

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, and during this extended experience of nearly a quarter of a century, they have examined not less than fifty thousand alleged new inventions, and have prosecuted upward of thirty thousand applications for patents, and, in addition to this, they have made, at the Patent Office, over twenty thousand preliminary examinations into the novelty of inventions, with a careful report on the same.

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, with the additional advantage of having the assistance of the best professional skill in every department, and a Branch Office at Washington, which watches and supervises, when necessary, cases as they pass through official examination.

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 at the office, or to advise them by letter. In all cases, they may expect an honest opinion. For such consultations, opinion, and advice, NO CHARGE is made. A pen-and-ink sketch and a description of the invention should be sent.

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, also, a description of the improvement, and remit \$16 to cover first Government fee, and revenue and postage stamps.

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. When the invention consists of an improvement upon some other machine, a full working model of the whole machine will not be necessary. But the model must be sufficiently perfect to show with clearness the nature and operation of the improvement.

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. For this special search, and a report in writing, a fee of \$5 is charged. This search is made by a corps of examiners of long experience.

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

REISSUES.

A patent when discovered to be defective, may be reissued by the surrender of the original patent, and the filing of amended papers. This proceeding should be taken with great care.

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. When the invention consists of a medicine or compound, or a new article of manufacture, or a new composition, samples of the article must be furnished, neatly put up. Also, send a full statement of the ingredients, proportions, mode of preparation, uses, and merits.

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. The extended term of a patent is frequently of much greater value than the first term; but an application for an extension, to be successful, must be carefully prepared. MUNN & Co. have had a large experience in obtaining extensions, and are prepared to give reliable advice.

INTERFERENCES

Between pending applications before the Commissioners are managed and testimony taken; also, Assignments, Agreements, and Licenses prepared. In fact, there is no branch of the Patent Business which MUNN & Co. are not fully prepared to undertake and manage with fidelity and dispatch.

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. The facilities of business and steam communication are such, that patents can be obtained abroad by our citizens almost as easily as at home. MUNN & Co. have prepared and taken a larger number of European Patents than any other American Agency. They have Agents of great experience in London, Paris, Berlin, and other Capitals.

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

COST OF APPLICATIONS.

When the model is received, and first Government fee paid, the drawing and specification are carefully prepared and forwarded to the applicant for his signature and oath, at which time the agency fee is called for. This fee is generally not over \$25. The cases are exceptionally complex if a higher fee than \$25 is called for, and, upon the return of the papers, they are filed at the Patent Office to await Official examination. If the case should be rejected for any cause, or objections made to a claim, the reasons are inquired into and communicated to the applicant, with sketches and explanations of the references; and should it appear that the reasons given are insufficient, the claims are prosecuted immediately, and the rejection set aside, and usually Without Extra Charge to the Applicant.

MUNN & Co. are determined to place within the reach of those who can side 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; and MUNN & CO. wish to state very distinctly, that they have but few cases which can not be settled without the necessity of an appeal; and before an appeal is taken, in any case, the applicant is fully advised of all facts and charges, and no proceedings are had without his sanction; so that all inventors who employ MUNN & CO. know in advance what their applications and patents are to cost.

MUNN & CO. make no charge for prosecuting the rejected claims of their own clients before the Examiners and when their patents are granted, the invention is noticed editorially in the SCIENTIFIC AMERICAN.

REJECTED CASES.

MUNN & CO. give very special attention to the examination and prosecution of rejected cases filed by inventors and other attorneys. In such cases a fee of \$5 is required for special examination; and report, and in case of probable success by further prosecution, and the papers are found tolerably well prepared, MUNN & Co. will take up the case and endeavor to get it through for a reasonable fee, to be agreed upon in advance of prosecution.

CAVEATS

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

Official List of Patents.

Issued by the United States Patent Office.

FOR THE WEEK ENDING FEB. 15, 1870.

Reported Officially for the Scientific American.

SCHEDULE OF PATENT OFFICE FEES:

Table with 2 columns: Fee description and Amount. Includes items like 'On each caveat', 'On filing each application for a Patent', 'On issuing each original Patent', etc.

For copy of Claim of any Patent issued within 30 years... \$1. A sketch from the model or drawings, relating to such portion of a machine as the Claim covers, from... \$1 upward, but usually at the price above named.

