

U. S. Patent Office.

How to Obtain Letters Patent

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 persons 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 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, 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 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; 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. A 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.

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.

Official List of Patents.

Issued by the United States Patent Office.

FOR THE WEEK ENDING JAN. 25, 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... \$1. The full Specification of any patent issued since Nov. 20, 1866... \$1.25. Official Copies of Drawings of any patent issued since 1836... \$1.50.

- 99,046.—CAN OPENER.—H. C. Alexander, New York city.
99,047.—PRINTING TELEGRAPH.—M. F. Adams, Boston, assignor to E. B. Welch, Cambridge, Mass.
99,048.—STOVEPIPE DAMPER.—Henry Baker (assignor to himself and C. G. Kerr), Lancaster, Pa.
99,049.—ELEVATOR FOR HOISTING HUMAN BEINGS, MERCHANTISE, ETC.—C. W. Baldwin, Boston, Mass.
99,050.—INSTRUMENT FOR PLUGGING TEETH.—M. L. Battle, Bainbridge, Ga.
99,051.—POCKET FLASK.—Arthur Tappan Becker, Cohoes, N. Y.
99,052.—VARIABLE VALVE GEAR.—George M. Bird, Dedham, Mass.
99,053.—MILKING APPARATUS.—A. C. Black, Kaukauna, Wis. Antedated Jan. 16, 1870.
99,054.—DEVICE FOR APPLYING BRAID TO FABRICS IN SEWING MACHINES.—Elihu Bouscay, Jr., Norwalk, Ohio. Antedated Jan. 14, 1870.
99,055.—SPINNING MACHINE.—Paul Bramwell, Arrow Rock, and W. C. Bramwell, Independence, Mo.
99,056.—BED BOTTOM.—W. R. Briggs, Boston, Mass.
99,057.—CUTTING PRINCERS.—Peter Broadbooks, Batavia, N. Y.
99,058.—SPRIND-BED BOTTOM.—A. H. Ceiley (assignor to J. B. Gardner), Springfield, Mass.
99,059.—MILLING MACHINE.—Luke Chapman (assignor to the Collins Co.), Collinsville, Conn.
99,060.—WASHING MACHINE.—S. W. Clarke, New Milford, Conn.
99,061.—LIFTER FOR KITCHEN USE.—T. S. Coffin, Harrington, Me.
99,062.—MANUFACTURE OF ARTIFICIAL STONE.—Francois Coignet, Paris, France, assignor to Coignet Agglomerate Company, Richmond, Ind.
99,063.—PROPELLER.—Aaron Colton, Sycamore, Ill. Antedated Jan. 12, 1870.
99,064.—MORTISING MACHINE.—John Cox, Portland, Oregon.
99,065.—PUNCHING AND SHEARING MACHINE.—Wm. Culver, Vianland, N. J.
99,066.—HORSE HAY RAKE.—N. W. Curtis, Johnsburg, N. Y.
99,067.—SEWING MACHINE.—J. A. Davis, Watertown, N. Y. Antedated Jan. 23, 1870.
99,068.—COFFEYPOOT ATTACHMENT.—Marinus De Graff, Chicago, Ill.
99,069.—EXPLOSIVE AGENT CALLED "XYLOGLODINE."—Carl Dittmar, Charlottenburg, Prussia.
99,070.—MANUFACTURE OF XYLOGLODINE AND OTHER EXPLOSIVE AGENTS.—Carl Dittmar, Charlottenburg, Prussia.
99,071.—MACHINE FOR DISINTEGRATING WOOD FOR PAPER PULP.—Hezekiah Dodge, Albany, N. Y.
99,072.—SHOE FOR HORSES.—Hay Downie, Corstophine, and I. B. Harris, Edinburgh, Scotland.
99,073.—CARPET-CLEANING MACHINE.—D. A. Drew, Philadelphia, Pa.
