

99,384.—FIRE-PLACE GRATE.—Wm. E. Whitehurst, Norfolk, Va. Antedated Jan. 20, 1870.
99,385.—CLOTHES-LINE CLAMP.—Geo. W. Wilbar, Taunton, Mass.
99,386.—ELECTRIC CLOCK.—Elisha Wilson, New York city.
99,387.—COMPOUND FOR BATING AND RAISING HIDES.—G. W. Adler (assignor to himself and George Bochius), Philadelphia, Pa.
99,388.—WAGON-TONGUE SUPPORT.—Isaac Albright, Jr., and J. Y. Bloomingdale, New Salem, N. Y.
99,389.—TOY PROPELLER.—A. M. Allen, New York city.
99,390.—PRUNING KNIFE.—Henry Alter, Lakeport, Cal.
99,391.—WOOD PAVEMENT.—W. W. Ballard, Elmira, N. Y.
99,392.—TOOL FOR TONGUEING AND GROOVING.—Edward F. Bengler (assignor to himself and G. S. Post), Williamsport, Pa.
99,393.—BILLIARD CUSHION.—John Berlien, Chicago, Ill.
99,394.—APPARATUS FOR CENTERING SHANKS OR EYES IN BUTTONS.—W. H. Blake (assignor to himself and C. M. Mitchell, Waterbury, Conn.
99,395.—PRINTING PRESS.—T. W. Bracher, New York city.
99,396.—HYDRANT.—T. C. Bride, Quincy, Ill.
99,397.—HARVESTER RAKE.—Cyrus Buckwalter, Davenport, Iowa.
99,398.—MITER-BOX.—John Bullard, Hyde Park, Vt.
99,399.—FIRE ESCAPE.—Wm. Burditt and G. H. Burditt, Boston, Mass.
99,400.—LOCK SPINDLE FOR SAFES.—A. G. Burton, Rochester, N. Y.
99,401.—PRINTING TELEGRAPH.—E. A. Callahan, Brooklyn, N. Y.
99,402.—MACHINE FOR FORMING SHEET METAL TUBING.—Mortimer M. Camp (assignor to himself, D. Goffe Phipps, and E. I. Foote), New Haven, Conn.
99,403.—SUBMERGED PUMP.—Perrin H. Cardwell, Knoxville, Tenn. Antedated January 27, 1870.
99,404.—APPARATUS FOR BINDING GRAIN.—George W. Chandler, Mason, N. H., assignor to himself, Henry I. Whitney, same place, and Albert A. Whitney, Battle Creek, Mich.
99,405.—CARRIAGE HUB.—John P. Chandler, Wilton, Me. Antedated January 23, 1870.
99,406.—METHOD OF AERIAL TRANSIT.—Robert A. Chesebrough, New York city. Antedated January 24, 1870.
99,407.—OIL CAN.—P. C. Clark, Philadelphia, Pa.
99,408.—APPARATUS FOR ADMINISTERING MEDICATED VAPOURS.—J. C. Cook, New Haven, Conn.
99,409.—MACHINE FOR PLANING IRON.—Alfred B. Couch, Worcester, Mass.
99,410.—SOLDERING MACHINE.—E. T. Covell, Brooklyn, N. Y.
99,411.—MACHINE FOR JOINTING BARREL STAVES.—Harry A. Crossley, Cleveland, Ohio, assignor to himself and Ada D. Crossley.
99,412.—WATERPROOF STOCKING.—Frederick Curtis, Boston, Mass.
99,413.—SPRING BOLT AND CLIP.—John Deeble, Plantsville, Conn.
99,414.—ELECTRO-MAGNETIC MACHINE FOR MEDICAL PURPOSES.—Luis Drescher, New York city.
99,415.—FURNACE FOR MELTING AND REFINING IRON AND OTHER METALS.—Adolph Faber Du Faur, New York city.
99,416.—CLASP FOR TRUNKS, ETC.—Theodore R. Dunham, Newark, N. J.
99,417.—MILK BOX.—C. W. Eastwood, New York city.
99,418.—ADJUSTMENT OF WHEELS ON THE AXLES OF RAILWAY CARS.—Richard Eaton, Eaton Lodge, England.
99,419.—COOKING STOVE.—George M. Eckert, St. Louis, Mo.
99,420.—HANDLE FOR CHILDREN'S CARRIAGES.—R. G. Elder, New York city.
99,421.—FOUR-WHEEL PROPELLER.—R. G. Elder, New York city.
99,422.—JOURNAL BOX.—Seth C. Ellis, Jersey City, N. J.
99,423.—VALVE OF ROTARY ENGINE.—Walter Fitzgerald, Boston, Mass.
99,424.—RAILWAY CAR BRAKE.—Wm. G. Foster, Apalachin, N. Y.
