Curtis | New York | December 28 |

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| Mills, amalgam for separating gold from the ore | Joseph Curtis | New York | December 28 |
| Mills, amalgam for separating gold from the ore | Joseph Curtis | New York | December 28 |
| Propelling mills, &c. by weights | Obed R. Marston | Java, N. Y. | January 9 |
| Packing flour in casks, &c. machine for | John Hinman | Hartley township, Pa. | March 2 |
| Propelling machinery, called lever and dead weight | Luke M. Edwards | Trenton, Tenn. | March 2 |
| Propelling machinery, pendulum power | Abraham Wade | Eagletown, N. Y. | March 25 |
| Propelling cradles and churns | Ezra Whitman, jr. | Winthrop, Maine | March 27 |
| Propelling machinery by means of cams and inclined planes | Philo C. Curtis | Utica, N. Y. | May 29 |
| Propelling machinery by weights | Elisha Turner | North Pownal, Maine | June 12 |
| Propelling machinery | David Russel | Tuscumbia, Alabama | October 27 |
| Spindle, bush, ring, and ball for mills | Warren P. Wing | Greenwich, Mass. | February 20 |
| Spindle, oil bush, and cap neck | Jesse Hinman | Clinton township, Pa. | March 2 |
| Saw mill, constructing | Nath'l Crosby and Pearson Crosby | Pomfret, N. Y. | March 27 |
| Saw mill dog blocks | Benjamin F. Snyder | Painted Post, N. Y. | April 3 |
| Saw mill carriage | Henry Gordon | Adams county, Pa. | April 8 |
| Saw mill | Ernst G. Augustin | New York | July 17 |
| Saw mill saw | Levi Fisk | Schroon, N. Y. | August 17 |
| Saw mill gauge | William A. Needham | Brimfield, Mass. | September 9 |
| Saw mill | Lynus Yale | Utica, N. Y. | September 11 |
| Stones, dressing | David B. Napier | Casey county, Ky. | September 18 |
| Saw mill, running back the carriage | Samuel Phelps | Mount Morris, N. Y. | September 18 |
| Saw mill wheels and machinery | John Muir | Menallen, Pa. | September 26 |
| Saw mill | Uri Emmons | New York | October 6 |
| Saw mill, portable | David Russel | Tuscumbia, Ala. | October 27 |
| Water wheel | Robert Eastman | Concord, N. H. | March 11 |
| Water wheel | Alvin Darling and Barton Darling | Billingham, Mass. | April 3 |
| Water wheel, inclined, floated, &c. | Thomas Pierce | Hartwick, N. Y. | May 2 |
| Water wheel | William Merrill | Randolph, Ohio | May 16 |

LIST OF PATENTS—MILLS—Continued.

| Inventions or discoveries. | Names of patentees. | Residence. | When issued. |
|---|-----------------------------------|--------------------|-----------------|
| Water wheel, reacting | John B. McCard alias John B. Carr | Galena, Ill. | 1835. May 16 |
| Water, raising to set machinery in motion | David W. Hunt | Newburyport, Mass. | June 12 |
| Water wheel, undershot | Ebenezer Cochran | Gibson county, Ind | June 15 |
| Water wheel | Isaac Powell | Lawrence, N. Y. | July 17 |
| Water wheel tub | Edward Newman | Stilesville, Ind. | November 26 |

CHEMICAL COMPOSITIONS.

| Inventions or discoveries. | Names of patentees. | Residence. | When issued. |
|---|-------------------------|------------------|----------------------|
| Anodyne and alterative sirup | Rezin Thompson | Rome, N. Y. | 1835. November 14 |
| Composition for water proof roofs, walls, aqueducts, and other articles | Lyman Garfield | Troy, N. Y. | February 20 |
| Composition for supplying lamps | Henry Porter | Bangor, Maine | April 8 |
| Composition to prevent the absorption of animal and fish oils | Nathaniel Hathaway | Fairhaven, Mass. | May 22 |
| Cement, hydraulic, constructing coffins from | Dayton, Hoyt, and White | Salina, N. Y. | June 6 |
| Cement, hydraulic, constructing coffins from | John White | New York | July 18 |
| Composition for medical purposes | Robert S. Bernard | Norfolk, Va. | August 17 |

| | | | |
|--|-------------------------------|------------------------|--------------|
| Cement, hydraulic, for various purposes | Parker, Clowes, and Garfield | New York | August 27 |
| Cement, hydraulic, for various purposes | Obadiah Parker | New York | September 9 |
| Cement, artificial stone or marble | Obadiah Parker | New York | September 9 |
| Cement, artificial stone, for architectural purposes | Obadiah Parker | New York | September 9 |
| Cement, gum elastic | Charles Goodyear | New Haven, Ct. | September 9 |
| Composition of mead | T. T. Kimball and A. H. White | Dedham, Mass. | September 26 |
| Caoutchouc, cutting into shreds | William Atkinson | New York | October 6 |
| Cement for cisterns | Carson and Roberts | York, N. Y. | October 17 |
| Cement for blocks, pillars, &c. | Charles Clinton | Minnisink, N. Y. | October 28 |
| Dying, and manufacturing of prussiate of potash and soda | Felix Fossard | Philadelphia, Pa. | November 7 |
| Galvanic electricity applied to cure diseases | Daniel Harrington | Philadelphia, Pa. | March 31 |
| Galvanic electricity applied to surface of the body | Daniel Harrington | Philadelphia, Pa. | April 8 |
| Gold, machine for extracting from its ores | Nathaniel Bosworth | Philadelphia, Pa. | June 6 |
| Glue, manufacturing | Jonathan Morgan | Portland, Maine | September 18 |
| Ink, writing | John D. Myers | New York | September 26 |
| Japan applied to leather | William Gates | Hanover, N. Y. | November 14 |
| Ointment for the cure of many diseases | William Waller Gray | Richmond, Va. | March 18 |
| Oil, linseed, substitute for | Todd and Peabody | Washington City, D. C. | July 7 |
| Oil of hazze, preparation of | Preswick and Fisher | New York | August 17 |
| Paint, composition of metallic oxyde for white | Forrest Sheppard | Fredericksburg, Va. | March 18 |
| Potash, manufacture of | Hartsuff and French | Aurelius, N. Y. | July 17 |
| Potash, manufacture of, and preparing and leaching ashes | Elijah Williams | Harbor Creek, Pa. | August 16 |
| Potter's clay, purifying | Adam Weber | Womelsdorf, Pa. | September 9 |
| Pencil points, composition of matter and making | Guy C. Baldwin | Ticonderoga, N. Y. | December 2 |
| Salt, manufacturing, by solar evaporation | Edward C. Cooper | New York | May 16 |
| Tan vats, reservoirs, &c. constructing, with American cement | John C. Johnson | Catskill, N. Y. | February 20 |

LIST OF PATENTS—CHEMICAL COMPOSITIONS—Continued.

| Inventions or discoveries. | Names of patentees. | Residence. | When issued. |
|--|----------------------------------|-----------------------|------------------|
| Tanning hides | John Lippincot and John Hillyear | Philadelphia, Pa. | 1835 April 14 |
| Tanning, improvement in | Isaac M. Belote | Fayette county, Tenn. | April 14 |
| Tanning, preparing skins | J. C. F. Salomon | Reading, Pa. | October 17 |
| Tanning, preparing extract of bark for | Otis Batchelder | Bedford, N. H. | November 7 |
| White and whiting, Paris | Peter Ferris | Greenwich, Ct. | April 22 |

FINE ARTS.

| Inventions or discoveries. | Names of patentees. | Residence. | When issued. |
|--|----------------------|--------------------|------------------|
| Bills of exchange | Charles C. Wright | New York | 1835. June 19 |
| Bills of credit | John Golder | Philadelphia | September 26 |
| Pens, metallic | Peregrine Williamson | New York | March 30 |
| Pencils, everpointed lead | Elwood Meeds | Philadelphia, Pa. | June 26 |
| Piano forte, compensating tubes | Thomas Loud | Philadelphia, Pa. | July 7 |
| Pencil points, machine for making, and composition for | Guy C. Baldwin | Ticonderoga, N. Y. | December 2 |

HOROLOGY.

| Inventions or discoveries. | Names of patentees. | Residence. | When issued. |
|--|----------------------|------------------------|-----------------|
| Clocks or time-pieces - - - | William Pardee - - | Albany, N. Y. - - | 1835. May 22 |
| Clocks or time-pieces, machine for propelling by atmospheric air condensed - - - | Andrew Morse, jr - - | Bloomfield, Maine - - | September 18 |
| Clocks or time-pieces, escapement of - - - | James Fulton - - | Shelby county, Ky. - - | December 30 |

MATHEMATICAL INSTRUMENTS.

| Inventions or discoveries. | Names of patentees. | Residence. | When issued. |
|---|----------------------|------------------------------|----------------------|
| Compass or theodolite, surveying - - - | James Eames - - | Newry, Maine - - | 1835. February 11 |
| Compass, mariner's - - - | Jonathan Ball - - | Buffalo, N. Y. - - | March 6 |
| Circumferentor, or surveyor's compass - - - | Samuel R. Miller - - | Front Royal, Va. - - | October 22 |
| Level, pendulum - - - | Asahel Munger - - | Oberlin, Ohio - - | August 17 |
| Theodolite, measuring distances with - - - | Samuel Stone - - | Long Green, Bal. co. Md. - - | June 6 |

SURGERY.

| Inventions or discoveries. | Names of patentees. | Residence. | When issued. |
|---|---|-----------------------|----------------|
| Bleeding instrument for horses and cattle - | Cornelius Addle - | Winthrop, Maine - | 1835. May 9 |
| Corns, eradicating and curing - | William Davis - | Williamsburg, Va. - | September 9 |
| Papillary shield to protect ladies' sore nipples - | William Baxton - | Woburn, Mass. - | April 2 |
| Truss with appendages for the cure of hernia - | John W. Hood - | Clark county, Ky. - | April 2 |
| Truss, hernia - | Benjamin M. Smith - | Lumpkin county, Ga. - | April 14 |
| Truss, common convex - | Philip Hittel - | Philadelphia, Pa. - | May 2 |
| Truss for the cure of hernia - | John J. Heintzelman - | Philadelphia, Pa. - | June 6 |
| Truss, spring - | Henry Reid - | Augusta, Georgia - | October 31 |
| Truss, gum elastic, for the cure of hernia - | Vernum Wilkinson - | New York - | November 14 |
| Truss, gum elastic, for the cure of hernia - | Robert Semple - | Vidalia, Louisiana - | November 14 |
| Truss for the cure of relaxation of the vagina, &c. | John F. Gray, administrator of Amos G. Hull - | New York - | December 9 |

HENRY L. ELLSWORTH,
Superintendent.

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ALPHABETICAL LIST of Patentees, 1835.

| | |
|--|--|
| Adams, Isaac | Blauvelt, John C. |
| Adams, Seth | Brown, Truman B. |
| Ames, John | Burrall, Thomas D. |
| Alsop, George M. | Ball, Jonathan |
| Andrews, John, assignee of Rochius Heinrich | Baker, Samuel T. |
| Arnold, William A. | Baker, John |
| Abott, Andrew | Baker, Nathan |
| Allen, Samuel S. | Bassett, Cushman |
| Allen, Samuel S. | Bachman, Heinrich |
| Aspinwall, Lewis | Baxton, William |
| Adams, Lemuel | Baldwin, Mathias W. |
| Armstrong and King | Bacon, Reuben, and Elijah Harris |
| Adle, Cornelius | Brandon, John |
| Aiken, Herrick | Belote, Isaac |
| Aiken, Herrick | Burgess, Joseph B. |
| Ayer, Nathan | Badger, Orestes |
| Atwater, James | Burch, John |
| Augustin, E. G. | Belden, Allen |
| Augustin, E. G. | Berry, Benjamin F. |
| Augustin, E. G. | Bachman, Heinrich |
| Augustin, E. G. | Blium, Henry |
| Atkinson, William | Bayliss, Marshall, and Brannan, William |
| Angevine, Caleb | Bailey, J. C. and Bailey, W. C. |
| D'Alvigny, P. P. N. | Bosworth, Nathaniel |
| Atkinson, William | Bean, Ira A. and Elijah Skinner |
| Ault, Henry | Bliss, Alexander |
| Angevine, Caleb | Bannister, J. M. |
| Ambler, John | Burrall, Thomas D. |
| Atkinson, Wm. and Ebenezer Hale | Barnes, Orson |
| Ashcroft, Thomas | Bovis, John |
| Brewster, Iran | Boden, Frederick W. |
| Brooks, Artemas | Bingham, Albert |
| Baldwin, Ethan | Baker, Geo. and Baker, Francis R. |
| Beale, Robert | Burr, Oliver C. |
| Burns, James, and John Walter | Bradley, Russel |
| Buckly, M. B. | Banton, John M. |
| Burgess, T. and S. | Baldwin, M. W. |
| Bigelow, Erastus B. and Brigham, Stephen P. | Benjamin, E. F. |
| Barbour, Philip E. | Bernard, Robert S. |
| Briggs, Noah | Bonnycastle, Charles |
| Beam, Michael | Bradley, Russel |
| Barron, James | Blodget, S. C. and Boynton, Henry |
| Beale, Robert | Brundred, Benjamin |
| Bradley, Grove | Bradley, Russel |
| Barnes, Elijah, Gustavus Hills, and J. B. Hawkins | Burges, Asa, and Hernam Baldwin |
| | Bourne, Roswell |
| | Bacon, Asahel |

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ALPHABETICAL LIST—Continued.

- Buffum, Arnold
 Brown, J. S. and Barker, Jacob J.
 Braley, Winslow, and Meltzar L.
 Worthley
 Bliss, Zenas
 Burgess, Phinehas
 Bunnell, Daniel
 Benedict, Philip
 Baldwin, Jacob
 Buch, Josiah T.
 Brown, Edward
 Bushnell, Nathaniel
 Batchelder, Otis
 Burden, Henry
 Bates, Charles
 Badger, L. V. and Richard Walker
 Badger, L. V.
 Baldwin, Guy C.
 Braine, Victor De
 Cooper, George D.
 Cooley, William S.
 Colton, Francis
 Chubback, Stephen
 Chapman, Samuel, jr.
 Caton, Michael, and John C. Rives
 Cooper, Peter
 Chassaing, Edward
 Crosby, Nathaniel, and Pearson
 Crosby
 Custar, Christian, and Pennybacker,
 Daniel
 Carman, Luther
 Clark, Samuel
 Cope, John W.
 Currier, Nathan
 Cooper, Edward C.
 Cradit, David M.
 Curtis, Philo C.
 Currier, Nathan
 Curtis, Philo C.
 Chapman, Samuel B.
 Cochran, Ebenezer
 Concklin, J. C.
 Card, John
 Chichester, Aaron, and Chichester,
 Samuel
 Coullard, Samuel
 Clarke, J.
- Clarke, George R.
 Cline, Samuel
 Cutter, Jonathan, and Israel Keyes
 Chamberlain, D. H.
 Codman, John
 Chandler, J. P.
 Cope, Pearson
 Cameron, George
 Caldwell, Andrew
 Clarke, Peter
 Collins, William, and Collins, J. D.
 Coleman, C. R.
 Chambers, Benjamin
 Calvert, William W.
 Cleaveland, George W.
 Carson, William H. and George
 Roberts
 Clinton, Charles
 Clarke, Levin P.
 Coston, Benton P.
 Call, H. C.
 Conway, Charles J.
 Cherrington, Edmund
 Cherrington, Edmund
 Cambell, J. R. and J. S. Withington
 Cambell, J. R.
 Crook, Thomas
 Clarkson, David
 Child, William
 Cambell, J. R. and Cambell, H. C.
 Curtis, Jos.
 Curtis, Jos.
 Curtis, Jos.
 Dayton, Giles, and William Sted-
 man
 Ditson, Thomas
 Daplyn, Thomas
 Dodge, Nehemiah
 Deming, Timothy
 Donn, John
 Dick, Jesse S.
 Davis, Amos
 Davidson, Oliver
 Deakyne, John
 Darling, Alvin, and Darling, Barton
 Densan, William
 Dutton, Jos. L.
 Denniston, J. F.

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ALPHABETICAL LIST—Continued.

- | | |
|---|---|
| Dayton, Daniel, Hiram Haight and John White | Furbish, Webber |
| Dunbar, J. V. and Addison Power | Ferris, Peter |
| Daniels, Reuben | Fuller, Joseph, and Aaron A. Richardson |
| Darby, Joseph H. | Fairman, Legrand |
| Davis, Daniel | Fox, Jesse |
| Debit, William | Farnham, C. H. |
| Dingee, Robert | Fernald, H. B. |
| Dickinson, Sol | Fisk, Levi |
| Douglas, William. | Fales, James |
| Dart, Ithiel, and Stephen Wood | Field, William |
| Davenport, Charles | Fairchild, Fred. A. |
| Davies, William | Fossard, Felix |
| Duncan, William | Fitzpatrick, E. P. |
| Davenport, Moses | Fisk, Ezra, and Joseph C. Green |
| Davenport, Moses | Fitzpatrick, E. P. |
| Daball, Ezekiel | Fitzpatrick, E. P. |
| Duncan, Charles | Fulton, James |
| Dahl, Christ. F. | Gordon, Henry |
| Douglas, Jos. | Gray, Robert |
| Davenport, Moses | Gerrish, Ansel |
| Eliason, Ebenezer, jr. | Ghormley, David |
| Eames, James | Godman, Thomas |
| Ellis, Darwin | Garfield, Lyman |
| Edwards, Luke M. | Gray, William W. |
| Eastman, Robert | Gates, Benjamin B. |
| Eddy, Milvern | Goodyear, Charles |
| Eyles, George | Gayler, Charles J. |
| Edgar, Hugh, and Edgar, J. W. | Gilpin, Thomas |
| Everhart, John | Gavitt, William G. |
| Everhart, John, and Swimley, Lewis | Gordon, Henry |
| Eastwich, And. | Griffing, Nerestah |
| Emmons, Uri | Gates, G. D. |
| Everhart and Pearson Morford and Everhart | Gilroy and Tompkins |
| Earl, Thomas | Gay, Ira |
| Edgar, John | Gay, Ira |
| Edgar, John | Gates, Henry |
| Evans, David | Groves, William |
| Fowler, Charles, and Edward R. Hanks | Gatling, Jordon |
| Field, Anson | Goulding, John |
| Fahnestock, Peter, & Jno. Monn, jr. | Gatling, Jordon |
| Fairlamp, Samuel, and John L. Gilpin | Gerrish, William |
| Fox, Jesse | Gould, Samuel, jr. |
| Fairbanks, Thaddeus | Gilbert, George W. |
| Folsom, John | Goulding, John, and Reuben Brackett |
| | Gay, Gamaliel |
| | Gore, Ezekiel, jr. |

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ALPHABETICAL LIST—Continued.

| | |
|--|--|
| Goulding, John | Hebbard, Joseph, John B. Catlin and Thomas B. Abell |
| Goodrum, Thomas | Hathaway, Nathaniel |
| Gearhart, John | Hibbard, Elisha A. and Hibbard, Asa |
| Goodyear, Charles | Heintzelman, John J. |
| Gray, Guy | Hunt, David W. |
| Goodman, R. T. | Hotchkiss, J. G. |
| Gates, Charles | Hill, Charles |
| Greely, Ebenezer S. | Hoover, Isaac |
| Gay, Gamaliel | Hartsuff, Henry, and Cyrus French |
| Golder, John | Herrick, W. A. |
| Gay, Gamaliel | Hubbell, Jonathan |
| Goulding, Jos. | Hatch, Julius |
| Gouiding, Jos. | Harmony, John |
| Gilbert, Ezra B. | Hausicker, Henry, and Joel Krauss |
| Gates, William | Holt, Williams |
| Greenleaf, W. C. | Herman, James |
| Grut, Benjamin | Holt, Hiram |
| Goulding, John, and Reuben Brack- ett | Haven, James |
| Goodell, Fred. and T. W. Harvey | Havener, Thomas, and Havener, Thomas H. |
| Gill, Bennington | Howard, John C. |
| Gray, John F. administrator of Amos G. Hull | Hall, Ashman |
| Greenville, Alonzo S. | Hauser, Phillip |
| Hale, Luke | Hotchkiss, J. G. |
| Hinkson, Lewis | Hibbard, Elias A. |
| Holmes, Harvey | Holbrook, George |
| Hurst, Abr'm | Hickman, Adam |
| Huttriford, Amos C. | Hyde, Samuel |
| Harley, James | Hamblet, Benjamin |
| Hubbard, Harvey | Hanson, Amos |
| Herron, James | Jones, Irby |
| Hess, William | Iggett, John |
| Harrington, Daniel | Janeway, J. J. |
| Hale, Aaron | Johnston, John C. |
| Hood, John W. | Johnson, Benjamin |
| Hooker, George | Jackson, Charles, and Potter, Ste- phen S. and Miller, John |
| Holton, Elisha | Johnston, William G. |
| Heberling, Henry | Ingalls, Elkanah |
| Hinkley, Benjamin | Jones, James |
| Harrington, Daniel | Johnston, Henry |
| Hawes, Jonathan | Jones, William |
| Hinman, Isaac | James, William T. |
| Hedge, Lemuel | Jordan, Anderson P. H. |
| Hinman, Isaac | Jordan, John W. |
| Hall, Isaac | Jones, Henry C. |
| Hittle, Philip | |
| Hunt, Philo | |

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ALPHABETICAL LIST—Continued.

| | |
|---|---|
| Johnson, Elisha | Murfree, Nimrod |
| Kidder, Levi | Morris, John |
| Kinman, Jesse | McCoy, David G. |
| Kinman, John | McNairy, Isaac |
| Kellogg, Irah | McGeorge, Stephen A. |
| Kingsley, J. L. | Murphy, John |
| Knight, Michael | Manning, Cephas |
| Kirkpatrick, John | Merryman, Marcus, jr. |
| Kolbe J. C. | Merrill, Elias T. |
| Keagy, Abraham, and Keagy John | Mack, Orlando |
| Kendall, Eli | Mosely, Lucilius H. |
| Kent, Edward N. | Mitchell and Fairbanks |
| Kill, Conrad | Merrill, William |
| Kimball, W. B., Abiel Perry, and Franklin Spalding | Martin, James |
| Knickerbacer, James | McCard, J. B. |
| Kimball, Thomas T. and Adam H White | McMath, James |
| Kidder, Levi | Meily, Emanuel, jr. Mellinger, John, and Mellinger, Samuel |
| Lampson, Curtis M. | Mears, Elwood |
| L'Hommedieu, Ezra | Mitchel, Thomas |
| Lester, Ebenezer A. | Miner, Amos |
| Ladd, Samuel G. assignee of Seth Graham | Moffat, John, and Morton, Taintor |
| Lampman, Nicholas J. | Miller, Timothy |
| Lippincott, John, and Hillyer, John | Mott, J. L. |
| Lowell, Philip S. | Mott, J. L. |
| Laighton, William | Mott, J. L. |
| Law, George | Morey, Willard |
| Loud, Thomas | Morris, Benjamin |
| Lawson, Henry | Moore, D. B. |
| Lewis, John | Macomber, E. and Macomber. L. L. |
| Leray, Tunis V. | Merrick, Solomon |
| Lee, James A. | Munger, A. |
| Ling, Thomas | Mathewes, William |
| Lombard, James | Morse, Elijah |
| Lyman, J. and Lyman, A. E. | Marden, Jesse |
| Ladd, Samuel | Morse, Elijah, and Caleb Putnam |
| Lane, Charles | Morgan, Jonathan |
| Langdon, Barnabas | Mayo, Robert |
| Laning, D. F. | Morse, jr. Andrew |
| Maxson, John | Moses, Oren |
| Murray, Alexander J. | Milliken, J. J. and Milliken, E. C. |
| Marston, Obed R. | Myers, J. D. |
| Mix, Phelps | Muir, John |
| Morris, Benjamin | Mills, Robt. and Henry B. Fernald |
| Morrell, Samuel | Mott, Jordon L. |
| Mulford, Jonathan | Miller, Samuel R. |
| | McClintic, John M. |
| | McGrew, Alexander |

ALPHABETICAL LIST—Continued.

