

U. S. Patent Office.

How to Obtain Letters Patent FOR NEW INVENTIONS.

Information about Caveats, Extensions, Interferences, Designs, Trade Marks; also, Foreign Patents.

For a period of nearly twenty-five years, MUNN & CO. have occupied the position of leading Solicitors of American and European Patents...

The important advantages of MUNN & CO.'S Agency are, that their practice has been ten-fold greater than that of any other Agency in existence...

CONSULTATIONS AND OPINIONS FREE.

Those who have made inventions and desire a consultation are cordially invited to advise with MUNN & CO. who will be happy to see them in person...

TO APPLY FOR A PATENT,

A model must be furnished, not over a foot in any dimension. Send model to MUNN & CO., 37 Park Row, New York, by express, charges paid...

The model should be neatly made, of any suitable materials, strongly fastened, without glue, and neatly painted. The name of the inventor should be engraved or painted upon it.

PRELIMINARY EXAMINATION

Is made into the patentability of an invention by personal search at the Patent Office, among the models of the patents pertaining to the class to which the improvement relates.

Inventors who employ us are not required to incur the cost of a preliminary examination. But it is advised in doubtful cases.

COST OF APPLICATIONS.

When the model is received, and first Government fee paid, the drawings and specification are carefully prepared and forwarded to the applicant for his signature and oath...

MUNN & CO. are determined to place within the reach of those who confide to them their business, the best facilities and the highest professional skill and experience.

The only cases of this character, in which MUNN & CO. expect an extra fee, are those wherein appeals are taken from the decision of the Examiner after a second rejection...

MUNN & CO. make no charge for prosecuting the rejected claims of their own clients before the Examiners and when their patents are granted...

REJECTED CASES.

MUNN & CO. give very special attention to the examination and prosecution of rejected cases filed by inventors and other attorneys.

CAVEATS

Are desirable if an inventor is not fully prepared to apply for a Patent. A Caveat affords protection, for one year, against the issue of a patent to another for the same invention.

The Government fee on filing a Caveat is \$10, and MUNN & Co.'s charges for preparing the necessary papers are usually from \$10 to \$12.

REISSUES.

A patent when discovered to be defective, may be reissued by the surrender of the original patent, and the filing of amended papers.

DESIGNS, TRADE MARKS, AND COMPOSITIONS Can be patented for a term of years, also, new medicines or medical compounds, and useful mixtures of all kinds.

PATENTS CAN BE EXTENDED.

All patents issued prior to 1861, and now in force, may be extended for a period of seven years upon the presentation of proper testimony.

INTERFERENCES

Between pending applications before the Commissioners are managed and testimony taken; also, Assignments, Agreements, and Licenses prepared.

FOREIGN PATENTS.

American inventors should bear in mind that five Patents—American, English, French, Belgian, and Prussian—will secure an inventor exclusive monopoly to his discovery among one hundred and thirty millions of the most intelligent people in the world.

A Pamphlet, containing a synopsis of the Foreign Patent Laws, sent free. Address MUNN & CO., 37 Park Row, New York.

Official List of Patents.

Issued by the United States Patent Office.

FOR THE WEEK ENDING NOV. 23, 1869.

Reported Officially for the Scientific American.

SCHEDULE OF PATENT OFFICE FEES: On each caveat... \$10; On filing each application for a Patent... \$15; On issuing each original Patent... \$20; On appeal to Commissioner of Patents... \$30; On application for Reissue... \$30; On application for Extension of Patent... \$50; On granting the Extension... \$50; On filing a Disclaimer... \$10; On an application for Design (three and a half years)... \$10; On an application for Design (seven years)... \$15; On an application for Design (fourteen years)... \$30; In addition to which there are some small revenue-stamp taxes...

For copy of Claim of any Patent issued within 90 years... \$1; A sketch from the model or drawing, relating to such portion of a machine as the Claim covers, from... \$1; The full Specification of any patent issued since Nov. 20, 1866... \$1.25; Official Copies of Drawings of any patent issued since 1836... \$1.25; Full information, as to price of drawings, in which case, they had by addressing MUNN & CO., Patent Solicitors, No. 37 Park Row, New York.