The full Specification of any patent issued since Nov. 23, 1866, at which time the Patent Office commenced printing them... \$1.25

Official Copies of Drawings of any patent issued since 1836, we can supply at a reasonable cost, the price depending upon the amount of labor involved and the number of views.

Full information, as to price of drawings, in each case, may be had by addressing MUNN & CO., Patent Solicitors, No. 37 Park Row, New York

- 99,744.—PIPE COUPLING.—Wm. D. Alford and J. H. Pitkin, Cayuga Falls, Ohio.
99,745.—CIGAR MACHINE.—William G. Ayres and Seth L. Cole, Brooklyn, N. Y.
99,746.—CABINET.—Robert Bacon (assignor to himself and Joseph Lincoln, Jun., Boston, Mass.
99,747.—WASHING MACHINE.—Fortune L. Bailey, Freeport, Me.
99,748.—FIRE-PLACE BACK.—J. I. Bard, New Orleans, La.
99,749.—GRIPPER AND GAGE FOR PRINTING PRESSES.—Henry Barth, Cincinnati, Ohio.
99,750.—FRAME FOR DYEING IN VARIOUS COLORS FOR MANUFACTURE OF SCOTCH PLAIDS, ETC.—Charles Barton, Paterson, N. J., assignor to Dexter, Lambert & Co.
99,751.—GOVERNORS FOR STEAM AND OTHER ENGINERY.—Joseph Bell, Cincinnati, Ohio.
99,752.—BOILER FOR COOKING STOVES.—Frank S. Bissell, Pittsburgh, Pa.
99,753.—WASH BOILER.—Charles D. Blinn, Port Huron, Mich.
99,754.—AIR PISTOL.—Reuben Brooks, Jun., Rockport, Mass.
99,755.—FOLDING BEDSTEAD.—W. H. Buell, Laughlinton, Pa.
99,756.—SLATE FRAME.—Ebenezer Butler, Salina, N. Y.
99,757.—BANK NOTES, BONDS, REVENUE STAMPS, ETC.—George W. Casilear, Washington, D. C.
99,758.—RULING MACHINE.—George W. Casilear, Washington, D. C.
99,759.—GAGE FOR PAPER-CUTTING MACHINES.—Cyril C. Child, Boston, Mass.
99,760.—WINDOW FRAME.—A. J. Cleveland, Baltimore, Md.
99,761.—FRICTION CLUTCH MECHANISM.—Moses G. Crane, Newton, and A. M. Posey, Boston, Mass., assignors to Wm. Smith Hall, Quincy, Mass.
99,762.—SAFETY VALVE.—George W. Cushing (assignor to himself and Horatio Anderson), Chicago, Ill.
99,763.—FRUIT JAR.—Wm. H. Daniels, Bryan, Ohio.
99,764.—TOBACCO BOX.—Charles Doering, Charlestown, Mass.
99,765.—SPRING BED BOTTOM.—Charles H. Dunks, Detroit, Mich.
99,766.—HAY DRAG.—Daniel Eddelman and Amos Eddelman, Madison, Ind.
99,767.—STIRRUP AND SPUR FOR SADDLES.—Henry Fellows, Bloomington, Ind.
99,768.—CORN SHELLER.—Daniel E. Field, Leaksville, N. C., assignor to himself and Collett Leventhrop, New York city.
99,769.—GAS-CARBURETING APPARATUS.—John Gair, New York city, assignor to himself and Joseph J. Walton, Newark, N. J.
99,770.—SLEIGH KNEE.—John P. Garland, Newbury, Vt.
99,771.—WAGON SPRING.—Lewis L. Gordon, Detroit, Mich.
99,772.—MOP-WRINGER AND SCRUBBING BRUSH.—Lewis L. Gordon (assignor to Richard W. Hutchinson), Detroit, Mich.
