

APPLICATIONS FOR EXTENSION OF PATENTS.

METHOD OF SECURING THE DOORS OF HAY PRESSES, ETC.—Cornelius Mart-ratt, Waterford, N. Y., has petitioned for an extension of the above patent. Day of hearing, April 5, 1871.

GRINDING SAWS.—Daniel S. Nippes, Upper Merion Township, Pa., has peti-tioned for the extension of the above patent. Day of hearing, April 5, 1871.

WHIFFLETREE HOOKS.—Ann M. Cooley, Ceresco, Mich., has petitioned for an extension of the above patent. Day of hearing, June 14, 1871.

MACHINE FOR MAKING PAPER BAGS.—Roxanna Rice, South Lancaster, Mass., has petitioned for an extension of the above patent. Day of hearing April 12, 1871.

SEWING MACHINE.—James E. A. Gibbs, Steels Tavern, Va., has petitioned for an extension of the above patent. Day of hearing May 17, 1871.

HARVESTERS.—Charles Crook, New Hope, Pa., has petitioned for an ex-tension of the above patent. Day of hearing, April 19, 1871.

CORN HUSKERS.—Evelyn F. French, New York city, has petitioned for an extension of the above patent. Day of hearing, April 26, 1871.

New Patent Law of 1870.

INSTRUCTIONS

HOW TO OBTAIN

LETTERS-PATENT

FOR

NEW INVENTIONS.

Information about Caveats, Extensions, Interferen-ces, Designs, Trade-Marks, and Foreign Patents.

FOR Twenty-five years, MUNN & Co. have occupied the leading position of Solicitors of American and European Patents. During this long experience they have examined not less than Fifty Thousand Inventions, and have prosecuted upwards of THIRTY THOUSAND APPLICATIONS FOR PATENTS. In addition to this they have made, at the Patent Office, Twenty-Five Thousand Special Examinations into the novelty of various Inventions.

The important advantage of Munn & Co.'s American and Eu-ropean Patent Agency is that the practice has been tenfold greater than that of any other agency in existence, with the additional ad-vantages of having the aid of the highest professional skill in every department and a Branch Office at Washington, that watches and supervises cases when necessary, as they pass through Official Examination.

MUNN & CO.,

Ask Special Attention to their System of doing Business.

Consultation and Opinions Free.

Inventors who desire to consult with MUNN & Co. are invited to call at their office 37 PARK Row, or to send a sketch and description of the invention, which will be examined and an opinion given or sent by mail without charge.

A SPECIAL EXAMINATION

is made into the novelty of an invention by personal examination at the Patent Office of all patented inventions bearing on the particular class. This search is made by examiners of long experience, for which a fee of \$5 is charged. A report is given in writing.

To avoid all possible misapprehension, MUNN & Co. advise generally, that inventors send models. But the Commissioner may at his discretion dispense with a model—this can be arranged beforehand.

MUNN & Co. take special care in preparation of drawings and specifications. If a case should for any cause be rejected it is investigated immediately, and the rejection if an improper one set aside.

NO EXTRA CHARGE

is made to clients for this extra service. MUNN & Co. have skillful experts in attendance to supervise cases and to press them forward when necessary.

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 pre-pared, 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 charge for preparing the necessary papers is usually from \$10 to \$12.

REISSUES.

A patent when discovered to be defective may be reissued by the surren-der of the original patent, and the filing of amended papers. This proceed-ing should be taken with great care.

DESIGNS, TRADE-MARKS, & COMPOSITIONS Can be patented for a term of years, also new medicines or medical com-pounds, 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 fur-ished, neatly put up. There should also be forwarded a full statement of its ingredients, proportions, mode of preparation, uses, and merits.

CANADIANS and all other foreigners can now obtain patents upon the same terms as citizens.

EUROPEAN PATENTS.

MUNN & Co. have solicited a larger number of European Patents than any other agency. They have agents located at London, Paris, Brussels, Berlin, and other chief cities. A pamphlet containing a synopsis of the Foreign Patent Laws sent free.

