

106,366.—MANUFACTURE OF BOOT AND SHOE SOLES.—Eugene Ibois, Paris, France.
106,367.—RAILWAY CAR COUPLING.—J. H. Johnson, Dresden, Mo.
106,368.—KEY HOLE GUARD.—J. H. Jones, Binghamton, N. Y.
106,369.—EGG CARRIER.—E. E. Josef, St. Louis, Mo.
106,370.—SEPARATOR ATTACHMENT TO THRASHING MACHINES.—M. A. Keller, Littlestown, Pa.
106,371.—WATCH MAKING TOOL.—M. D. Kelly, Cadiz, Ky.
106,372.—DEVICE FOR WINDING MAINSPRINGS OF WATCHES.—M. D. Kelly, Cadiz, Ky.
106,373.—AXLE GAGE.—R. C. Kelly, Brandon, Wis.
106,374.—LATH MACHINE.—J. J. Knowlton (assignor to himself and W. H. Burr), Philadelphia, Pa.
106,375.—FENCE POST.—O. L. Larkin, Otto, N. Y.
106,376.—HARROW AND CULTIVATOR.—John Lerch, Uhlersville, Pa.
106,377.—BEE HIVE.—Volney Leonard, Springfield, Pa.
106,378.—RAILWAY CARRIAGE.—A. R. Locke, Boston, Mass.
106,379.—CARRIAGE JACK.—David Marshall, Northville, Mich.
106,380.—PORTABLE GAS-PIPE VISE.—Thomas Marshall, Paterson, N. J.
106,381.—CORSET SPRING.—F. W. Marston, Philadelphia, Pa.
106,382.—BEDSTEAD FASTENING.—Pres. Maulding and J. U. Fraley, Marshall, Texas.
106,383.—GALVANIC BATTERY.—E. D. McCracken, New York city.
106,384.—PAINT BRUSH.—Alvid McDonald and J. M. White, Washington, Ill.
106,385.—HORSE HAY RAKE.—G. M. L. McMillen, Dayton, Ohio.
106,386.—MOSQUITO-NET HOLDER.—Charles Messenger, Cleveland, Ohio.
106,387.—GUIDE FOR CIRCULAR SAW.—Alexander Middlebrook, Glasgow, Mo., assignor to himself and J. B. Ruthvin.
106,388.—STEAM GENERATOR.—J. A. Miller, New York city.
106,389.—CARBURETING APPARATUS.—Joseph Millward, Fayetteville, N. Y.
106,390.—TILE CUTTING MACHINE.—O. F. Monfort, Dearborn, Mich.
106,391.—VENEERING PRESS.—John More, New York city.
106,392.—STEAM GENERATOR.—D. A. Morris, New York city.
106,393.—BOX.—John Nelson, Rockford, Ill.
106,394.—SELF-CLOSING COMPRESSION FAUCET.—Edward Noble, North Haven, Conn.
106,395.—FANNING MILL.—Harrison Ogborn, Richmond, assignor to Samuel Watson, Lewisville, Ind.
106,396.—PIANO ACTION.—C. F. Oliver, Lynn, assignor to Nathaniel Cummings, Boston, Mass.
106,397.—GROUND PULVERIZER.—E. A. Olleman, Mooresville, Ind.
106,398.—HAND STAMP.—W. E. Osborn, Brooklyn, N. Y.
106,399.—CAR COUPLING.—W. R. Patton (assignor for one-half his right to Denison Tisdale), Des Moines, Iowa.
106,400.—GOVERNOR FOR STEAM ENGINE.—A. J. Pevey (assignor for three-fourths of his right to G. F. Pottle), Boston, Mass.
106,401.—REFRIGERATOR.—Eliab Perkins, Fond du Lac, Wis.
106,402.—BOX FOR BLUING, ETC.—A. F. Pickens, New York city.
106,403.—SCHOOL DESK.—J. F. Pielh, Richmond, Ind.
106,404.—LATH.—P. H. Pitts, Waverly, Mo.
106,405.—RAMROD STOP.—S. W. Porter, Springfield, Mass.
106,406.—WAGON BRAKE.—Asahel Quimby, Salem, Mass.
106,407.—COFFEE MILL.—F. C. Richer, Glimmer, Texas.
106,408.—PORTABLE IRON DERRICK.—Samuel Rider (assignor to himself, S. R. Griffith, and A. W. Cox), Oil City, Pa.
106,409.—POUNCING MACHINE.—John Rosenkranz, Boston, Mass.
106,410.—STOVE PIPE DAMPER.—W. F. Rossman, Hudson, N. Y.