- Miller, Anderson, and Thos. Lawes
 McLaughlin, John, and Hiram Hill
 Mirven, Andrew T.
 Morris, J. D.
 Marsh, Leonard
 McBride, J. M.
 Nott, Eliphalet
 Newton, Elias W.
 Newton, Elias W.
 Nuckols, H. P. and V.
 Nott, Eliphalet
 Nott, Eliphalet
 Nott, Eliphalet
 Norton, Sereno
 Nicholet, Julien
 Nichols, Jeremiah
 Norcross, Leonard
 Norcross, Leonard
 Norris, Elisha S.
 Norcross, Adna L.
 Napier, D. B.
 Nott, Eliphalet
 Newton, Orrin
 Nevens, William R.
 Newman, Edward
 Ochler, Andrew
 Owings, John
 Oaks, Calvin
 Otis, Charles
 Olcott, Charles
 Ordiorne, Thomas
 Ordiorne, Thomas
 Ordiorne, Thomas
 O'Geer, John
 O'Conner, James
 Olmstead, Daniel
 Parke, Ira
 Parker, Sylvester
 Porter, Alexantder
 Pepper, Hart
 Porter, Rufus
 Palisse, John M. and Sydney S.
 Durfée
 Payne, George S.
 Pike, Barnabas
 Plantou, Antony
 Porter, Henry
 Pierce, Thomas .
- Peckham, Charles W.
 Pratt, Elisha
 Pagett, W. F.
 Pardee, William
 Pryer, Philip
 Phelps, Hiram G.
 Phelps, David
 Parry, J. C.
 Page, Jonathan
 Pollard, Samuel
 Palmer, Jacob G. Anthony Beard
 and Harvey Beard
 Pike, Barnabas
 Page, George
 Powell, Isaac
 Phelps, Hiram
 Parker, James
 Preswick, Charles, and J. N. Fisher
 Putnam, Jos.
 Parker, Obed, Timothy Clowes, and
 Lyman Garfield
 Payne, Jonathan
 Parker, Obed
 Parker, Obed
 Parker, Obed
 Phelps, Samuel
 Page, Putnam, assignee of David
 Gage
 Perin, Moses
 Prettyman, P.
 Pack, George
 Parkhurst, Stephen R.
 Pace, Henry, senior
 Percival, Orville P.
 Parkhurst, Stephen R.
 Peters, Charles, and Benj. Dean
 Pudney, James
 Porter, Rufus
 Parmlee, Leeman
 Palmer, Alfred
 Roberts, Stillman
 Ross, Joseph
 Ross, Joseph
 Russell, Charles E.
 Robinson, Nathan
 Rand, Ephraim, and Adna L. Nor-
 cross
 Rathbone, Joel

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ALPHABETICAL LIST—Continued.

- | | |
|--------------------------------------|--|
| Redfield, Hernan | Sheldon, Job |
| Redheffer, James | Steere, Seril |
| Randall, Benjamin | Seymour, Bradford, and Squire |
| Reynolds, Samuel G. | Whipple |
| Reynolds, Samuel G. | Smith, Joseph |
| Rich, Martin | Snyder, Benjamin T. |
| Rich, Martin | Sawyer, Nathan |
| Ross, William W. | Shaw, Erastus M. |
| Rhinchart, Charles | Sheldon, Philo G. |
| Rohr, John G. assignee of J. B. Maag | Southwick, Chade, and Israel J. |
| Randel, Abraham | Richardson |
| Resor, Wade, and Rosor | Scarbrough, William |
| Rucker, Thomas, jr. assignee of | Scarbrough, William |
| Pendleton Chéek | Scarbrough, William |
| Rodgers, Robert | Smith, Benjamin M. |
| Ridings, John P. | Stith, Ferdinando |
| Reynolds, Edward | Smith, John |
| Ryerson, Reding | Snyder, John |
| Robey, Joseph, jr. | Sager, Jacob |
| Read, Nathan | Sneed and Carpenter |
| Richardson, N. | Sellers, Charles, and Sellers, Geo. E. |
| Rockafellow, J. S. | Shouvler, Emanuel |
| Rust, Samuel | Smith, Benjamin M. |
| Richmond, David | Stone, Samuel |
| Reynolds, George | Southwick, Thomas M. |
| Russell, David | Skinner, Elijah |
| Russe!, David | Snyder, Joseph |
| Rodelsperger, Jos. | Spencer, Anson V. |
| Reid, Henry | Sturdivant, Isaac, and John Holmes |
| Richards, Gilbert | Steuart, David |
| Ruthven, John | Simpson, Michael H. |
| Rust, Samuel | Soule, Asa W. |
| Raub, Samuel | Small, John P. |
| Spoor, Abraham D. | Scott, John |
| Spoor, Abraham D. | Stone, Amasa |
| Stevens, Munso, L. | Steel, William |
| Stanley, J. L. and Howard, J. C. | Stearns, C. C. |
| Stedman, Aaron | Stedman, Fisher |
| Squier, John | Smith, Thomas B. |
| Sleeper, J. R. | Strong, Ebenezer B. |
| Sawyer, Isaac | Shultz, Gottlieb |
| Sweet, Peleg | Shermer, Anthony |
| Smith, John, and Smith, William | Stahl, Peter, and John Diffenbasher |
| Stone, James | Smith, John L. |
| Smith, Frederick | Stimpson, James |
| Sands, Thomas J. and Benjamin | Stimpson, James |
| Kendig | Samson, Elnathan |
| Shepherd, Forrest | Stoddard, James |

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ALPHABETICAL LIST—Continued.

- | | |
|---------------------------------|------------------------------------|
| Spicer, Isaac | Vale, Charles |
| Shaw, William | Van Horn, A. L. |
| Steel, John, jr. | Van Cleve, A. H. |
| Sperry, Samuel A. | Woods, Sidney |
| Sweet, Joseph | Ward, Allen |
| Strong, Kellog | West, Stacy |
| Sutherland, Daniel | Wood, Charles |
| Saloman, J. C. Frs. | Woods, A. B. and Ebenezer Tal- |
| Saloman, J. C. Frs. | bot, jr. |
| Semple, Robert | Wing, Warren P. |
| Smith, Bartholomew | Wing, Paul |
| Sanders, W. H. | Whitman, Samuel |
| Seymour, Bradford | Wilson, William |
| Smith, J. K. | Whitman, David |
| Sweet, Nahum | Withers, John |
| Scott, John | Wade, Abraham |
| Stanley, Henry | Whitman, Ezra, jr. assignee of |
| Swett, Samuel | Whitman, Ezra |
| Townsend, Luther | Whitman, Ezra, jr. |
| Trowbridge, William T. | Wilson, William |
| Taylor, J. H. and A. J. Cowles | Williamson, Peregrine |
| Tinkler, Joseph | Whipple, Cullen, Jonathan Sprague, |
| Taylor, Timothy | and Milton D. Whipple |
| Town, Ithiel | Wright, Peter M. |
| Tucker, William | Webber, Henry |
| Tompkins, A. S. and Patrick M. | Whitehill, James |
| Gilray | Warren, Josiah |
| Turner, Elisha | Williams and Wing |
| Teasdale, James C. | Warren, Edmund |
| Tyler, Joseph | Whittemore, William, jr. |
| Todd, Seth J. and J. L. Peabody | Weaver, G. M. |
| Taylor, Theo. | Waring, John |
| Turner, Jos. | Wright, Charles C. |
| Turner, Jos. | Wright, Benjamin, and George |
| Tustin, John | Ketchum |
| Turner, Stukely | Wadsworth, William |
| Throckmorton, Reid | Whiteman, John |
| Tefft, James S. | Wood, Isaac |
| Trabern, Asa, Henry Heberling, | Wyman, Oliver |
| William E. Lukens, and John | Wright, Imlay |
| Heberling | Wilkinson, Jephtha |
| Turk, John | White, John |
| Thompson, Rezin | Wolcott, Freeman |
| Tiers, Arundus | Wilder, Mark |
| Taylor, George W. | Walker, David M. |
| Ustick, Stephen | Williams, Elijah |
| Ustick, Stephen | Wilkinson, David |
| Van Dusen, Washington | Walley, Samuel S. |

[Doc. No. 64.]

ALPHABETICAL LIST—Continued.

Wallace, Victor M.
 Wales, Benjamin
 Warren, David
 Wade, O. D.
 Weber, Adam
 Whiting, John, and John Mears
 Watson, Seth W. and Cloud Robinson
 Wilkinson, W. H.
 Woodward, Joel
 Walcott, Anson
 Walker, William
 Witty, R. T. L.
 Wiatt, H. C.

Wade, H. B.
 Whiten, Nat. D.
 Wilkinson, Verrum
 Walker, S. T.
 Waples, James W.
 Wirt, Jonathan
 Ward, Ulysses
 Wilder, Aretus A.
 Weems, J. W.
 Wood, Edmund
 Wilson, A. M.
 Yale, Linus
 Young, Mason

January 1, 1836.

HENRY L. ELLSWORTH.



PATENTS FOR USEFUL INVENTIONS—1836.

LETTER

FROM

THE SECRETARY OF STATE,

TRANSMITTING

Lists of patents granted for useful inventions during the year 1836, &c.

FEBRUARY 25, 1837.

Read, and laid upon the table.

DEPARTMENT OF STATE,
February 23, 1837.

SIR: In compliance with the resolutions of the House of Representatives of the 13th of January, 1812, and the 2d of April, 1830, I have the honor to transmit a list of the names of persons who have invented any new or useful art or machine, manufacture, or composition of matter, or any improvement therein; and to whom patents have been issued for the same, from this office, or from the Patent Office, within the year 1836; with the dates and general objects of such patents; and also the residences of the patentees, as far as they could be ascertained; also, a list of the names of the patentees alphabetically arranged.

I have the honor to be, sir,

Your obedient servant,

JOHN FORSYTH.

To the honorable the SPEAKER
of the House of Representatives.

CLASSIFIED LIST of letters patent granted from January 1st, 1836, to the re-organization of the Patent Office, July 4th, 1836, inclusive; with the names of the patentees, their residence, and date of patent

AGRICULTURE.

| Inventions or discoveries. | Patentees. | Residence. | When issued. |
|----------------------------|--------------------------|-----------------------|--------------|
| Apples, peeling | John W. Hatcher | Bedford county, Va. | 1836. |
| Bee-hives | J. M. Hubbard | Canterbury, N. H. | February 3. |
| Bee-hives | Ebenezer Beard | New Sharon, Me. | February 5. |
| Bee-hives | Sturgess M. Judd | Danbury, Ct. | February 25. |
| Bee hives | James M. Weeks | Salisbury, Vt. | March 30. |
| Churn | Hezekiah Roberts | Seneca Falls, N. Y. | June 30. |
| Cider-mill | Christian Sheaffer | Lebanon, Pa. | February 5. |
| Cider-mill | Elias Jenkins | Harmony, Pa. | March 19. |
| Clover seed, cleaning | James Manning | Lambertsville, N. Y. | May 17. |
| Clover seed, hulling | J. B. and W. F. Poague | Lexington, Va. | January 6. |
| Clover, cleaning | John Goodyear, jr. | South Middletown, Pa. | February 17. |
| Clover seed, hulling | Cyrus B. Baldwin | Faircastle, Va. | June 2. |
| Clover seed, hulling | Hildreth Robbins | Kennebec, Me. | June 16. |
| Clover seed, hulling | J. Hopper and A. Doughty | Moresborough, Pa. | June 20. |
| Corn, planting | Charles R. Belt | Washington city | June 30. |
| Corn, hulling | Warren Carpenter | Newcastle, Pa. | January 15. |
| Corn, shelling | Isaac A. Hedges | Elmira, N. Y. | January 23. |
| Cotton gin | W. and J. McCreight | Winnsborough, S. C. | February 3. |
| Corn, shelling | Henry G. Neal | Poultney, Vt. | February 5. |
| Corn, shelling | Ira Smith | Downington, Pa. | February 10. |
| Cotton gins | Henry Clark | New London, Ct. | February 13. |
| Cotton gin grates | Edwin Keith | Bridgewater, Mass. | February 25. |
| | | | March 4. |

| | | | |
|-------------------------|-------------------------------|-----------------------|--------------|
| Cotton planter | Michael Beam | Buffalo, N. C. | March 30. |
| Cotton, plough, &c. | Harvey W. Pitts | Wilsonville, Ala. | March 31. |
| Corn sheller | Albert W. Gray | Middletown, Vt. | March 31. |
| Corn and cotton planter | George C. Boyd | New London, Pa. | April 11. |
| Cotton seed huller | Pearson Reading | Trenton, N. J. | April 13. |
| Cotton gin | Pearson Reading | Trenton, N. J. | April 13. |
| Corn husks, slitting | Asa Barrett | Baltimore, Md. | April 21. |
| Cotton, planting | Henry Allen | Fayetteville, Tenn. | June 16. |
| Cotton gin | James McCreight | Winnsborough, S. C. | July 2. |
| Cultivator | James M. Garnett | Loretto, Va. | February 3. |
| Cutting vegetables | Austin H. Robbins | Denmark, N. Y. | May 6. |
| Cutter, vegetable | Henry Mellish | Walpole, N. H. | June 25. |
| Cultivator | J. S. Eastman | Baltimore, Md. | June 30. |
| Clover machine | William Loomis | Ashford, Ct. | July 2. |
| Fanning machine | D. Flanders and C. Rathburn | Fort Covington, N. Y. | February 13. |
| Grain, sowing | William C. Greenleaf | Andover, Me. | July 1. |
| Hoe, garden | Isaac W. Averill | Plymouth, Mich. | June 11. |
| Harvesting machine | H. Moore and J. Hascall | Kalamango, Mich. | June 28. |
| Harrow | J. C. Concklin | Peekskill, N. Y. | April 21. |
| Hoes, cast iron | Benjamin F. Boyden | Boston, Mass. | March 31. |
| Hoes | Adna Allen | Ramapo, N. Y. | January 23. |
| Mowing and thrashing | E. Briggs and G. G. Carpenter | Fort Covington | February 5. |
| Mowing machine | Henry Allen | Fayetteville, Tenn. | June 2. |
| Mowing machine | John Drummond | Waterford, N. Y. | June 30 |
| Mowing machine | William C. Greenleaf | Andover, Maine | July 1. |
| Plough | John Dalkener | Canton, Ohio | January 15. |
| Plough | Samuel Witheron | Gettysburg, Pa. | January 15. |
| Plough | J. J. Chandler and P. Ranger | Milton, Maine | January 20. |
| Plough | William P. Cannon | Monroe county, Tenn. | March 4. |
| Plough | D. Prouty and J. Means | Boston, Mass. | March 4. |

LIST OF PATENTS—AGRICULTURE—Continued.

| Inventions or discoveries. | Patentees. | Residence. | When issued. |
|----------------------------|------------------------------|--------------------------|--------------|
| | | | 1836. |
| Plough | John Farlee | Mercer county, Ky. | April 21. |
| Plough | Nathan Locklin | Sparta, N. Y. | April 28. |
| Plough | Jacob Plank | Carlisle, Pa. | June 2. |
| Plough | Joshua Gibbs | Canton, Ohio | June 16. |
| Plough, wheel. | J. C. Ferguson | Hydesville, Miss. | June 22. |
| Plough | Timothy Miller | Pittsburg, Pa. | July 2. |
| Plough | Isaac Snider | Mount Pleasant, Pa. | July 2. |
| Rake, horse | J. M. Tilford | Murfreesborough, Tenn. | July 1. |
| Rake, horse | James W. Webb | Mount Morris, N. Y. | February 5. |
| Rice, hulling | Erastus S. Root | Mount Morris, N. Y. | May 17. |
| Scythe | Lewis Cole | New Gloucester, Maine | June 16. |
| Straw cutter | Ezra Barnett | Warner, N. H. | June 16. |
| Straw cutter | Isaac S. Wright | Elbridge, N. Y. | February 3. |
| Straw cutter | C. D. Skinner and D. Read | Haddam, Ct. | February 10. |
| Straw cutter | Joseph Everett | Geneva, N. Y. | February 10. |
| Straw cutter | James Hyde | Darien, N. Y. | February 23. |
| Straw cutter | James M. Wolfolk | Oldham county, Ky. | February 21. |
| | E. Tarbox and C. F. Kneeland | Ogden, N. Y. | June 22. |
| Straw cutter | Mallory M. Marshall | Smithfield, Va. | July 1. |
| Smut and hulling machine | Samuel Richardson | Elmira, N. Y. | February 5. |
| Smut machine | Abraham Mudge | Canajoharie, N. Y. | February 25. |
| Smut machine | M. B. Spafford | Gainsville, N. Y. | March 8. |
| Smut machine | Robert Engle | Burlington county, N. J. | June 2. |
| Smut machine | Rufus Dennison | Wilton, Maine | July 2. |

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|-------------------|---------------------------|------------------------|--------------|
| Smut machine | Jonas Pratt | Otsego, N. Y. | July 2. |
| Smut machine | W. B. Ryan | Mount Morris, N. Y. | April 28. |
| Smut mill | J. T. Town | Mount Morris, N. Y. | June 16. |
| Thrashing machine | Eléazer Brown | Chenango, N. Y. | January 20. |
| Thrashing machine | Lewis H. Mans | Danville, Pa. | February 5. |
| Thrashing machine | Thomas Bedee | Sandwich, N. H. | February 10. |
| Thrashing machine | James Cooper | Greene county, Ohio | February 20. |
| Thrashing machine | Hugh & J. W. Edgar | Wayne county, Ohio | March 23. |
| Thrashing machine | Hugh Barclay | Lexington, Va. | April 28. |
| Thrashing machine | Nicholas Goldsborough | Easton, Md. | May 6. |
| Thrashing machine | George Beaumont | Mount Pleasant, Pa. | May 6. |
| Thrashing machine | Jacob S. Rollins | New Gloucester, Maine | June 2. |
| Thrashing machine | J. Barley and J. Sprinkle | Rockingham county, Va. | June 20. |
| Thrashing machine | Porter Cleaveland | Yancey Mills, Va. | June 25. |
| Thrashing machine | Aaron Parsons | Rockfield, Maine | July 2. |
| Winnowing machine | David Wilson | Johnston, Vt. | February 20. |
| Winnowing machine | Jonathan Beane | Montville, Maine | March 31. |

FACTORY MACHINERY.

| | | | |
|-----------------------|------------------|-------------------------|--------------|
| Awl haft | David M. Smith | Gilsom, N. H. | March 31. |
| Axes, manufacturing | Elisha K. Root | Canton, Ct. | March 30. |
| Awl haft | William Campbell | Gilsom, N. H. | July 1. |
| Block for anvil | S. Van Tiers | Hanover Iron Works, Pa. | March 19. |
| Braces, gum elastic | Ransom Warner | New York, N. Y. | March 18. |
| Breakers, cylindrical | Smith Cram | New York, N. Y. | June 2. |
| Car door fastening | John K. Smith | Port Clinton, Pa. | February 12. |
| Cotton, drying, &c. | John Philbrick | Cold Springs, Miss. | February 12. |
| Candles, mould | Jefferson Dunlap | New Holland, Pa. | March 8. |

LIST OF PATENTS—FACTORY MACHINERY—Continued.

| Inventions or discoveries. | Patentees. | Residence. | When issued. |
|----------------------------|--------------------|-------------------|--------------|
| | | | 1836. |
| Combs of metal | H. Durell | New York, N. Y. | June 20. |
| Combs of metal | R. A. Ives | Bristol, Ct. | July 1. |
| Cotton, roping | William Fowler | Fishkill, N. Y. | March 23. |
| Cotton, spinning | William P. Brayton | New York, N. Y. | June 25. |
| Chest, fire-proof | James Matthews | New York, N. Y. | June 16. |
| Chocolate, grinding | G. W. Waite | Baltimore, Md. | June 25. |
| Chocolate, moulding | G. W. Waite | Baltimore, Md. | June 25. |
| Drills for metal | William R. Jones | Granville, N. Y. | January 11. |
| Fliers for spinning | Samuel Ladd | Waltham, Mass. | February 20. |
| Flier for spinning | Samuel Ladd | Waltham, Mass. | May 6. |
| Fliers for cotton spinning | John Morse | Newton, Mass. | June 25. |
| Gimlets, &c. | William M. Fowler | N. Branford, Ct. | April 28. |
| Gimlets, forging | De Grasse Fowler | Wallingford, Ct. | July 2. |
| Hats, dying | Aaron Gould | Washington, Ct. | January 11. |
| Hat block | W. W. Jemeson | Wheeling, Ohio | March 30. |
| Hats, napping | L. Lyon, 2d | Needham, Mass. | April 13. |
| Hair and oakum, picking | R. B. Lewis | Hallowell, Maine | June 25. |
| Hats, palm-leaf | Frederick Groening | Brooklyn, N. Y. | June 25. |
| Hemp breaking machine | John Pursell | Perryville, Ky. | March 18. |
| Hemp, &c., spinning | Moses Day | Roxbury, Mass. | June 2. |
| Hinges, butt, &c. | Welcome Whittaker | Troy, N. Y. | March 12. |
| Hinges, butt | James Rouse | Troy, N. Y. | May 17. |
| Iron and steel, making | William P. Boyden | New York, N. Y. | June 11. |
| Latch mortise | William Coover | Erie, Pa. | February 17. |
| Lever key, and lock | Augustus Prutyman | Philadelphia, Pa. | March 4. |

| | | | |
|-------------------------|----------------------------------|--------------------|--------------|
| Leather-rolling machine | J. McLaughlin and H. Hill | Sunderland, Vt. | April 28. |
| Leather shaving | Herkimer Johnson | Brooklyn, Ct. | June 16. |
| Lock for doors | Solomon Andrews | Perth Amboy, N. J. | January 11. |
| Locks, mortise | P. & E. W. Blake | New Haven, Ct. | February 5. |
| Lock, door | James McClory | New York, N. Y. | March 18. |
| Loom, power | F. C. Lewis | Grafton, Mass. | March 30. |
| Lock, door | Benjamin Smith | Canton, Ct. | April 13. |
| Locks | P. B. Quimby | Belfast, Maine | May 23. |
| Loom, power | Benjamin Lapham | Waterford, N. Y. | June 28. |
| Locks for doors | Almon Roff | New York, N. Y. | July 1. |
| Locks for doors | James McClory | New York, N. Y. | July 2. |
| Machinery, regulating | Nathan Schoolfield | Norwich, Ct. | May 17. |
| Napping machine | Stephen Marsh | Jericho, Vt. | January 11. |
| Paper-making | Charles Forbes | East Hartford, Ct. | February 20. |
| Paper drying | Henry Howe | Shirley, Mass. | March 12. |
| Pen and pencil case | Henry Withers | New York, N. Y. | March 19. |
| Platform balance | C. P. Ladd | Strasburg, Vt. | May 17. |
| Platform balance | James M. Peck | Lyndon, Vt. | May 23. |
| Pottery, moulding | J. C. Mendall and R. B. Ricketts | Masonville, Ky. | June 30. |
| Ropes, &c, making | J. Whiteman | Philadelphia, Pa. | January 15. |
| Ropes and cordage | William Fanning | New York, N. Y. | February 3. |
| Reed making machine | J. A. Wilkinson | Providence, R. I. | May 23. |
| Safe fire-proof | Daniel Harrington | Philadelphia, Pa. | March 2. |
| Saw-teeth, cutting | Samuel G. Merriman | Southington, Ct. | April 11. |
| Saws, straightening | E. Rathburn and W. Tinker | Conneaut, Ohio | July 1. |
| Screws, cutting wooden | Joseph Peavy | Levant, Maine | January 6. |
| Screws, making | William Keane | Monroe, N. Y. | February 13. |
| Screw packing machine | Stephen Terry | Decatur, Ga. | June 11. |
| Serving ropes | Adam Montgomery | New York, N. Y. | March 18. |
| Serving ropes | Charles Parke | New York, N. Y. | April 13. |

LIST OF PATENTS - FACTORY MACHINERY - Continued.