99,425.—CIRCULAR KNITTING MACHINE.—William Franz and William Pope, Crestline, Ohio.
99,426.—CIRCULAR KNITTING MACHINE.—William Franz and William Pope, Crestline, Ohio.
99,427.—MANUFACTURE OF FLOUR.—William Freudenau, St. Louis, Mo.
99,428.—ATTACHING THE MAIN SPRING OF WATCHES.—Charles D. P. Gibson, Boston, Mass.
99,429.—VENTILATOR.—Robert A. Goodyear, Binghamton, N. Y.
99,430.—SPRING MOTOR.—Richard Grimm, New York city.
99,431.—LEATHER SAMMIE.—D. C. Guttridge (assignor to himself and R. A. Dunc, Pittsburgh, Pa.
99,432.—SHEATHING BOARD FOR BUILDINGS.—W. E. Hale, Chicago, Ill. Antedated August 1, 1869.
99,433.—ELEVATOR.—Melancthon Hantord, Boston, Mass.
99,434.—FLY NET FOR HORSES.—Jacob M. Harman, Orangeville, Pa.
99,435.—SUPPORTING COLUMN FOR ELEVATED RAILWAYS.—Charles T. Harvey, Tarrytown, N. Y.
99,436.—COOKING STOVE.—Levi Hermance, Lansingburg, N. Y.
99,437.—CHAMBER PAIL.—George A. Higgins, New York city.
99,438.—COFFEEPOT.—George Hotte, New York city.
99,439.—HARVESTER GEARING FOR CHANGING SPEED.—Moses G. Hubbard, Syracuse, N. Y.
99,440.—SCHOOL DESK.—A. J. Hull (assignor to Novelty Iron Works Manufacturing Company), Sterling, Ill.
99,441.—CHAIR BOTTOM.—Platt C. Ingersoll, Green Point, N. Y.
99,442.—LANTERN.—John H. Irwin, Philadelphia, Pa.
99,443.—LAMP BURNER.—John H. Irwin, Philadelphia, Pa.
99,444.—HARVESTER DROPPER.—Cyreneus D. Jeffries, Wooster, Ohio.
99,445.—ROCKING CHAIR.—Olaus Jensen, Christian, Norway, Antedated January 24, 1870.
99,446.—DOVETAILING MACHINE.—Dedrick Jordan, Charles-town, Mass., assignor to A. S. & J. Gear & Co., New Haven, Conn.
99,447.—SADDLE TREE.—Israel Landis, St. Joseph, Mo.
99,448.—SPRING HOLDER FOR WAGON SEATS.—James A. LeForgee, Decatur, Ill.
99,449.—HAY FORK.—James E. Lobdell and Leroy H. Smith, Center Lisle, N. Y.
99,450.—WASHING MACHINE.—Peter Lockie, Rochester, N. Y.
99,451.—HARVESTER.—Wm. R. Low and Augustus Adams, Sandwich, Ill.
99,452.—FERTILIZER, OR FISH GUANO.—Orazio Lugo, Baltimore, Md.
99,453.—HINGE FOR SHOW CASES.—John McAdams, Brooklyn, N. Y.
99,454.—COMBINED FAUCET, MEASURE, AND FUNNEL.—Thos. McMahon, Williamsburgh, N. Y.
99,455.—EXTENSION BEDSTEAD.—Frederick Menzer, San Francisco, Cal.
99,456.—METALLURGIC FURNACE.—James Montgomery, Sing Sing, N. Y.
99,457.—HORSE HAY RAKE.—John Morgan and Wm. Cline, Jun., Clayton, Ind. Antedated January 24, 1870.
99,458.—HAT-SHAPING MACHINE.—Jean Prosper Marlot, Paris, France.
99,459.—STOVEPIPE JOINT.—H. B. Morrison, Le Roy, N. Y.
99,460.—DEVICE FOR HOLDING TOGETHER THE DIFFERENT PARTS OF BUREAUS AND OTHER ARTICLES OF FURNITURE.—D. A. Mulane and J. O. L. Murray, New Orleans, La.
99,461.—LIGHTNING ROD.—David Munson, Indianapolis, Ind. Antedated Jan. 26, 1870.
99,462.—PHOTOGRAPHIC PRINTING FRAME.—Peter Murphy (assignor to E. and H. T. Anthony & Co.), New York city.
99,463.—CORN HARVESTER.—William Murray, Alexandria, Va.
99,464.—MEDICAL COMPOUND FOR CURE OF DROPSY.—Jasper Newton and Ira Barfield, Richland parish, La.
99,465.—THRILL COUPLING.—Fred Norris, Freedom Plains, N. Y.
99,466.—BOOT AND SHOE SHAVE.—Sumner Packard, Grafton, Mass.