106,411.—FARM GATE.—C. W. Saladee, St. Catharines, Canada.
106,412.—RAILWAY CAR BRAKE.—E. W. Sanford, Brooklyn, N. Y.
106,413.—PARLOR GRINDSTONE.—J. M. Simpson, Oshkosh, Wis.
106,414.—WASHER AND BOILER.—John Slater, Norwich, N. Y.
106,415.—TATTING SHUTTLE.—C. H. Smith, Brooklyn, N. Y. assignor to himself and T. D. Day, Bergen Point, N. J.
106,416.—CURTAIN FIXTURE.—R. I. Smith, deceased, Wolcottville, Conn.; Elisha Turner, executor.
106,417.—COTTON AND HAY PRESS.—W. M. Smith, Augusta, Ga.
106,418.—ELECTRO-MAGNET.—W. W. Smith, Cincinnati, Ohio.
106,419.—MACHINE FOR MAKING CHAIN-LINKS.—J. H. Snyder, Troy, N. Y.
106,420.—SLIDE CHUCK FOR LATHES.—C. F. Stackpole, Woburn, Mass.
106,421.—CUTTER-HEAD FOR PLANING MACHINE.—Darius Stevens, Danbury, Conn.
106,422.—DIAPER PIN.—I. W. Stewart, New York city.
106,423.—RAILWAY SWITCH.—J. H. Stockton, Thompson, Ga.
106,424.—WATER PIPE MACHINE.—J. W. Stockwell, Portland, Maine.
106,425.—BARBERS' FURNITURE.—Otto Stoelker, Montgomery, Ala.
106,426.—CLASP FOR LIGHTNING RODS.—Richard Street, Albany, N. Y.
106,427.—PRESS FOR HAY, COTTON, ETC.—G. W. Swinebroad, Bolivar, Tenn.
106,428.—BEVERAGE, OR "CHAMPAGNE MEAD."—A. S. Taylor, San Francisco, Cal.
106,429.—GEAR FOR CARPET-SWEEPING MACHINES.—G. F. Taylor, New York city.
106,430.—DREDGE BOX.—A. F. Tripp, Buffalo, N. Y.
106,431.—SAW-FILING MACHINE.—William Tucker, Fiske-dale, Mass., assignor to himself and P. A. Saell, Pittsburg, Pa.
106,432.—REVERSIBLE CENTER PINION FOR WATCHES.—Almon Twigg, Waltham, Mass.
106,433.—PUMP.—Henry Van Keuren, Jersey City, N. J.
106,434.—RAILWAY.—Horace S. Weaver, Freeport, Pa.
106,435.—BASE-BURNING STOVE.—A. G. Webster (assignor to himself and G. T. Scudder), Troy, N. Y.
106,436.—CORN HUSKER.—Dwight F. Welsh, Bucyrus, Ohio.
106,437.—VINE CUTTER AND TRIMMER.—H. W. White, Joppa Village, Mass.
106,438.—SAW-JACK.—Abel Whitlock, Danbury, Conn.
106,439.—MACHINERY FOR WORKING HIDES, SCOURING LEATHER, ETC.—T. R. Williams, Salem, assignor to Chester Guild, Jr., Boston, Mass.
106,440.—PRESS FOR BAILING BROOM CORN.—W. J. Wilson, Coles county, Ill. Antedated July 30, 1870.
106,441.—ROTARY STEAM PLOW.—J. T. Wilson, Rochester, N. Y.
106,442.—STOVE OR FURNACE GRATE.—G. A. Wing, Albany, N. Y.
106,443.—DITCHING PLOW.—Stephen Sidney Wood, Brooklyn, N. Y.
106,444.—HAY SPREADER.—Gilbert I. Wooster, Plymouth, Conn.
106,445.—PORTABLE BATH SEAT.—Allen P. Young (assignor for one-half his right to Albert H. Spencer), Providence, R. I.
106,446.—QUILTING-FRAME HOLDER.—Nicholas Young, Parma, Mich.
106,447.—WOOD PAVEMENT.—Andy M. Adams, Washington, D. C.
106,448.—MANUFACTURE OF GLUE.—William Adamson, Philadelphia, Pa.
106,449.—MANUFACTURE OF WHEELS.—E. A. Archibald, Methuen, Mass.
106,450.—MANUFACTURE OF POCKET-BOOKS.—James C. Arms, Northampton, Mass.
106,451.—MANUFACTURING ENVELOPES.—James Ball, New York city, assignor to himself and Samuel Raynor & Co.
106,452.—EJECTOR AND STEAM CONDENSER.—Andrew Barclay, Kilmarnock, North Britain.