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| Inventions or discoveries. | Patentees. | Residence. | When issued. |
|-------------------------------------|----------------------------------|------------------------------------|--------------|
| | | | 1836. |
| Silk hats, water-proof - - - - | George B. Dexter - - - - | Boston, Mass. - - - - | January 6. |
| Shears, for tailors, &c. - - - - | Richard Fitzgerald - - - - | Elizabethtown, N. J. - - - - | April 28. |
| Silk, winding - - - - | Adam Brooks - - - - | South Scituate, Mass. - - - - | June 20. |
| Silk, winding, gimp or cord - - - - | Adam Brooks - - - - | South Scituate, Mass. - - - - | June 20. |
| Soda fountains - - - - | R. Boston and T. Bryant - - - - | New York, N. Y. - - - - | April 11. |
| Spindle and flier - - - - | W. T. Eddy - - - - | Ithaca, N. Y. - - - - | February 10. |
| Spinning machine - - - - | John Morgan - - - - | Manayunk, Pa. - - - - | May 14. |
| Spoons, casting - - - - | William Mix - - - - | Prospect, Ct. - - - - | June 28. |
| Timber, slitting - - - - | R. Beale and M. Bucklin - - - - | Grafton, N. H. - - - - | May 23. |
| Weaving, improvement in - - - - | Cullen Whipple - - - - | Douglass, Mass. - - - - | June 11. |
| Wire, cap - - - - | Melville Kelsey - - - - | New York, N. Y. - - - - | March 12. |
| Wool, spinning - - - - | J. Withered - - - - | Baltimore, Md. - - - - | March 30. |
| Wool, spinning - - - - | Sykes & Conrard - - - - | Fredericktown, Md. - - - - | March 3. |
| Wool, combing - - - - | S. Couillard's assignees - - - - | Boston, Mass. - - - - | June 16. |
| Woollen yarn - - - - | William B. Walker - - - - | Hillsborough Bridge, N. H. - - - - | July 1. |
| Wool and flax comber - - - - | William W. Calvert - - - - | Lowell, Mass. - - - - | July 2. |

NAVIGATION.

| | | | |
|---------------------------|---------------------------|--------------------------|-------------|
| Anchor, cast iron - - - - | James S. Stoddard - - - - | Palmyra, N. Y. - - - - | July 2. |
| Boats, propelling - - - - | Philander Noble - - - - | Westfield, Mass. - - - - | January 20. |

| | | | | |
|------------------------------|--|--------------------|----------------------------------|--------------|
| Boats | | | | |
| Boats passing over dams | | Edward Fitzpatrick | Mount Morris, N. Y. | February 12. |
| Boats and rafts passing, &c. | | Stephen Underwood | Bath, N. H. | March 19. |
| Boats, propelling, &c. | | Benning Sanborn | Lyman, N. H. | April 11. |
| | | Gideon Hotchkiss | Windsor, Broome county, N. Y. | June 2. |
| Capstan | | Andrew Morse | Boston, Mass. | March 12. |
| Canal lock indicator | | Valentine Brown | Clifton Park, N. Y. | May 14. |
| Canal lock gate | | Valentine Brown | Clifton Park, N. Y. | May 14. |
| Canal lock | | David Wilkinson | Cahoes, N. Y. | May 14. |
| Dock, hydraulic | | Zebedee Ring | New York | February 13. |
| Paddles for boats | | John Cochran | Baltimore, Md. | April 28. |
| Rudder | | Samuel Kepner | Harrisburg, Pa. | March 4. |
| Sheaves for blocks | | Cyrus Alger | Boston, Mass. | July 1. |
| Thimbles, ship | | Prentiss White | Yarmouth, Mass. | July 2. |
| Vessels, construction of | | Daniel Gerrish | Boston, Mass. | July 2. |
| Vessels, raising | | Tobias Cook | Scituate, Mass. | June 30. |

LAND WORKS.

| | | | | |
|------------------------------|--|---|---|------------|
| Bridges, wooden | | Stephen K. Long | United States topograph- ical engineer | January 23 |
| Cars, taking over elevations | | Smith Cram | New York, N. Y. | June 11. |
| Chuck, gripe | | David Peeler | Boston, Mass. | March 31. |
| Dock, dry | | J. Houston, A. Hinman, and J. Ingraham | Buffalo, N. Y. | June 22. |
| Marsh drainer | | Jean Blanc | New Orleans, La. | July 2. |
| Rail plates | | A. M. McCaine | Montgomery, Ala. | March 31. |
| Rail-roads | | Nathan Reed | Belfast, Maine | March 31. |
| Road making | | John S. Williams | Fulton, Ohio | July 1. |

LIST OF PATENTS—LAND WORKS—Continued.

| Inventions or discoveries. | Patentees. | Residence. | When issued. |
|----------------------------|-----------------------------|------------------|--------------------|
| Rivers, excavating from | Sylvanus Russe" | Buffalo, N. Y. | 1836. April 28. |
| Sewers of hydraulic cement | Obadiah Parker | New York, N. Y. | July 2. |
| Tunnelling rivers | J. B. Bucklin and J. Jacobs | West Troy, N. Y. | June 11. |
| Wharves, piers, &c. | John G. Pray | Brooklyn, N. Y. | January 6. |

COMMON TRADES.

| | | | |
|----------------------|----------------------------|------------------------|--------------|
| Bedsteads | Jonas Maguire | Philadelphia, Pa. | January 15. |
| Boot legs, cramping | William Gerrish | Poland, Me. | February 10. |
| Boot tree | M. Matthews | Wayne county, Ohio | February 25. |
| Boots, turning | Peletiah Stevens | Stoughton, Mass. | March 4. |
| Brick machine | John Moffat | Buffalo, N. Y. | March 8. |
| Bed bug destroyer | Brittain Garrard | Maryville, Tenn. | March 12. |
| Bedsteads, cot | Samuel Clark | New York, N. Y. | March 23. |
| Brick machine | Nathaniel Adams | Newburg, N. Y. | April 13. |
| Bed, spiral spring | M. F. Moody and B. Eastman | Northampton, Mass. | April 13. |
| Brick machine | Gooding Holloway | Montgomery county, Pa. | April 21. |
| Bedstead fastening | Ira McLaughlin | Sunderland, Vt. | April 28. |
| Balance | Jirah Vaughn | Rutland, Vt. | May 6. |
| Brooms and brushes | Rhodolphus Kinsley | Cabotville, Mass. | May 17. |
| Boot tucking machine | Sherburne C. Blodget | Rowley, Mass. | June 11. |

| | | | |
|------------------------------------|---------------------------|---------------------|--------------|
| Buildings, columns for | Jordan L. Mott | New York | June 11. |
| Bedsteads | Christian Kniseley | Meadville, Pa. | June 16. |
| Boot cramp | Hubbard L. Pierce | St. Johnsbury, Vt. | June 25. |
| Buildings, constructing | Lewis Knapp | New York | June 28. |
| Bitt stocks | Jeremy Taylor | Hebron, Conn. | June 30. |
| Brick moulding machine | James Coppuck | Louisville, Ky | July 1. |
| Bars, and iron | J. Cochran | Batavia, N. Y. | July 1. |
| Brick machine | Calvin Waterman | Bath, Me. | July 2. |
| Bolts and spikes, drawing | Richard Haynes | Portsmouth, Va. | July 2. |
| Balance, platform | John Horton | Madrid, N. Y. | July 2. |
| Churn | Lyman Whittier | Vienna, Me. | February 10. |
| Churn | John E. Thomas | Winchester, Ohio | February 12. |
| Cask and barrel headings | Hiram Andrews | Canaan, Ct. | March 2. |
| Churn | Amos Hanson | Windham, Me. | March 2. |
| Cask machine | Sumner King | Suffield, Ct. | March 23. |
| Churn | Thomas Nicholson | New Market, Va. | March 31. |
| Cases, glass | Thomas W. Whitly | Paterson, N. J. | April 21. |
| Churn | Charles Merriman, jr. | Middletown, Ct. | April 21. |
| Coffin, metallic | James A. Gray | Richmond, Va. | June 11. |
| Churn, dash | Samuel Jackson | Jay, Me. | June 11. |
| Churn | Amasa Wharff | New Gloucester, Me. | June 16. |
| Churn | Samuel Tyler | New Gloucester, Me. | June 25. |
| Chair, easy | Andrew Wood | Charlestown, Va. | June 28. |
| Churn | Davis Variel | Minot, Me. | July 1. |
| Dough, rolling and cutting cracker | William R. Nevins | New York, N. Y. | March 2. |
| Dough machine | D. and T. Shackford | West Brook | March 2. |
| Flour cooler | Josiah Pope | Windham, Me. | February 5. |
| Faucet, molasses | Charles W. Peckham | New Haven, Ct. | February 10. |
| Feather cleaning | Daniel K. Hall | New York, N. Y. | February 12. |
| Feather dresser | Samuel Keplinger | Baltimore, Md. | February 12. |
| Feather renovator | J. W. Post and R. Collier | Baltimore, Md. | March 2. |
| Forge, blacksmith's | Charles Richardson | Greenfield, N. H. | March 12. |

LIST OF PATENTS—COMMON TRADES—Continued.

| Inventions or discoveries. | Patentees. | Residence. | When issued. |
|--------------------------------------|---|---------------------------------|--------------|
| | | | 1836. |
| Feather dressing - - - - | Flam Wilbur - - - - | Geneva, N. Y. - - - - | March 18. |
| Feather dressing - - - - | B. and A. Todd - - - - | Marietta, Ohio - - - - | May 6. |
| Feather dressing - - - - | George Reynolds - - - - | East Hartford, Ct. - - - - | May 23. |
| Fence pickets, cutting - - - - | J. Tichenor, S. Goodrich, and G. A. Hart - - - - | Ithaca, N. Y. - - - - | June 22. |
| Feather dressing - - - - | Benton P. Coston - - - - | Philadelphia, Pa. - - - - | June 28. |
| Feather dresser - - - - | F. P. Knowlton - - - - | Clermont, N. H. - - - - | July 2. |
| Fly net for horses - - - - | Henry Korn - - - - | Philadelphia, Pa. - - - - | July 2. |
| Grooves in corse, rings, &c. - - - - | Charles Buckland - - - - | Middletown, Ct. - - - - | June 2. |
| Gauges, making - - - - | M. M. Brainard - - - - | Great Barrington, Mass. - - - - | March 4. |
| Granite dressing machine - - - - | J. D. Buzzell - - - - | Cape Elizabeth, Me. - - - - | June 2. |
| Horse collar - - - - | John Hopkinson - - - - | Warren county, Ohio - - - - | January 23. |
| Harness, rivetting - - - - | William Dukehart - - - - | Baltimore, Md. - - - - | March 3. |
| Hat bodies, stiffening - - - - | J. P. Keltell and J. Wright - - - - | Worcester county, Mass. - - - - | June 11. |
| Horse collars, forming - - - - | G. Warner and R. Robin- son - - - - | Canajoharie, N. Y. - - - - | June 22. |
| Hides, unhairing - - - - | James Banks - - - - | Dixmont, Me. - - - - | June 30. |
| Hat bodies, for stiffening - - - - | E. P. Spear - - - - | Lexington, Mass. - - - - | July 2. |
| Ice cutting machine - - - - | Samuel Trask - - - - | Hallowell, Me. - - - - | April 21. |
| Ice-breaker - - - - | Michael Freytay - - - - | Philadelphia, Pa. - - - - | July 2. |
| Knife, drawing - - - - | Edmund Richards - - - - | Hingham, Mass. - - - - | June 28. |
| Lathe for gun stocks - - - - | Abner Town - - - - | Woodbury, Vt. - - - - | February 25. |
| Locks, door - - - - | Abel Conant - - - - | Lowell, Mass. - - - - | March 12. |
| Lathe machine - - - - | Elihu Smith - - - - | Ithaca, N. Y. - - - - | April 28. |
| Leather, glazed - - - - | E. G. Adams - - - - | Decatur, Geo. - - - - | June 30. |

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|-----------------------------|--------------------------|--------------------------|--------------|
| Mortising machine | George Page | Keene, N. H. | March 18. |
| Mortising machine | Erastus M. Shaw | Wilbranam, Mass. | March 23. |
| Mortising and boring | George Page | Keene, N. H. | March 13. |
| Mortising tinbet | George Page | Keene, N. H. | March 21. |
| Meal, chopping | J. Masser and S. Smith | Meyentown, Pa. | June 2. |
| Mortising machine | J. C. Channell | Dunstable, N. H. | June 16. |
| Mortising machine | Samuel E. Babcock | Olstead, N. H. | June 16. |
| Mortising machine | John Hawkins | Stockbridge, Mass. | June 20. |
| Mattresses, bolsters, &c. | A. Sailsbury and J. Uram | Troy, N. Y. | July 1. |
| Neck stocks, shaping | Thomas Goodrum | New York, N. Y. | July 2. |
| Patterns for casting | L. H. Mans | Danville, Pa. | February 5. |
| Planing machine | Melzer Tuells | Milo, N. Y. | February 10. |
| Pressing water from clothes | Caleb Angerine | New York, N. Y. | February 25. |
| Press, brick | Phineas Ball | Mount Vernon, Ohio | March 2. |
| Pegs, shoe | R. H. Thompson | Rochester, N. Y. | March 23. |
| Plane | J. T. Jones | Philadelphia, Pa. | May 14. |
| Planing machine | Lorram Curtis | Sherburne, N. Y. | June 16. |
| Planing machine | P. M. Martz | Marion county, Ia. | June 25. |
| Planing machine | Ira Gay | Dunstable, N. H. | June 25. |
| Plane, revolving | Lemuel Hedge | Brattleboro', Vt. | June 28. |
| Rags, cleaning | George Carriel | Manchester, Ct. | July 1. |
| Saw belt for timber | Benjamin Barker | Ellsworth, Me. | January 6. |
| Saw for felling trees | Walter Hunt | New York, N. Y. | January 6. |
| Saddles and collars | Ebenezer Hall | New York, N. Y. | January 20. |
| Saddletree | Andrew R. McBride | Williamson county, Tenn. | February 5. |
| Saw-mill saw | B. K. Barker | Johnsburg, N. Y. | February 5. |
| Sausage meat, cutting | Ambrose Henkel | New Market, Va. | February 13. |
| Saw belt | William Carey | Poughkeepsie, N. Y. | February 17. |
| Staves, sawing, &c. | A. Bard and S. Heywood | Lunenburg, Mass. | February 20. |
| Stones, boring | Andrew Turney | Reading, Ct. | March 30. |
| Soles, cutting | Jonathan Hill | Billerica, Mass. | March 31. |
| Sacking bottom | L. L. Wells | Middletown, Ct. | April 13. |

LIST OF PATENTS—COMMON TRADES—Continued.

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| Inventions or discoveries. | Patentees. | Residence. | When issued. |
|----------------------------|----------------------------|--------------------------|--------------|
| | | | 1836. |
| Shingles, dressing | N. P. Hawk and J. Keyes | Union, N. Y. | April 21. |
| Spring saddle | Peter Crim | Waynestown, Pa. | April 28. |
| Shoemaking machine | J. Hall | North Bridgewater, Mass. | May 6. |
| Sawing machine | Joseph Peevy | Levant, Me. | May 14. |
| Sawing timber | Joshua Webb | Brooklyn, Ct. | May 14 |
| Stores, building, &c. | Isaac Knight | Baltimore, Md. | May 23. |
| Stone cutting and planing | A. Clark and C. H. Boynton | West Stockbridge, Mass. | June 20. |
| Stone cutting machine | J. and J. Sutton | Reading, N. Y. | June 20. |
| Saddle, elastic | William McCormick | Bath county, Ky. | June 20. |
| Saddles | Benjamin Kraft | Reading, Pa. | June 20. |
| Shoes, over | Daniel H. Bond | Canterbury, Ct. | June 30. |
| Staves, sawing | Charles M. Keller | Washington, D. C. | June 30. |
| Staves for barrels | Cyrus McGregor | Newport, N. H. | July 2. |
| Saddle | Otho W. S. Callihan | Staunton, Va. | July 1. |
| Shingle machine | Tunis J. Burhyte | Barton, N. Y. | July 1. |
| Saw, rotary | Robert S. Thomas | Rockingham, N. C. | July 1. |
| Saddles, ladies' | M. Jenkins | Attica, N. Y. | July 1. |
| Trunks, valises, &c. | James W. Noble | Pittsfield, Mass. | January 15. |
| Trap, for rats, &c. | Thomas Neill | Herkersville, Ohio | January 23. |
| Tew irons | John Shugert | Elizabethtown, Pa. | March 31. |
| Trunks, travelling | Washington Sweetzer | Fortsmouth, N. H. | July 1. |
| Trunks, valises, &c. | William Brown | Brooklyn, N. Y. | July 1. |
| Tailoring, art of | James Zwisler, jr. | Hagerstown, Md. | July 1. |
| Washing machine | Joab H. Hubbard | Bloomfield, Ct. | January 6. |

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|------------------------|---|---|---|----------------------------------|---|---------------------|--------------|
| Washing machine | - | - | - | Luther Davis | - | Norwich, Ct. | February 12. |
| Washing machine | - | - | - | John S. Geer | - | Norwich, Ct. | March 2. |
| Wood, boring | - | - | - | J. B. Pell | - | New York, N. Y. | March 2. |
| Washing machine | - | - | - | Albion P. Arnold | - | Readfield, Maine | March 12. |
| Washing machine | - | - | - | E. Y. Watson | - | Albany, N. Y. | March 23. |
| Wood-work, joints of | - | - | - | S. C. Batchelor and N. S. Thomas | - | Watertown, N. Y. | March 30. |
| Washing machine | - | - | - | Charles Merriman | - | Middletown, Ct. | April 21. |
| Washing machine | - | - | - | Henry Souder | - | Strasburgh, Pa. | April 21. |
| Wood, sawing | - | - | - | Joseph Pinneo, jr. | - | Hanover, N. H. | April 21. |
| Window blind fastening | - | - | - | Jonathan Bacon | - | Bedford, Mass. | April 28. |
| Washing machine | - | - | - | L. R. Prince | - | Beverly, Mass. | May 14. |
| Washing machine | - | - | - | Amory Davidson | - | Littleton, Mass. | June 11. |
| Washing machine | - | - | - | Amos Larcum | - | Troy, N. Y. | June 16. |
| Window fastenings | - | - | - | Marcus Merriman, jr. | - | New Haven, Ct. | June 20. |
| Wrench rack | - | - | - | Alonzo G. Hull | - | Troy, N. Y. | June 20. |
| Washing machine | - | - | - | William Newton | - | Warren county, Ohio | July 1. |
| Window frieze, &c. | - | - | - | William Wolley | - | New York, N. Y. | July 1. |
| Washing machine | - | - | - | James H. Little | - | Skaneateles, N. Y. | July 2. |

WHEEL CARRIAGES.

| | | | | | | | |
|--------------------------|---|---|---|-------------------------|---|---------------------|--------------|
| Axle, carriage and cars | - | - | - | Spencer Coleman | - | Mount Pleasant, Va. | March 2. |
| Bolt for mail-bags | - | - | - | Ira Atkins | - | Hanover, N. H. | February 17. |
| Boxes, fitting to wheels | - | - | - | J. & C. Putnam | - | Hallowell, Maine | April 28. |
| Cars, rail-road | - | - | - | J. Davis and W. Ashdown | - | Baltimore, Md. | March 4. |
| Carriages, springs for | - | - | - | Newel Hungerford | - | Ithaca, N. Y. | March 31. |
| Cars, rail-road | - | - | - | Isaac Knight | - | Baltimore, Md. | April 28. |

LIST OF PATENTS—WHEEL CARRIAGES—Continued.

| Inventions or discoveries. | Patentees. | Residence. | When issued. |
|-------------------------------------|---------------------------------|-------------------------|-------------------|
| Cars, rail road, attaching | L. Pickering and J. Lightner | Boston, Mass. | 1836. June 28. |
| Engines, locomotive | H. R. Campbell | N. L. Philadelphia, Pa. | February 5. |
| Engines, locomotive, and rail-roads | Isaac W. Edgar | Wayne county, Ohio | July 2. |
| Horse-detaching | Philip T. Share | Baltimore, Md. | March 18. |
| Sulkey-seat | O. H. Capron and G. Barton, jr. | Shattisbury, Vt. | January 23. |
| Tire for wheels | James H. Rogers | Mount Morris, N. Y. | February 17. |
| Tilts, wagon | Stephen Beebe | Norwich, Ct. | June 22. |
| Wagons, hanging, &c. | Henry Mellish | Walpole, N. Y. | January 11. |
| Wheels, carriage, confining | Clark Force | Baltimore, Md. | April 28. |
| Wheels, cart and carriage | William Woodbridge | Kennebec, Maine | May 17. |
| Wheels, hubs for | John Atherton | Philadelphia, Pa. | June 2. |

HYDRAULICS.

| | | | |
|-----------------|------------------|-------------------|--------------|
| Hydrant | David Horne | Baltimore, Md. | March 31. |
| Hydrant | Sater T. Walker | Baltimore, Md. | July 1. |
| Hydrant | Sater T. Walker | Baltimore, Md. | July 2. |
| Pump, force | Benjamin Egbert | Lansing, N. Y. | January 23. |
| Pump, suction | Thomas C. Barton | Washington, N. J. | February 20. |
| Pump, vibrating | Sampson Davis | Derby, Vt. | February 25. |

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|-----------------------------|---|---|---|--|---|-------------------|---|--------------|
| Pump, double-force | - | - | - | Levi Newton | - | Alexander, N. Y. | - | March 8. |
| Pump, forcing | - | - | - | W. W. Lesner | - | Venice, N. Y. | - | March 12. |
| Pumps, forcing | - | - | - | John F. Rogers | - | Waterford, N. Y. | - | March 30. |
| Pumps, forcing | - | - | - | Nathan Chapin | - | Penn Yan, N. Y. | - | March 30. |
| Pump - | - | - | - | J. F. Walker | - | Easton, Pa. | - | May 6. |
| Pump, frictionless | - | - | - | Edward Whitfield | - | New York, N. Y. | - | June 2. |
| Pump - | - | - | - | Abram T. Mixwell | - | Oxford, N. J. | - | June 30. |
| Pump, force, double | - | - | - | John G. White | - | Dryden, N. Y. | - | July 1. |
| Valve, slide | - | - | - | A. McCausland, jr. | - | Philadelphia, Pa. | - | February 10. |
| Valve, puppet, raising, &c. | - | - | - | W. Duff and T. Murphy | - | Baltimore, Md. | - | February 17. |
| Water, conveying | - | - | - | Samuel Hant | - | Baltimore, Md. | - | March 31. |
| Water, raising - | - | - | - | Joseph Turner | - | Poland, Maine | - | May 6. |
| Water, applying | - | - | - | J. Hinds, M. B. Ball, and S. Pike - | - | Troy, N. Y. | - | May 14. |
| Water, raising - | - | - | - | Jesse C. Wood | - | Ephrata, N. Y. | - | June 22. |
| Water, raising, by weights | - | - | - | David Hess | - | Shepardstown, Va | - | July 1. |
| Wells, covers of | - | - | - | Levi Kidder | - | New York, N. Y. | - | January 15.. |

CALORIFIC AND STEAM APPARATUS

| | | | | | | | | |
|---------------------------|---|---|---|--------------------------|---|--------------------|---|--------------|
| Baker, reflecting | - | - | - | L. B. Olmsted | - | Binghamton, N. Y. | - | January 20. |
| Blow-pipe for furnace | - | - | - | J. Barker | - | Baltimore, Md. | - | February 12. |
| Chimney-ovens, &c. | - | - | - | Elihu Smith | - | Ithaca, N. Y. | - | July 1. |
| Distilling, cold | - | - | - | A. V. H. Webb | - | Utica, N. Y. | - | May 14. |
| Distilling | - | - | - | Peter Swartz, jr. | - | Muncey, Pa. | - | June 25. |
| Distilling | - | - | - | A. R. Kerr and H. Hoover | - | Waynesborough, Pa. | - | July 1. |
| Fermenting and distilling | - | - | - | Josiah Stowell | - | Manchester, N. H. | - | February 5. |
| Fire-place and stove | - | - | - | Foster Stevens | - | Springfield, Mass. | - | March 2. |
| Fire-places | - | - | - | Elijah Skinner | - | Sandwich, N. H. | - | March 12. |

LIST OF PATENTS—CALORIFIC AND STEAM APPARATUS—Continued.

| Inventions or discoveries. | Patentees. | Residence: | When issued. |
|----------------------------------|-----------------------|------------------------|--------------|
| | | | 1836. |
| Fire-places - - - - - | William Burgess - | Middleborough, Mass. - | March 12. |
| Fire-places - - - - - | William R. Prescott - | Hallowell, Maine - | March 19. |
| Fire-place - - - - - | Reuben Buck - | Acton, Maine - | July 1. |
| Fires, extinguishing - - - - | Isaac Clowes - | Norfolk, Va. - | July 2. |
| Furnace and boiler combined - | Alexander Harrison - | New Haven, Ct. - | March 2. |
| Furnace for smelting - - - - | Arundius Tiers - | Kensington, Pa. - | April 11. |
| Furnace, blast - - - - - | Benjamin Kugler - | Philadelphia, Pa. - | June 2. |
| Grate and cooking-stove - - - | J. J. Giraud - | Baltimore, Md. - | February 10. |
| Grate - - - - - | James Bennett - | New York, N. Y. - | May 14. |
| Grates, parlor - - - - - | William Anderson - | New York, N.-Y. - | June 25. |
| Grates, pendulum - - - - - | Nathan Winslow - | Portland, Maine - | July 2. |
| Grate, sliding - - - - - | John C. Howard - | Hampton, Ct. - | February 13. |
| Heat, management of - - - - - | Lovell Lewis - | Lewistown, N. Y. - | March 2. |
| Heat, applying, from lime, &c. - | Peter Wenn - | Philadelphia, Pa. - | March 8. |
| Heating water machine - - - - | D. B. Barnum - | New Fairfield, Ct. - | June 25. |
| Heating chocolate ingredients - | G. W. Waite - | Baltimore, Md. - | June 25. |
| Heating rooms and ovens - - - | J. A. Pitts - | Winthrop, Maine - | July 2. |
| Kitchen range - - - - - | George Johnson - | Philadelphia, Pa. - | May 23. |
| Lamp, reflecting - - - - - | John C. Fletcher - | Springfield, Ohio - | March 30. |
| Lamp burner, light-house - - - | Isaac Dunham - | Bristol, Maine - | June 20. |
| Light and heat, generating - - - | H. L. Barnum - | New York, N. Y. - | June 2. |
| Oven - - - - - | Samuel Pollard - | Orono, Maine - | February 3. |
| Ovens, reflecting - - - - - | C. D. Van Allen - | Penn Yan, N. Y. - | March 31. |
| Oven baker - - - - - | Eben B. Strong - | Buffalo, N. Y. - | April 11. |
| Oven - - - - - | William H. Akins - | Berkshire, N. Y. - | June 2. |

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|------------------------------|----------------------------|---------------------|--------------|
| Ovens, heating by anthracite | F. C. Treadwell | Brooklyn, N. Y. | June 16. |
| Oven, reflecting | Benjamin Ames | Ithaca, N. Y. | June 25. |
| Safe, fire-proof | Daniel Harrington | Philadelphia, Pa. | March 2. |
| Salt, supplying | Peter Cooper | New York, N. Y. | February 20. |
| Salt, making | Richard K. Cralle | Lynchburg, Va. | March 18. |
| Smoke, consuming | Nathan Lockling | Sparta, N. Y. | March 4. |
| Spark catcher | Abraham McDonough | Philadelphia, Pa. | February 17. |
| Spark catcher | Francis Milo | New York, N. Y. | February 25. |
| Spark catcher | William Shultz | Philadelphia, Pa. | March 31. |
| Spark extinguisher | James F. Curtis | Boston, Mass. | April 13. |
| Spark extinguisher | A. Whitney and L. S. Burr | Albany, N. Y. | May 23. |
| Spark extinguisher | Gabriel Winter | Donaldsonville, La. | July 1. |
| Stove, air tight | Isaac Orr | Washington, D. C. | January 20. |
| Stove-pipes | Ezra Ripley | Albany, N. Y. | January 23. |
| Stove, cooking | R. G. Cochran | Francistown, N. H. | February 3. |
| Stove, cooking | Daniel Williams | Scaghticoke, N. Y. | February 3. |
| Steam-engine, rotary | Aaron Clark | Bangor, Maine | February 17. |
| Still | John Wright | New York, N. Y. | February 20. |
| Stove, cooking | B. & A. Titus | Marshall, N. Y. | February 25. |
| Stove or fire-place | C. Hendricks and W. Elwell | Gardner, Maine | February 25. |
| Stove-caps, rotary | Maynard French | Albany, N. Y. | March 2. |
| Steam generator | Job Carr | Springborough, Ohio | March 12. |
| Stove, cooking | John Liddle | Schoharie, Ohio | March 12. |
| Steam generator | John Ames | Springfield, Mass. | March 12. |
| Stoves, cook | Charles Vale | Newark, N. J. | March 18. |
| Steam generator | E. Nott | Schenectady, N. Y. | March 19. |
| Stove, cooking | O. Wilson | Concord, Mass. | March 23. |
| Stove | William M. Carmichael | Hempstead, N. Y. | March 23. |
| Steam-engine, rotary | David Ulam | Greenburg, Pa. | March 23. |
| Stove | John H. B. Swanzey | Lynn, Mass. | March 30. |
| Stove, cooking | B. H. Pearson | Warner, N. H. | March 31. |

LIST OF PATENTS—CALORIFIC AND STEAM APPARATUS—Continued.