- 97,021.—HORSESHOE MACHINE.—Wesley Anderson, Pittsburgh, Pa.
97,022.—MOUTH PIECE OF BRIDLE BITS.—A. P. Baldwin, Newark, N. J.
97,023.—WELDING IRON AND STEEL.—John F. Beazel, Uniontown, Pa.
97,024.—KEY GUARD.—M. E. Berolzheimer, New York city.
97,025.—SCOOP AND SIFTER FOR FLOUR, ETC.—Cephus Bencus, Waupun, Wis.
97,026.—MAGAZINE FOR BASE-BURNING STOVES.—B. C. Bibb, Baltimore, Md.
97,027.—FIREPLACE STOVE.—B. C. Bibb, Baltimore, Md.
97,028.—FIREPLACE STOVE.—B. C. Bibb and Philip Klotz, Baltimore, Md.
97,029.—FIREPLACE STOVE.—B. C. Bibb and Philip Klotz, Baltimore, Md.
97,030.—CHISEL-HOLDER FOR FILE-CUTTING MACHINES.—W. J. Birnsall, Newark, N. J.
97,031.—SLEEPING CAR.—H. S. Blood, Jefferson parish, La.
97,032.—CULTIVATOR.—S. W. Brock, Niantic, Ill.
97,033.—STENCH TRAP.—Jesse Brown, San Francisco, Cal.
97,034.—PICTURE CASE.—Geo. Brownlee, Princeton, Ind.
97,035.—DRAIN-PIPE MACHINE.—Isaac C. Bryant, Washington, D. C.
97,036.—MANUFACTURE OF SEMOLINA.—G. A. Buchholz, Shepherd's Bush, England. Patented in England Nov. 19, 1862.
97,037.—MANUFACTURE AND MEANS OF ASSORTING SEMOLINA AND FLOUR.—G. A. Buchholz, Shepherd's Bush, Eng. Patented in England March 28, 1867.
97,038.—MACHINERY FOR MANUFACTURING SEMOLINA AND FLOUR.—G. A. Buchholz, Shepherd's Bush, Eng. Patented in England Sept. 4, 1867.
97,039.—HULLING MACHINE.—G. A. Buchholz, Shepherd's Bush, Eng. Patented in England Aug. 12, 1868.
97,040.—BLIND-MORTISING MACHINE.—Martin Buck (assignor to himself and A. H. Cragin), Lebanon, N. H.
97,041.—MACHINE FOR MAKING WOOD PULP.—F. Burghardt, Curtisville, Mass. Antedated Nov. 15, 1869.
97,042.—WASH BOILER.—G. E. Calkins, Rock Island, Ill.
97,043.—WAGON-SEAT SPRING.—Cyrus C. Carter, Exeter, Ill.
97,044.—DRAWBRIDGE.—H. W. Cass, Lodi, Wis.
97,045.—COMPOUND FOR INSULATING.—A. H. Castle, Ann Arbor, Mich.
97,046.—MANUFACTURE OF CAST-METAL DIES.—Luke Chapman (assignor to Collins Co.), Collinsville, Conn.
97,047.—VEGETABLE CUTTER.—M. H. Chrysler, Kinderhook, N. Y. Antedated Nov. 18, 1869.
97,048.—STEAM COOKING APPARATUS.—James O. Clay, Hudson, Wis.
97,049.—COMBINED BUTTER CUTTER AND STAMP.—Nathan Clough, Lowell, Mass.
97,050.—FIREPLACE.—Benjamin F. Conley, Funneltown, West Virginia.
97,051.—MERCURIAL GAS REGULATOR FOR NITROUS OXIDE APPARATUS.—J. B. Coolidge, Boston, Mass.
97,052.—MERCURIAL REGULATOR FOR VULCANIZING AND OTHER HEATERS.—J. B. Coolidge, Boston, Mass.
97,053.—BUTTER MOLD AND PRINT.—Jas. S. Cory, Dupont, Ind.
97,054.—APPARATUS FOR TEMPERING STEEL.—C. B. Cottrell, Westery, R. I.
97,055.—HIVE FOR RAISING QUEEN BEES.—Jewell Davis, Indianapolis, Ind.