MUNN & Co. could refer, if necessary, to thousands of patentees who have had the benefit of their advice and assistance, to many of the principal business men in this and other cities, and to members of Congress and prominent citizens throughout the country.

All communications are treated as confidential.

Address

MUNN & CO.,

No. 37 Park Row,

NEW YORK.

The Advertisers' Gazette

Contains much information of value to every one who advertises in news-papers. Geo. P. Rowell & Co., the New York Advertising Agents, are the publishers. Sample copy sent to any address for 25 cents.

Recent American and Foreign Patents.

Under this heading we shall publish weekly notes of some of the more prom-inent home and foreign patents.

MEDICAL COMPOUND.—Henry Lister, Houston, Texas.—This invention and discovery relates to a new and valuable remedy for chills and fever, and consists in the use of what is commonly known as iron weed (botanical name, "verbena urticifolia") macerated and combined with alcohol.

ARTIFICIAL LEG.—James E. Hanger, Staunton, Va.—This invention relates to improvements in the construction of artificial legs, and it consists in certain arrangements of the knee, ankle, and toe joints, which are de-signed to provide more efficient and durable legs than those now in use.

LEACHING APPARATUS.—H. C. Crowell, Morgan, Ohio.—This invention relates to a new and useful improvement in apparatus for leaching bark in the process of tanning leather, and for all other similar purposes, and it consists in warming and producing a circulation of the liquid by means of a current of steam.

ASH SIFTER.—William Weaver, Greenwich, N. Y.—This invention has for its object to furnish an improved sifter for sifting ashes, coals, and other substances, which shall be so constructed as to prevent the escape of dust or ashes, thus adapting it for use in a room, yard, or other place where the dust would be a nuisance, and which shall at the same time be simple in construc-tion, and conveniently operated.

STEP AND TRAM BOX.—William G. Norment, Dyersburgh, Tenn.—This invention relates to a new and useful improvement in step boxes for sup-porting and adjusting the step ends of mill spindles and upright shafts, and consists in a sectional step box, the sections of which box are so arranged on the step point of the spindle or shaft that the step end of the spindle or shaft may be moved laterally by means of a series of set screws.

COMBINED KEY RING AND DOOR FASTENER.—Bryant H. Melendy, Man-chester, N. H.—This invention has for its object to improve the construction of the improved key ring and door fastener, patented by the same inventor May 17, and July 19, 1870, and numbered 103,068 and 105,474, so as to make it lighter, stronger, smaller, and better, and thus more convenient and effec-tive in use.

POST HOLE DIGGER.—A. E. Lindsley, Paw Paw, Mich.—This invention re-lates to a new instrument for digging the holes for fence posts and other purposes, and consists in the application of a circular cutter and vertically adjustable clamping block, by which the earth or sand is secured in the tubular case on which the cutter is formed.

COFFEE MILL.—Francois Raymond, Woodhaven, L. I.—This invention relates to improvements in coffee mills, and it consists in an improved con-struction of the stationary grinder, and the hopper and rotary grinder sup-port calculated to simplify and cheapen the cost of attaching the parts to the box top, and together, as hereinafter described.

CORN PLANTER.—J. M. Parsons, Charles City, Iowa.—This invention has for its object to furnish a convenient and reliable corn planter, which shall be so constructed that one man with two horses can plant the corn, two rows at a time, in accurate check row, upon ground just as it is left by the plow, and without its being marked or staked out.

WASHING MACHINE.—W. G. Jones, Marshall, Texas.—This invention has for its object to furnish an improved washing machine, which shall be so constructed as to do its work quickly and thoroughly, however soiled the garments may be, and which will wash the most delicate fabrics without in-juring them.

BEDSTEAD.—George Snowden, Hudson, N. J.—This invention relates to a new construction of bedstead frame and bed bottom, and has for its object to provide an elastic couch, and reduce the expense of making the same.

REVERSIBLE BROILER.—Levi H. Colborne and David H. Lowe, New York city.—This invention has for its object to furnish an improved broiler, which shall be so constructed as to catch and preserve the gravy, and allow the substance being broiled to be reversed or turned without removing the broiler, or allowing the gravy to run into the fire, and which shall at the same time be simple in construction, and convenient in use.