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| Inventions or discoveries. | Patentees. | Residence. | When issued. |
|----------------------------|--|-----------------------|--------------|
| Stove, cooking | Charles Vale | Newark, N. J. | 1836. |
| Stove for carriages | Alexander McWilliams | Washington, D. C. | April 13. |
| Stoves | Frazier, Blanchard, & Gill | New York, N. Y. | April 21. |
| Stove, cooking | Jonas Kendall, assignee of J. Perkins | | April 28. |
| Stove | F. Frickards | Ipswich, Mass. | April 28. |
| Stove | Nathaniel Russell | Easton, Pa. | April 28. |
| Steam-engine | A. S. Dawley | Waterville, Maine | May 14. |
| Stove, cooking | E. G. Currier | Boston, Mass. | May 23. |
| Stove, cooking | E. G. Currier | Warner, N. H. | June 2. |
| Stove for anthracite | E. G. Currier | Warner, N. H. | June 2. |
| Stove, cooking | Adrian Jones | Hartford, Ct. | June 2. |
| Stove, conical | Charles Higgins | Turner, Maine | June 2. |
| Stove, or air-warmer | Robert Robertson | Albany, N. Y. | June 16. |
| Stove, cooking | J. J. Hentzleman | Philadelphia, Pa. | June 16. |
| Stove, cooking | William A. Arnold | Northampton, Mass. | June 16. |
| Stove, cooking | Gould Thorp | New York, N. Y. | June 25. |
| Stove, cooking | Thomas Shaw | North Yarmouth, Maine | June 25. |
| Steam-engine, rotary | Shepherd Whitman | New Albany, Ia. | June 25. |
| Steam-boiler | William Avery | Syracuse, N. Y. | June 28. |
| Stoves, cooking | Sebastian H. Laciari | Muncungy, Pa. | June 28. |
| Stoves, cooking | P. F. Perry | Rockingham, Vt. | June 28. |
| Stoves | James Atwater | New Haven, Ct. | June 28. |
| Stove, parlor | Beriah Douglas | Albany, N. Y. | June 30. |
| Stove, cooking | Beriah Douglas | Albany, N. Y. | June 30. |
| Stove, cooking | Chester Granger | Pottsford, Vt. | July 2. |

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|----------------------|--------------------------|---------------------|---------|
| Steam-engine, rotary | F. Carpenter | Cazenovia, N. Y. | July 2. |
| Stoves, cooking | Asahel Lear | Wendall, N. H. | July 1. |
| Steam generator | J. Jennings | New York, N. Y. | July 1. |
| Stoves, cooking | E. Andrews and S. Austin | Bradford, N. H. | July 1. |
| Stoves, cooking | Elisha N. Pratt | Albany, N. Y. | July 1. |
| Stove, foot | Ezekiel Daboll | Canaan, Ct. | July 1. |
| Stoves, ventilating | Clement Woodward | Washington, D. C. | July 2. |
| Stove, cooking | P. C. Traver | West Troy, N. Y. | July 2. |
| Stove | Howell Parmalee | Watervliet, N. Y. | July 2. |
| Stove, cooking | Elisha Lyman | East Hampton, Mass. | July 2. |

MILLS.

| | | | |
|-------------------------|---------------------|--------------------------|--------------|
| Coffee mills | C. W. Peckham | New Haven, Ct. | April 13. |
| Gate floom | Harvey Frink | Chautauque county, N. Y. | February 25. |
| Grain, mill for cutting | William Gerrish | Portsmouth, N. H. | January 11. |
| Grain mill | Oliver Wyman | Watertown, Mass. | July 1. |
| Grist mill | W. and J. McCreight | Winnsborough, S. C. | February 5. |
| Metallic mill | Joseph C. Gentry | Dayton, Ohio | March 18. |
| Mill | John Harman, jr. | New York | March 30. |
| Mill-stones, cooling | Austin Taylor | Littleton, N. H. | March 31. |
| Mill-wheel | S. H. Freeman | Cecilton, Md. | May 17. |
| Mill-wheel dresser | John Turk | Columbus, Pa. | July 1. |
| Picks, mill-stone | Samuel Etheridge | Tecumseh, Mich. | March 2. |
| Power, horse | Samuel Newton | Dayton, Ohio | January 20. |
| Power, horse | Dudley Marvin | New York, N. Y. | February 5. |
| Power, horse | Joseph Musten | Franklin county, Vt. | February 12. |
| Power, horse | Richard Skinner | Williamson, N. Y. | March 31. |
| Power, horse | Amos Adams | Augusta, Me. | May 6. |

LIST OF PATENTS—MILLS—Continued.

| Inventions or discoveries. | Patentees. | Residence. | When issued. |
|----------------------------|---|-------------------------|--------------|
| | | | 1836. |
| Power, horse - - - - | Isaac Straub - - - - | Lewistown, Pa. - - - | May 14. |
| Power, horse - - - - | C. Coster and D. Penny- packer - - - - | Upper Providence, Pa. - | May 23. |
| Power, horse - - - - | Rufus Porter - - - - | Billerica, Mass. - - - | June 11. |
| Power, horse - - - - | Wm. Whitman - - - - | Haverhill, N. H. - - - | June 20. |
| Power, horse - - - - | John Abbott - - - - | South Reading, Mass. - | June 30. |
| Power, horse - - - - | Charles G. Gilbert - - - | Leeds, Me. - - - - | July 2. |
| Propeller, endless chain | Lewis Chevrier - - - - | Philadelphia, Pa. - - - | June 11. |
| Sawmill - - - - - | G. W. Black - - - - | Montgomery county, Ten. | February 3. |
| Sawmill, cross cutting | Rufus Riker - - - - | Dexter, Me. - - - - | February 20. |
| Sawmill dogs - - - - | Martin Rich - - - - | Ithaca, N. Y. - - - - | February 25. |
| Sawmill - - - - - | David Washington - - - | Peru, Mass. - - - - | February 25. |
| Sawmill dogs - - - - | Phineas Bennett - - - - | Ithaca, N. Y. - - - - | February 25. |
| Sawmill - - - - - | Isaac Read - - - - | Marshfield, Mass. - - - | March 2. |
| Sawmill - - - - - | Daniel Gerrish - - - - | Boston, Mass. - - - - | April 11. |
| Sawmill blocks - - - - | Erastus Rathburn - - - | Conneaut, Ohio - - - - | April 11. |
| Sawmill - - - - - | James Landers - - - - | Alleghany county, Md. - | April 28. |
| Sawmill - - - - - | W. J. McGhee - - - - | Columbus, Geo. - - - - | May 14. |
| Sawmill - - - - - | T. B. Naylor - - - - | Jonesville, N. C. - - - | June 2. |
| Sawmill - - - - - | Simon Willard - - - - | New York, N. Y. - - - - | June 30. |
| Sawmill - - - - - | Samuel Goudy - - - - | Greensburg, Ky. - - - - | July 2. |
| Water-wheels, twain - - | William L. Elgar - - - - | Winchester, N. H. - - - | February 10. |
| Water-wheel - - - - - | Frederick Wingate - - - | Augusta, Me. - - - - | March 4. |
| Water-wheel - - - - - | Abraham Straub - - - - | Milton, Pa. - - - - | March 12. |
| Water-wheel - - - - - | Carey S. Mercer - - - - | Franklin, Md. - - - - | March 30. |

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|------------------------|-------------------|---------------------|-----------|
| Water-wheels for mills | J. T. Towne | Mount Morris, N. Y. | April 11. |
| Water-wheel | William Hitchcock | Spencer, N. Y. | May 23. |
| Water-wheel | Henry Allen | Fayetteville, Tenn. | June 2. |
| Water-wheel | Orson Waldo | Newark, N. Y. | June 25. |
| Water-wheel | Charles Kenzie | Troy, N. Y. | July 1. |
| Water-wheel | Samuel Garrett | Loudonville, Ohio | July 2. |
| Water-wheel | William F. Brown | Augusta, Me. | July 2. |
| Wheel, propelling | Aretus A. Wilder | Warsaw, N. Y. | March 8. |
| Windmill | Job Wilbur | Fall river, Mass. | March 30. |

LEVER AND SCREW POWER.

| | | | |
|-----------------------------|---------------------------------|-------------------|--------------|
| Crane | Elias Marsh | Oswego, N. Y. | February 12. |
| Cotton, condensing | Arlon Man | Smithfield, R. I. | April 28. |
| Crane | Gilbert Sherwood | Erie, Pa. | June 30. |
| Packing tobacco | J. B. Allen | Richmond, Va. | January 15. |
| Packing | J. F. Barrett | Granville, N. Y. | January 23. |
| Power, printing press | Isaac Adams | Boston, Mass. | March 2. |
| Power, self-motive | J. J. Giraud | Baltimore, Md. | March 31. |
| Press, tobacco | A. M. McLean | Russellville, Ky. | February 5. |
| Printing press | Samuel Kingsley | New York, N. Y. | March 2. |
| Printing press | Hezekiah Camp | Trenton, Ohio | March 4. |
| Press, cotton | J. Mitchell | Rutherford, Tenn. | March 12. |
| Press, hay, &c. | A. R. Chamberlin and A. Cleffin | Richmond, Me. | March 30. |
| Press, hydrostatic | Thomas Baxter | Petersburg, Va. | April 13. |
| Press, lever | H. G. Guyon | New York, N. Y. | July 2. |
| Sawing, &c., by lever power | Jeremiah Walker | Philips, Me. | February 25. |

LIST OF PATENTS—ARMS.

752

| Inventions or discoveries. | Patentees. | Residence. | When issued. |
|------------------------------|----------------------------|-------------------------|--------------|
| | | | 1836. |
| Cannon for chain-shot - - - | Edwin Gordon - - - | Hingham, Mass. - - - | February 17. |
| Cannon vent - - - - - | J. W. Cochran - - - | Lowell, Mass. - - - | March 23. |
| Cannon - - - - - | J. W. Cochran - - - | Lowell, Mass. - - - | March 23. |
| Cannon traverse board - - - | William H. Bell - - - | Washington, D. C. - - - | May 14. |
| Cannon, malleable iron - - - | George W. Chapman - - - | New York, N. Y. - - - | June 16. |
| Fire-arms - - - - - | Samuel Colt - - - | Hartford, Ct. - - - | February 25. |
| Gun and pistol locks - - - | Johnson Marsh - - - | East Dorset, Vt. - - - | July 1. |
| Gun locks - - - - - | Samuel Morrison - - - | Milton, Pa. - - - | February 10. |
| Pistols - - - - - | B. and B. M. Darling - - - | Bellingham, Mass. - - - | April 13. |

SURGICAL INSTRUMENTS.

| | | | |
|------------------------------------|------------------------|---------------------------|--------------|
| Lancet, revolving - - - - - | T. C. Harrison - - - | New Egypt, N. J. - - - | June 20. |
| Syringe, injecting - - - - - | Joseph Ralph - - - | New York, N. Y. - - - | February 25. |
| Splint for fractures - - - - - | Enoch Thomas - - - | New Athens, Ohio - - - | March 8. |
| Setting bones, apparatus for - - - | James H. Willard - - - | Brown Elm, Ohio - - - | June 11. |
| Truss for hernia - - - - - | William Adair - - - | Pleasant Hill, Ky. - - - | February 17. |
| Truss - - - - - | F. H. Newman - - - | Huntsville, Ala. - - - | February 25. |
| Tooth extractor - - - - - | Moses R. Hanson - - - | Bangor, Me. - - - | March 12. |
| Truss - - - - - | John W. Newson - - - | New York, N. Y. - - - | June 20. |
| Thigh, fractured, apparatus - - - | Samuel Wolston - - - | Vincentown, N. J. - - - | July 2. |
| Truss for hernia - - - - - | Isaac Thompson - - - | Brattleborough, Vt. - - - | July 1. |

MATHEMATICAL AND PHILOSOPHICAL INSTRUMENTS.

| | | | |
|-------------------------------------|----------------------|-----------------------------|--------------|
| Compass, surveyors' - - - - | Nathan Bassett - - | Wilmington, Del. - - | June 28. |
| Distance measurings - - - - | Rufus Porter - - | Billerica, Mass. - - | June 11. |
| Glasses for spectacles - - - - | Isaac Schnaitman - - | N. L. Philadelphia, Pa. - - | February 20. |
| True meridian, finding, &c. - - - - | William A. Burt - - | Mount Vernon, Mich. - - | February 25. |

HOROLOGY.

| | | | |
|-----------------------|--------------------|-------------------------|--------------|
| Clock springs - - - - | James S. Ives - - | Bristol, Ct. - - | May 23. |
| Clocks - - - - | Joseph Ives - - | Bristol, Ct. - - | July 1. |
| Time-pieces - - - - | William Pardie - - | Poughkeepsie, N. Y. - - | February 20. |

CHEMICAL COMPOSITIONS.

| | | | |
|------------------------------------|------------------------------|-----------------------|-------------|
| Bark for tanning - - - - | Daniel Williams - - | Boston, Mass. - - | February 5. |
| Blood, equalizing the - - - - | S. R. Terrell - - | Burton, Miss. - - | February 5. |
| Cement, hydraulic - - - - | Levi Kidder - - | New York, N. Y. - - | January 15. |
| Cement, hydraulic - - - - | John White - - | Syracuse, N. Y. - - | January 23. |
| Caoutchouc, dissolving - - - - | Patrick Mackie - - | New York, N. Y. - - | March 23. |
| Cancer ointment - - - - | Elias Gilman - - | Licking, Ohio - - | March 31. |
| Extracts, making - - - - | T. Close and J. C. Sandford | Rye, N. Y. - - | March 18. |
| Gypsum applied to cisterns - - - - | J. Flint and Clark Mills - - | New York, N. Y. - - | March 4. |
| Lead, white, making - - - - | Horner Holland - - | Westfield, Mass. - - | March 18. |
| Lead, white, &c. - - - - | Edward Clark - - | Saugerties, N. Y. - - | June 20. |
| Milk. preserving - - - - | John L. Granger - - | New York, N. Y. - - | March 19. |

LIST OF PATENTS—CHEMICAL COMPOSITIONS—Continued.

| Inventions or discoveries. | Patentees. | Residence. | When issued. |
|---|------------------------------|---|--------------|
| | | | 1836. |
| Medicine, botanic - - - - | Samuel Thompson - - - - | Boston, Mass. - - - - | May 6. |
| Ores, sweeping and washing - - - - | William Davis - - - - | New York, N. Y. - - - - | April 28. |
| Fitch, composition - - - - | Thomas H. Sherman - - - - | Scriba, N. Y. - - - - | March 4. |
| Pot and pearl ash - - - - | Elijah Williams - - - - | Erie, Pa. - - - - | March 8. |
| Pitch, making - - - - | Henry Ruggles - - - - | New York, N. Y. - - - - | March 19. |
| Pearl ashes - - - - | J. and N. Paree - - - - | Lincklean, N. Y. - - - - | May 14. |
| Starch, rice - - - - | W. and T. Liversidge - - - - | Dorchester, Mass. - - - - | February 17. |
| Sores, curing - - - - | Reuben Rood - - - - | Centre Lisle, Brown county, N. Y. - - - - | February 20. |
| Tanning - - - - | Henry Lochier - - - - | Lancaster, Pa. - - - - | March 18. |
| Tanning - - - - | Laban Emery - - - - | New York, N. Y. - - - - | March 19. |
| Tanning - - - - | Simeon Heath - - - - | Pike, N. Y. - - - - | May 23. |
| Turpentine, spirits, extracting - - - - | J. Jennings - - - - | New York, N. Y. - - - - | July 1. |

FINE ARTS.

| | | | |
|---------------------|----------------------|-----------------------------|--------------|
| Piano forte - - - - | John Pethick - - - - | Mount Morris, N. Y. - - - - | February 12. |
| Piano forte - - - - | Isaac Clark - - - - | Cincinnati, Ohio - - - - | March 2. |
| Piano forte - - - - | H. Hartye - - - - | Baltimore, Md. - - - - | March 12. |

[Doc. No. 174.]

ALPHABETICAL LIST of patentees from the 1st January, 1836, to the reorganization of the Patent Office, 4th July, 1836, inclusive.

- | | |
|-----------------------------------|------------------------------------|
| Andrews, Solomon | Batchelor, S. C., and N. S. Thomas |
| Allen, J. B. | Boyden, Benjamin F. |
| Allen, Adna | Beane, Jonathan |
| Atkins, Ira | Boyd, George C. |
| Adair, William | Boston, R., and T. Bryant |
| Angerine, Caleb | Baxter, Thomas |
| Adams, Isaac | Barrett, Asa |
| Andrews, Hiram | Barclay, Hugh |
| Ashdows, William, and T. Davis | Blanchard, Frazier, & Gill |
| Arnold, Albion P. | Bacon, Jonathan |
| Ames, John | Beaumont, George |
| Adams, Nathaniel | Brown, Valentine |
| Adams, Amos | Brown, Valentine |
| Akins, William H. | Ball, M. B., J. Hinds, and S. Pike |
| Allen, Henry | Bennett, James |
| Athertone, John | Bell, William H. |
| Averill, Isaac W. | Burr, L. S., and A. Whitney |
| Allen, Henry | Beale, R., and M. Buckland |
| Arnold, William A. | Barnum, H. L. |
| Ames, Benjamin | Buzzell, J. D. |
| Anderson, William | Bucklin, J. B., and J. Jacobs |
| Avery, William | Blodget, S. C. |
| Adams, E. G. | Boyden, William P. |
| Abbott, John | Baldwin, C. B. |
| Atwater, James | Barnett, Ezra |
| Alger, Cyrus | Babcock, Samuel E. |
| Andrews, E., and S. Austin | Boynton, C. H., and A. Clark |
| Barker, Benjamin | Brooks, Adam |
| Belt, Charles R. | Brooks, Adam |
| Buckland, Charles | Barley, J., and J. Sprinkle |
| Brown, Eleazer | Beebe, Stephen |
| Barrett, J. F. | Brayton, William P. |
| Black, George W. | Barnum, D. B. |
| Briggs, E., and G. G. Carpenter | Bussel, Nathan |
| Barker, B. K. | Bond, Daniel H. |
| Blake, P. & E. W. | Banks, James |
| Beede, Thomas | Burhyte, T. J. |
| Barker, John | Brown, William |
| Bard, A., and S. Heywood | Buck, Reuben |
| Barton, Thomas C. | Brown, William F. |
| Beard, Ebenezer | Blanc, Jean |
| Burt, William A. | Chandler, J. P., and P. Ranger |
| Bennett, Phineas | Carpenter, Warren |
| Barton, G., jr., and O. H. Capron | Capron, O. H., and G. Barton, jr. |
| Ball, Phineas | Cochran, R. G. |
| Brainard, M. M. | Campbell, H. R. |
| Burgess, William | Casey, William |
| Beam, Michael | Coover, William |

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ALPHABETICAL LIST—Continued.

| | |
|-----------------------------------|------------------------------|
| Clark, Aaron | Calvert, William W. |
| Cooper, Peter | Dexter, George B. |
| Cooper, James | Dalkaner, John |
| Clark, Henry | Davis, Luther |
| Colt, Samuel | Duff, William, and T. Murphy |
| Carpenter, G. G., and E. Briggs | Davis, Sampson |
| Clark, Isaac | Davis, T., and W. Ashdown |
| Coleman, Spencer | Dunlap, Jefferson |
| Collins, R., and J. W. Post | Darling, B. B. & M. |
| Cannon, William P. | Davis, William |
| Camp, Hezekiah | Dawley, A. S. |
| Carr, Job | Day, Moses |
| Conant, Abel | Davidson, Amory |
| Close, T., and J. C. Sandford | Durell, Henry |
| Cralle, Richard K. | Dunham, Isaac |
| Carmichael, William M. | Drummond, John |
| Clark, Samuel | Douglas, Beriah |
| Cochran, John W. | Douglas, Beriah |
| Cochran, John W. | Daboll, Ezekiel |
| Conradt & Sykes | Dennison, Rufus |
| Chamberlin, A. R., and A. Cleffin | Egbert, Benjamin |
| Chapin, Nathan | Elgar, William L. |
| Curtis, James F. | Evered, Joseph |
| Coneklin, J. C. | Eddy, Willard T. |
| Cochran, John | Elwell, W., and C. Hendricks |
| Crim, Peter | Etheridge, Samuel |
| Coster, C., and D. Pennypacker | Emery, Laban |
| Currier, E. G. | Edgar, H. & J. W. |
| Currier, E. G. | Eastman, B., and M. F. Moody |
| Cram, Smith | Engle, Robert |
| Gram, Smith | Eastman, J. S. |
| Chevrier, Lewis | Edgar, J. W. |
| Chapman, G. W. | Fanning, William |
| Channell, J. C. | Fitzpatrick, Edward |
| Curtis, Lorrain | Flanders, D., and E. Rathbun |
| Cole, Lewis | Forbes, Charles |
| Couillard, S. S., assignees | Frink, Harvey |
| Clark, Edward | French, Maynard |
| Clark, A., and C. H. Boynton | Flint, J., and C. Mills |
| Cleveland, Porter | Fowler, William |
| Coston, Benton P. | Fletcher, John C. |
| Cook, Tobias | Farlee, John |
| Carpenter, Frank | Frazier, Blanchard, & Gill |
| Coppuck, James | Force, Clark |
| Carriel, George | Fowler, William M. |
| Callihan, O. W. S. | Fitzgerald, R. |
| Cochran, James | Frickard, F. |
| Campbell, William | Freeman, S. H. |
| Clowes, Isaac | Ferguson, J. C. |

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ALPHABETICAL LIST—Continued.