106,453.—CHURN DASHER.—Henry F. Bartlett, La Grange, Mo.
106,454.—AUTOMATIC LUBRICATING SLEEVE.—S. R. Bartlett, Chicago, Ill.
106,455.—FENCE.—William Bartlett, Little Hocking, Ohio.
106,456.—MODE OF ATTACHING SLEIGH-BELLS TO STRAPS. | W. E. Barton, East Hampton, Conn.
106,457.—COOKING APPARATUS.—Henry C. Berry, Wauseon, Ohio.
106,458.—MACHINE FOR CUTTING OFF SHAFTS AND PIPES AND FOR CUTTING SCREW THREADS.—George Blake, Whitby, Canada.
106,459.—LAST FOR MACHINE-SEWED TURNED SHOES.—L. R. Blake, Boston, Mass.
106,460.—DINING TABLE.—Minor P. Boyd, Unionville, S. C.
106,461.—TOY TOAD.—G. E. Bringman, Baltimore, Md.
106,462.—BREAD TOASTER.—Heman P. Brooks, Waterbury, Conn.
106,463.—DENTISTS' CHAIR.—William M. Butler, Louisville, Ky.
106,464.—COMBINED SHOVEL AND DUNG-FORK.—Jesse Carpenter, Niconza, Ind.
106,465.—PRESERVATION OF MEAT AND OTHER ARTICLES OF FOOD.—Ferdinand Cassel, Cologne, Prussia.
106,466.—MACHINE FOR SPINNING FLAX, HEMP, ETC.—H. A. Chapin, Bridgeport, Conn., assignor to William Sparks Thomson, New York.
106,467.—WRENCH.—Sylvanus Chapman, Charlestown, Mass.
106,468.—BLOCK FOR CARPET PRINTING.—Thomas Crossly, Bridgeport, Conn.
106,469.—AXLE BOX.—David Dalzell, South Egremont, Mass.
106,470.—AXLE FOR VEHICLES.—David Dalzell, South Egremont, Mass.
106,471.—RAILWAY CAR COUPLING.—Jonathan L. Devol and Atwell L. Peador, Parkersburg, West Va. Antedated August 4, 1870.
106,472.—PERMUTATION LOCK.—Charles Diebold and Jacob Obernesser (assignors to Chas. Diebold and Jacob Kienzle), Cincinnati, Ohio.
106,473.—VEGETABLE KNIFE.—Fred. Durand and Wm. F. Gilbert, Derby, Conn.
106,474.—MEDICAL COMPOUND FOR THE CURE OF GRAVEL.—T. G. Elswald, Providence, R. I.
106,475.—WRENCH.—Henry Fessler and Robert V. Jones (assignors to themselves and J. D. Graben, Canton, Ohio.
106,476.—BRUSH FOR CLEANING TUMBLERS.—Adolph Fischer, New York city.
106,477.—LOOM FOR WEAVING RATTAN.—S. L. Fitts (assignor to G. C. Winchester), Ashburnham, Mass.
106,478.—CULTIVATOR.—Julius Gerber, Rockford, Ill.
106,479.—COMPOSITION TO BE USED IN DYEING.—Franz Graupner, Evansville, Ind.
106,480.—RAILWAY SWITCH.—James T. Guthrie and Louis Pausch, Leesburg, Ohio.
106,481.—REFUelling ATTACHMENT FOR SEWING MACHINES.—H. M. Hall, New York city.
106,482.—SPALK AND KINDLING-WOOD CUTTER.—George B. Hamlin, Williamamantic, Conn.
106,483.—HORSE POWER.—George B. Hamlin, Williamamantic, Conn.
106,484.—FRUIT DRYER.—Henry Henley, Shoals, Ind. Antedated August 4, 1870.
106,485.—HOISTING JACK.—Frank Hollenberry (assignor to himself and John C. Frizzell), Frizzellburg, Md.
106,486.—JOURNAL BOX.—John Hughes, New Berne, N. C.
106,487.—COUPLING FOR WIRE RIGGING.—Wm. C. Ireland, Boston, Mass.
106,488.—SHOE.—Joseph L. Joyce, New Haven, Conn.
106,489.—HEMMING AND FELLING DEVICE FOR SEWING MACHINES.—Jacob Karr, Washington, D. C.
106,490.—BRICK MACHINE.—John Keller, Paduca, Ky.
106,491.—CENTRIFUGAL SUCTION-DRAINING MACHINE.—Hugh W. Lafferty and Robert Lafferty, Gloucester, N. J. Antedated August 5, 1870.