99,074.—CLIP FOR ELLIPTIC SPRINGS.—Wm. Evans (assignor to himself and Wm. Coleman), Pittsburgh, Pa.
99,075.—EXTENSION-TABLE SLIDE.—Michael Fleck, Milwaukee, Wis.
99,076.—NIGHT LATCH.—R. S. Foster, Madison, N. J.
99,077.—GRAVEL HEATER.—W. A. Gay, Newark, N. J.
99,078.—CARTRIDGE.—Edwin Gomez, New York city.
99,079.—CARTRIDGE.—Edwin Gomez, New York city.
99,080.—CORK EXTRACTOR.—Charles Gooch, Cincinnati, Ohio. Antedated Jan. 17, 1870.
99,081.—STILL FOR HYDROCARBONS AND OTHER SUBSTANCES.—John Gracie, Pittsburgh, Pa.
99,082.—PORTABLE LUBRICATOR.—Henry Hammond, Hartford, Conn.
99,083.—MOLDING AND GLAZING FORMS MADE OF PLASTIC MATERIAL.—Samuel Hart, Marietta, Ohio.
99,084.—BOOT STRETCHER.—John Harwood, Albany, N. Y.
99,085.—BURGLAR-PROOF SAFE.—E. M. Hendrickson, Brooklyn, N. Y.
99,086.—COMBINED BASE KNOB AND DOOR FASTENER.—H. H. Heskett and M. E. Ferguson, McLean county, Ill.
99,087.—STEP FOR SPINDLE TO SPINNING MACHINES.—J. P. Hillard, Fall River, Mass.
99,088.—MANUFACTURE OF COMPOSITION ROOFS.—C. F. Hinman, Chicago, Ill.
99,089.—COMBINED HARVESTER AND THRASHER.—David Howell, St. Helena, assignor to himself and Charles A. Lowe, San Francisco, Cal.
99,090.—CARRIAGE JACK.—Thomas W. Johnston, Richmond, Me.
99,091.—BASE-BURNING STOVE.—John H. Keyser, New York city.
99,092.—COAL STOVE.—J. H. Keyser, New York city.
99,093.—GRAIN SEPARATOR.—Dennis Ladd, Chicago, Ill.
99,094.—MODE OF PREPARING SEED FOR PLANTING.—Henry Lassing, New York city.
99,095.—BLACKING BRUSH.—George W. Lishawa, Cincinnati, Ohio.
99,096.—VELOCIPEDE.—R. E. Lowe, Upper Alton, Ill. Antedated Jan. 9, 1870.
99,097.—HYDRANT.—J. R. Manny, Chicago, Ill. Antedated Jan. 15, 1870.
99,098.—MILKING STOOL.—Ephraim Martin and Samuel M. Chittenden (assignors to Daniel D. Chittenden), Balausville, N. Y.
99,099.—CORD-MAKING MACHINE.—James McIntire, Hopewell Cotton Works, Pa., assignor to W. C. Dickey. Antedated January 14, 1870.
99,100.—COAL STOVE.—George Rodney Moore, Philadelphia, Pa.
99,101.—PRINTING PRESS.—William T. Morgans, Youngsville, N. Y., assignor to himself, G. J. Goleman, and C. H. Sedgwick & Son.
99,102.—DITCHING MACHINE.—G. W. Nevill, Richmond, Va.
99,103.—SOLDERING MACHINE.—D. P. Newell (assignor to himself, Solomon Washburn, and C. R. Otis), Chicago, Ill.
99,104.—TABLE CUTLERY.—J. H. Nichols and W. Bower (assignors to Beaver Falls Cutlery Company), Beaver Falls, Pa.
99,105.—METHOD OF FIXING PIGMENTS TO FIBROUS AND TEXTILE MATERIALS.—Alfred Paraf, New York city.
99,106.—CORN SHELLER.—William P. Patton and William A. Middleton, Harrisburg, Pa.; said Patton assigns his right to said Middleton.
99,107.—COOLING APPARATUS.—Charles F. Pike, Providence R. I.
99,108.—HARVESTER RAKE.—William Pimlott, Springfield, Ohio.
99,109.—DEVICE FOR BAKING BREAD.—A. I. Quackenbush and Guilford Hawn, Fort Plain, N. Y.
99,110.—SAW HANDLE.—William W. Richardson, Chicago, Ill.
99,111.—BOBBIN HOLDER.—John Salisbury, Scituate, R. I. Antedated Jan. 14, 1870.
99,112.—FIELD FENCE.—David Sattler, Milflin, Ohio.