- | | |
|------------------------------|------------------------------------|
| Freytag, Michael | Howe, Henry |
| Fowler, De Grasse | Holland, Homer |
| Gould, Aaron | Hyde, James |
| Gerrish, William | Harman, John, jr. |
| Garnett, James M. | Hungerford, Newell |
| Gerrish, William | Hill, Jonathan |
| Giraud, John J. | Hant, Samuel |
| Gordon, Edwin | Horne, David |
| Geer, John S. | Holloway, Gooding |
| Garrand, Brittain | Hawk, N. P., and J. Keyes |
| Gentry, Joseph C. | Hill, H., and J. McLaughlin |
| Granger, John L. | Hall, James |
| Gray, Albert G. | Hinds, J. M., B. Ball, and S. Pike |
| Giraund, J. J. | Heath, Simeon |
| Gilman, Elias | Hitchcock, William |
| Gerrish, Daniel | Hotchkiss, Gideon |
| Gill, Frazier, & Blanchard | Higgins, Charles |
| Goldsborough, Nicholas | Hentzleman, John J. |
| Goodyear, John, jr. | Hawkins, John |
| Grant, James A. | Hull, Alonzo G. |
| Gibbs, Joshua | Harrison, T. C. |
| Groening, Frederick | Houston, J., A. Hinman, and J. In- |
| Gay, Ira | graham |
| Granger, Chester | Hascall, J., and H. Moore |
| Greenleaf, William C. | Hedge, Lemuel |
| Greenleaf, William C. | Hopper, J., and A. Douty |
| Garret, Samuel | Hess, David |
| Goudy, Samuel | Haynes, Richard |
| Gerrish, D. | Horton, John |
| Guyon, H. G. | Jones, William R. |
| Gilbert, Charles G. | Judd, Sturges M. |
| Goodrum, Thomas | Jemeson, William W. |
| Hunt, Walter | Jones, John T. |
| Hubbard, Joab H. | Jenkins, Elias |
| Hale, Ebenezer | Johnson, George |
| Hopkinson, John | Ives, Joseph S. |
| Hatcher, John W. | Jones, Adrian |
| Hedge, Isaac W. | Jacobs, J., and J. B. Bucklin |
| Hubbard, J. M. | Jackson, Samuel |
| Hall, Daniel K. | Johnson, Herkimer |
| Howard, Joshua C. | Ingraham, J., A. Hinman, and J. |
| Henkel, Ambrose | Houston |
| Hendricks, C., and W. Elwell | Jennings, Isaiah |
| Heywood, S., and A. Bard | Ives, R. A. |
| Harrington, Daniel | Ives, Joseph |
| Harrison, Alexander | Jennings, Isaiah |
| Hanson, Amos | Jenkins, William |
| Hartye, Henry | Kidder, Levi |
| Hanson, Moses R. | Kidder, Levi |

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ALPHABETICAL LIST—Continued.

- Keplinger, Samuel
 Keane, William
 Kingsley, Samuel
 Kepner, Samuel
 Keith, Edwin
 Kelsey, Melville
 King, Sumner
 Keyes, J., and N. P. Hawk
 Kendall, Jonas
 Knight, Isaac
 Kinsley, Rhodolphus
 Knight, Isaac
 Kugler, Benjamin
 Kettel, J. P., and J. Wright
 Kniseley, Christian
 Kneeland, C. F., and E. Tarbox
 Kraft, Benjamin
 Knapp, Lewis
 Keller, Charles M.
 Kenzie, Charles
 Kerr, A. R., and H. Hoover
 Knowlton, F. P.
 Korn, Henry
 Long, Stephen K.
 Liversidge, W. & T.
 Ladd, Samuel
 Lewis, Lovell
 Lockling, Nathan
 Lesner, William W.
 Liddle, John
 Lochier, Henry
 Lewis, Francis C.
 Lyon, L., 2d.
 Lauders, James
 Lockling, Nathan
 Ladd, Samuel
 Ladd, C. P.
 Larcum, Amos
 Lewis, Robert B.
 Lapham, Benjamin
 Laciari, S. H.
 Loomis, William
 Lear, Asabel
 Lyman, Elihu
 Littell, J. H.
 Manning, James
 Marsh, Stephen
 Mellish, Henry
 Maguire, Jonas
 McBride, Andrew R.
 McLean, A. M.
 Marvin, Dudley
 McCreight, W. & J.
 McCreight, W. & J.
 Mans, Lewis H.
 Mans, Lewis H.
 Morrison, Samuel
 McCausland, A., jr.
 Marsh, Elias
 Mustin, Joseph
 McDonough, Abram
 Milo, Francis
 Mudge, Abraham
 Matthews, Matthew
 Murphy, T., and W. Duff
 Mills, C., and J. Flint
 Means, J., and D. Prouty
 Moffat, John
 Morse, Andrew
 Mitchell, J. C.
 Montgomery, Adam
 McClory, James
 Mackie, Patrick
 Mercer, Carey S.
 McCaine, A. M.
 Merriman, S. G.
 Moody, M. F., and B. Eastman
 Merriman, Charles
 Merriman, Charles
 McWilliams, Alexander
 McLaughlin, Ira
 Man, Arlon
 McLaughlin, J., and H. Hill
 McGhee, William J.
 Morgan, John
 Masser, J., and S. Smith
 Mott, Jordan L.
 Matthews, James
 Merriman, Marcus, jr.
 McCormick, William
 Martz, P. M.
 Morse, John
 Mellish, Henry
 Moore, H., and J. Hascall
 Mix, William
 Mendall, J. C., and R. B. Ricketts
 Mixwell, Abram T.
 Miller, Timothy

[Doc. No. 174.]

ALPHABETICAL LIST—Continued.

- | | |
|------------------------------------|------------------------------------|
| McGregory, Cyrus | Peck, James M. |
| Marshall, M. M. | Pennypacker, D., and C. Coster |
| Marsh, Johnson | Plank, Jacob |
| McClory, James | Porter, Rufus |
| McCreight, James | Pierce, Hubbard L. |
| Noble, James W. | Pickering, L., and J. Lightner |
| Newton, Samuel | Perry, P. F. |
| Noble, Philip | Pratt, E. N. |
| Niell, Thomas | Pitts, J. A. |
| Neal, Henry G. | Parmalee, Howell |
| Newman, Francis H. | Parker, Obadiah |
| Nevins, William R. | Parsons, A. |
| Newton, Levi | Pratt, Jonas |
| Nott, Eliphalet | Quimby, P. A. |
| Nicholson, Thomas | Ripley, Ezra |
| Naylor, T. B. | Richardson, Samuel |
| Newson, J. W. | Roberts, Hezekiah |
| Newton, William | Ring, Zebedee |
| Orr, Isaac | Rodgers, James H. |
| Olmstead, L. B. | Riker, Rufus |
| Peavy, Joseph | Rood, Reuben |
| Pray, John G. | Ralph, Joseph |
| Pollard, Samuel | Rich, Martin |
| Pope, Josiah | Ranger, P., and J. P. Chandler |
| Peckham, Charles W. | Rathburn, C., and D. Flanders |
| Pethick, John | Read, D., and C. D. Skinner |
| Philbrick, John | Reed, Isaac |
| Poague, J. B. and W. F. | Richardson, Charles |
| Pardie, William | Ruggles, Henry |
| Pell, John B. | Rogers, John F. |
| Post, J. W., and R. Collier | Root, Elisha K. |
| Prutzman, Augustus | Read, Nathan |
| Prouty, D., and J. Means | Rathburn, Erastus |
| Pursell, John | Reading, Pearson |
| Page, George | Ryan, William B. |
| Prescott, William R. | Robbins, Austin H. |
| Pitts, H. W. | Russell, Nathaniel |
| Pearson, B. H. | Root, Erastus S. |
| Peeler, David | Rouse, James |
| Park, Charles | Reynolds, George |
| Peckham, C. W. | Rollins, Jacob S. |
| Page, George | Robertson, Robert |
| Page, George | Robbins, Hildreth |
| Pinneo, Joseph, jr. | Robeson, R., and G. Warner |
| Putnam, J. and C. | Richards, Edmund |
| Pike, S. M., B. Ball, and J. Hinds | Ricketts, R. B., and J. C. Mendall |
| Peevy, Joseph | Reading, Pearson |
| Prince, L. R. | Roff, Almon |
| Parce, J. and N. | Rathburn, E., and W. Tinker |

[Doc. No. 174.]

ALPHABETICAL LIST—Continued.

- | | |
|-------------------------------|------------------------------------|
| Stowell, Josiah | Thomas, N. S., and S. C. Batchelor |
| Skinner, C. D., and D. Read | Taylor, Austin |
| Smith, John K. | Tiers, Arundius |
| Smith, Ira | Towne, John T. |
| Schnaitman, Isaac | Trask, Samuel |
| Stevens, Foster | Todd, B. and A. |
| Shackford, D. D. and T. | Thompson, Samuel |
| Sherman, Thomas H. | Turner, Joseph |
| Stevens, Peletiah | Terry, Stephen |
| Spafford, M. B. | Treadwell, F. C. |
| Straub, Abraham | Town, John T. |
| Skinner, Elijah | Tichenor, J., and S. Goodrich |
| Share, Philip T. | Tarbox, E., and C. F. Kneeland |
| Sandford, J. C., and T. Close | Tyler, Samuel |
| Sheaffer, Christian | Thorp, Gould |
| Shaw, Erastus M. | Taylor, Jeremy |
| Sykes and Conrard | Turk, John |
| Swanzey, J. H. B. | Thomas, R. S. |
| Smith, David M. | Thompson, Isaac |
| Shugart, John | Tilford, J. M. |
| Shultz, William | Traver, P. C. |
| Skinner, Richard | Underwood, Stephen |
| Sanborn, Benning | Ulam, David |
| Strong, Ebenezer M. | Vale, Charles |
| Smith, Benjamin | Van Tiers, Samuel |
| Souder, Henry | Van Allen, C. D. |
| Smith, Elihu | Vale, Charles |
| Straub, Isaac | Vaughan, Jerah |
| Schoolfield, Nathan | Variel, Davis |
| Smith, S., and J. Masser | Whiteman, John |
| Sprinkle, J., and J. Barley | Withered, Samuel |
| Sutton, J. and J. | White, John |
| Swartz, Peter, jr. | Williams, Daniel |
| Shaw, Thomas | Wright, Isaac S. |
| Sherwood, Gilbert | Webb, James W. |
| Snider, Isaac | Williams, Daniel |
| Stoddard, James G. | Whittier, Lyman |
| Sweetzer, Washington | Wright, John |
| Sailsbury, A., and J. Uram | Wilson, David |
| Smith, Elihu | Walker, Jeremiah |
| Spear, E. P. | Washington, David |
| Terrell, S. R. | Wingate, Frederick |
| Tuells, Melzer | Wilder, Aretus A. |
| Thomas, John E. | Wenn, Peter |
| Town, Abner | Whittaker, Welcome |
| Titus, B. and A. | Warner, Hanson |
| Thomas, Enoch | Wilbur, Elam |
| Thompson, Reuben H. | Withers, Henry |
| Turney, Andrew | Wilson, Orin |

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ALPHABETICAL LIST—Continued.

| | |
|------------------------------|---------------------|
| Watson, E. Y. | Waite, G. W. |
| Withered, Job | Waite, G. W. |
| Wells, L. L. | Waldo, Orson |
| Whitley, Thomas W. | Whitman, Sheppard |
| Wolfolk, James M. | Wood, Andrew |
| Walker, J. F. | Willard, Simon |
| Webb, A. V. A. H. | Weeks, John M. |
| Wilkinson, David | Woolston, Samuel |
| Webb, Joshua | Walker, Sater T. |
| Woodbridge, William | Walker, Sater T. |
| Whitney, A., and L. S. Burr | Williams, J. S. |
| Wilkinson, J. A. | Walker, W. B. |
| Whitfield, Edward | Walley, Williams |
| Whipple, Cullen | Wyman, Oliver |
| Willard, James H. | White, J. G. |
| Wright, J., and J. P. Kettle | Winter, Gabriel |
| Wharff, Amasa | Waterman, Calvin |
| Whitman, William | Woodward, Clement |
| Warner, G., and R. Robeson | Winslow, Nathan |
| Wood, Jesse C. | White, Prentiss |
| Waite, G. W. | Zwisler, James, jr. |

I hereby certify that the foregoing is a correct list of all patents granted from January 1st to July 4th, 1836.

HENRY L. ELLSWORTH,
Commissioner of Patents.

PATENT OFFICE, *January, 1837.*

CLASSIFIED LIST of letters patent granted from the 4th day of July, 1836, to the 1st day of December, 1836, with the names of patentees, residence, and date of patent.

AGRICULTURE.

| Inventions or discoveries. | Patentees. | Residence. | When issued. |
|--|---------------------|---------------------------|--------------|
| | | | 1836. |
| Cotton planter - - - - | Henry Blair - - - | Glencoss, Md. - - - | August 31. |
| Corn sheller - - - - | I. C. Baldwin - - - | Staunton Va. - - - | October 11. |
| Cultivator, or hoe-harrow - - - | N. J. Shull - - - | Bensalem, Pa. - - - | November 26. |
| Plough, combined, (issued November 12, 1830. Reissued) - - - - | Samuel Cline - - - | Berks county, Pa. - - - | October 15. |
| Plough - - - - | B. Woodcock - - - | Mount Pleasant, Pa. - - - | November 23. |
| Scythe - - - - | S. Lamson - - - | Cummington, Mass. - - - | October 29. |

FACTORY MACHINERY.

| | | | |
|---|--------------------|-------------------|------------|
| Blocks, ship's, finishing wooden sheaves for - | Thomas Blanchard - | New York, N. Y. - | August 1. |
| Blocks, ship's, rounding edges and ends of - | Thomas Blanchard - | New York, N. Y. - | August 10. |
| Blocks, ship's, mortising and boring solid wooden shells of - - - - | Thomas Blanchard - | New York, N. Y. - | August 10. |
| Blocks, ship's, forming end-pieces of plank for - | Thomas Blanchard - | New York, N. Y. - | August 10. |
| Blocks and dead-eyes for ships, cutting scores around - - - - | Thomas Blanchard - | New York, N. Y. - | August 10. |
| Blocks, ship's, riveting plank, ship tackle - | Thomas Blanchard - | New York, N. Y. - | August 10. |
| Blocks, ship's, cutting sheaves and pins, and boring sheaves of - - - - | Thomas Blanchard - | New York, N. Y. - | August 31. |

| | | | |
|--|----------------------------|-------------------------|---------------|
| Blocks, ship's, tackle, countersinking to receive bushes in - - - - | Thomas Blanchard | New York, N. Y. | August 31. |
| Blocks, ship's, forming or shaping the cheeks of plank of made ships - - - - | Thomas Blanchard | New York, N. Y. | August 31. |
| Bits, spiral, for cutting screws - - - - | George Page | New Hampshire | November 17. |
| Cotton, double speeder for roving of, (reissued) - | Aza Arnold | North Providence, R. I. | August 10. |
| Cylinders, construction of, for drying paper - | H. P. Howe | Shirley, Mass. | September 20. |
| Dead-eyes for cutting and boring holes in land-yard scores - - - - | Thomas Blanchard | New York, N. Y. | August 10. |
| Flax, hemp, and Manilla grass, combing and separating fibres of - - - - | S. Couillard, jr. | Boston, Mass. | October 19. |
| Looms, power, graduating take-up motion of - | H. Hendrick | Killingly, Ct. | September 22. |
| Loom, power, take-up motion - - - - | John P. Comins | Killingly, Ct. | October 20. |
| Loom for weaving cloth for stocks - - - - | Conrad Kile | Philadelphia, Pa. | October 11. |
| Screws and rivets, wooden, manufacture of - | J. H. Pierson | Ramapo, N. Y. | November 26. |
| Screws, wood or other, cutting threads of - | H. Cram | Clarkstown, N. Y. | November 14. |
| Screws, wood, nicking, or cutting notches in heads | J. H. Pierson | Ramapo, N. Y. | November 26. |
| Wool, or other fibrous material, manufacture of, (reissued) - - - - | John Gonlding | Boston, Mass. | July 29. |
| Wool, hair, or other material, forming web without spinning or weaving - - - - | J. Arnold and G. G. Bishop | Norwalk, Ct. | October 20. |
| Wool, picking and breaking of, and ginned or seedless cotton - - - - | John Shly | Augusta, Ga. | October 27. |

LAND WORKS.

| | | | |
|----------------------------------|-------------|-----------------|-------------|
| Rail-roads, turnouts for - - - - | John Talbot | Portsmouth, Va. | October 11. |
|----------------------------------|-------------|-----------------|-------------|

LIST OF PATENTS—COMMON TRADES.

| Inventions or discoveries. | Patentees. | Residence. | When issued. |
|--|--|---|---------------|
| | | | 1836. |
| Boots, clamps for crimping of - - - | E. G. Pomeroy - - - | Newark, Ohio - - - | October 4. |
| Boots, machine for turning legs of - - - | Thomas N. Saddler - - - | Spencer, Mass. - - - | November 8. |
| Dye wood and stuffs, machine for cutting and shaving - - - - - | B. Swift - - - - - | Washington, N. Y. - - - | August 10. |
| Door plates - - - - - | J. S. Richardson - - - | Boston, Mass. - - - | October 15. |
| Granite, hammering and dressing of - - - | William Morse - - - | Corrina, Maine - - - | September 5. |
| Harness, pad, elastic water-proof - - - | A. Deitz - - - - - | Albany, N. Y. - - - | October 14. |
| Hats, elastic ventilating - - - - - | D. Greenleaf - - - - - | Vicksburg, Miss. - - - | November 26. |
| Knobs, ferule, for doors and furniture - - - | E. Robinson, F. Draper and J. H. Lord - - - | Cambridge, Mass. Boston, Mass. - - - | October 20. |
| Lamps, hanging of - - - - - | Alonzo Platt - - - - - | Middletown, Ct. - - - | October 8. |
| Lathe - - - - - | Enos and Nelson Avord - - - | Westfield, Mass. - - - | October 12. |
| Mortising machine - - - - - | David Clark - - - - - | Brooklyn, Ct. - - - | September 14. |
| Planing machine - - - - - | William Woodworth - - - | New York, N. Y. - - - | November 15. |
| Rope-yarn, putting up of - - - - - | James H. Echols - - - | Lynchburg, Va. - - - | October 20. |
| Rags, dusting of - - - - - | E. Burt and Geo. Carriel - - - | Manchester, Ct. - - - | November 28. |
| Saddles, springs for - - - - - | William Duchman - - - | Morgantown, Pa. - - - | August 31. |
| Shingles, sawing of - - - - - | Jonathan Hobbs, jr. - - - | Falmouth, Maine - - - | September 14. |
| Saddle, side - - - - - | E. Bridewell - - - - - | Bardstown, Ky. - - - | November 20. |
| Spoons, silver, manufacture of - - - - - | J. Brockway - - - - - | Troy, N. Y. - - - | September 20. |
| Saws, filing teeth of - - - - - | Elijah Stoker - - - - - | Sent to Georgetown - - - | November 8. |
| Springs for sofas, chairs, &c., (improvement— added to patent of November 23, 1835) - - - | Ed. Cherrington - - - | Boston, Mass. - - - | November 23. |
| Veneers, laying on ogee and other mouldings - - - | John Soule - - - - - | New Bedford, Mass. - - - | August 31. |
| Veneers, cutting of - - - - - | James Hamilton - - - | New York, N. Y. - - - | November 10. |

| | | | |
|---|------------------|--------------------|-------------|
| Weavers' reeds, machine for polishing iron and brass wire for | A. Wilkinson | Providence, R. I. | August 31. |
| Windows and shutters, mode of fastening | Neal Hall | Cumberland, Maine | October 11. |
| | and Jotham Chase | York county, Maine | |
| Weavers' harness | John Blackmar | Brooklyn, Ct. | October 20. |
| Weavers' harness, (August, 1834. Reissued) | John Blackmar | Brooklyn, Ct. | October 20. |

WHEEL CARRIAGES.

| | | | |
|--|----------------|------------------|---------------|
| Locomotive steam-engines for inclined planes | John Ruggles | Thomaston, Maine | July 13. |
| Locomotive steam-engine | Francis Barker | Baltimore, Md. | September. |
| Wagons, coaches, and breaks for | Henry West | Quincy, Mass. | September 29. |

HYDRAULICS.

| | | | |
|--------------------|-----------------|--------------------|--------------|
| Pump, frictionless | Charles V. Card | New Bedford, Mass. | November 26. |
|--------------------|-----------------|--------------------|--------------|

CALORIFIC AND STEAM APPARATUS.

| | | | |
|--|--------------------|-------------------|--------------|
| Drying sawdust for steam sawmills | William Avery | Syracuse, N. Y. | October 11. |
| Furnace for warming buildings | Fred. A. Fickhardt | Easton, Pa. | September 8. |
| Generating power and motion by alternate expansion and contraction of metals | Hazard Knowles | Hartford, Ct. | September 8. |
| | James Williamson | Washington, D. C. | November 8. |

LIST OF PATENTS—CALORIFIC AND STEAM APPARATUS—Continued.

| Inventions or discoveries. | Patentees. | Residence. | When issued. |
|---|------------------------------|----------------------------|---------------|
| | | | 1836. |
| Gridiron and spider - - - - | A. and George Sizer - - - - | Meriden, Ct. - - - - | November 14. |
| Lamps - - - - - | Isaiah Jennings - - - - | New York, N. Y. - - - - | September 22. |
| Lamps, (October 16, 1830. Reissued) - - - - | Isaiah Jennings - - - - | New York, N. Y. - - - - | September 22. |
| Matches, friction - - - - - | Alonzo D. Phillips - - - - | Springfield, Mass. - - - - | October 24. |
| Stove, Franklin - - - - - | John Harriman - - - - | Haverhill, Mass. - - - - | September 29. |
| Steam boiler - - - - - | J. W. and E. Strange - - - - | Taunton, Mass. - - - - | September 29. |
| Stove, cooking, (December 16, 1833. Reissued) - - - - | Elisha Town - - - - | Montpelier - - - - | September 28. |
| Steam boiler, purifying water for - - - - | Moody Park - - - - | Madison, Ia. - - - - | October 4. |
| Steam, generating of - - - - - | M. W. Baldwin - - - - | Philadelphia, Pa. - - - - | October 15. |
| Stove, cooking - - - - - | John Whiting - - - - | Boston, Mass. - - - - | October 20. |
| Stove, revolving cooking, (Dec - - - - , 1832. Reissued, December 2, 1835, and November 16, 1836. Reissued) - - - - | Henry Stanley - - - - | Poultney, Vt. - - - - | November 28. |
| Stove, parlor and cooking - - - - - | Nicholas Smith - - - - | New Hampton, N. H. - - - - | October 27. |
| Stove, cooking - - - - - | S. B. Spalding - - - - | Brandon, Vt. - - - - | November 17. |
| Steam, safety, engine - - - - - | Ed. D. Tippet - - - - | Washington, D. C. - - - - | November 23. |
| Steam-engine, reacting rotary - - - - - | John Ingraham - - - - | Apulia, N. Y. - - - - | November 28. |
| Stoves and fire-places - - - - - | J. L. Mott - - - - | New York, N. Y. - - - - | October 11. |
| Valves, safety, for steam boilers - - - - - | Samuel Raub, jr. - - - - | Wilkesbarre, Pa. - - - - | November 8. |
| Ventilating and supplying houses with hot or cold air - - - - - | R. Mayo and R. Mills - - - - | Washington, D. C. - - - - | October 24. |

MILLS.

| | | | |
|---|----------------------|----------------------|---------------|
| Motion, reciprocating rectilineals converted into continuous circular - - - - | Benjamin Babbett - | Bangor, Maine - | October 11. |
| Mills, saw, endless side chain carriages for - | James Murray - | Baltimore, Md. - | October 11. |
| Mill, saw, crank - - - - | Benjamin F. Snyder - | Elmira, N. Y. - | September 29. |
| Power, horse, endless chain inclined plane - | O. Badger - | Cooperstown, N. Y. - | October 15. |
| Power, horse - - - - | Daniel Fitzgerald - | New York, N. Y. - | October 19. |

LEVER AND SCREW POWER.

| | | | |
|--|-------------------------|-------------------|------------|
| Press, double hydrostatic oil, (August 19, 1832. Reissued) - - - - | O. Badger and O. Lull - | Otsego, N. Y. - | October 5. |
| Press, hand. printing - - - - | Frederick J. Austin - | New York, N. Y. - | October 8. |

SURGICAL INSTRUMENTS.

| | | | |
|------------------------------------|-----------------|---------------------|-------------|
| Razors, case and sharpener - - - - | E. M. Pomeroy - | Wallingsford, Ct. - | October 19. |
|------------------------------------|-----------------|---------------------|-------------|

MATHEMATICAL AND PHILOSOPHICAL INSTRUMENTS.

| | | | |
|--|------------------------|---------------------|---------------|
| Maps, charts, &c., apparatus for exhibition of - | Nathaniel K. Lombard - | Boston, Mass. - | October 27. |
| Pencil, ever pointed, and pen case - - - - | Jacob J. Lownds - | Philadelphia, Pa. - | September 22. |

LIST OF PATENTS—CHEMICAL COMPOSITIONS.

| Inventions or discoveries. | Patentees. | Residence. | When issued. |
|--|-------------------|--------------------|---------------------|
| Caoutchouc, application to cloths, &c. - - | E. M. Chaffee - - | Roxbury, Mass. - - | 1836. August 31. |

FINE ARTS.

| | | | |
|----------------------------|----------------|-------------------|---------------|
| Paints, composition of - - | H. Hibbard - - | Darien, N. Y. - - | September 20. |
|----------------------------|----------------|-------------------|---------------|

[Doc. No. 174.]