99,773.—PROCESS AND MATERIAL FOR ORNAMENTING TEXTILE FABRICS.—Carl Gunther, assignor to Frederick Volkman, Berlin, Prussia.
99,774.—CAR TRUCK.—Aaron Higley, Cleveland, Ohio.
99,775.—SHOVEL BLANK.—George W. Jope, Pittsburgh, Pa., assignor to himself and Wm. Buntan.
99,776.—ELLIPTIC SPRING.—Frank Keeler (assignor to Tomlinson Spring and Axle Company), Bridgeport, Conn.
99,777.—METALLIC HEARTH.—Oliver Kells, Steubenville, Ohio.
99,778.—SOFA LOUNGE.—Charles Kurfiss, Louisville, Ky.
99,779.—SPRING BED.—Hermon W. Ladd and Geo. F. Ladd, Chelsea, Mass.
99,780.—MATCH MACHINE.—L. T. Luther, Oak Grove, Pa.
99,781.—SCREW DRIVER.—William H. Martyn, Boston, Mass.
99,782.—APPARATUS FOR FRIZZLING CLOTH.—Schamu Moritz Moschoewitz, New York city, assignor to Wheeler & Wilson Manufacturing Company, Bridgeport, Conn.
99,783.—SEWING MACHINE.—Nicholas Meyers (assignor to Globe Sewing Machine Company), Buffalo, N. Y.
99,784.—GRINDING AX AND HOOK COMBINED.—Philetus W. Norris, Detroit, Mich.
99,785.—FASTENING HANDLES TO CUTLERY.—Elias G. Ost, Shelburne Falls, Mass.
99,786.—MECHANISM FOR RELIEVING THE PRESSURE ON SHUTTLE-BOX SWELL.—Joseph Potter, Danielsonville, assignor to Geo. L. Lyon, Brooklyn, Conn.
99,787.—COMPOUND RAILWAY RAILS.—Daniel R. Pratt, New York city.
99,788.—BEADING MACHINE FOR SHEET METAL.—Charles H. Raymond, Southington, Conn.
99,789.—OIL CAN.—Patrick Scanlan, Indianapolis, Ind.
99,790.—SPRING BED BOTTOM.—John L. Secomb, Detroit, Mich.
99,791.—COMPOUND PROPELLER PUMP.—Thomas Shaw, Philadelphia, Pa.
99,792.—SELF-WORKING ROTARY CORN PLANTER.—John Simonton, Taylorsville, Ind.
99,793.—FURNACE FOR BURNING EDGINGS, SAWDUST, ETC.—Ira O. Smith, Muskegon, Mich.
99,794.—ENGRAVING MACHINE.—J. Civilian Spencer, Phelps, N. Y.
99,795.—TOOL FOR MAKING SPLINTS.—Charles F. Stewart, Corunna, Mich.
99,796.—FENCE.—M. Vanwormer, Troy, Ohio.
99,797.—HARVESTER KNIFE.—George J. Hardwell, Rutland, Vt.
99,798.—HOUSE TRIMMINGS.—J. R. Webber, Morris, Ill.
99,799.—SCAFFOLD.—George W. Wells, Lawton, Mich.
99,800.—LUBRICATOR FOR BEARINGS OF SHAFTS.—Peregrine White, Dixmont Center, Me.
99,801.—STOVE FOR BURNING STUMPS.—Henderson Willard, Grand Rapids, Mich.
99,802.—ELEVATING APPARATUS.—George G. Winans, Scranton, Pa.
99,803.—DRILLING MACHINE.—Edward J. Worcester, Worcester, Mass.
99,804.—FARE BOX FOR STREET CARS.—W. H. Young, Chicago, Ill.
99,805.—PROCESS OF WELDING CAST OR BESSEMER STEEL.—John Absterdam, New York city.
99,806.—MODE OF COVERING MOLDS AND OTHER ARTICLES WITH A METALLIC SURFACE.—Joseph Alexander Adams, Brooklyn, N. Y.
99,807.—PADDLE-WHEEL.—David Anderson, Philadelphia, Pa.
99,808.—PLANING MACHINE.—Moses L. Andrew, Cincinnati, Ohio.