99,467.—TOOTH FOR GRAIN DRILLS.—Chas. E. Patric, Macedon, N. Y.
99,468.—MANUFACTURE OF SOAP.—H.A. Pease, Hartford, Conn. Antedated Jan. 21, 1870.
99,469.—GRAIN FAN.—Isaac Pennington, Tiffin, Ohio.
99,470.—COMPOUND TOOL.—A. S. Perham (assignor to himself, Alonzo Bell, and Amos Hadley), Washington, D. C.
99,471.—RAILWAY CATTLE CAR.—Charles F. Pike, Providence, R. I., assignor to Henry C. Mahurin and Charles Smead, Boston, Mass.
99,472.—SELF-FEEDING WOOD AND COAL COOKING STOVE.—J. F. Pond, Cleveland, Ohio.
99,473.—SPRING-HEADED SCREW BOLT.—D. R. Pratt, New York city.
99,474.—OILCLOTH CUTTER.—Jonas Rauch, Selin's Grove, Pa.
99,475.—RAILWAY CAR SPRING.—F. W. Rhineland, New York city.
99,476.—CLAMP FOR FORMING HORSESHOE CALKS.—Jeremiah Rhoads, Niles, Mich.
99,477.—FLOORING SET.—T. M. Richardson, Stockton, Me.
99,478.—SHOULDER BRACE.—S. S. Ritter, Philadelphia, Pa.
99,479.—DECORATIVE SLAB FORMED FROM PLASTIC MATERIALS.—Edwin Robbins, Somers Town, England. Patented in England, Jan. 6, 1869.
99,480.—KNIFE-CLEANING MACHINE.—Thomas Roberts, Lynn, Mass. Antedated Jan. 24, 1870.
99,481.—SEWING MACHINE FOR MAKING GLOVES.—Bruno Rudolph, Berlin, Prussia.
99,482.—LAMP.—J. F. Russell, Washington, D. C.
99,483.—WAGON JACK.—P. B. Russell, Malone, N. Y.
99,484.—HASP FOR TRUNK LOCKS.—A. V. Ryder, New York city.
99,485.—METHOD OF PROTECTING THE ENDS OF VULCANIZED INDIA-RUBBER OR COMBINATION HOSE.—Junius Schenck, Brooklyn, N. Y.
99,486.—HEAD BLOCK FOR SAW MILLS.—G. Selden and O. C. Briggs, Erie, Pa., assignors to Geo. Selden.
99,487.—COMPOUND FOR COLORING AND PRESERVING THE HAIR.—Gibson Smith, Groton Junction, Mass.
99,488.—DRYER.—M. P. Smith, Baltimore, Md.
99,489.—STOVEPIPE SHELF.—Job Smythe, Willing, and C. Dexter, Independence, N. Y.
99,490.—COMBINED HEDGE TRIMMER AND STALK CUTTER.—J. G. Sprague, Lexington, Ill.
99,491.—PARLOR COOK STOVE.—David L. Stiles, Rochester, N. Y.
99,492.—SCAFFOLD.—Henry Swineford, Mifflinburg, Pa.
99,493.—TUNNELING RIVERS.—William Sykes, Sheffield, England.
99,494.—TWINE CUTTER.—George C. Taft, Worcester, Mass. Antedated Jan. 21, 1870.
99,495.—MACHINE FOR DRILLING METALS.—G. C. Taft (assignor to T. H. Dodge), Worcester, Mass.
99,496.—DYE FOR COLORING WOOL.—G. W. Talbot, Providence, R. I.
99,497.—PAINT FOR SHIPS' BOTTOMS.—T. D. Teal, Philadelphia, Pa. Antedated Jan. 24, 1870.
99,498.—SEED SOWER.—J. H. Thomas, Springfield, Ohio.
99,499.—COTTON PLANTER.—T. T. Thorne and G. T. Thorne, Whitaker's Station, N. C.
99,500.—MANUFACTURE OF OILS FROM PETROLEUM.—Charles Toppan, Wakefield, Mass.
99,501.—CORN HARVESTER.—J. H. L. Tuck, Ottawa, Ill.
99,502.—MILK TEMPERING AND COOLING APPARATUS.—I. B. Tuttle, Conewango, N. Y.
99,503.—DRAWING FRAME FOR FLAX, HEMP, ETC.—C. Wall, New York, and John Stewart, Brooklyn, N. Y.
99,504.—BRECH-LOADING FIRE-ARM.—W. G. Ward, Edge-water, N. Y.
99,505.—REVOLVING FIRE-ARM.—Rollin White, Lowell, Mass.
99,506.—RAKE FOR HARVESTERS.—W. N. Whiteley, Springfield, Ohio.
99,507.—SHINGLE MACHINE.—Dunham Wilkes, Nineveh, Ind.
99,508.—SWIVEL SHACKLE.—W. Williams (assignor to himself and D. Harrington), Vallejo, Cal.
99,509.—CAR BRAKE AND STARTER.—J. W. Wilson, New York city.
99,510.—PADDLE WHEEL.—Adam Wingard, San Francisco, Cal.
99,511.—SELF-ACTING MULES FOR SPINNING.—Ed. Wright, Worcester, Mass.
99,512.—BROOM FOR STABLES, ETC.—Thomas Wright (assignor to J. A. Holmes), New York city.
99,513.—STONE-CUTTING MACHINE.—Hugh Young, Middletown, Conn., and J. L. Young, New York city.
99,514.—TOOL FOR CUTTING STONE, ETC.—Hugh Young, Middletown, Conn., and J. L. Young, New York city.
99,515.—RAILWAY BRAKE SHOE.—E. H. Zitzman (assignor to A. A. Freeman), Philadelphia, Pa.
99,516.—MOLDBOARD FOR PLOWS.—F. E. Sessions and S. A. Knox, Worcester, Mass.
99,517.—BOOTJACK.—Chas. Brown, Charlottesville, Va.
99,163.—ROLLER FOR FLUTING MACHINES.—H. G. Pearson, New York city. Patented Dec. 21, 1869.