ALPHABETICAL. LIST of patentees from the 4th July, 1836, to the reorganization of the Patent Office, 1st December, 1836, inclusive.

| | |
|---|---|
| Arnold, Aza | Harriman, John |
| Arnold, J., and G. G. Bishop | Hamilton, James |
| Alvord, Enos and Nelson | Hibbard, Hiram |
| Avery, William | Jennings, Isaiah |
| Austin, Frederick J. | Jennings, Isaiah |
| Blair, Henry | Ingham, John |
| Baldwin, J. C. | Kile, Conrad |
| Baldwin, M. W. | Knowles, Hazard |
| Blanchard, Thomas | Lamson, Samuel |
| Blanchard, Thomas | Lord, J. H., E. Robinson, and Fran- cis Draper |
| Blanchard, Thomas | Lombard, Nathaniel K. |
| Blanchard, Thomas | Lownds, Jacob J. |
| Blanchard, Thomas | Lull, O., and O. Badger |
| Blanchard, Thomas | Morse, William |
| Blanchard, Thomas | Mott, Jordan L. |
| Blanchard, Thomas | Mayo, R., and Mills, R. |
| Blanchard, Thomas | Mills, R., and Mayo, R. |
| Bridewell, Elijah | Murray, James |
| Brockway, Josephus | Page, George |
| Blackmar, John | Pierson, Jeremiah H. |
| Blackmar, John | Pierson, Jeremiah H. |
| Barker, Francis | Platt, Alonzo |
| Badger, O., and O. Lull | Pomeroy, E. M. |
| Badger, Orestes | Phillips, Alonzo D. |
| Babbett, Benjamin | Park, Moody |
| Cline, Samuel | Richardson, Ithiel S. |
| Couillard, Samuel, jr. | Ruggles, John |
| Comins, J. P. | Raub, Samuel, jr. |
| Cram, Henry | Shull, Noah J. |
| Clark, David | Shly, John |
| Carriel, George, and E. Burt | Sadler, Thomas N. |
| Cherrington, Edward | Swift, Beriah |
| Chase, Jotham, and Neal Hall | Stoker, Elijah |
| Chaffee, E. M. | Soule, John |
| Deitz, Andrew | Sizer, A. and George |
| Duchman, William | Strange, J. W. and E. |
| Draper, Francis, E. Robinson, and J. H. Lord | Stanley, Henry |
| Echols, James H. | Stanley, Henry |
| Fickhardt, Frederick A. | Smith, Nicholas |
| Fitzgerald, Daniel | Spalding, Samuel B. |
| Goulding, John | Snyder, Benjamin F. |
| Greenleaf, Daniel | Talbot, John |
| Howe, H. P. | Town, Elisha |
| Hendrick, Horace | Tippett, Edward D. |
| Hobbs, Jonathan, jr. | Woodcock, Bancroft |
| Hall, Neal, and Jotham Chase | West, Henry |
| | Whiting, John |

ALPHABETICAL LIST—Continued.

| | |
|---|-------------------|
| Williamson, James Woodworth, William | Wilkinson, Arnold |
|---|-------------------|

I hereby certify that the foregoing is a correct list of all the patents granted from the 4th day of July, 1836, to the 1st day of December, 1836.

HENRY L. ELLSWORTH,
Commissioner of Patents.

PATENT OFFICE, *January, 1837.*

21th CONGRESS,
2d Session.

[Doc. No. 175.]

HO. OF REPS
State Dept.

PATENTS FOR INVENTIONS—EXPIRED IN 1836.

LETTER

FROM

THE SECRETARY OF STATE,

TRANSMITTING

A list of all patents for useful inventions which have expired within the year 1836.

FEBRUARY 25, 1837.
Read, and laid upon the table.

DEPARTMENT OF STATE,
Washington, February 23, 1837.

SIR: I have the honor to report a list of all the patents for discoveries, inventions, and improvements, which have expired within the year 1836, with the names of the patentees alphabetically arranged. The act of July 3d, 1832, which makes it the duty of the Secretary of State to transmit such report, annually, to Congress, appears to have been repealed by the act of the last session, entitled "An act to promote the progress of useful arts, and to repeal all acts and parts of acts heretofore made for that purpose;" but, as the document is believed to be one of great utility and interest to the public, and as the repeal of the provision for its transmission which was contained in an act that embraced other regulations on the subject of patents may have been inadvertently made, it has been thought best, for the present year, to comply, as far as practicable, with the injunctions of the law of 1832, both in regard to the transmission of the report to Congress, and its publication in the newspapers. This course, however, will not be pursued in future years, without the further direction of Congress.

The omission to make the report within the month of January, as specified in the act, was owing to the destruction of the papers and records of the Patent Office by the fire which occurred in December last.

I have the honor to be, sir,

Your obedient servant,

JOHN FORSYTH.

To the honorable the SPEAKER
of the House of Representatives.

Blair & Rives, printers.

A LIST of all the patents for discoveries, inventions, and improvements, which have expired within the year 1836.

| Names of patentees. | Residence. | Inventions, discoveries, or improvements. | Date of patent. |
|-------------------------------|--------------------------|---|-----------------|
| | | | 1822. |
| Ames, John | Springfield, Mass. | Paper making | May 14. |
| Allen, William H., U. S. N. | Dead | Rigging to mast heads | April 25. |
| Andrews, Robert | Fleming county, Ky. | Kiln for drying grain | November 7. |
| Bottom, John | Warren, N. Y. | Clover seed machine | January 28. |
| Burden, Henry | Albany, N. Y. | Flax and hemp machine | June 15. |
| Bailey, Jeremiah | Chester county, Pa. | Grass and grain machine for mowing | February 13. |
| Blake, Thatcher | Paris, Maine | Hulling grass seed | July 12. |
| Beadle, Henry | Wallingford, Ct. | Winnowing machine | March 30. |
| Baker, Luke | Putney, Vt. | Axe, pick | January 15. |
| Brooks, Samtel | New York, N. Y. | Hair, separating from skins | April 4. |
| Barnett, Thomas | Philadelphia, Pa. | Tar, pressing out of yarn for cordage | May 20. |
| Butters, Joshua | Boston, Mass. | Leather, splitting | May 31. |
| Bent, William | Philadelphia, Pa. | Skins, splitting | June 17. |
| Ball, Daniel | Ballstown, N. Y. | Gridirons | August 29. |
| Brown, Beriah | Exeter, R. I. | Picker, wool | September 2. |
| Bolles, Lemuel | New York, N. Y. | Nails, manufacturing | September 19. |
| Beach, Joseph | Middletown, Ct. | Saw-setting machine | October 28. |
| Ball, William | New York, N. Y. | Blubber knife | April 25. |
| Baldwin, Enos | Do. | Truss, cast iron | July 31. |
| Bender, George | Do. | Locks for canals | August 26. |
| Blair, Sherman | New Haven, Ct. | Sofa, elastic spring | February 2. |
| Brewer, Henry | New York, N. Y. | Drawers for wearing | February 28. |
| Brower, William | Rensselaer county, N. Y. | Socks for over-shoes | March 6. |
| Brown, John B., and J. Farmer | Boston, Mass. | Horse shoes | March 11. |

| | | | |
|-------------------------|------------------------|---|---------------|
| Butters, Joshua | Boston, Mass. | Leather, splitting | May 31. |
| Brown, E., and A. Kieth | Winfield | Churn | June 19. |
| Bent, William | Philadelphia, Pa. | Machine for splitting skins | June 17. |
| Buffum, Arnold | Smithfield, R. I. | Boots and shoes, water proof | December 22. |
| Barron, James | Norfolk, Va. | Stove | May 14. |
| Burns, Robert | Mifflin county, Pa. | Mills, increasing the power of | June 20. |
| Bicknall, John | Buckfield, Maine | Grinding grain | December 11. |
| Brown, Benjamin F. | New York, N. Y. | Press-frame, standing | March 2. |
| Barron, James | Norfolk, Va. | Lever angles | May 14. |
| Brockway, J. C. M. | Lyme, Ct. | Pills, anti-dysenteric | March 13. |
| Baker, A. C., and M. T. | | | |
| Biddle | Albany, N. Y. | Transferring impressions from paper to wood | February 7. |
| Cumberland, William | New York, N. Y. | Bleaching unrotted flax and hemp | August 27. |
| Cumberland, William | Do. | Flax and hemp machine | July 9. |
| Cumberland, William | Do. | Flax and hemp, unrotted | November 29. |
| Carpenter, Bailey | Somerstown, N. Y. | Plough share | July 1. |
| Clute, Peter J. | Schenectady, N. Y. | Plough | November 16. |
| Cranston, Samuel | Cumberland, R. I. | Spring shuttle spindle | March 20. |
| Case, Elisha | Canton, Ct. | Scraper, or team shovel | April 23. |
| Cady, Pascal | Brooklyn, Ct. | Washing machine | January 17. |
| Clark, Samuel | Morris county, N. J. | Churn | October 4. |
| Cozzens, Frederick S. | New York, N. Y. | Distilling | July 27. |
| Collins, Samuel | Springfield, Mass. | Forge, hollow fire | September 11. |
| Colden, Cadw. D. | New York, N. Y. | Salt, manufacturing | December 14. |
| Cornelius, Christopher | Philadelphia, Pa. | Lamps, light-house | December 28. |
| Davison, Samuel | Romulus, N. Y. | Flax breaking machine | May 17. |
| Ducher, Josiah | Durham, N. Y. | Plough, cast iron | February 12. |
| Denny, John | Queen Anne county, Md. | Floating vessels | October 3. |
| Davis, David St. L. | Hibernia, Tenn. | Kiln for drying malt by steam | August 30. |
| Dew, Sam. | Romuey, Va. | Compass, universal | April 13. |
| Eastman, John S. | Baltimore, Md. | Cleaning grain from straw | January 29. |

LIST—Continued.

| Names of patentees. | Residence. | Inventions, discoveries, or improvements. | Date of patent. |
|--------------------------------------|--------------------------|--|----------------------|
| Elmer, T., and J. Pierson | Bridgetown, N. J. | Wheel, polygonal, and chain paddles | 1822. January 21. |
| Elford, James L. | Charleston, S. C. | Telegraph | June 18. |
| Earle, William | Boston, Mass. | Shingle machine | December 28. |
| Elder, William | New Brunswick, N. J. | Fermenting apple cider | August 21. |
| Elliott, James | Philadelphia, Pa. | Bark mill | May 24. |
| Fairchild, R. and D. | Fairfield, Ct. | Saddletrees | March 6. |
| Fisher, J. S., and L. W. Talbot | Dedham, Mass. | Dough, kneading | April 23. |
| Follet, Francis | Petersburg, Va. | Window-sashes | October 15. |
| Farr, Bela | Norwich, N. Y. | Truss, improvements on Hull's | March 9. |
| Force, Peter | Washington, D. C. | Paper hangings, printing | August 22. |
| Freeman, Philip | Amboy, N. J. | Pressing, and hoisting, and lowering machine | February 20. |
| Goodsell, Namon | Paris, N. Y. | Flax and hemp machine | September 19. |
| Gill, C. B., and James Gill, (B. C.) | Chester, S. C. | Plough | March 25. |
| Gibson, John | Montgomery county, N. Y. | Plough | May 20. |
| Gilman, R. | New York | Thrashing and winnowing | April 29. |
| Green, E., and M. Blackestee | Litchfield, Ct. | Timber bending | March 20. |
| Grundy, Rufus | New York | Saw-setter | December 21. |
| Gray, George H. D. | Southampton, Va. | Tide or current mill | September 25. |
| Gue, John | Waterford, N. Y. | Windmill machinery | December 31. |
| Goucher, F. | Philadelphia, Pa. | Washing machine | June 15. |
| Glendining, A. | Butler county, Va. | Washing machine | September 25. |
| Grieme, Philip | Brandywine, Pa. | Distilling | April 17. |
| Garey, Jeremiah | Baltimore, Md. | Cock, metallic screw | April 23. |

| | | | |
|-------------------------------|---------------------|--|--------------|
| Howe, Timothy | Turner, Maine | Thrashing machine | December 3. |
| Hawkins, G. W., and H. Emery | Windsor county, Vt. | Plough, cast iron | February 16. |
| Houck, Jacob | New Market, Md. | Razor strop | January 24. |
| Hyde, Reuben | Winchester, Mass. | Pales, for fencing; machine for making | April 19. |
| Haden, Benjamin, jr. | Trenton, N. J. | Churn | June 15. |
| Hallon, Thomas | Philadelphia, Pa. | Steam-engine | February 28. |
| Holley, Philologus | Red Hook, N. Y. | Stone, cutting | March 1. |
| Hitchcock, Lemuel | Weathersfield, Vt. | Stoves and fire-places | May 4. |
| Higgins, Ebenezer | Saratoga, N. Y. | Engine, fire | April 27. |
| Hall, William | Boston, Mass. | Isinglass | March 23. |
| Hastings, John | Cambridge, Mass. | Isinglass | August 14. |
| Hedle, Paulus | New York, N. Y. | Railings, ornamenting the tops of iron and other | February 21. |
| Heald, E. | Norridgewock, Me. | Cloth machine for shaving | December 4. |
| Hallock, John | Egg Harbor, N. J. | Oil press | July 22. |
| Hascall, J. D. | Lekay, N. Y. | Grist-mill | March 9. |
| Hendryx, Josiah J. | Bennington, Vt. | Scale, for measuring | May 29. |
| Holcomb, A. | Litchfield, N. Y. | Fire-arms | October 31. |
| Ives, John | Bristol, Ct. | Clock cases | March 21. |
| Justin, James | Pittsburg, Pa. | Washing and grinding | April 19. |
| Judd, Ebenezer W. | Middlebury, Vt. | Marble, sawing machine | August 14. |
| James, Deming | Cambridge, Mass. | Tubes for glass lamps | February 2. |
| Jordan, Daniel C. | New York | Saw-setter | December 2. |
| Kembell, Ephraim | Fitchburg, Mass. | Scythes, manufacture | January 17. |
| Kenrick, Charles | New York | Waistcoat and pantaloons | February 8. |
| Keith, A. | Winfield, N. Y. | Skins, spitting | June 19. |
| Kellenback, Balth J. | Philadelphia, Pa. | Still | October 17. |
| Loomis, William | Ashford, Ct. | Clover seed machine | April 27. |
| Laporte, Peter | Richmond, Va. | Bridle | August 15. |
| Lockwood, S., and W. Loveland | Little Falls, N. Y. | Engine, fire | April 16. |

REPORT

Of the Committee on the expenditures of the Department of State on the Patent Office.

FEBRUARY 7, 1823.

Read, and ordered to lie on the table.

The Committee on the expenditures of the Department of State, to whom was referred the letter of the Secretary, of December 3d, 1822, accompanied by one addressed to him by the Superintendent of the Patent Office,

REPORT:

That they have examined the subject referred to them, and find that such was the decayed or injured condition of many of the models in the Patent Office, that, during the summer past, it was deemed a duty, by the Department, to employ an artist to repair such as were in the greatest state of dilapidation; that the said artist has been employed since the twenty-third day of August last, at a compensation of two dollars per day; that many of the models are very complicated and of delicate structure, and, by the frequent handling of the numerous persons who visit the Office, are very liable to be injured; and that many of them are already so much injured as to require repairs for their preservation from entire destruction. That the Department has suggested the propriety of making provision for the permanent employment of an artist, for the purpose of repairing them, and keeping them in a constant state of preservation.

The committee have been furnished with a statement from the Patent Office, from which it appears, that, since the institution of the Office, about three thousand five hundred patents have been issued, and that about one thousand eight hundred models of machines have been deposited in the Patent Office.

It is evident, from this statement, that more than half of the patents that have been issued under the Patent act, have been for mechanical inventions; and it appears, from the statement accompanying this report, as well as from inspection, that a large proportion of them are calculated to facilitate the labors of agriculture, manufactures, and navigation.

Inventions of this kind involve new combinations of the mechanic

LIST—Continued.

| Names of patentees. | Residence. | Inventions, discoveries, or improvements. | Date of patent. |
|---------------------------------|---------------------|--|----------------------|
| Lewis, Charles, and C. Taylor | Poughkeepsie, N. Y. | Throstle, spindle | 1822. January 26. |
| Leman, Ebenezer, jr. | Boston, Mass. | Locks | November 28. |
| Lyman, George | Charles parish, La. | Wheel, inclined | March 4. |
| Leah, Robert | Delhi, N. Y. | Vertical tide wheel | May 31. |
| Moore, Robert | Rowan county, N. C. | Buds, delaying from blossoming | March 16. |
| McDonald, James | New York | Flax and hemp machine | August 31. |
| McDonald, Major | Topsham, Me. | Thrashing and winnowing machine | July 9. |
| Mark, J. A. | Philadelphia, Pa. | Glue, manufacturing | October 3. |
| McNamara, Charles | Northbridge, Mass. | Scythes | January 30. |
| Maltby, Benjamin | New York, N. Y. | Loom, domestic | April 13. |
| Mason, D. H. | Philadelphia, Pa. | Plates, for engraving and printing, metallic | May 17. |
| Merrow, John, and R. McKee, jr. | East Hartford, Ct. | Gunpowder | April 19. |
| Messer, Asa | Providence, R. I. | Flumes for mills | November 19. |
| Mitchell, James | Philadelphia, Pa. | Sugar, machine for breaking | September 11. |
| Mane, Honoré | Pt. Coupée, La. | Brick moulding machine | November 23. |
| Magine, Joseph | Baltimore, Md. | Fire-places | February 4. |
| McMinn, Robert | Philadelphia, Pa. | Stove for burning Lehigh coal | June 24. |
| McAllister, David | Brookfield, Vt. | Heating liquids in wooden cisterns | July 15. |
| Mingle, Philip L. | Do. | Stove for Lehigh coal | October 24. |
| Morris, John | New Haven, Ct. | Cock, stop | May 15. |
| Norris, S., and J. C. Wood | Philadelphia, Pa. | Shoes, socks, &c. | January 30. |
| Null, Anthony | Do. | Saddletrees | August 29. |
| Oakes, Joshua | Boston, Mass. | Lights, glass, for ships | May 11. |

| | | | | | | | | |
|-----------------------------------|---|-----------------------------|---|---------------------------------|---|---|---|---------------|
| Pennoyer, Samuel | - | Cross River, N. Y. | - | Cotton gin | - | - | - | July 24. |
| Peacock, David | - | Northampton, N. Y. | - | Plough | - | - | - | June 21. |
| Pennock, Moses | - | East Marlborough, Pa. | - | Horse-rake | - | - | - | June 26. |
| Pope, Joseph | - | Hallowell, Maine | - | Thrashing and winnowing machine | - | - | - | July 30. |
| Puylia, James | - | Philadelphia, Pa. | - | Bank notes | - | - | - | August 13. |
| Perry, Ely | - | Portsmouth, Ct. | - | Clock, wooden wheel | - | - | - | May 26. |
| Prouty, Russell | - | Spencer, Mass. | - | Wire, drawing card | - | - | - | January 19. |
| Phebus, William | - | New York, N. Y. | - | Windmills | - | - | - | January 24. |
| Petlee, Seneca | - | Salisbury, Ct. | - | Sleigh-shoes | - | - | - | October 1. |
| Pearson, Daniel | - | Boston, Mass. | - | Telegraph, domestic | - | - | - | March 2. |
| Pierce, John J. | - | Greenfield, Mass. | - | Stove, open cooking | - | - | - | March 11. |
| Plantou, Julia | - | Philadelphia, Pa. | - | Stove, foot | - | - | - | November 4. |
| Read, Nathan | - | Belfast, Maine | - | Machine for hulling coffee | - | - | - | September 10. |
| Robinson, G. W. | - | Attleborough, Mass. | - | Furnaces, making | - | - | - | August 19. |
| Rodgers, John | - | Washington, D. C. | - | Railway, marine | - | - | - | June 24. |
| Rolph, Social | - | Albany, N. Y. | - | Water, raising | - | - | - | November 16. |
| Ritter, David | - | New Haven, Ct. | - | Razor-strops | - | - | - | March 9. |
| Rolfe, B. | - | Deering, N. H. | - | Brick-press | - | - | - | April 30. |
| Richards, Spencer | - | Attleborough, Mass. | - | Buttons, finishing glass | - | - | - | August 19. |
| Richardson, William H. | - | Baltimore, Md. | - | Gunpowder, granulating | - | - | - | August 3. |
| Schnart, William G. | - | Orange county, N. Y. | - | Plough, cast iron | - | - | - | February 5. |
| Schoonmaker, J. J., and J. Dolson | - | Ulster & Dutchess co., N.Y. | - | Plough, cast iron | - | - | - | December 7. |
| Savage, Alvin | - | Wheatland, N. Y. | - | Thrashing and winnowing machine | - | - | - | March 28. |
| Sharp, John | - | Whitestown, N. Y. | - | Yarn, spinning woollen | - | - | - | March 13. |
| Sarchet, John | - | Philadelphia, Pa. | - | Holes, machine for punching | - | - | - | April 2. |
| Skinner, Elijah | - | Sandwich, N. H. | - | Fender for fire-places | - | - | - | April 19. |
| Spafford, H. G. | - | Albany, N. Y. | - | Steel, making cast or wrought | - | - | - | October 30. |
| Spafford, H. G. | - | Do. | - | Iron or steel, making | - | - | - | October 30. |
| Spafford, H. G. | - | Do. | - | Tools, making edge | - | - | - | December 19. |
| Smith, James | - | Baltimore, Md. | - | Vaccination | - | - | - | July 10. |

LIST—Continued.