- 99,809.—CARRIAGE-WHEEL HUB.—Simeon Atha, West Liberty, Ohio.
99,810.—WOOD-TURNING LATHE.—Loring Atwood and Edward Ripley, Rutland, Vt., assignors to themselves and Baxter D. Whitney, Winochendon, Mass.
99,811.—SOAP MIXTURE.—Jacob M. Austin (assignor to himself and Wm. Tash), York, Pa.
99,812.—GLOBE VALVE.—J. W. Baldwin, Laconia, N. H.
99,813.—SPRING FOR RAILWAY CARS.—C. M. Banks, Roxborough, Philadelphia, Pa.
99,814.—ROTARY WINDOW WASHER.—Gottlieb M. Barth, Philadelphia, Pa.
99,815.—SASH HOLDER.—Charles Bean, North Providence, assignors for one-half to James Langley, Jun., Providence, R. I.
99,816.—UMBRELLA.—Charles Becker, New York city.
99,817.—CAR COUPLING.—W. W. Bell, Chicago, Ill.
99,818.—RAILWAY CAR COUPLING.—Charles W. Benson (assignor for one-half to Richard C. Waters), Frederick City, Md.
99,819.—CHURN.—H. H. Bigard, E. H. Kellogg, and N. A. Prentiss, Fowler, N. Y.
99,820.—COMBINED REEL AND RAKE FOR HARVESTERS.—S. H. Bingham, Laurelton, Pa.
99,821.—HOE.—L. L. Bond, Chicago, Ill.
99,822.—GATE.—C. S. Bonney, Syracuse, N. Y.
99,823.—INDIGO SOAP.—H. C. Borgner, Lebanon, Pa.
99,824.—INSTRUMENT FOR DIVIDING CIRCLES.—M. Bowker and J. L. Stratton, Fitchburg, Mass.
99,825.—HANDLE FOR CROSS-CUT SAWS.—E. M. Boynton, Grand Rapids, Mich.
99,826.—CLAMP.—S. C. Bradley (assignor to C. E. Thompson & Co.), New Haven, Conn.
99,827.—SASH HOLDER.—E. K. Breckenridge, West Meriden, Conn.
99,828.—BOLT WORK FOR SAFE DOORS, ETC.—Martin Briggs, Rochester, N. Y.
99,829.—TABLE-LEAF SUPPORT.—W. R. Briggs (assignor to M. G. Briggs), Boston, Mass.
99,830.—FLOW.—T. E. C. Brinly, Louisville, Ky.
99,831.—SEAL LOCK.—F. W. Brooks, New York city.
99,832.—SCHOOL DESK.—John David Browne, Madisonville, Ohio.
99,833.—HAY TEDDER.—R. Bryson, Schenectady, N. Y.
99,834.—BRIDLE.—Mathew Hay Buchanan, Washington Co., Va.
99,835.—GRAIN SEPARATOR.—Hiram Burdick, Monroe, Wis.
99,836.—WASHING MACHINE.—Oscar S. Burges, Sr., Battle Creek, Mich.
99,837.—CURTAIN FIXTURE.—T. Burgin, Rutland, Vt.
99,838.—HEAD BLOCK FOR SAW MILLS.—J. H. Burket, Findlay, and G. Burket, Bluffton, Ohio.
99,839.—BOILER FURNACE AND FLUE.—W. H. Burns, Unionville, Me.
99,840.—TEASLE-GRADING MACHINE.—G. A. Burrough, Providence, R. I.
99,841.—SLATE FRAME.—S. B. Bushfield, Jr., Parkersburg, W. Va.
99,842.—WASHING MACHINE.—N. W. Calhoun, Upper Tract, W. Va.
99,843.—WARPING MACHINE.—S. Campbell, Palmer, Mass., and Duncan McFarlane, Troy, N. Y.
99,844.—BLIND HINGE.—C. B. Clark, Buffalo, N. Y.
99,845.—LATCH.—J. A. Clarke, New York city.
99,846.—PISTON PACKING.—John Clark, Harrisburg, Pa.
99,847.—FOLDING BEDSTEAD.—T. G. Clifford (assignor to himself and W. B. Clifford), New York city.
99,848.—DIE AND PLUNGER.—J. H. Cole, Millbury, assignor to S. P. Emerson and A. White, Worcester, Mass.
99,849.—FISH JOINT FOR RAILWAY RAILS.—Hiram Cook, Norwich, Conn.
99,850.—HARVESTER.—G. T. Coolman and Chs. M. Young, Corry, Pa.
99,851.—WHEEL FOR CARRIAGES AND OTHER VEHICLES.—A. F. Cooper, San Francisco, Cal., assignor to himself and J. G. Tappan, Boston, Mass.