REISSUES.

3,813.—VARNISH.—D. R. Averill, New Centreville, N. Y. Division A.
3,814.—MANUFACTURE OF VARNISH.—D. R. Averill, New Centreville, N. Y. Division B.
3,815.—COOKING STOVE.—Esek Bussey and C. A. McLeod, Troy, N. Y., assignees of Esek Bussey.
3,816.—TREATMENT OF LEATHER.—N. C. Russell, Gloversville, N. Y.
3,817.—REFLECTOR FOR LAMPS.—W. G. Schmidlin and J. W. Driscoll, New York city.
3,818.—NEEDLE FOR SEWING MACHINES.—H. G. Suplee, San Francisco, Cal. Division A.
3,819.—NEEDLE FOR SEWING MACHINES.—H. G. Suplee, San Francisco, Cal. Division B.
3,820.—PRINTING TELEGRAPH.—The Gold and Stock Telegraph Company, New York city, assignees by mesne assignments, of T. A. Edison.

DESIGNS.

3,827.—STOOL PAN AND ITS COVER.—John Clarke, Boston, Mass.
3,828.—ORNAMENTING GLASSWARE.—J. H. Hobbs, Wheeling, W. Va.
3,829.—ORNAMENTING GLASSWARE.—William Leighton, Jr., Wheeling, W. Va.
3,830 to 3,832.—CARPET PATTERN.—Charles T. Meyer, Newark, N. J., assignor to Edward C. Sampson, New York city. Three Patents.
3,833.—SASH OR SHUTTER LIFT.—Emery Parker (assignor to The Russell & Erwin Manufacturing Company), New Britain, Conn.
3,834.—STEM FOR GLASSWARE.—Daniel C. Ripley, Birmingham, Pa.
3,835.—MEDAL OF ELIAS HOWE, JR.—Allen B. Stockwell, New York city, sole surviving administrator of the estate of Elias Howe, Jr., deceased.
3,836.—BOTTLE.—L. J. Wicks, Bridgeton, N. J., assignor to himself, Wm. Selsler, C. N. Selsler, J. A. Selsler, G. W. Turner, and J. H. Poole.

Inventions Patented in England by Americans.

[Compiled from the "Journal of the Commissioners of Patents."]
PROVISIONAL PROTECTION FOR SIX MONTHS.

3,776.—MANUFACTURE OF IRON AND STEEL.—H. Spencer and L. K. Taylor, Philadelphia, Pa. December 30, 1869.
3,780.—ELECTRO-MAGNETIC ENGINE.—L. Bastet, New York city. Dec. 31, 1869.
8.—HARNES.—J. B. Crosby, Boston, Mass. Jan 1, 1870.
16.—BALE TRES.—E. S. Lenox, New Brighton, N. Y. January 3, 1870.
17.—ELECTRO-MAGNETS, AND THE APPLICATION THEREOF FOR OBTAINING MOTIVE POWER.—H. M. Palce, Newark, N. J., and M. S. Frost, New York city. January 3, 1870.
43.—SEWING MACHINE.—Hiram Plummer, Brooklyn, N. Y. January 5, 1870.
59.—LAWN-MOWING MACHINE.—Samuel Coit, Hartford, Conn. January 7, 1870.

Business and Personal.

The Charge for Insertion under this head is One Dollar a Line. If the Notices exceed Four Lines, One Dollar and a Half per line will be charged.