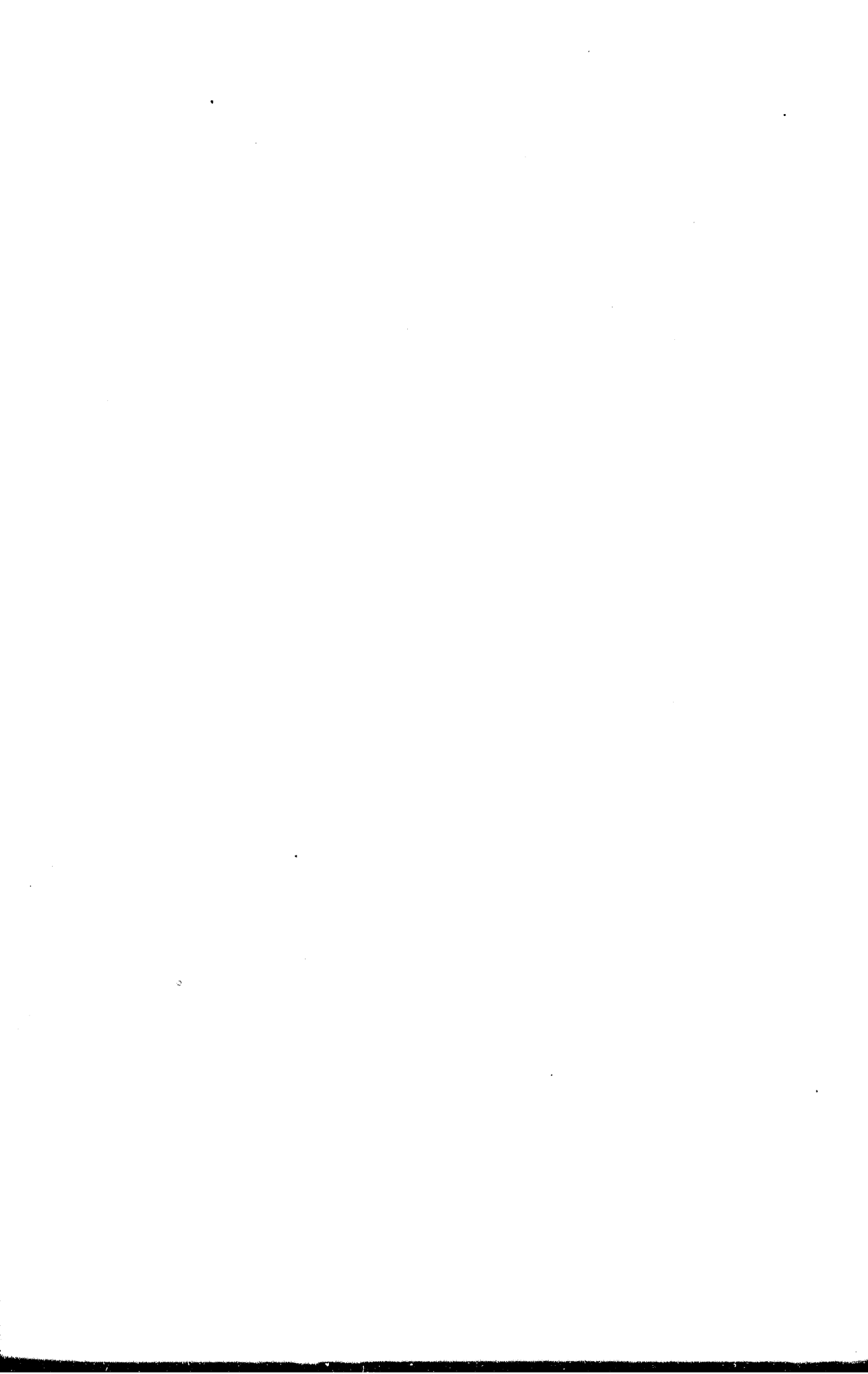
| Names of patentees. | Residence | Inventions, discoveries, and improvements. | Date of patent. |
|-----------------------------------|----------------------|--|-----------------|
| | | | 1822. |
| Shaw, Joseph | Philadelphia, Pa. | Percussion guns | June 19. |
| Stewart, James | Boston, Mass. | Piano-fortes, sounding-boards for | November 14. |
| Smith, Peter | New York, N. Y. | Printing press | April 6. |
| Sealy, Richard | Do. | Lever to raise bodies perpendicularly | July 1. |
| Seal, Robert | Delhi, N. Y. | Wheel, vertical tide | May 31. |
| Stubbs, J. E., and J. Bonner | Cincinnati, Ohio | Brick and tile | May 10. |
| Skinner, Charles W. | Norfolk, Va. | Ventilating vessels | August 23. |
| Spalding, Stephen | Colchester, Ct. | Fire-places | April 11. |
| Seymour, B., and A. C. Battles | Utica, N. Y. | Stove | May 25. |
| Swetland, Uriah | Kingston, Pa. | Distilling apparatus | November 18. |
| Tyler, B. & J., and J. B. Andrews | Windsor, Vt. | Thrashing and winnowing machine | April 23. |
| Tallman, Jedediah | Oneida county, N. Y. | Cleaning and screening wheat | May 8. |
| Thomas, John | Washington, D. C. | Planking vessels | December 22. |
| Thomas, John | Do. | Blocks and wedges for raising ships | May 17. |
| Tucker, Joseph C., and E. Dwelle | Boston, Mass. | Hydrometer | December 23. |
| Thayer, Joel F. | Do. | Locks and latches for doors | May 18. |
| Van Loan, William W. | Catskill, N. Y. | Fire-engine, assistant life | February 2. |
| Whittaker, John | Dingham's Ferry, Pa. | Wheels | June 24. |
| Weaver, William W. | Philadelphia, Pa. | Stove pipes | April 16. |
| West, B., and C. Soper | Rome, N. Y. | Window-shutter fastening | January 31. |
| Watson, David | Fayette, Maine | Washing machine | October 15. |
| Williamson, Per. | Baltimore, Md. | Bedstead | October 17. |

| | | | | | | | | | |
|-----------------------------|---|---|---------------------|---|---|----------------------------------|---|---|---------------|
| Wright, Horace | - | - | Onondaga, N. Y. | - | - | Cooper's work, machine for | - | - | October 23. |
| Wells, Samuel | - | - | Boston, Mass. | - | - | Rigging vessels | - | - | October 24. |
| Wells, Samuel | - | - | Do. | - | - | Truss lever and sling | - | - | October 24. |
| Woods, Andrew | - | - | Charlestown, Va. | - | - | Chairs, nursing | - | - | March 13. |
| Williams, Everett | - | - | Stratford, N. H. | - | - | Rollers, covering for sizing | - | - | April 13. |
| Warren, Edmund | - | - | New York, N. Y. | - | - | Loom | - | - | May 1. |
| Wall, Richard | - | - | Waterbury, Ct. | - | - | Pipes, making leaden | - | - | July 5. |
| Wheeler, Lee, and T. Powell | - | - | Coxsackie, N. Y. | - | - | Wheel, inclined, horse and water | - | - | December 6. |
| White, Thomas | - | - | Chester, S. C. | - | - | Sawmill | - | - | April 27. |
| Williams, Thomas | - | - | Pittsylvania, N. Y. | - | - | Corn covering machine | - | - | December 19. |
| Willis, William | - | - | South Carolina | - | - | Cutting box | - | - | August 24. |
| Willis, William | - | - | Edgefield, S. C. | - | - | Drill and cotton thinner | - | - | May 7. |
| Wooley, Joseph | - | - | Troy, N. Y. | - | - | Drill and cotton thinner | - | - | September 14. |

PATENT OFFICE, *January, 1837.*

I hereby certify that the foregoing is a correct list of all the patents for inventions, discoveries, and improvements, which have expired within the year 1836, furnished agreeably to an act of Congress approved July 3d, 1832.

HENRY L. ELLSWORTH,
Commissioner of Patents.



APPENDIX.



powers; and their utility consists in their subjecting these powers to a more efficient operation in their application to practical uses. Every improvement in mechanical operations, serves as a guide to new combinations and different applications, and leads to further inventions: such inventions deserve every encouragement in a country where it is an object to cheapen labor. It is supposed by competent judges, that the single machine for cleaning cotton has saved to the United States more than half a million of dollars, in superceding the necessity of manual labor.

The object in establishing the Patent Office, was the preservation of the models of the inventions, which may be deemed of sufficient importance to merit preservation. It is the object of the model, no less than the specification, to secure to the patentee the exclusive enjoyment of his invention during the continuance of his patent; to guard others from interfering with his rights; and to enable the public to enjoy the benefit of the invention, after the monopoly shall have expired. It is of some importance, in this case, also to observe, that, in many instances, the model is the test of the nature and extent of the invention, and forms the rule by which subsequent improvements are ascertained, and secured to the inventors; for, although the specification, or a certified copy of it, is the legal evidence of the invention, yet, many machines are so complicated, that no one but a skilful artist can comprehend their construction or mode of operation, without the inspection of a model; and in all cases of dispute, respecting the extent of improvements in the principles of original machines of any complexity, it is impossible for a court or jury to judge correctly, without a model exhibiting the improvements.

If it be deemed desirable to preserve the models of inventions, for these purposes, it seems absolutely necessary that they should be preserved entire.

The committee will further observe, that the Patent Office is supported by the fees paid by the patentees; and that the receipts of the Office, since its establishment, exceed the expenditure by a very considerable amount.

Your committee are therefore of opinion, that an artist should be permanently employed, for the purpose of repairing, and keeping in constant preservation, the models in the Patent Office; and that a clause should be added to some proper bill, making an appropriation for that purpose.

All which is respectfully submitted.

List of Models in the Patent Office, Jan. 21st, 1823.

| | | | | | | |
|---------------------------------|---|---|---|---|---|------------------|
| Propelling boats | - | - | - | - | - | 38 |
| Carding machines | - | - | - | - | - | 8 |
| Making carriage wheels | - | - | - | - | - | 4 |
| Ploughs | - | - | - | - | - | 65 |
| Thrashing machines | - | - | - | - | - | 20 |
| Winnowing machines | - | - | - | - | - | 25 |
| Bridges | - | - | - | - | - | 13 |
| Saw-mills | - | - | - | - | - | 26 |
| Water-mills | - | - | - | - | - | 17 |
| Wind-mills | - | - | - | - | - | 7 |
| Water-wheels | - | - | - | - | - | 26 |
| Pumps | - | - | - | - | - | 66 |
| Presses | - | - | - | - | - | 56 |
| Looms | - | - | - | - | - | 45 |
| Stocking looms | - | - | - | - | - | 3 |
| Spinning machines | - | - | - | - | - | 28 |
| Fire engines | - | - | - | - | - | 10 |
| Steam mills | - | - | - | - | - | 14 |
| Nail cutting machines | - | - | - | - | - | 95 |
| Machine for making barrels, &c. | - | - | - | - | - | 1 |
| Mud machines | - | - | - | - | - | 7 |
| Flax dressing machines | - | - | - | - | - | 6 |
| File cutting machines | - | - | - | - | - | 6 |
| Machines for cutting dye-woods | - | - | - | - | - | 6 |
| Cloth shearing machines | - | - | - | - | - | 16 |
| Straw cutting machines | - | - | - | - | - | 10 |
| Boring machine | - | - | - | - | - | 3 |
| Locks | - | - | - | - | - | 12 |
| Guns | - | - | - | - | - | 2 |
| | | | | | | <hr/> 635 |
| For various purposes | - | - | - | - | - | 1184 |
| | | | | | | <hr/> <hr/> 1819 |

TREASURY DEPARTMENT,

Register's Office, January 29th, 1823.

SIR: In compliance with the request contained in your letter of the 23d inst. which I had the honor to receive, I beg leave to transmit, herewith, a statement of the annual receipts and expenditures of the Patent Office, from its establishment to the 31st December, 1821, so far as the records of this office have enabled me.

The vouchers for the contingent expenses of the Department of State, with which those of the Patent Office are blended, are, at this time, in that Department, for the purpose of forming a statement, under a recent resolution of the House of Representatives, of books, &c. purchased since the year 1817. The contingent expenses of the Patent Office, however, taking the average of 1814, and 1815, and 1816, may be estimated at \$600 per annum.

I am, sir, with great respect,

Your obedient servant.

JOSEPH NOURSE, *Register.*

HON. SILAS WOOD.

STATEMENT of the annual Receipts and Expenditures of the Patent Office, to 31st December, 1821.

| YEARS. | RECEIPTS. | EXPENDITURES. | |
|--------|-----------|--|---|
| | | Salaries of Superintendent, clerks, and messengers. | Contingent expenses. |
| 1793 | 660 | It does not appear that any payments were made during these years. | The vouchers for the Contingent Expenses were burnt by the British in 1814. |
| 4 | 570 | | |
| 5 | 600 | | |
| 6 | 1,380 | | |
| 7 | 1,470 | | |
| 8 | 870 | | |
| 9 | 1,260 | | |
| 1800 | 1,230 | | |
| 1 | 1,410 | | |
| 2 | 142 | | |
| 3 | 2,910 | 1,750 | |
| 4 | 2,670 | 1,400 | |
| 5 | 1,710 | 1,400 | |
| 6 | 2,400 | 1,400 | |
| 7 | 2,850 | 1,400 | |
| 8 | 4,860 | 1,550 | |
| 9 | 6,690 | 1,700 | |
| 10 | 6,660 | 1,759 | 14 |
| 11 | 6,810 | 2,275 | |
| 12 | 6,660 | 1,550 | |
| 13 | 5,880 | 2,149 | 96 |
| 14 | 6,090 | 2,150 | |
| 15 | 5,850 | 2,150 | |
| 16 | 5,760 | 2,150 | |
| 17 | 4,680 | 2,525 | |
| 18 | 4,740 | 2,838 | 88 |
| 19 | 3,060 | 2,750 | |
| 20 | 3,720 | 2,750 | |
| 21 | 4,770 | 2,750 | |
| | | | 403 01 |
| | | | 601 14 |
| | | | 778 09 |

TREASURY DEPARTMENT,

Register's Office, Jan. 29, 1823.

JOSEPH NOURSE, Register.



PATENT OFFICE.

JANUARY 27, 1830.

Referred to the Committee on the Judiciary.

MESSAGE

FROM THE

PRESIDENT OF THE UNITED STATES,

TRANSMITTING

A communication from the Secretary of State in relation to the Patent Office.

To the Senate and House of Representatives of the United States.

I submit to Congress a communication from the Secretary of State, together with the report of the Superintendent of the Patent Office to which it refers, showing the present condition of that office, and suggesting the necessity of further legislative provisions in regard to it; and I recommend the subjects it embraces to the particular attention of Congress.

It will be seen that there is an unexplained deficiency in the accounts which have been rendered at the Treasury, of the fees received at the office, amounting to four thousand two hundred and ninety dollars; and that precautions have been provided to guard against similar delinquencies, in future. Congress will decide on their sufficiency, and whether any legislative aid is necessary upon this branch of the subject referred to in the report.

ANDREW JACKSON.

Washington, 26th January, 1830.

DEPARTMENT OF STATE,

Washington, 21st January, 1830.

The Secretary of State has the honor of submitting to the President, a report made to this Department, pursuant to his directions, by the Superintendent of the Patent Office. It gives a statement of the past and present condition of the office, and contains suggestions which are well entitled to the consideration of Congress.

To avoid mistake, and as an act of justice to those who have heretofore been entrusted with the funds of the office, the Superintendent was directed

to re-examine his statement in relation to the alleged deficiencies in the accounts which have been rendered to the Treasury, and to give notice thereof to the legal representative of Dr. Thornton, heretofore Superintendent, and to Mr. Elliot, who, until this last summer, was the principal clerk of the office. The accompanying papers show that those directions have been complied with, and also exhibit the result of the re-examination.

It will be seen by the accompanying report, that precautions have been recently adopted, which cannot fail to prevent such irregularities in future, and will secure a faithful account of this portion of the public funds. The report likewise suggests the necessity of further legislative provisions, in reference to the suitable completion of the building in which the office and models are kept, and the employment of additional clerks, which are essentially necessary, in the opinion of the Secretary, for the preservation and display of the numerous models referred to, and for the execution and despatch of the business connected with this branch of the public service.

Respectfully submitted.

M. VAN BUREN.

PATENT OFFICE

January 20th, 1830.

SIR: According to your instructions, I wrote to Mrs. Thornton, and Mr. Elliot. Copies of the letters, and Mr. Elliot's answer, I have the honor now to transmit. I beg leave to observe, that the causes assigned by Mr. E. are altogether insufficient. The patents re-issued, are all marked in the "*Entry Book*," and not one of them taken into the list I made out. If they were, they would not answer the purpose. Thus, in 1818, there was *not one re-issue*; yet there was a deficit of \$1920; and 58 patents omitted in the Secretary's report to Congress. In 1819, there was *one re-issue*, and a deficit of \$1620: and in no one year does there appear to have been more than three patents re issued. The other causes assigned, it is presumed, require no notice. From Mrs. Thornton, no answer is received.

With great respect,

I am, &c.

JOHN D. CRAIG.

Hon. MARTIN VAN BUREN,
Secretary of State.

DEPARTMENT OF STATE,

Patent Office, January 15th, 1830.

MADAM: You are respectfully requested by the Hon. M. Van Buren, Secretary of State, to afford this office such information or explanation as it may be in your power to communicate, in relation to a discrepancy which appears to exist between the number of patents issued from the year 1790, to the year 1828, (inclusive) and the amount of monies paid into the Treasury of the United States; the deficit of money is from four to five thousand dollars.

Any communication you may please to make, is requested on or before Tuesday next.

I have the honor to be,
Madam,
Your obed't. serv't.

JOHN D. CRAIG.

Mrs. A. M. THORNTON.

DEPARTMENT OF STATE,
Patent Office, January 15th, 1830.

SIR: You are respectfully requested by the Hon. M. Van Buren, Secretary of State, to afford this office such information or explanation as it may be in your power to communicate, in relation to a discrepancy which appears to exist, between the number of patents issued from the year 1790, to the year 1828, (inclusive) and the amount of moneys paid into the Treasury of the United States; the deficit of money is from four to five thousand dollars.

Any communication you may please to make, is requested on or before Tuesday next.

Yours, respectfully,
JOHN D. CRAIG.

Wm. ELLIOT, Esq.

WASHINGTON, *January 16, 1830.*

SIR: Yesterday I received your letter of the 15th instant, requesting information respecting a "discrepancy which appears to exist between the patents issued and the Treasury receipts," to which I most respectfully reply:

In order to understand the principle on which patents were issued by the late Dr. Thornton for many years, it will be necessary to recur to the origin and progress of the patent office.

From about the year 1790, till 1803, the patents were issued by a clerk in the Department of State. At that period, Dr. Thornton was appointed by Mr. Jefferson to issue the patents, and took upon himself the title of *Superintendent*; and he continued to issue them for 24 years, or till the time of his death in 1827.

During many years of his superintendence, he conceived himself to be invested with, and exercised freely, much discretionary power in the issuing of patents; for he held it as a maxim, and, I believe, a very good one, that the patent law was made solely for the "encouragement of authors and inventors;" and not to collect revenue; and therefore, when any mistake or omission took place in issuing patents, whether by the inventor or the office, he would order a new one to be issued, without the payment of an additional patent fee; however, it was not till about the years 1815, or 1816, that he put this principle in full operation, and from that time till about 1824, many patents were issued for amended specifications, *without the payment of any additional fee.*

A minute or memorandum was regularly made, of *all* patents issued, whether for new or corrected specifications; thus, a much greater number of patents will appear in the entry books, than there are treasury receipts. Also, in the annual report made to Congress of patents issued, those for which no fee had been paid, were omitted: or rather, I believe, the Doctor reported only as many patents as there were Treasury receipts. This, of course, will make the list of patents furnished to Congress appear to contain fewer names than the entry books. It remains to be proved by experience, whether the present system of issuing patents, without limitation or obstruction, is more beneficial to the country, than the judicious exercise of a discretionary power, vested in the superintendent, to aid the ingenious, but poor man, in obtaining a *perfect* patent, without further expense than the original patent fee, and also, for *refusing* patents (under the control of the Secretary of State and Attorney General) to mere speculators (not inventors) who make a business in levying contributions on the public by licenses under the title of "patents," for neither *new* nor useful inventions, signed by the President, Secretary of State, and Attorney General, and who fill the country with litigation.

There are other causes that operated in producing a disagreement between the number of patents issued, and the treasury receipts: for in all cases where the *money was lost*, a patent was issued *without a fee*, the patent itself containing a receipt for the patentee.

However, besides the causes above mentioned, it was frequently discovered, by those in the office, that, owing to the want of a proper system, patents were issued by mistake *without a fee*; therefore to avoid in future these mistakes, and to introduce into the office a more perfect system of accountability, about 6 or 7 years ago, I made a representation of the same to the Secretary of State, and the chief clerk, D. Brent, Esq. In consequence thereof, about the years 1823 or 1824, all moneys received for patents were ordered to be paid into the hands of the agent of the Department of State. About the same time, it was decided by the Attorney General of the United States, that all patents re-issued for defective specifications (except for clerical errors) were required to pay a *new fee*: from that time, therefore, till the present, the Treasury receipts and number of patents issued, as minuted in the entry book, will probably nearly correspond, though not exactly, because the money was often received in one year, and the patents issued in another.

I will here beg leave to remark (though it does not exactly come within the request of your letter, nor will it account for the discrepancy referred to,) that in cases where a person had inadvertently paid his money in the Treasury, and could not withdraw it, the Doctor was in the habit of transferring this individual's money to pay the patent fee of another; and giving the money of the new applicant to the one whose money was already in the Treasury, but did not wish to have a patent: thus, many patents will appear to have been issued without fees, because the money was paid in a *different name* from that of the person obtaining the patent.

As regards myself, during the many years I was in office, it never was any part of my duty either to receive the patent fees or issue the patents; mine was the laborious part of copying specifications, and giving information: and I can say with truth, that much of the money now in the Treasury to the credit of the Patent Office, over and above all the expenses attending the issuing of patents, was earned by my labor.

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In some cases when applicants for patents sent their money and papers, and the invention was not considered new, or interfered with another, the *money* was then deposited in a Bank, till a decision took place. This account was at first kept in the Bank of Columbia, in the Doctors name; after the removal of that Bank it was deposited in the Bank of the Metropolis, where it was kept for some time; but being found troublesome, and not profitable to the Bank, (the amount deposited being trifling, and after short intervals deposited and drawn out,) the account was ordered to be closed by that Bank. Then, at the request of Doctor Thornton, an account for the above purpose was opened with the Patriotic Bank in my name. This also was closed in 1825; as will be seen by the statement of Robert W. Fenwick, herewith enclosed. However, it will be seen these were altogether private responsibilities, and did not in any way concern the public: the person sending this money will, of course, look for repayment to the person receiving it; as far as it respects me, all these cases have been fully discharged.

Since 1825, till the time I left the Patent Office in May, 1829, all moneys received for patents, whether to be paid immediately into the Treasury, or deposited in the Bank, were paid into the hands of the Agent of the Department of State.

Therefore, the causes of the discrepancy between the patents issued and the Treasury receipts were, in my opinion, occasioned chiefly, by

1st. The re-issuing of patents for defective specifications, without additional patent fees.

2nd. For patents issued, when the money was lost, &c.

3d. For patents issued, through mistake, without the fees being first paid, and for want of a proper system, such as was adopted in 1824.

I am, most respectfully,

Your obedient servant,

WILLIAM ELLIOT.

To JOHN D. CRAIG, Esq.

Superintendent of the Patent Office.

Washington County, }
DISTRICT OF COLUMBIA, } ss.

On this, 3d day of December, 1829, personally appeared before the subscriber, a justice of the peace in and for the above county, Robert W. Fenwick, of the City of Washington, D. C. and made oath according to law, to the truth of the following statement of facts, according to the best of his knowledge and belief:

C. H. W. WHARTON, J. P.

Statement above referred to.

That, previous to the year 1825, or thereabouts, it was the custom of the late Superintendent of the Patent Office, Dr. Thornton, to receive all the patent fees, and when the patents were ordered by him to be issued, to send the money to the Treasury; but in cases where they were not immediately decided on, either to retain the money in his own hands, or put it into a Bank, till a decision took place. If the patents were to be issued, then the money was paid into the Treasury; but if not issued, it was returned to the

person who sent it, and that I have, in every instance, paid all the money thus entrusted to my care into the Treasury.

I also further solemnly swear, that in the cases where the money was deposited in the Patriotic Bank, in the name of William Elliot, it was so done by the request of the said Dr. Thornton; and that the name of the person sending it, was always mentioned in the note accompanying it to the Bank; and the same name was always mentioned in the order which drew it out again: And further, that when William Elliot declined having more to do with the money belonging to the applicants for patents, his account was settled at the Patriotic Bank, and his Bank book, with the orders or checks by which the different sums had been drawn, were delivered to the said Dr. Thornton, examined by him, and found correct.*

R. W. FENWICK;

Witness.—C. H. W. WHARTON.

—◆—

DEPARTMENT OF STATE,
PATENT OFFICE, *December 22d, 1829.*

SIR: In conformity to Executive instructions, that a statement of the past and present condition of the Patent Office should be furnished, I have the honor of presenting to you the following report: And am,

With great esteem,

Yours, respectfully,

JOHN D. CRAIG.

HON. MARTIN VAN BUREN,
Secretary of State.

The Patent Office of the United States, was established by act of Congress, in 1790; new modeled in 1793; and amended in 1800. Since the latter period, no alterations or amendments of moment, have been made in the patent laws.

The number of patents issued prior to the year 1793, appears to be 47. From 1793 to 1828, inclusive, according to the reports of the Secretaries of State, presented annually to Congress, the number issued, as appears from the annexed table, marked A, was 5,153. But, according to the table marked B, and compiled from the original entries and records now in the office, the actual number issued during the said interval, was 5,380; or 227 more than were reported to Congress.

| | | | |
|--------------------------------------|---|---|------------|
| These, at \$30 each, would amount to | - | - | \$ 161,400 |
|--------------------------------------|---|---|------------|

| | | | |
|--|---|---|---------|
| But according to the statement furnished by the Register's office, and marked C, the corresponding amount of money paid into the Treasury, during the same time, was | - | - | 157,110 |
|--|---|---|---------|

| | | | |
|----------------------|---|---|---------|
| Leaving a deficit of | - | - | \$4,290 |
|----------------------|---|---|---------|

Unaccounted for between the Patent Office and the Treasury Department. Whereas, according to the number of patents reported to Congress, there would be a surplus paid into the Treasury of patent fees, of two thousand five hundred and twenty dollars.

*This took place in the year 1825.

