

98,368.—PUMP.—Isaac N. Forrester, Bridgeport, Conn.
 98,369.—HANDLE FOR CUTLERY.—J. D. Frary, New Britain, Conn.
 98,370.—GANG PLOW.—E. E. Gore, Phoenix, Ind.
 98,371.—STEAM STEERING APPARATUS.—John McFarlane Gray, Liverpool, England.
 98,372.—VENTILATOR.—B. R. Hawley, Normal, Ill.
 98,373.—CONCRETE BLOCKS FOR BUILDING AND OTHER PURPOSES.—Thomas Heap, St. Joseph, Mo.
 98,374.—GRAIN DRYER.—H. B. Hebert, New York city.
 98,375.—PHOTOGRAPHIC PAPER.—H. M. Hedden, Worcester, Mass.
 98,376.—METHOD OF FORMING THE HEADS OF CARRIAGE SPRINGS.—B. T. Henry, New Haven, Conn.
 98,377.—CAR COUPLING.—T. R. Herd, Allegheny, Pa.
 98,378.—RAILWAY CAR TRUCK.—George Herrick, Waverly, N. Y.
 98,379.—CARRIAGE JACK.—Francis Hovey, New York city.
 98,380.—SASH HOLDER.—R. B. Huguin, Cleveland, Ohio.
 98,381.—RENDERING SAFES, VAULTS, AND CHESTS FIRE-PROOF.—Theodore Hyatt, New York city.
 98,382.—NITRO GLYCERIN COMPOUND FOR BLASTING.—John Horsley, Cheltenham, England.
 98,383.—LANTERN.—John Hughes, Buchanan, Pa.
 98,384.—CURTAIN FIXTURE.—M. G. Imback, Bethlehem, Pa. Antedated Dec. 18, 1869.
 98,385.—MECHANICAL MOVEMENT FOR ACTUATING PRESSES.—P. C. Ingersoll (assignor to himself and H. F. Dougherty), Green Point, N. Y.
 98,386.—QUILTING FRAME AND CLOTHES DRYER.—John G. Ishler, Martinsville, Ill.
 98,387.—BLEACHING COTTON AND WOOLEN FABRICS.—John Jeanning, Plainville, Conn., assignor to himself and R. B. Prindle, Washington, D. C.
 98,388.—HOISTING MACHINE.—George Johnson, Cincinnati, Ohio. Antedated Dec. 17, 1869.
 98,389.—RUFFLING ATTACHMENT FOR SEWING MACHINES.—A. C. Kesson, Milwaukee, Wis.
 98,390.—SEWING MACHINE.—Thomas Lamb, Philadelphia, Pa.
 98,391.—LADIES' BOOT.—William Love, McConnellsville, Ohio.
 98,392.—WATER-WHEEL.—Thomas Lowden (assignor to himself, George Stout, and R. J. Lowden), Boston, Mass.
 98,393.—ADJUSTABLE WRNCH.—James Magee, (assignor to himself and S. A. Alpin), Usquepaugh, R. I.
 98,394.—HARVESTER.—L. J. McCormick, Lambert Erpelding, and W. R. Baker (assignors to C. H. McCormick & Brother), Chicago, Ill.
 98,395.—WASHING MACHINE.—W. T. McKean, East Palestine, Ohio.
 98,396.—CUTTER HEAD.—R. N. Meriam, Worcester, Mass.
 98,397.—HORSE HAY FORK.—J. A. Miller, Shippensburg, Pa. Antedated Dec. 18, 1869.
 98,398.—CLOTHES DRYER.—R. M. Miller, Port Andrew, Wis.
 98,399.—VENTILATOR.—C. J. Neger, Philadelphia, Pa.
 98,400.—SALVE.—W. W. Oglesbey, Benton county, Oregon.
 98,401.—BED BOTTOM.—O. S. Osgood, Burlington, Iowa.
 98,402.—DEVICE FOR LUBRICATING JOURNALS.—Addison Overbath, Scranton, Pa.
 98,403.—WINDOW BLIND.—Lindon Park, Brady, Pa.
 98,404.—SOLAR CAMERA.—Isaiah Paxson and Charles Paxson, New York city.
 98,405.—EXTINGUISHER.—S. W. Perkins, Geneseo, Ill.
 98,406.—LOCK.—N. Petre, New York city.
 98,407.—SEED AND GRAIN SEPARATOR.—J. F. Pool, Monroe, Wis.
 98,408.—NOZZLE FOR OIL CANS.—Chas. Pratt, New York city.
 98,409.—THREAD CONTROLLER FOR SEWING MACHINE.—G. M. Pratt and L. E. Maynard (assignors to the Finkle and Lyon Manufacturing Company), Middletown, Conn.
 98,410.—KNITTING MACHINE.—A. B. Prouty, Worcester, Mass., assignor to Samuel V. Essick, Mansfield, Conn.
 98,411.—HYDRANT.—D. J. Pruner, Bellefonte, Pa.
 98,412.—HOPPER BOY RAKE.—Aaron C. Pry, Keedysville, Md.
 98,413.—SEED SOWER.—Amos Raffensparger and D. G. S. Gochnaer, Mulberry, Pa.
 98,414.—FEED CUTTER.—J. P. Randolph, Marietta, Ohio.
 98,415.—FOLDING CHAIR.—E. C. Ranks, Boston, Mass.
 98,416.—BASE-BURNING STOVE.—S. H. Ransom, Albany, N. Y.
 98,417.—ROAD SCRAPER.—George N. Rex, Butler, Ind.