The paper that meets the eye of manufacturers throughout the United States—Boston Bulletin, \$400 a year. Advertisements 17c. a line. See advertisement of Thomas' Lathes in another column.
Manufacturers of Gas Machines address, with circulars, Box 436, Central City, Col.
American Boiler Powder—A safe, sure, and cheap remedy for scale. Send for circular to Am. B. P. Co., P. O., Box 315, Pittsburgh, Pa.
Manufacturers of rock drills for testing mineral land, please send circulars and price lists to Alfred Wilkin, Toledo, Ohio.
Wanted—Horse-power for ginning cotton. Also, cotton presses. Send circulars, with prices, to O. T. Gibbs, Augusta, Ga.
Chas. Wheeler, Mt. Gilead, Ohio, desires to know where he can procure the easiest kind of crutches. He would prefer those that can be folded, so as to be placed under the seat of a car or couch, if such are made.
Freightcars, changeable gage, wanted. W. C. Welles, Glasgow, Ky
For Sale—Portable engine, nearly new, 4-horse power. Address A. C. C., Postoffice, Hackensack, N. J.
Hornby Mill wanted.—Send circular, with prices, to Joseph Koib, New Richmond, Ohio.
I guarantee my staple machine to make 200 to 400 lbs. gate, door, and lock staples from 3-16 to 1/4-in iron in one day. For machines with State rights, address Wesley Malick, Patentee, Erie, Pa.
Peck's patent drop press. Milo Peck & Co., New Haven, Ct.
Anti-friction Horse-powers, for from one to eight horses. This power, as now made, is the easiest of draft for the amount of work done and we recommend it to all who want a strong machine. Prices reduced. Send for a circular to R. H. Allen & Co., Postoffice Box 376, New York.
Consumption, Catarrh, Bronchitis, and all diseases of the throat and lungs cured by using Dr. Carpenter's Compound Medicated Inhalations. Send for pamphlet to Dr. Carpenter, Newark, N. J.
Shawl Pin.—Patent for new shawl pin for sale, or license to manufacture. See advertisement on another page.
Carter's Combined Writing and Copying Ink, manufactured in Boston, is an excellent article. It can be had of J. P. Dinsmore, 36 Dey st., this city.
Right for Sale.—Best thing out. Self-governing action and re-action water wheel. Will vent large or small volume of water. Address Wm. E. Hill, Erie, Pa.
80 acres, having a 50-horse water-power in one of the best counties of Iowa, for sale by D. C. Baker, Ottawa, Ill.
Moore's substitute for Stove Grates. Cheaper, better, and more durable. Patented Jan. 25th. The Fire is more easily kindled and perpetuated. Economy and household comfort are promoted. For circulars, with illustration, address G. R. Moore, 1732 Catharine st., Phila., Pa.
For Hub-mortising Machines, address Exeter Machine Works, Exeter, N. H.
Cold Rolled—Shafting, piston rods, pump rods, Collins pat. double compression couplings, manufactured by Jones & Laughlins, Pittsburgh, Pa.