97,056.—STEAM ENGINE GOVERNOR.—Rollin Defrees, Newark, N. J., assigns to J. D. Defrees, A. Defrees, and T. Percival three fourths of his right. Antedated Nov. 19, 1869.
97,057.—BILLIARD-TABLE CUSHION.—Mathew Delany, Virginia City, Nevada.
97,058.—PORTABLE STILL.—L. A. De Lime, St. Louis, Mo.
97,059.—APPARATUS FOR OBTAINING EXTRACTIVE MATTER FROM SUGAR CANE AND OTHER MATERIALS.—Louis A. De Lime, St. Louis, Mo.
97,060.—METHOD OF CONSTRUCTING ORNAMENTAL WOODWORK.—Joseph Dill and H. E. Jordan, Grand Rapids, Mich. Antedated Sept. 22, 1869.
97,061.—BAG FOR GATHERING FRUIT.—N. B. Dixon and M. W. Sprague, Rochester, N. Y., assigns to N. B. Dixon.
97,062.—HARVESTER CUTTER.—G. L. Du Laney, Mechanicsburg, Pa.
97,063.—CHAIR AND FAN.—Abraham Dyson, St. Louis, Mo.
97,064.—STEAM ENGINE VALVE GEAR.—T. Dyson and Geo. Smith, New York city. Antedated Nov. 19, 1869.
97,065.—WATER WHEEL.—A. A. Easton, Killingly, and A. J. Harrington, Plainfield, Conn.
97,066.—COOKING STOVE.—Richard Eaton, London, England, and Joseph Marks, Boston, Mass.
97,067.—BEEHIVE.—W. A. Elam, Milan, Tenn.
97,068.—EXCAVATING MACHINE.—William H. Elliott, New York city.
97,069.—LAMP BURNER.—J. B. Fuller, Norwich, Conn.
97,070.—GRAIN CONVEYER.—John Gardiner, Philadelphia, Pa.
97,071.—TICKET PUNCH.—John Gardner, San Francisco, Cal.
97,072.—BLACKING BOX.—C. H. Gatchell, Oldtown, Me.
97,073.—CULTIVATOR.—I. N. Gates, Burnside, Ill.
97,074.—HAND-GUIDE FOR PIANOS.—Marie Gether, St. Louis, Mo.
97,075.—COMBINED ROLLER AND ICE SKATE.—A. J. Gibson, Cincinnati, Ohio.
97,076.—DIAL TELEGRAPH APPARATUS.—E. T. Gilliland, Cincinnati, Ohio, assignor to himself and Peter Neff, Jr.
97,077.—DIGESTER FOR COFFEE POTS.—W. L. Gilroy, Philadelphia, Pa. Antedated Nov. 12, 1869.
97,078.—BARY WALKER.—John C. Goulding, Trenton, N. J.
97,079.—FIRE-PROOF SAFE.—John Pevear Greely (assignor to himself, Russell Arnold Ballou, Sanford Greely, and Jonathan Pierce), Boston, Mass.
97,080.—COAL DRILLING MACHINE.—John Grimm, Darlington township, Pa.
97,081.—CLIP OR PAPER HOLDER FOR PHOTOGRAPHERS.—V. M. Griswold, Peekskill, N. Y.
97,082.—PHOTOGRAPHERS' DRIPPING AND DRYING RACK.—V. M. Griswold, Peekskill, N. Y.
97,083.—COFFEE ROASTER.—T. J. Hall, Bryan, Texas.
97,084.—COOKING STOVE.—J. D. Harden, Troy, N. Y.
97,085.—TURBINE WATER WHEEL.—A. M. Harding, Oregon, City, Oregon.
97,086.—POST-HOLE DIGGER.—B. B. Herrick and C. W. Wickler, Duquoin, Ill.
97,087.—COMPOSITION FUEL.—Frank N. Hopkins, Baltimore, Md.
97,088.—CONGLOMERATE FOR PAVING, ROOFING, AND SIMILAR PURPOSES.—Frank N. Hopkins, Baltimore, Md.