HAY RAKE AND LOADER.—John E. Fell and John H. Mattocks, Maquoketa, Iowa.—This invention has for its object to furnish a simple and convenient machine, that may be conveniently attached to the rear part of the wagon upon which the hay is to be loaded, and which will rake or collect the hay, and raise and deposit it upon the said wagon.

CULTIVATOR.—Marshall Sattley, Taylorville, Ill.—This invention has for its object to furnish an improved cultivator, simple in construction, strong, durable, not liable to get out of order, and effective in operation.

COMBINED FENDER AND GAGE WHEEL.—Alexander B. Thornton, New Ber-lin, Ill.—This invention has for its object to furnish an improved fender for protecting the plants from being covered and injured by having too much dirt thrown around or over them, and which shall at the same time be so constructed as to serve as a gage wheel to regulate the depth at which the plow works in the ground.

APPARATUS FOR CHARGING WOODS WITH PRESERVING LIQUIDS.—Wm. H. Smythe, Steubenville, Ohio.—This invention relates to improvements in ap-paratus for forcing preserving liquids into woods, and it consists in a com-bination of an air pump, liquid receptacle, and compression chamber, and an attaching device for connection to the wood or to a tank adapted for the employment of compressed air, or other equivalent gases for forcing the liquids in.

BLIND REGULATOR.—John T. O'Donoghue and Alex. Leavitt, New York city.—This invention relates to improvements in window blinds, and it con-sists in the application, to one or more of the slats, of a notched wheel, and one or more spring holding pawls to the stile, for holding the slats in any position in which they may be set, by turning them on their bearings, for closing or opening, to exclude or admit the light.

LEATHER PUNCHING AND FEEDING MACHINE.—Wm. Barry, Carthage, N. Y.—This invention relates to improvements in machinery for holding, punching, and feeding leather for hand sewing, and consists in a reciprocating punch-ingawl and pair of feeding rollers, a ratchet feeding mechanism and a foot power motion, combined in a simple attachment, which may be applied to a shoemaker's, harness maker's, or other leather worker's bench, in a way to be conveniently operated by the foot, to hold the leather, punch, and feed it along while the threads are passed through by hand, by which the work may be done very much faster than by the common way of hand sewing.

IMPROVED MODE OF REMOVING SLAG.—John Thomas, Hokenauqua, Pa.—This invention relates to an improved mode of removing the slag used in furnaces as a flux, after it has performed its office and is allowed to flow out; and it consists in running the slag, while in a fluid state, into a strong cur-rent of water, which, by its chemical action on the lime contained in it, dis-integrates the slag or liquid cinder, so that it will flow along with the current to some convenient place of deposit.

ANIMAL TRAP.—Ebenezer Oliver, New York city.—This invention has for its object to improve the construction of rectangular wire animal traps, so as to make them stronger, more durable, less liable to get out of order, less liable to frighten the animal trapped for, and more convenient in use.

WATER CUT-OFF.—Rufus M. Bixby, Iowa City, Iowa.—The object of this invention is to provide a cheap and convenient instrument by which water or other fluid may readily be cut off from one pipe and made to flow into another.

SEWING MACHINE SEAT.—Sarah A. Sexton, New York city.—This inven-tion relates to a new and useful improvement in a seat for sewing machines, and consists in connecting the same with the machine and in making it adjustable.

Official List of Patents.

ISSUED BY THE U. S. PATENT OFFICE.

FOR THE WEEK ENDING FEB. 14, 1871.

Reported Officially for the Scientific American.

SCHEDULE OF PATENT FEES

On each Caveat	\$10
On each Trade-Mark	\$25
On filing each application for a Patent, (seventeen years)	\$15
On issuing each original Patent	\$50
On appeal to Examiners-in-Chief	\$10
On appeal to Commissioner of Patents	\$20
On application for Reissue	\$30
On application for Extension of Patent	\$50
On extending the Extension	\$50
On filing a Disclaimers	\$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

For Copy of Claim of any Patent issued within 30 years.....\$1  
A sketch from the model or drawing, 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. 20, 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, 37 Park Row, New York.