99,113.—SLOTING TOOL HOLDER.—William Seaton, Putnam Conn.
99,114.—ONE-WHEEL SULKY.—James A. Sinclair, Woodsfield, Ohio, assignor to himself and Charles Messerly.
99,115.—PADLOCK.—F. W. Smith, Jr., Bridgeport, Conn.
99,116.—PADLOCK.—F. W. Smith, Jr., Bridgeport, Conn.
99,117.—SAFETY STOP FOR WATCHES.—S. C. Smith, Boston, Mass.
99,118.—COMBINED PLOW, PLANTER, AND CULTIVATOR.—T. J. Smith, Holly Springs, Miss.
99,119.—VEGETABLE AND FRUIT-PARING KNIFE.—Henry Soggs, Columbus, Pa.
99,120.—HORSE HAY FORK.—George N. Stearns, Syracuse, N. Y.
99,121.—HEDGE TRIMMER.—J. M. Van Nosdall and O. W. Van Nosdall, Newark, Ill.
99,122.—DEVICE FOR SEWING MACHINE.—J. S. Warner, Ogdensburg, N. Y.
99,123.—AUTOMATIC LIGHTING ATTACHMENT FOR LAMPS AND TAPER BURNERS.—Wm. H. Weeks, New York city.
99,124.—COMPOSITION FOR LINING ALE AND BEER CASKS.—John Werner, Mannheim, Baden.
99,125.—RAILROAD TICKET.—J. P. Whitehead, Chicago, Ill. Antedated Jan. 16, 1870.
99,126.—TREADLE FOR SEWING MACHINES.—Charles H. Wilcox, New York city, assignor to the Wilcox & Gibbs Sewing Machine Company.
99,127.—TOY PROPELLER.—Arthur M. Allen, New York city.
99,128.—APPARATUS FOR PULVERIZING PORCELAIN PASTE.—J. R. Aising, Newcastle-upon-Tyne, England. Patented in Sweden, April, 20, 1867.
99,129.—PEAT AUGUR.—Aime Nicholas Napoleon Aubin, Montreal, Canada.
99,130.—PEAT-MOLDING MACHINE.—A. N. N. Aubin, Montreal, Canada.
99,131.—SAWING MACHINE.—Louis Bach and L. C. Christlip, Tiffin, Ohio.
99,132.—CHEESE PRESS.—Albert G. Bagg, Holland Patent, N. Y.
99,133.—SHEET GAGE FOR PRINTING PRESS.—Henry Barth, Cincinnati, Ohio.
99,134.—FOUNTAIN PEN.—G. A. Becker, Seymour, Conn.
99,135.—REVOLVING STEREOSCOPE.—Alexander Beckers, New York city.
99,136.—STEREOSCOPE.—Alexander Beckers, New York city.
99,137.—JOINERS' PLANE.—George Cyrus Beckwith, Boston, Mass.
99,138.—SEWING MACHINE.—Joseph Bennor (assignor to himself and Abraham Rex), Philadelphia, Pa.
99,139.—STONE-CHANNELING MACHINE.—V. W. Blanchard, Briport, assignor to himself and A. J. Severance, Middlebury, Vt.
99,140.—DASH BOARD FOR CARRIAGES.—J. Bland, Thomaston, Ga.
99,141.—PROCESS OF EXTRACTING, MANUFACTURING, AND REFINING SUGAR.—J. E. Boivin and D. Loiseau, Paris, France, assignor to C. F. Chandler, New York city.
99,142.—RAILROAD TIE LIFTER.—Elijah Bomar (assignor to himself and Wm. Young), Wartrace, Tenn.
99,143.—DESULPHURIZING OVEN.—J. C. Brewster, New York city.
99,144.—CASTING HOLLOW CYLINDERS.—J. W. Brittin, Black Rock, Conn.
99,145.—MANUFACTURE OF INSULATORS FOR TELEGRAPH POLES.—Homer Brooke, New York city.
99,146.—CORSET SKIRT SUPPORTER.—J. W. Brooks, Boston, Mass.
99,147.—INK-RETAINING ATTACHMENT FOR PENS.—Albert G. Brown, Hartford, Conn.
99,148.—WEIGHING SCALE.—Dennis Buoy, Danville, Pa.
99,149.—DIE PRESS.—Wm. Burke, Brooklyn, N. Y.
99,150.—MILK PAN.—N. C. Burnap, Argusville, N. Y.
99,151.—CURTAIN AND MAP FIXTURE.—J. W. Burns, Medway, Ohio.
99,152.—SHUTTLE FOR LOOMS.—W. H. Burns, Grafton, assignor to Jonathan Luther, Worcester, Mass.