106,492.—WASHING MACHINE.—John L. Larose, Leavenworth, Kansas.
106,493.—ELECTRO-MAGNETIC MOTOR.—L. T. Lindsey, Jackson, Tenn.
106,494.—COMBINATION OF LABEL-HOLDER AND HANDLE.—Henry Mannek, New York city.
106,495.—SPRING FOR PISTON PACKING.—David Maydole, Norwich, N. Y.
106,496.—HANDLE FOR CASKET.—Alexander McGuire, Winchester, Conn.
106,497.—STEAM ENGINE.—Hermann Mohr, New York city.
106,498.—FLEXIBLE SHAFT.—James B. Morrison, St. Louis, Mo.
106,499.—KNITTING MACHINE.—Edward Morse, Winchendon, Mass., assignor to Hinkley Knitting Machine Co.
106,500.—SEEDER AND FERTILIZER COMBINED.—W. B. Myers, Hampton, Pa.
106,501.—NAIL.—Andrew Patterson (assignor to John Dean), Worcester, Mass.
106,502.—FIRE GRATE.—Merritt Peckham, Utica, N. Y.
106,503.—BASE-BURNING STOVE.—Merritt Peckham, Utica, N. Y.
106,504.—TOBACCO BOX OR DRUM.—John Potter, Quincy, Ill.
106,505.—HORSE-POWER.—Tapley B. Pyron, Springfield, Mo.
106,506.—DRIPPING PAN.—Adam Reid, Buffalo, N. Y.
106,507.—SHEAVE BLOCK.—T. H. Rice, Baltimore, Md.
106,508.—MANUFACTURE OF TRUSS PADS.—S. S. Ritter, Philadelphia, Pa. Antedated August 10, 1870.
106,509.—IRONING TABLE.—J. H. Ruff, Thomas Run Post-office, Md.
106,510.—GRINDSTONE JOURNAL BOX.—J. B. Sargent, New Haven, Conn.
106,511.—MORTISING MACHINE.—G. T. Savary, Newburyport, Mass.
106,512.—PROPELLING APPARATUS.—Cornelius Schilling, New York city.
106,513.—HARVESTER RAKE.—Jacobs W. Schuckers, Philadelphia, Pa.
106,514.—TOWING HOOK FOR CANAL BOATS.—L. R. Shipman, Bloomsburg, Pa.
106,515.—SPARK ARRESTER.—Jas. Smith, Altoona, Pa.
106,516.—WASH BOILER.—Oscar F. Steadman, Westfield, N. Y.
106,517.—FIRE EXTINGUISHER.—Thomas Tripp, Chicago, Ill.
106,518.—COMPOUND FOR EXTINGUISHING FIRE.—W. P. Van Deuren, Cincinnati, Ohio.
106,519.—COMBINED LATCH AND LOCK FOR GATES.—H. R. Van Eps, Peoria, Ill.
106,520.—VEGETABLE CUTTER.—Franz Wagner, New York city.
106,521.—STOVE GRATE.—R. Ward, Edinburgh, Ind.
106,522.—VAPOR BURNER.—Thomas Ward, Columbus, Ohio.
106,523.—MOTIVE POWER.—William Medd Watson, Tonica, Ill.
106,524.—SADIRON.—William Webster, Washington, D. C.
106,525.—STEAM WATER ELEVATOR.—H. M. Wightman, Boston, Mass.
106,526.—THREAD CUTTER FOR SEWING MACHINES.—C. J. Wood, Brewerton, N. Y.
106,527.—WATER-PIPE SUPPORT.—C. D. Woodruff, Toledo, Ohio.
106,528.—VENTILATOR FOR STOVEPIPES.—C. D. Woodruff, Toledo, Ohio.
106,529.—VELOCIPEDE.—Chas. Wyndham, Southover Grange, near Lewes, England.
106,530.—APPARATUS FOR RECTIFYING ALCOHOLIC LIQUORS.—C. L. Fleischmann, Cincinnati, Ohio.
REISSUES.
4,098.—STOVEPIPE THIMBLE.—T. K. Anderson, Hornellsville, N. Y.—Patent No. 41,592, dated Feb. 16, 1864.
4,099.—MACHINE FOR HUSKING CORN.—L. A. Aspinwall, Albany, N. Y.—Patent No. 101,809, dated April 12, 1870.
4,100.—CAPSTAN AND WINDLASSES.—David N. B. Coffin, Jr., Newton, and Benjamin Woodward Somerville, Mass., assignees, by mesne assignments, of David N. B. Coffin, Jr.—Patent No. 59,969, dated Nov. 27, 1856.
4,101.—SAW MILL.—Alexander McCreight, Tranquility, O.—Patent No. 82,970, dated Oct. 13, 1868.