- 97,089.—WHOOPING COUGH PLASTER.—Frederick Hower, Brooklyn, N. Y.
97,090.—KNIFE SHARPENER.—W. H. Howland, San Francisco Cal.
97,091.—LUBRICATOR.—J. J. Hoyt, Chelmsford, Mass.
97,092.—PANELING MACHINE.—Nicholas Jenkins, New York city.
97,093.—PLATE LIFTER AND BREAD TOASTER.—T. D. Keith, Mayville, Wis.
97,094.—FIRE PLACE STOVE.—Philip Klotz, Baltimore, Md.
97,095.—MACHINE FOR WINDING THREAD ON BOBBINS, ETC.—L. J. Knowles, Warren, Mass.
97,096.—LATHE FOR TURNING OVALS.—Ramsey Lawson, Shelburne Falls, Mass.
97,097.—FLUID METER.—H. B. Leach, Boston, Mass.
97,098.—GRINDSTONE.—Thomas Loring, Blackwoodtown N. J.
97,099.—COMBINATION POCKET RULE.—Joel Manchester, New York city.
97,100.—AERIAL STEAM CAR.—Fred. Marriott, San Francisco Cal.
97,101.—COMBINED BED AND MUSICAL INSTRUMENT BOARD.—John McDonald, New York city.
97,102.—STUMP EXTRACTOR.—Alex. McLeod, Black River Falls, Wis.
97,103.—CHURN.—Friedrich Miller, Frostburg, Md.
97,104.—HARROW.—J. H. Miller and F. A. Pickering, Niantic Ill.
97,105.—WATER CLOSET.—G. R. Moore, Philadelphia, Pa.
97,106.—POWER LOOM FOR WEAVING INGRAIN CARPETS.—Wm. Murkland and J. W. Murkland, Lowell, Mass.
97,107.—TIRE-BENDING MACHINE.—John Naugle, Moresville, Ind. Antedated Nov. 10, 1869.
97,108.—COVERING FOR STEAM BOILERS.—Chas. M. O'Hara, New York city.
97,109.—HAND CORN SHELLER.—Chas. M. O'Hara, Bolivar, Tenn.
97,110.—VELOCIPED.—Joseph Ives Pease, Stockbridge, Mass.
97,111.—FIFTH WHEEL FOR CARRIAGES.—J. A. Peck (assignor to himself and W. L. White, Jr.), Taunton, Mass.
97,112.—SAW MILL.—Wm. Penny, Milton, Fla.
97,113.—BENDING MACHINE.—David Pierce, Almont, Mich.
97,114.—DERRICK.—J. W. Piper, Chicago, and W. J. Hanger and J. S. Hanger, Taylor, Ill.
97,115.—MACHINE FOR MAKING WHEELS.—Thomas Place, Alfred Centre, N. Y.
97,116.—SUSPENDER.—T. O. Potter, Boston, Mass.
97,117.—MACHINE FOR ROLLING BARS FOR HORSESHOES.—Abram Reese, McClure township, Pa.
97,118.—HORSESHOE MACHINE.—Jacob Reese and A. Reese, Pittsburgh, Pa.
97,119.—WEIGHING BASKET.—C. Renne and F. Landenberger, New York city.
97,120.—PAPER-CUTTING MACHINE.—Thomas C. Robinson, Boston, Mass.
97,121.—COMBINED PLANTER AND CULTIVATOR.—J. A. Rockwood (assignor to himself and S. Morris), Kinderhook, Ill.
97,122.—PORTABLE GAS APPARATUS AND CARBURETER.—M. A. Root, Philadelphia, and J. D. Custer, Norristown, Pa.
97,123.—SECURING THE CANNON PINIONS OF WATCHES.—E. Sanzoz, Hudson City, N. J. Antedated Nov. 15, 1869.
97,124.—BEEHIVE.—Riley Sanford, Marion, N. Y.
97,125.—FLUTING MACHINE.—H. C. Sergeant, Newark, N. J.
97,126.—MOWING MACHINE.—W. H. Seymour, Brockport, N. Y.
97,127.—PADLOCKS.—Thomas Slight, Newark, N. J.
97,128.—WORK BOX AND DESK.—C. W. Small, Worcester, Mass.
97,129.—DEVICE FOR PACKING EGGS FOR TRANSPORTATION.—S. Smith, Lawrence, Mass.
97,130.—APPARATUS FOR BUILDING SOD FENCES.—Cyrus W. Smith, Morrisville, N. Y.
97,131.—APPARATUS FOR MANUFACTURING CHEESE.—P. W. Strong, Evans' Mills, N. Y.
97,132.—STAIR ROD.—Josef Stuehler, Brooklyn, N. Y.