98,418.—SPRING COUPLING.—L. Rodenhausen, Philadelphia, Pa.
 98,419.—SHIP PUMP.—Benj. K. Rogers, Jonesport, Me.
 98,420.—HEAD-REST FOR CAR SEATS.—H. W. Safford, New York city.
 98,421.—CURING AND PRESERVING BUTTER.—Jacob F. Saiger, Shelby, Ohio.
 98,422.—PUMP.—Jacob Scott, Earlville, Iowa.
 98,423.—LATHE.—William Sellers, Philadelphia, Pa.
 98,424.—BASKET MACHINE.—Merville Shaffer (assignor to Ford Tanner), Lafayette, Ind.
 98,425.—MANUFACTURE OF NITRO GLYCERIN.—Taliaferro P. Shaffner, Louisville, Ky.
 98,426.—PROCESS OF PRESERVING NITROLEUM AND OTHER EXPLOSIVE LIQUIDS.—Taliaferro P. Shaffner, Louisville, Ky.
 98,427.—EXPLOSIVE COMPOUND.—Taliaferro P. Shaffner, Louisville, Ky.
 98,428.—BLASTING FUSE.—Taliaferro P. Shaffner, Louisville, Ky.
 98,429.—WELL TUBE.—James T. Shattuck, Natick, Mass. Antedated November 27, 1869.
 98,430.—MACHINE FOR PRESSING CLAY PIPES.—Thomas Shaw, Philadelphia, Pa.
 98,431.—KNIFE REST.—Daniel Sherwood, Lowell, Mass., assignor to Woods, Sherwood & Co.
 98,432.—TABLE CASTER.—Daniel Sherwood, Lowell, Mass., assignor to Woods, Sherwood & Co.
 98,433.—CARRIAGE SPRINGS.—Daniel Shockey, Waynesborough, Pa.
 98,434.—TOBACCO, HAY, AND COTTON PRESS.—Valentine J. Shryock, Folsomville, Ind.
 98,435.—WATER WHEEL.—William Slade, Sen., Gum Creek, Ga.
 98,436.—CARRIAGE AXLE.—Alfred E. Smith, Bronxville, N. Y.
 98,437.—SKATES.—Augustus B. Smith, Philadelphia, Pa.
 98,438.—PICTURE NAIL.—Friend W. Smith, Jr., Bridgeport, Conn.
 98,439.—METALLIC CARTRIDGE.—Wm. H. Smith, Charlestown, Mass.
 98,440.—CHAIR FRAME.—Wm. M. Smith, Columbus, Ohio.
 98,441.—TAG FOR MAIL BAGS.—C. A. Snyder, Richmond, Va.
 98,442.—APPARATUS FOR PRODUCING AND CARBURETING HYDROGEN GAS.—John H. Steiner (assignor to himself and Christian Sharp), Philadelphia, Pa. Antedated December 22, 1869.
 98,443.—CARRIAGE.—Lewis Theobald, Bremen, Ind.
 98,444.—MACHINE FOR MAKING RAILROAD SPIKES.—Leopold Thomas, Pittsburgh, Pa.
 98,445.—SODA WATER APPARATUS.—James W. Tufts, Medford, Mass.
 98,446.—WALL FOR BUILDINGS.—M. P. Turner, Des Moines, Iowa.
 98,447.—GAGE FOR FILING SAWS.—Oliver Tyson, Otho, Iowa.
 98,448.—TICKET HOLDER.—George M. Van Buren, New York city.
 98,449.—STEAM ENGINE.—Charles C. Waggoner, St. Johns, Ohio.
 98,450.—MANUFACTURE OF PARTLY GILT FRAMES.—Washington Wallick (assignor, by mesne assignments, to Wallick & Assay), Philadelphia, Pa. Antedated December 22, 1869.
 98,451.—APPARATUS FOR FILLING VIALS.—John P. Whipple, Woonsocket, R. I.
 98,452.—FEEDING MECHANISM FOR SEWING MACHINES.—James H. Whitney, Brooklyn, N. Y.
 98,453.—STATIONERY FURNITURE.—Charles H. Wight, Baltimore, Md.
 98,454.—MACHINE FOR OPERATING CHURNS.—C. S. Williamson, Coventry, N. Y.
 98,455.—MACHINE FOR BORING BLIND STILES.—Albert M. Winn, Jefferson Kindelberger, and William Augustus Arnold (assignors to "The Inventor's Association"), San Francisco, Cal.
 98,456.—HARVESTER CUTTER.—Frederick Wittram, San Francisco, Cal.
 98,457.—APPLE CORING AND SLICING MACHINE.—Moses B. Wright, West Meriden, Conn.
 98,458.—MOUNTING WRITING SLATE.—George F. Bowman, Cleveland, Ohio.
 98,459.—CLAMPS FOR ELEVATING WELL TUBES AND RODS.—Adam Good, Jr., Titusville, Pa.