An Experienced Mechanical Draftsman desires a situation. Address R. F. Thomas, 513 Brown street, Philadelphia, Pa.
Round and Square decarbonized bar and sheet steel, in lots to suit, 11c. per pound. Philip S. Justice, 42 Cliff st., N. Y.; 14 N. 5th st., Phila.
G. W. Lord's Boiler Powder, 107 W. Girard ave. Phila., Pa., for the removal of scale in steam boilers is reliable. We sell on condition.
Aneroid Barometers made to order, repaired, rated, for sale and exchange, by C. Grieshaber, 107 Clinton st., New York.
For best quality Gray Iron Small Castings, plain and fancy Apply to the Whitneyville Foundry, near New Haven, Conn.
Keuffel & Esser, 71 Nassau st., N. Y., the best place to get 1st-class Drawing Materials, Swiss Instruments, and Rubber Triangles and Curves
Foot Lathes—E. P. Ryder's improved—220 Center st., N. Y.
Those wanting latest improved Hub and Spoke Machinery, address Kettenring, Strong & Lauster Defiance Ohio.
For tinmams' tools, presses, etc., apply to Mays & Bliss, Brooklyn, N. Y.
Mill-stone dressing diamond machine, simple, effective, durable. Also, Glazier's diamonds. John Dickinson, 64 Nassau st., New York.
Glynn's Anti-Incrustator for Steam Boiler—The only reliable preventative. No foaming, and does not attack metals of boiler. Liberal terms to Agents. C. D. Fredricks, 587 Broadway, New York.
For solid wrought-iron beams, etc., see advertisement. Address Union Iron Mills, Pittsburgh, Pa., for lithograph, etc.
Machinists, boiler makers, tanners, and workers of sheet metals read advertisement of the Parker Power Presses.
Diamond carbon, formed into wedge or other shapes for pointing and edging tools or cutters for drilling and working stone, etc. Send stamp for circular. John Dickinson, 64 Nassau st., New York.
To ascertain where there will be a demand for new machinery or manufacturers' supplies read Boston Commercial Bulletin's manufacturing news of the United States. Terms \$400 a year.

APPLICATIONS FOR EXTENSION OF PATENTS.

EXCAVATING SCOOPS.—John Taggart, of Boston, Mass., has petitioned for an extension of the above patent. Day of hearing May 4, 1870.
SAW MILL DOGS.—George W. Hill, of Olean, N. Y., has applied for an extension of the above patent. Day of hearing April 30, 1870.
BOOT TRES.—Charles T. Eames, of Milford, Mass., has petitioned for the extension of the above patent. Day of hearing May 11, 1870.
ELECTRO-MAGNETIC PRINTING TELEGRAPH.—Henry N. Baker, Binghamton, N. Y., has applied for an extension of the above patent. Day of hearing April 13, 1870.
MODE OF ATTACHING SLEIGH BELLS TO STRAPS.—Abner G. Bevin, of East Hampton, Conn., has petitioned for an extension of the above patent. Day of hearing July 6, 1870.
ODOMETERS AND COUNTING MACHINES.—J. Lloyd Martin, of Baltimore, Md., has applied for an extension of the above patent. Day of hearing June 1, 1870.