99,153.—STEAM GENERATING HEATER.—C. A. Buttes, Milwaukee, Wis.
99,154.—IMPLEMENT FOR SLITTING AND JOINING RAGS FOR CARPETS.—B. F. Cady, Chittenango, N. Y.
99,155.—MORTISING MACHINE.—M. E. Campfield, Newark, N. J.
99,156.—HANGER FOR SHAPTING.—W. W. Carey and G. W. Harris, Lowell, Mass.
99,157.—PLANING MACHINE.—W. W. Carey and G. W. Harris, Lowell, Mass.
99,158.—NEEDLE AND ARM FOR SEWING MACHINE.—Mary P. Carpenter, San Francisco, Cal.
99,159.—AUTOMATIC BARREL FILLER.—S. C. Catlin, Cleveland, Ohio.
99,160.—MACHINE FOR REMOVING THE "BLOW OVER" ON GLASS JARS, ETC.—John Chambers (assignor to himself and D. Chambers), Birmingham, Pa.
99,161.—TOOTH BRUSH.—R. K. Chandler, Rutherford Glen, Va. Antedated Jan. 17, 1870.
99,162.—CHIMNEY COWL.—L. N. Chapin, New Lisbon township, N. Y.
99,163.—SHOEMAKERS' TOOL.—J. A. Clippinger, Newtown, Iowa. Antedated Jan. 12, 1867.
99,164.—BIRD CAGE.—G. F. J. Colburn, Newark, N. J.
99,165.—RAILROAD RAIL AND BASE PLATE.—Watts Cooke, Peterson, N. J.
99,166.—VELOCIPEDE.—J. A. Crandall, Brooklyn, N. Y.
99,167.—SHEET GAGE FOR PRINTING PRESSES.—G. B. Cummings, Cambridge, Mass.
99,168.—CHEESE CUTTER.—G. W. Cushman, Aiken, S. C.
99,169.—PLATFORM SCALE FOR HAY OR CATTLE.—Daniel H. Dewey, Canton, Ill.
99,170.—SODA FOUNTAIN.—G. D. Dows (assignor to himself and C. Dows), Boston, and G. S. Cushing, Lowell, Mass. Antedated Jan. 12, 1870.
99,171.—WATER-PROOF FABRIC.—T. M. Drown (assignor to W. A. Drown), Philadelphia, Pa.
99,172.—FLEXIBLE JOINTS FOR WATER PIPES.—M. C. Duffey, Washington, D. C.
99,173.—EGG BEATER.—Timothy Earle, Valley Falls, R. I.
99,174.—BRICK KILN.—Wm. Ennis, Philadelphia, Pa.
99,175.—RECTIFYING WHISKY DURING DISTILLATION.—H. Fake, Williamsburgh, N. Y., assignor to himself and C. A. Toad, New York city.
99,176.—HARNES-OPERATING MECHANISM FOR LOOMS.—G. S. Faulkner, Indianapolis, Ind.
99,177.—LOOM.—G. S. Faulkner, Indianapolis, Ind.
99,178.—KEY-HOLE GUARD AND PROTECTOR.—H. M. Flanagan (assignor to himself and J. R. Elkinton), Penn's Grove, N. J.
99,179.—LEVER AND STUMP PULLER.—J. G. Fox, Oregon, Wis.
99,180.—PRESERVING MEAT.—Henrik Gahn, Upsala, Sweden.
99,181.—HAY LOADER.—C. B. Garlinghouse (assignor to himself, S. F. Bateman, and Byrdine Harris), Copperhill, Tenn.
99,182.—DRYER.—Henry Garrett, Linneus, Mo.
99,183.—MACHINE FOR GRINDING PEARL BUTTON-BLANKS.—J. D. Hall (assignor to J. A. Gargay), Philadelphia, Pa.
99,184.—LIGHTNING ROD AND CONDUCTOR.—J. W. Hankenson (assignor to himself and Winslow Baker), Minneapolis, Minn.
99,185.—HARNES SADDLE HOOK.—Robert Hart, Dunkirk, N. Y.
99,186.—DRYING, PRESERVING, AND COLORING WOOD OR OTHER FIBROUS MATERIAL.—Herman Haupt, Philadelphia, Pa.
99,187.—SLATE FRAME.—Wm. Hersee, Buffalo, N. Y.
99,188.—PACKING CASE FOR TOBACCO.—S. F. Hess, Rochester, N. Y.
99,189.—APPARATUS FOR STEAMING YARN.—J. H. Higgins, New York city.
99,190.—DOUBLE WASH BOARD.—H. F. Hilderbrand, Baltimore, Md.
99,191.—JEWELERS' CHUCK.—L. S. Hill, Grand Rapids, Mich.