REISSUES.
 96,866.—SEWING MACHINE.—Dated November 16, 1869; reissue 3,776.—P. J. Clever, Gollard, Texas.
 77,304.—PREPARING COMPOUNDS CONTAINING COLLODION.—Dated April 28, 1868; reissue 3,777.—Division B.—John A. McClelland, Louisville, Ky.

77,304.—MATERIAL FOR FORMING DENTAL PLATES.—Dated April 28, 1868; reissue 3,778.—Division B.—John A. McClelland, Louisville, Ky.
 73,900.—CARBURETING AIR FOR THE PRODUCTION OF LIGHT AND HEAT.—Dated January 28, 1868; reissue 3,779.—Blakey Pilkington, Oakland, Cal., assignee, by mesne assignments, of James D. Jenkins.
 94,248.—FRUIT JAR.—Dated August 31, 1869; reissue 3,780.—Henry E. Shaffer, Rochester, N. Y.
 55,581.—FRUIT JAR.—Dated June 12, 1866; reissue 3,781.—Thomas H. Whitney and S. A. Whitney, Glassborough, N. J., assignees of John Focer.
 12,627.—PLOW.—Dated April 3, 1855; extended seven years; reissue 3,782.—Thomas J. Hall, Bryan, Texas, for himself and Henry P. Stockton and Robert P. Lane, Rockford, Ill., assignees of Thomas J. Hall.
 80,865.—PRINTING PRESS.—Dated August 11, 1868; reissue 3,783.—J. M. Jones, Henry Johnson, and George M. Bowman, Palmyra, N. Y., assignees of J. M. Jones.