On examining table B, it will be seen that the above deficit took place between the years 1815 and 1827: the amount of fees for the number of patents issued during said interval, exceeding the corresponding amount of Treasury receipts, by \$7,170; and even exceeding the amount of those reported to Congress during the same time, by 1,020.

To reconcile these anomalies, or investigate their origin, is not the present object. It may be observed, however, that, previous to the commencement of the present administration, the patents were signed by the Attorney General, before they were filled, and not inspected by him afterwards. At present they are entirely filled up, and have the Treasurer's receipt for the fees, attached to them, before they are presented to him: Consequently no patent can now be issued till the Treasury fee be paid, and the sanction of the Attorney General, with respect to all the legal requisitions, is obtained. These Treasury receipts show the Bank into which the payment is made, the date of the credit, and the attestation of the Register to their having been registered in his office. These checks, it is believed, will prevent all discrepancies in future.

The number of patents above stated, is that deduced from the records and original papers now in the office; but there are reasons to induce the belief, that a *greater number* has been issued. This circumstance alone, strongly urges the necessity of having the patents regularly recorded, as they are issued: yet the whole number recorded in the office, is less than seven hundred.

Great deficiencies are found to exist among the models and drawings deposited in the office, nor does it appear that any regular system was ever adopted for arranging and preserving those interesting specimens of the progress of the useful arts, and of national ingenuity.

The propriety of rendering it *penal*, to remove any papers, drawings, or models, belonging to the office, out of it, is respectfully submitted.

The new apartments, when finished, will afford ample room for a systematic arrangement and classification of the models, corresponding to the nature of the subject to which they respectively belong. The purposed arrangement, already partly executed, may be seen in the annexed document, marked D; and the drawings and original papers are now so ordered, that any one of them called for, can be produced in a few seconds. Still, however, the establishment must remain very imperfect, unless the patents as issued, be regularly recorded; and that can not possibly be accomplished, without additional aid afforded to the office. For this purpose, at least, two additional clerks would be wanted: the present number being barely adequate to the current business of the office: and it is daily increasing.

The appropriation of three thousand dollars, made during the last session of Congress, for the purpose of furnishing the new apartments, has proved, as might have been foreseen, quite inadequate. An additional sum of four thousand five hundred and sixty dollars, as appears by the subjoined estimate, marked E, will be requisite for that purpose: and it is highly desirable, that this appropriation be made as soon convenient, as the models, from their present exposed situation, are, by incautious visitors, suffering daily, more or less injury.

If the apartments were completed according to the intended plan, it is believed that no further expenditure of the kind, would be wanted for many years.

When we consider the facility with which, in the United States, patents can be procured, the partiality of men to their own productions, and the sanguine expectations which self-interest thence induces them to indulge, it is not surprising that patents are frequently taken out for the most trifling inventions, or improvements. The Treasury fee is thirty dollars; and many patents, when obtained, are not worth as many cents. Yet the applicant is highly offended, if advised to keep his money. On the other hand, the community at large is frequently deprived of its common right, by a monopoly of what ought to be free, unless some individual will step forward and subject himself to the risk of a vexatious law-suit. Both these evils, it is presumed, might be, in a great measure, removed, by augmenting the Treasury fee for obtaining patents. In England, a patent can not be obtained for less than one hundred and five pounds sterling; yet, when duly considered, even that sum is a mere trifle compared with the advantages resulting to an individual, from an exclusive interest in using and vending an important invention or improvement, in any useful art or manufacture.

By reference to the Register's statement, marked C, it appears that the Patent Office, instead of being a burden to the Government, is a constant and increasing source of revenue. But it claims attention on higher ground: It is a repository of national ingenuity. It affords an interesting display of the progress of the useful arts, and of the inventive faculties of man: It holds out incentives to industry; a premium to ingenuity; a powerful stimulus to improvements in the arts and manufactures; the comforts and embellishments of life: and therefore, as a means of national improvement, is highly entitled to national regard.

All which is respectfully submitted.

A.

STATEMENT of PATENTS for Useful Inventions (issued) as per reports of the Secretary of State to Congress; and, also, an abstract from the report of the Register, showing the amount of funds received in the Treasury each year for that object.

| Years. | From Reports to Congress. | | From Report of Register. | | Differences. | |
|--------|---------------------------|----------------------------|--------------------------|----------------------------|-----------------------|-------------------------|
| | Number of Patents. | At \$30 each, amounting to | Number of Patents. | At \$30 each, amounting to | Plus paid in Treasury | Minus paid in Treasury. |
| 1793 | 20 | 600 | 22 | 660 | 60 | 00 |
| 1794 | 23 | 690 | 19 | 570 | 00 | 120 |
| 1795 | 11 | 330 | 20 | 600 | 270 | 00 |
| 1796 | 44 | 1,320 | 46 | 1,380 | 60 | 00 |
| 1797 | 51 | 1,530 | 49 | 1,470 | 00 | 60 |
| 1798 | 28 | 840 | 29 | 870 | 30 | 00 |
| 1799 | 43 | 1,290 | 42 | 1,260 | 00 | 30 |
| 1800 | 41 | 1,230 | 41 | 1,230 | 10 | 00 |
| 1801 | 44 | 1,320 | 47 | 1,410 | 90 | 00 |
| 1802 | 65 | 1,950 | 70 | 2,100 | 150 | 00 |
| 1803 | 97 | 2,910 | 97 | 2,910 | 00 | 00 |
| 1804 | 84 | 2,520 | 89 | 2,670 | 150 | 00 |
| 1805 | 57 | 1,710 | 57 | 1,710 | 00 | 00 |
| 1806 | 62 | 1,860 | 80 | 2,400 | 540 | 00 |
| 1807 | 99 | 2,970 | 95 | 2,850 | 00 | 120 |
| 1808 | 159 | 4,770 | 162 | 4,860 | 90 | 00 |
| 1809 | 203 | 6,090 | 223 | 6,690 | 600 | 00 |
| 1810 | 223 | 6,690 | 222 | 6,660 | 00 | 30 |
| 1811 | 215 | 6,450 | 227 | 6,810 | 360 | 00 |
| 1812 | 237 | 7,110 | 222 | 6,660 | 00 | 450 |
| 1813 | 178 | 5,340 | 196 | 5,880 | 540 | 00 |
| 1814 | 207 | 6,210 | 203 | 6,090 | 00 | 120 |
| 1815 | 166 | 4,980 | 195 | 5,850 | 870 | 00 |
| 1816 | 201 | 6,030 | 192 | 5,760 | 00 | 270 |
| 1817 | 172 | 5,160 | 156 | 4,680 | 00 | 480 |
| 1818 | 167 | 5,010 | 158 | 4,740 | 00 | 270 |
| 1819 | 100 | 3,000 | 102 | 3,060 | 60 | 00 |
| 1820 | 117 | 3,510 | 124 | 3,720 | 210 | 00 |
| 1821 | 153 | 4,590 | 159 | 4,770 | 180 | 00 |
| 1822 | 201 | 6,030 | 200 | 6,000 | 00 | 30 |
| 1823 | 164 | 4,920 | 158 | 4,740 | 00 | 180 |
| 1824 | 205 | 6,150 | 209 | 6,270 | 120 | 00 |
| 1825 | 299 | 8,970 | 298 | 8,940 | 00 | 30 |
| 1826 | 324 | 9,720 | 314 | 9,420 | 00 | 300 |
| 1827 | 329 | 9,870 | 352 | 10,560 | 690 | 00 |
| 1828 | 364 | 10,920 | 362 | 10,860 | 00 | 60 |
| | | | | | 5,070 | 2,550 |
| | | | | | 2,550 | Deduct |
| | 5,153 | 154,590 | 5,237 | 157,110 | 2,520 | Plus in Trs. |

The report from the Register of the receipt of moneys for this object, only goes back to 1793; but the Congressional reports commence in 1790. For the years 1790, 1791, and 1792, there were issued 47 Patents, which, if deducted from the sum of \$2,520, would still leave \$1,110 plus paid in the Treasury.

DEPARTMENT OF STATE, 11th December, 1829.

D.

CLASSIFICATION OF THE MODELS.

I. *Agriculture.*

Ploughs, Harrows, Cultivators, Planting, Seeding, Mowing and Threshing Machines, Rakes, Wheatfans, Strawcutters, &c. &c.

II. *Factory Machinery.*

For Cotton, Wool, Flax, Hemp, Paper, Rolling and Slitting Mills, Nailcutters, &c.

III. *Navigation.*

Ships, Boats, Marine Rail Ways, Canal Locks, Mud Machines, Dry Docks, &c.

IV. *Land Works.*

Railways, Roads, Bridges, Excavating and Boring Machines, Pile Engines, &c.

V. *Common Trades.*

Brickmaking and Planing Machines, Triphammers, Bellows, Turning Lathes, Chains, Washing Machines, Household Furniture, and Utensils: Also, Shoes, Boots, Saddles, Harness, &c.

VI. *Wheel Carriages.*

Coaches, Chairs, Wagons, Carts, Waywisers, Mailbags, and Boats, &c.

VII. *Hydraulicks.*

Pumps, Fire Engines, Hose, Valves, &c.

VIII. *Calorific and Steam Apparatus.*

Furnaces, Fire Places, Stoves, Boilers, Steam Engines, &c.

IX. *Mills.*

Water, and other Wheels, Grist Mills, Saw Mills, and the various parts of their Machinery.

X. *Lever and Screw Power.*

Applied to Printing, Coining, and other Presses.

XI. *Arms.*

Cannons, Mortars, Muskets, Rifles, Pistols, Percussion and other Locks, Swords, &c.

XII. *Mathematical Instruments*

For Surveying, Mining, and Nautical purposes.

XIII. *Chemical Compositions.*

Patent Medicines, Cements, Dyes, &c.

XIV. *Fine Arts.*

Musical Instruments, Paints, Varnishes, Gildings, Sculpture, Architecture, and Gardening.

DOCUMENTS

TRANSMITTED TO CONGRESS BY THE PRESIDENT AT THE COMMENCEMENT OF
THE FIRST SESSION OF THE TWENTY-SECOND CONGRESS. *

REPORT ON THE STATE OF THE PATENT OFFICE.

DEPARTMENT OF STATE,

WASHINGTON, *2d December*, 1831.

To the President :

SIR : Soon after my coming into office I examined into the state of that branch of my department relating to the issuing of patents for useful inventions, and was much surprised to find, that, although the law requires each patent to be recorded, yet more than five thousand patents had been issued without any record being kept in the manner directed by the act. Desirous of remedying this evil, and of complying with the law, I at first intended to have employed the number of clerks necessary for the purpose, which I supposed myself entitled to do; under the 11th section of the act of 21st of February, 1793, which directs that the thirty dollars paid for each patent should "pass to the account of clerk hire in the office of the Secretary of State." Comparing this, however, with subsequent laws limiting the number of clerks to be employed in the Patent office, I entertained doubts of my power, and the opinion of the Attorney General having confirmed those doubts, I determined to submit the facts to your consideration, that you might, if you deemed it expedient, transmit them to Congress: and I directed the Superintendent to furnish me with a statement of the actual situation of the Patent office, which I herewith transmit. From this it will appear that the thirty dollars paid for each patent, intended originally to defray the expences attending the issuing it, have been diverted from their original destination, and have given to the Treasury a sum exceeding ten thousand dollars annually, clear of all expences; and that, in consequence of this, a most material provision of the law has been necessarily omitted, the clerks, limited to three, being barely sufficient to carry on the current business of the office, leaving five thousand nine hundred patents unrecorded. As it evidently was not the intent of the law to look to the fees of the Patent office as a source of revenue, it would be highly proper to restore the proceeds derived from them to their original object, by enabling the department to employ them for the payment of the clerks necessary to effect the objects of the law.

The other amendments pointed out by the Superintendent seem to me highly worthy of consideration. and are respectfully submitted.

EDW. LIVINGSTON,

B.

The number of Patents annually issued, from 1790 to 1828, inclusive: also, the amount of fees paid into the Treasury during the same period.

| Years. | No. of Patents. | Fees, at \$ 30. | Treasury Receipts. | Difference. |
|--------------------|-----------------|-----------------|--------------------|-------------|
| 1790 | 3 | | | |
| 1791 | 33 | | | |
| 1792 | 11 | | | |
| 1793 | 20 | \$ 600 00 | \$ 660 00 | + \$ 60 00 |
| 1794 | 22 | 600 00 | 570 00 | - 90 00 |
| 1795 | 12 | 360 00 | 600 00 | + 240 00 |
| 1796 | 44 | 1,320 00 | 1,380 00 | + 60 00 |
| 1797 | 51 | 1,530 00 | 1,470 00 | - 60 00 |
| 1798 | 28 | 840 00 | 870 00 | + 30 00 |
| 1799 | 44 | 1,320 00 | 1,260 00 | - 60 00 |
| 1800 | 41 | 1,230 00 | 1,230 00 | 0 00 |
| 1801 | 44 | 1,320 00 | 1,410 00 | - 90 00 |
| 1802 | 65 | 1,950 00 | 2,100 00 | + 250 00 |
| 1803 | 97 | 2,910 00 | 2,910 00 | 0 00 |
| 1804 | 84 | 2,520 00 | 2,670 00 | + 150 00 |
| 1805 | 57 | 1,710 00 | 1,710 00 | 0 00 |
| 1806 | 63 | 1,890 00 | 2,400 00 | + 510 00 |
| 1807 | 99 | 2,970 00 | 2,850 00 | - 120 00 |
| 1808 | 158 | 4,740 00 | 4,860 00 | + 120 00 |
| 1809 | 203 | 6,090 00 | 6,690 00 | + 600 00 |
| 1810 | 223 | 6,690 00 | 6,660 00 | - 30 00 |
| 1811 | 215 | 6,450 00 | 6,810 00 | + 360 00 |
| 1812 | 238 | 7,140 00 | 6,660 00 | - 480 00 |
| 1813 | 181 | 5,430 00 | 5,880 00 | + 450 00 |
| 1814 | 210 | 6,300 00 | 6,090 00 | - 210 00 |
| 1815 | 173 | 5,190 00 | 5,850 00 | + 660 00 |
| 1816 | 206 | 6,180 00 | 5,760 00 | - 420 00 |
| 1817 | 174 | 5,220 00 | 4,680 00 | - 540 00 |
| 1818 | 222 | 6,660 00 | 4,740 00 | - 1,920 00 |
| 1819 | 156 | 4,680 00 | 3,060 00 | - 1,620 00 |
| 1820 | 155 | 4,650 00 | 3,720 00 | - 930 00 |
| 1821 | 168 | 5,040 00 | 4,770 00 | - 270 00 |
| 1822 | 200 | 6,000 00 | 6,000 00 | 0 00 |
| 1823 | 173 | 5,190 00 | 4,740 00 | - 450 00 |
| 1824 | 228 | 6,840 00 | 6,270 00 | - 570 00 |
| 1825 | 304 | 9,120 00 | 8,940 00 | - 180 00 |
| 1826 | 323 | 9,690 00 | 9,420 00 | - 270 00 |
| 1827 | 331 | 9,930 00 | 10,560 00 | + 630 00 |
| 1828 | 368 | 11,040 00 | 10,860 00 | - 180 00 |
| 1829 | | | | |
| | 5,380 | 161,400 00 | 157,110 00 | - 4,290 00 |
| Treasury receipts, | - | 157,110 00 | | |
| Total deficiency, | - | 4,290 00 | | |

C.

STATEMENT of the amount annually received for Patents, under the Act of the 21st of February, 1793; and the amount annually paid for salaries and contingencies of the Patent Office, from its establishment to the 31st of December, 1828.

| YEARS. | RECEIPTS FOR PATENTS. | EXPENDITURES. | |
|--------|--------------------------|---------------|---|
| | | SALARIES. | CONTINGENCIES. |
| 1793 | \$ 660 00 | | |
| 1794 | 570 00 | | |
| 1795 | 600 00 | | |
| 1796 | 1,380 00 | | |
| 1797 | 1,470 00 | | |
| 1798 | 870 00 | | |
| 1799 | 1,260 00 | | |
| 1800 | 1,230 00 | | |
| 1801 | 1,410 00 | | |
| 1802 | 2,100 00 | | |
| 1803 | 2,910 00 | \$ 1,750 00 | |
| 1804 | 2,670 00 | 1,400 00 | The accounts disbursed for contingencies during this period cannot be ascertained; the vouchers having been destroyed by fire, in August, 1814. |
| 1805 | 1,710 00 | 1,400 00 | |
| 1806 | 2,400 00 | 1,400 00 | |
| 1807 | 2,850 00 | 1,400 00 | |
| 1808 | 4,860 00 | 1,550 00 | |
| 1809 | 6,690 00 | 1,700 00 | |
| 1810 | 6,660 00 | 1,759 14 | |
| 1811 | 6,810 00 | 2,275 00 | |
| 1812 | 6,660 00 | 1,550 00 | |
| 1813 | 5,880 00 | 2,149 96 | |
| 1814 | 6,090 00 | 2,150 00 | \$ 571 02 |
| 1815 | 5,850 00 | 2,150 00 | 751 00 |
| 1816 | 5,760 00 | 2,150 00 | 936 22 |
| 1817 | 4,680 00 | 2,525 00 | 1,438 24 |
| 1818 | 4,740 00 | 2,838 88 | 768 95 |
| 1819 | 3,060 00 | 2,750 00 | 623 06 |
| 1820 | 3,720 00 | 2,750 00 | 473 61 |
| 1821 | 4,770 00 | 2,750 00 | 576 07 |
| 1822 | 6,000 00 | 2,750 00 | 779 31 |
| 1823 | 4,740 00 | 2,850 00 | 1,205 59 |
| 1824 | 6,270 00 | 2,850 00 | 975 72 |
| 1825 | 8,940 00 | 3,600 00 | 1,553 67 |
| 1826 | 9,420 00 | 3,600 00 | 3,219 72 |
| 1827 | 10,560 00 | 4,264 44 | 2,623 64 |
| 1828 | 10,860 00 | 4,342 31 | 1,312 28 |
| | 57,110 00 | 62,654 73 | 17,808 10 |

STATEMENT C.—Continued.

| | |
|---|------------------|
| NOTE.—There was appropriated, by the Act of the 28th of April, 1810, for the better accommodation of the General Post and Patent Office, the sum of - | \$ 20,000 00 |
| Also, by the Act of 7th March, 1812, for ditto, - | 9,553 91 |
| Also, by the Act of 24th May, 1828, for erecting an additional building for the General Post and Patent Office, - - - - - | 12,000 00 |
| | <u>41,553 91</u> |

For which there are no data in this office to determine the relative proportions.

TREASURY DEPARTMENT,

REGISTER'S OFFICE.

T. L. SMITH, *Register.*

NOTE.—In conformity to the eleventh section of the Act of the 21st of February, 1793, quarterly accounts, since 1824, inclusive, have been rendered to the Treasury, (included in the contingent account of the Department of State) of the fees received for copying, &c. accompanied with an account of payments made to the Clerks who performed the services.

The following are the sums received and paid since 1824, viz:

| | | | | | |
|------|---|---|---|--------|------------------|
| 1824 | - | - | - | - | \$ 190 65 |
| 1825 | - | - | - | - | 157 52 |
| 1826 | - | - | - | - | 404 79 |
| 1827 | - | - | - | - | 46 34 |
| 1828 | - | - | - | - | 143 56 |
| | | | | | <u>942 86</u> |
| | | | | Total, | <u>\$ 942 86</u> |

E.

DEPARTMENT OF STATE,

Patent Office, Nov. 21, 1829.

AN ESTIMATE of the expenses necessary to complete the improvements partly executed in the Patent Office, viz:

| | |
|---|-----------------|
| To finish the carpenter work on the South side of the third story | \$ 300 |
| Do do on the North side | 600 |
| 4,000 feet of pine boards, at 25 cents | 100 |
| Hardware for the whole | 175 |
| 1,896 yards mahogany painting, at 50 cents | 948 |
| 420 glass lights, at 20 cents | 84 |
| Glazing the same, at 6¼ cents | 26 |
| 1,600 yards wire netting, at \$ 1. | 1,600 |
| Painting the same, at 25 cents | 400 |
| To fit up and furnish the second story of the engine-house for a machine shop | 200 |
| Arrears now due to workmen | 127 |
| | \$ 4,560 |

The above is deduced from actual measurements and ascertained prices, as far as practicable at present.

JOHN D. CRAIG.

DEPARTMENT OF STATE—PATENT OFFICE,

December 1, 1831.

* SIR: In compliance with your request, I have the honor to submit the following report, and remain,

With great respect,

JOHN D. CRAIG.

HON. EDWARD LIVINGSTON,
Secretary of State.

 REPORT.

The number of patents issued from the commencement of the present year, to this date, is five hundred and forty; and the corresponding amount of fees paid into the Treasury - - - - - \$16,200

The current expense of the office for clerk-hire and contingences, during the same time, was - - - - - 5,990

Leaving a balance in favor of the revenue, in eleven months, of \$10,210

From the establishment of the Patent office in 1790 to the present time, the whole number of patents issued, is six thousand nine hundred and eleven. Of this number, no more than nine hundred and sixty have been recorded, leaving no less than five thousand nine hundred and fifty-one, unrecorded; though the law expressly declares, that "*all patents issued shall be recorded in a book kept for that purpose;*" and many of the original papers are now so much worn, and the ink so faded, that, ere long, they will be illegible.

To record these 5951, would require five clerks for three years; and to keep up the current business of the office, and record agreeably to the existing laws, the patents as issued in future, would require two competent clerks in addition to the present number. Should Congress in its wisdom think proper to appropriate means for accomplishing these objects, it is respectfully suggested, whether, instead of allowing the recording clerks an annual salary, it would not be preferable to pay each of them monthly, at a stipulated rate, in proportion to the quantity he had correctly recorded. This method, it is believed, would tend to excite industry, accomplish the business with the same number of clerks in much less time, be more economical, and render to every one according to his work.

Among the patents issued from 1816 to June 1829, there are two hundred and forty, the drawings for which were not to be found in the office at the last mentioned date. This circumstance places the Superintendent in a very disagreeable situation when copies of any such are called for, and affords a strong argument in favor of making it *penal*, to take from the office either drawings, papers, or models belonging to it.

The 11th section of the Act of 1793, says, "for every copy of a drawing, the party obtaining the same shall pay *two dollars.*" Now, as no draughtsman is provided by law for the office, the making out of such copies is a voluntary act; and though some of them could be copied for fifty cents,

there are others that no competent draughtsman would execute for as many dollars, and very few of them for less than five; consequently, if applicants for copies of any of these were to insist upon having them furnished for the specified fee of two dollars, the Superintendent would be placed in circumstances where it is impossible to comply with the law.

In a former report from this office, submitted to Congress, it was respectfully suggested, whether an increase of the Treasury fee for obtaining patents would not be advantageous to the community at large, and also to the individuals whose discoveries or improvements are really entitled to encouragement and protection. Subsequent observation seems to confirm the opinion. Patents are frequently demanded and cannot be refused, for alleged improvements and discoveries, that have not the slightest claim to originality; yet the citizens, in general, are disposed to submit to the imposition rather than undertake to vindicate their common right by an appeal to a judicial tribunal. It is believed that augmenting the Treasury fee, would, in a great measure, remedy these evils, and afford additional security to patentees who merit protection.

It is also respectfully submitted, whether it would not be advantageous, to publish, annually, a list of all the patents that had expired during the previous year. It is known that individuals have been imposed on by persons selling patent rights after they had expired. Such a publication would put a stop to impositions of this kind.

All the papers, drawings, and models, in the office, are now classified and arranged in such a manner, that any one of them called for, can immediately be produced. A record of all the patents seems the only thing wanting to place the establishment on a respectable footing; and when it is considered that one tenth part of the patent fees paid into the Treasury beyond what the office has cost the Government, would be adequate to defray the expense, it is to be hoped this object will not remain much longer unaccomplished.

At present the Patent office is a source of revenue, which, it is presumed, the framers of its laws never intended; and the compensation received by those connected with it, is believed to be less in proportion to their labour and responsibility, than that in any other office of the Government within the District: said compensation having been fixed when neither the labor nor responsibility was one-fourth of what it is at present. It is, therefore, humbly hoped that Congress, in its wisdom, will take the subject into consideration; revise the whole system; and appropriate as much of its income, as may seem expedient, to the extension of its utility, and the adequate compensation of those whose time and talents are devoted to its interest. Unfortunately an opinion seems to have prevailed, that the establishment was not of sufficient importance to require any particular legislative attention. Should Congress see proper to appoint a committee of their honorable body, to examine its present condition, perhaps the report of that committee would induce a different impression: and if viewed in relation to those useful arts and manufactures that are becoming every day of more importance to this great and growing empire, its protection and encouragement must, undoubtedly, appear an object of national importance.

All which is respectfully submitted.

Patent Office, December 1st, 1831.