- 111,714.—SEAT FOR VEHICLES.—D. R. Allen, Cumberland Me.
- 111,715.—COMPASS JOINT.—Theodore Alteneder, Philadel-phia, Pa.
- 111,716.—LEATHER TO RESEMBLE CLOTH.—Moritz Altmann Baltimore, Md.
- 111,717.—RECEPTACLES FOR STATIONARY ARTICLES, ETC.—W. F. Baack, Buffalo, N. Y.
- 111,718.—VENTILATOR.—G. R. Barker, Philadelphia, Pa.
- 111,719.—LEATHER PUNCHING AND FEEDING MACHINE.—William Barry, Carthage, N. Y.
- 111,720.—WATER CUT-OFF.—R. M. Bixby, Iowa City, Iowa. Antedated Feb. 2, 1871.
- 111,721.—STEAM RADIATOR.—G. W. Blake, New York city.
- 111,722.—REFRIGERATING OYSTER CAN.—Alfred Booth, Chi-cago, Ill.
- 111,723.—CURTAIN FIXTURE.—C. M. Brown and C. L. Gates, Hartford, Conn.
- 111,724.—COMPOSITION FOR PAVEMENTS.—C. P. Burgess and J. R. Stevenson, Rochester, N. Y.
- 111,725.—STUMP EXTRACTOR.—E. W. Cady, Tomah, Wis.
- 111,726.—SEED SOWER.—G. A. Carman, Deer Park, N. Y.
- 111,727.—DRAIN TILE.—A. W. Conley, Economy, Ind. Ante-dated Feb. 2, 1871.
- 111,728.—SASH BALANCE.—J. M. Connel, Newark, Ohio.
- 111,729.—STATIONARY BELL HOLDER.—Sylvester Croll (as signor to S. J. Phillips), Philadelphia, Pa.
- 111,730.—APPARATUS FOR LEACHING BARK, ETC.—H. C. Crowell, Morgan, Ohio.
- 111,731.—ORNAMENTING MIRRORS.—W. M. Davis, Mount Sinai, assignor to himself and S. S. Norton, Brooklyn, N. Y.
- 111,732.—NIGHT LATCH.—C. C. Dickerman, Boston, Mass. Antedated Feb. 4, 1871.
- 111,733.—WEIGHING SCALES.—Franklin Fairbanks and Marvin Padock, St. Johnsbury, Vt.
- 111,734.—TREATING BLOOD FOR THE MANUFACTURE OF FER-tilizers.—L. S. Fales (assignor to the American Fertilizing Company) New York city.
- 111,735.—HAY LOADER.—J. E. Fell and J. H. Mattocks, Ma-quoketa, Iowa.
- 111,736.—DRILL REST FOR TURNING LATHES.—H. H. Folsom, assignor to C. A. Chase, Lowell, Mass.
- 111,737.—PURIFIER, CONDENSER, ETC., FOR GAS WORKS.—Andrew Fulton, Albany, N. Y.
- 111,738.—PRUNING SHEARS.—E. D. Gaines and J. A. Mechil-len, Chicago, Ill.
- 111,739.—COTTON PRESS.—J. B. Gridley, Louisville, Ky., as-signor of one third his right to Robert Patterson and Chauncy Rice Antedated Feb. 2, 1871.
- 111,740.—INTERFERING PAD FOR HORSES.—W. H. Hall, Bos-ton, assignor to himself and J. W. Haskins, Charlestown, Mass.
- 111,741.—ARTIFICIAL LEG.—J. E. Hanger, Staunton, Va.
- 111,742.—AIR PUMP.—C. B. Hardick, Brooklyn, N. Y.
- 111,743.—EXTRACTING TURPENTINE FROM TREES.—B. I. Hazard, Georgetown, S. C.
- 111,744.—BARK MILL.—John Helenbrook, Olean, N. Y.
- 111,745.—ANIMAL TRAP.—A. A. Hotchkiss, Sharon, Conn.