DESIGNS.
 3,807.—BADGE.—Abraham Demarest, New York city.
 3,808.—KEY.—Emery Parker, New Britain, Conn.
 3,809.—STRIKER-PLATE FOR A LOCK.—Emery Parker (assignor to Russell and Erwin Manufacturing Company), New Britain, Conn.

TREATING OILS.—Philo Marsh, South Adams, Mass.—Letters Patent No. 14,042, dated January 1, 1866.
 METHOD OF OPERATING AND LUBRICATING SLIDE VALVES.—James Cochrane, New York city.—Letters Patent No. 14,010, dated January 1, 1866.

APPLICATIONS FOR EXTENSION OF PATENTS.
 ORE WASHER.—William L. Carter, Marietta, Pa., has petitioned for the extension of the above patent. Day of hearing, Feb. 23, 1870.
 MACHINE FOR CUTTING LOAF SUGAR.—Adolph Brown and Felix Brown, New York city, has applied for an extension of the above patent. Day of hearing March 9, 1870.
 FIREPLACE.—Alice Dodge, of Pittsburgh, Pa., administratrix of Calvin Dodge, deceased, has applied for an extension of the above patent. Day of hearing March 2, 1870.
 SURFACE CONDENSERS FOR STEAM ENGINES.—D. D. Foley, Washington D. C., assignee, by mesne assignments, of James M. Miller, has petitioned for an extension of the above patent. Day of hearing May 4, 1870.
 METHOD OF COOLING AND VENTILATING ROOMS, ETC.—Azul S. Lyman, New York city, has applied for an extension of the above patent. Day of hearing March 9, 1870.
 GRAIN SEPARATOR.—Cyrus Roberts, Three Rivers, Mich., and John Cox, Newhope, Pa., have petitioned for an extension of the above patent. Day of hearing March 9, 1870.
 HERMETICALLY SEALING PRESERVE CANS.—Charles Branwhite, New York city, has petitioned for the above patent. Day of hearing March 9, 1870.
 MACHINE FOR MAKING CARPET LINING.—John R. Harrington, Brooklyn N. Y., has applied for an extension of the above patent. Day of hearing March 16, 1870.

Inventions Patented in England by Americans.
 (Compiled from the "Journal of the Commissioners of Patents.")
 PROVISIONAL PROTECTION FOR SIX MONTHS.
 3,411.—ROCK-BORING MACHINERY.—Charles Burleigh, Fitchburg, Mass. November 25, 1869.
 3,461.—BEDSTEDS AND GUARDS.—C. H. Hudson, New York city. Nov. 30, 1869.
 3,462.—ELLIPTIC SPRINGS AND APPARATUS THEREFOR.—B. T. Henry, New Haven, Conn. November 30, 1869.
 3,477.—CURING SPONGE.—W. H. Spencer, New York city. December 1, 1869.
 3,515.—FLUID LENSES.—D. A. Woodward, Baltimore, Md. December 4, 1869.
 3,527.—GRAIN HULLER.—J. T. Prince, Boston, Mass. December 6, 1869.
 3,579.—SAW, SAW TEETH, AND MACHINERY THEREFOR.—S. G. Arnold Providence, R. I. November 23, 1869.
 3,586.—APPARATUS FOR GRINDING SAWS.—H. Disston, Philadelphia, Pa. November 23, 1869.
 3,596.—APPARATUS FOR LIGHTING AND EXTINGUISHING GAS BY ELECTRICITY.—New England Electric Gas Lighting Company, Boston, Mass. November 24, 1869.
 3,441.—SEWING MACHINE.—L. Melone, Mount Gilead, Ohio. November 27, 1869.
 3,456.—JOURNAL BEARING.—I. P. Wendell and S. P. M. Tasker, Philadelphia, Pa. November 29, 1869.

Advertisements.

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