97,133.—BUCKLE.—H. R. Swan, Norwalk, Conn. Antedated Nov. 8, 1869.
97,134.—BALANCING MILLSTONE.—George S. Thompson, Philadelphia, Pa.
97,135.—CLOSE STOOL AND CLOSET.—C. True, Pocatonia, Ill.
97,136.—WINDMILL.—W. I. Tustin, San Francisco, Cal.
97,137.—SEEDING MACHINE.—W. A. Van Brunt, Horicon, Wis.
97,138.—REVOLVING SCALE.—Hermann Von Schlagintweit, Sakunlunski, Munich, Bavaria.
97,139.—CORN PLANTER.—D. F. Wagner, West Hanover, Pa.
97,140.—PAPER-CUTTING MACHINE.—F. L. Walker, Boston, Mass.
97,141.—MACHINE FOR MAKING NAILS FOR HORSESHOES.—Wm. Wickersham, Boston, Mass.
97,142.—WAGON LADDER.—Isaac Williams, Bucyrus, Ohio.
97,143.—PROCESS OF BREWING BEER.—Chas. Abresch, New York city.
97,144.—Isaac Adams, Jr.—Suspected.
97,145.—CURING AND PRESERVING FISH.—R. A. Adams, Cambridge, Mass.
97,146.—PROPELLING APPARATUS.—J. F. Alexander, New York city.
97,147.—SPINDLE FOR LOOM SHUTTLES.—N. I. Allen and J. C. Moody, Brunswick, Me.
97,148.—STEP LADDER.—E. R. Austin, Elmira, N. Y.
97,149.—CONCRETE PAVEMENT.—D. W. Bailey, Chelsea, Mass.
97,150.—SLEIGH.—S. R. Bailey, Bath, Me.
97,151.—MACHINE FOR SAWING SHINGLE BOLTS.—D. H. Ball, Sinnamahoning, Pa.
97,152.—KNIFE AND FORK.—James Ball, Brooklyn, N. Y.
97,153.—PROGRESSIVE RECIPROCATING MOTION FOR STAMPING AND OTHER MACHINES.—R. L. Barclay, Brooklyn, E. D., N. Y.
97,154.—POCKET KNIFE.—F. H. Barnard and W. L. Brace, Hartford, Conn.
97,155.—CONFECTION FROM RAISINS.—Joseph B. Bidwell, Grand Rapids, Mich., assignor to himself and J. C. Knoblock, South Bend, Ind.
97,156.—METHOD OF FORMING SLEEVE BUTTON SHANKS.—W. H. Blake, Waterbury, Conn.
97,157.—HORSE RAKE.—Olpha Bonney, Jr., San Francisco, Cal.
97,158.—LOOM.—J. L. Branson, Pittsburgh, Pa.
97,159.—SAFE.—Martin Briggs, Rochester, N. Y.
97,160.—PIPE TRAP.—C. H. Burleigh, Worcester, Mass.
97,161.—BEE-MOTH INSTRUMENT.—R. P. Buttes, Mansfield Pa.
97,162.—PLOW.—F. M. Caldwell, New York city.
97,163.—RAILWAY FROG.—F. J. Calhoun, Boston, Mass.
97,164.—DITCHING MACHINE.—Henry Carter, Cleveland, Ohio.
97,165.—SYRINGE.—P. F. Cederholm, Stillwater, Minn.
97,166.—EXTENSION BIT.—H. P. Chapman, Essex, assignor to the Centre Brook Manufacturing Company, Centre Brook, Conn.
97,167.—BREECH-LOADING FIRE-ARM.—A. A. Chassepot, Paris, France.
97,168.—FRUIT-DRYER.—W. R. Clark, Indianola, Ill.
97,169.—BAG FOR GUANO, PHOSPHATES, AND OTHER FERTILIZERS.—B. R. Croasdale, Philadelphia, Pa.
97,170.—BALING PRESS.—William Deering, Louisville, Ky.
97,171.—HORSE HAY EORK.—J. J. De Grummond, Knoxville, Ill.
97,172.—HAY RACK.—Geo. Denis and Geo. Grassal, Osceola, Iowa.
97,173.—MACHINE FOR MAKING CHAINS.—Wm. Dennison, Cambridge, Mass.
97,174.—FRUIT DRYER.—Elias Dilday, South Pass, Ill.
97,175.—LOOM.—Geo. Duckworth, Wm. Duckworth, James Duckworth, and J. C. Duckworth, Pittsfield, Mass.
97,176.—VELOCIPED WHEEL.—Wright Duryea, Glen Cove, N. Y. Antedated Nov. 12, 1869.
97,177.—CARPENTERS' GROOVING PLANE.—Theodore Duval, Hartford, Conn.
97,178.—MACHINE FOR POUNCING HATS.—Rudolph Eickemeyer, Yonkers, N. Y.