- 111,746.—ADJUSTABLE BEVEL.—L. D. Howard, St. Johnsbury, Vt.
- 111,747.—CLOTHES DRYER.—L. D. Howard, St. Johnsbury Vt.
- 111,748.—PUMP.—John Humphrey, Keene, N. H., assignor James Wilson, Bridgeport, Conn.
- 111,749.—LITHOGRAPHIC PRESS.—Thomas Hunter, Philadel-phia, Pa.
- 111,750.—WASHING MACHINE.—W. G. Jones, Marshall Texas.
- 111,751.—RUBBER ROLLER FOR PAPER MACHINES.—R. A. Kelly, Lambertville, N. J. Antedated Jan. 30, 1871.
- 111,752.—SEWING MACHINE.—E. A. Kimball, Abingdon Mass.
- 111,753.—BASE-BURNING FIRE-PLACE HEATER.—Philip Klotz (assignor to B. C. Bibb), Baltimore, Md.
- 111,754.—COMBINATION TOOL.—J. B. Lamkin, Champaign, Ill.
- 111,755.—WAGON HOUND COUPLING BOX AND PLATE.—W. J. Lewis, Pittsburg, Pa.
- 111,756.—RUBBER BLOCK HOLDER FOR WAGON BRAKES.—W. J. Lewis, Pittsburg, Pa.
- 111,757.—POST-HOLE DIGGER.—Aaron E. Lindsley, Paw Paw Mich.
- 111,758.—BUTTER TUB, ETC.—William Marsh, Waterford Penn.
- 111,759.—BAKER'S OVEN.—Alexander Martin, Allegheny, Pa
- 111,760.—MILLSTONE FEEDER AND GRAIN SCOURER.—P. H. Massey, South Bend, Ind.
- 111,761.—STEAM LAND CARRIAGE.—Jerome B. McKinley, Spencer county, Ky.
- 111,762.—COMBINED KEY RING AND DOOR FASTENER.—B. H. Melendy, Manchester, N. H.
- 111,763.—PUMP VALVE.—Chas. L. Merrill, Watertown, N. Y. Antedated February 13, 1870.
- 111,764.—PLOW BEAM.—Samuel Holden Miller, Hamilton, Ill.
- 111,765.—MACHINE FOR MAKING CANDY.—Thomas Mills and George H. Mills, Philadelphia, Pa.
- 111,766.—RIDDLE AND THRASHING MACHINE.—Daniel Mur-phy (assignor to himself and Timothy C. Murphy), Dubuque, Iowa.
- 111,767.—CAR COUPLING.—James W. Musser and Ralph Carkhuff, Lewisburg, Pa.
- 111,768.—STEP AND TRAM-BOX FOR MILL SPINDLES.—W. G. Norment, Dyersburgh, Tenn.
- 111,769.—HAND-WASHING RUBBER.—Elwood R. Normy McDonough, Del.
- 111,770.—BLIND-SLAT REGULATOR.—John T. O'Donoghue and Alexander Leavitt, New York city.
- 111,771.—ANIMAL TRAP.—Ebenezer Oliver, New York city.
- 111,772.—ROLLED BAR FOR NUT BLANKS.—Henry W. Oliver, Jr., Pittsburg, Pa.
- 111,773.—STAMP CANCELER.—Amos D. Owen, Thorntown, Ind.
- 111,774.—CORN PLANTER.—John M. Parsons, Charles City, Iowa.
- 111,775.—SUPPORTING CORES.—Enos B. Phillips, Cambridge, Mass.
- 111,776.—ADJUSTABLE ATTACHMENT OF CAMS FOR FLIERS OF PRINTING PRESSES.—Charles Potter, Jr., Plainfield, N. J.
- 111,777.—CLOTHES AND HAT HOOK.—Reuben W. Randall Bladeford, Me.
- 111,778.—COFFEE MILL.—Francois Raymond, Woodhaven, N. Y., assignor to the Lalance and Grosjean Manufacturing Company New York city.