4,102.—GHILLS FOR CASTING CAR WHEELS.—Wm. Wilming-ton, Toledo, Ohio.—Patent No. 85,046, dated December 15, 1868.
DESIGNS.
4,293.—JOURNAL BOX.—P. P. Child, St. Louis, Mo.
4,294.—CARPET PATTERN.—John Dornan, Philadelphia, Pa.
4,295.—SHADE FOR GAS OR LAMP BURNER.—John Letchworth (assignor to Hartell & Letchworth), Philadelphia, Pa.
4,296.—HAND STAMP.—J. F. Pages, San Francisco, Cal.
4,297.—TABLE CASTER.—Daniel Sherwood and G. D. Dudley, Lowell, Mass.

NEW BOOKS AND PUBLICATIONS.
THE SUNBURST
Is the title of a new literary journal, edited by our talented young friend William F. McNamara. Its design is to furnish a journal of entertainment and instruction to Irish families—something elevating in its tendencies and teachings. The first number is a good one. It goes in for temperance, and eschews politics.

APPLICATIONS FOR THE EXTENSION OF PATENTS.
MELODEON.—El Dora Louis, New York city, has petitioned for an extension of the above patent. Day of hearing Nov. 2, 1870.
ADJUSTABLE SEAT FOR CARRIAGES.—George Cook and David Cook, New Haven, Conn., has applied for an extension of the above patent. Day of hearing Jan. 18, 1871.

Inventions Patented in England by Americans.
[Compiled from the "Journal of the Commissioners of Patents."]
PROVISIONAL PROTECTION FOR SIX MONTHS.
1,987.—APPARATUS FOR REDUCING WOOD, METAL, AND OTHER HARD MATERIAL TO FIXED PATTERNS.—F. Baldwin, West Brattleboro, Vt. July 14, 1870.
1,988.—COUNTING REGISTERS.—W. H. McNary, Brooklyn, N. Y. July 14, 1870.
1,990.—SPOOL MACHINE.—J. F. C. Rider, —, N. H., and E. P. Brownell —, R. I. July 14, 1870.
2,000.—MACHINERY FOR MOLDING CLAY, ETC., INTO DRAIN PIPES AND OTHER ARTICLES.—P. S. Justice, Philadelphia, Pa. July 15, 1870.
2,030.—ROADWAYS, ETC.—H. Hughes, San Francisco, California. July 15, 1870.
2,050.—BASTERS FOR SEWING MACHINES.—F. T. Grimes, Liberty, Mo. July 20, 1870.
2,052.—OVENS.—Hosea Ball, New York city. July 20, 1870.
2,055.—RAILWAY CARRIAGE WHEELS.—A. F. Cooper, San Francisco, Cal. July 21, 1870.
2,097.—CANOPIES.—A. M. Rodgers, Brooklyn, N. Y. July 26, 1870.
2,101.—MANUFACTURING AND MOLDING SOLID COLLODION.—J. S. Hyatt and J. W. Hyatt, Albany, N. Y. July 26, 1870.

GREAT VALUE OF PATENTS.

PROBABLY no investment of a small sum of money brings a greater return than the expense incurred in obtaining a patent, even when the invention is but a small one. Larger inventions are found to pay correspondingly well. The names of Blanchard, Morse, Bigelow, Colt, Ericsson, Howe, McCormick, Hoe, and others, who have amassed immense fortunes from their inventions, are well known. And there are hundreds of others who have realized large sums—from fifty to one hundred thousand dollars—and a multitude who have made smaller sums, ranging from twenty-five thousand to fifty thousand dollars, from their patents. The first thing requisite for an inventor to know is, if his invention is patentable. The best way to obtain this information, is either to prepare a sketch and description of the invention, or construct a model, and send to a reliable and experienced patent solicitor, and ask advice. In this connection inventors are informed that

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