99,852.—BRICKKILN.—R. D. Cox, Philadelphia, Pa.
99,853.—INSTRUMENT FOR DESCRIBING SPIRALS, ETC.—Germond Crandell, Washington, D. C.
99,854.—PICTURE FRAME FASTENING.—J. D. Crocker, Norwich, Conn.
99,855.—STEAM ENGINE.—J. E. Culver, Hudson, N. J.
99,856.—PAINT.—T. H. Currey, Cincinnati, Ohio.
99,857.—DEVICE FOR ATTACHING SPITTOONS TO FLOORS OF RAILROAD CARS.—John S. Daggett, Hope, Me.
99,858.—DRIVE WELL TUBE.—Deloss A. Danforth, Elkhart, Ind.
99,859.—MACHINE FOR DIGGING SWEET POTATOES.—R. Darlington and E. L. Watson, Auburn, N. J.
99,860.—APPARATUS FOR GENERATING ILLUMINATING GAS.—Marius Davison, New York city.
99,861.—FLOUR BOLT.—A. J. Dibble, Franklin, N. Y.
99,862.—REFRIGERATOR.—Henry M. Diggins, Cincinnati, Ohio.
99,863.—TOOL FOR CHECKING TIMBER.—A. W. Dorr, Lake Valley, Taho P., Cal.
99,864.—ATTACHMENT FOR HOT-AIR REGISTERS.—O. A. Ebert, Baltimore, Md.
99,865.—SHIPTON BUGGY TOP.—David Eldridge, Salem, Ohio.
99,866.—MACHINE FOR LAYING OUT DOORS AND SASH.—S. C. Ellis, Jersey City, N. J.
99,867.—SPRING BRACE FOR CARRIAGES.—William Evans, Eureka, Wis.
99,868.—MACHINE FOR ROLLING RAILROAD CHAIRS.—David Eynon, Richmond, Va.
99,869.—MACHINE FOR SLOTTING RAILROAD CHAIRS.—David Eynon, Richmond, Va.
99,870.—HAND CLOTHES WASHER.—P. Falardo, Newark, N. J., and G. H. Snow, New Haven, Conn.
99,871.—SKELETON CORSET.—D. H. Fanning, Worcester, Mass.
99,872.—COMBINATION PADLOCK.—George K. Farrington, Alcatraz Island, Cal., assignor to himself and Frederick and Victor Schulz.
99,873.—INSULATOR FOR TELEGRAPHS.—S. L. Finley, Morrisania, N. Y., assignor to himself and Marshall Lefferts, New York city.
99,874.—BOOM FOR VESSELS.—Eugene G. Gailac, Cutler, Me.
99,875.—CANDLESTICK.—Samuel Gardiner, Jr., New York city.
99,876.—BLOWING APPARATUS.—Rufus H. Gilbert, Washington, D. C.
99,877.—PUMP.—R. J. Gould, Newark, N. J.
99,878.—VAPOR BURNER.—B. D. Greene, Sturgis, Mich.
99,879.—MANUFACTURE OF LOZENGES AND CONFECTIONERY.—Ernest Greenfield, New York city.
99,880.—CRACKERS OR MEAT BISCUIT.—Ernest Greenfield, New York city.
99,881.—APPARATUS FOR REFRIGERATING.—A. Guthrie, Chicago, Ill., assignor to himself and E. A. Goodrich.
99,882.—RAILWAY CAR AXLE BOX.—J. T. Hagerty, Camp Point, Ill.
99,883.—EGG BEATER, ETC.—William Henry Haines (assignor for one-half of his right to Thomas Albert Sandford), Newark, N. J.
99,884.—PUMP.—M. P. Hall, Gayville, Ill.
99,885.—COLORING MATTER TO BE USED IN VULCANIZED RUBBER.—John Halliday, Lynn, Mass.
99,886.—BRICKKILN.—S. M. Hamilton, Baltimore, Md.
99,887.—BRICKKILN.—S. M. Hamilton, Baltimore, Md.
99,888.—THRASHING MACHINE.—G. B. Hamlin, Willimantic, Conn.
99,889.—SAWSET.—H. A. Harris, Center, Texas.
99,890.—THRILL COUPLING.—A. S. Harry, Wooster, Ohio.
99,891.—SPLIT RING.—T. S. Hattersley, Trenton, N. J.
99,892.—RELAY FOR TELEGRAPHIC INSTRUMENTS.—E. S. Hidden, Milburn, N. J.
99,893.—REVOLVING FIREARM.—Byron R. Hill, Cranston, R. I.
99,894.—LUBRICATOR.—Timothy Holland, New York city.

