

116,627.—CORN SHELLER.—A. H. Patch, Hamilton, Mass.
 116,628.—SASH HOLDER.—A. W. Pennington, Rochester, N. Y.
 116,629.—CHAIR.—C. R. Peters, W. P. Taylor, San Francisco, Cal.
 116,630.—SETTING BOILERS.—O. Ranney, Corry, Pa.
 116,631.—BINNACLE.—G. W. Richey, H. E. Bixby, St. Louis, Mo.
 116,632.—LINE SUPPORTER.—T. Riley, Williamsburg, N. Y.
 116,633.—SEED PLANTER.—B. Saunders, Claverack, N. Y.
 116,634.—SATCHEL.—M. Schwerin, Newark, N. J.
 116,635.—KNIFE CLEANER.—J. Seeberger, West Troy, N. Y.
 116,636.—OIL TANK HEAD.—George Selden, Erie, Pa.
 116,637.—SHINGLE MACHINE.—C. Shelmidine, Summit, N. Y.
 116,638.—PRESERVING WOOD, ETC.—J. E. Stibel, Chicago, Ill.
 116,639.—CLOTHES DRYER.—D. C. Smart, Cambridgeport, Mass.
 116,640.—SHOT CARTRIDGE.—C. E. Sneider, Baltimore, Md.
 116,641.—CART BODY FASTENING.—E. Spading, Plainfield, N. H.
 116,642.—FIREARM.—G. R. Stetson, New Haven, Conn.
 116,643.—DRAIN PIPE.—J. W. Stockwell, Portland, Me.
 116,644.—DOOR SPRING.—M. F. Taber, Salem, Ohio.
 116,645.—SEWER TRAP.—S. Towle, New York city.
 116,646.—STOVE DOOR.—J. Van, Cincinnati, Ohio.
 116,647.—DRAWING PATTERNS.—O. B. Vandenberg, Findlay, O.
 116,648.—ROLLER SKATE.—G. Vincent, Stockton, Cal.
 116,649.—LATHING CHUCK.—A. H. Wagner, Prairie City, Ill.
 116,650.—BALING PRESS.—I. P. Walker, Milwaukee, Wis.
 116,651.—CEMENT.—I. Waterman, London, Canada.
 116,652.—INSECT TRAP.—L. I. Way, Annawan, Ill.
 116,653.—SHOE FASTENING.—E. Webb, Norfolk, Va.
 116,654.—DOOR STOP.—I. J. Wells, Willmar, Minn.
 116,655.—VALVE.—G. Westinghouse, Jr., Pittsburgh, Pa.
 116,656.—HOIST.—W. C. Williamson, Philadelphia, Pa.
 116,657.—FENCE.—T. C. Wood, Augusta, Mich.
 116,658.—NICKEL PLATING.—I. Adams, Jr., Boston, Mass.
 116,659.—FIRE ESCAPE.—E. Ale, Clearfield, Pa.
 116,660.—GAS LIGHTING.—A. N. Allen, R. H. Dewey, Pittsfield, Mass.

113,631.—BAG HOLDER.—I. Allen, Manchester, N. Y.
 116,662.—PAINT MILL.—W. R. Axe, Rockton, Ill.
 116,663.—CAR COUPLING.—D. H. Ball, Sinnamahoning, Pa.
 116,664.—BICARBONATE OF SODA.—W. H. Balmain, St. Helen's, England.
 116,665.—CLOTHES WRINGER.—E. G. W. Bartlett, Providence, R. I.
 116,666.—THRILL COUPLING.—A. Bedford, Cold Water, Mich.
 116,667.—BAGGAGE CHECK.—F. X. Bellerive, Plattsburg, N. Y.
 116,668.—DRAIN TILE.—H. Bissell, Hartford, Conn.
 116,669.—STEAM GAGE.—R. C. Blake, Cincinnati, Ohio.
 116,670.—STAVE JOINTER.—S. C. Bliin, Tecumseh, Mich.
 116,671.—STEAM PACKING.—A. O. Bourn, Providence, R. I.
 116,672.—PEGGING SHOES.—D. Bowker, Boston, Mass.
 116,673.—TRACK CLEARER.—M. C. Boyer, Norristown, Pa.
 116,674.—HEATING STOVE.—N. A. Boynton, New York city.
 116,675.—DAMPER.—N. A. Boynton, New York city.
 116,676.—FOLDING CHAIR.—C. Brad, New York city.
 116,677.—STOP MOTION.—H. C. Bradford, R. I.
 116,678.—CORN PLANTER.—E. Braggins, Mount Vernon, Ohio.
 116,679.—WINDOW BLIND.—W. E. Brock, New York city.
 116,680.—HEATER.—J. H. Burtis, Brooklyn, N. Y.
 116,681.—COOKING RANGE.—J. H. Burtis, Brooklyn, N. Y.
 116,682.—WAGON.—V. M. Chafe, Clay City, Ill.
 116,683.—ANIMAL POKE.—H. F. Chapin, Rochester, N. Y.
 116,684.—PACKAGE.—J. L. Cone, Waterloo, N. Y.
 116,685.—BOLT.—S. Corsett, O. D. Lowe, Middleville, Mich.
 116,686.—SAFE DOOR.—D. E. S. Covert, Chicago, Ill.
 116,687.—SHIRT BOSSOM.—C. Crowell, Syracuse, N. Y.
 116,688.—SAFE DOOR.—D. E. S. Covert, Chicago, Ill.
 116,689.—CHAIR.—G. Csapp, New York city.
 116,690.—ROLLER SKATE.—G. S. Curtis, Chicago, Ill.
 116,691.—WHEAT.—I. T. Curtis, J. W. Smith, Rochester, N. Y.
 116,692.—BUTTER.—S. Davis, New Trenton, Ind.
 116,693.—BOILER TILE.—W. Dillon, Wheeling, W. Va.
 116,694.—COTTON PICKER.—B. J. Dreeson, Schleswig, Germany, and J. L. Baskett, St. Louis, Mo.
 116,695.—ELECTRIC MACHINE.—L. Drescher, New York city.
 116,696.—CAR COUPLING.—H. W. Earl, Baltimore, Md.
 116,697.—KNOB LATCH.—H. H. Elwell, South Norwalk, Ct.
 116,698.—FURNACE.—W. Ferrie, Monkland, Eng.
 116,699.—COAL SCUTTLE.—Bridget Fielding, Cincinnati, O.
 116,700.—BEE HOUSE.—M. A. Glass, Independence, Iowa.
 116,701.—FURNACE.—B. Gommengingier, Rochester, N. Y.
 116,702.—AXLE BOX.—A. G. Goodyear, 2d, Hamden, Conn.
 116,703.—PUMP.—D. J. Gorton, Quincy, Ill.
 116,704.—LUBRICATOR.—H. Grogan, Flatbush, N. Y.
 116,705.—CARRIAGE SPRING.—E. Hall, Oxford, N. Y.
 116,706.—SASH HOLDER.—H. R. Halsey, La Fayette, Ill.
 116,707.—VALVE.—R. W. Hamilton, Hartford, Conn.
 116,708.—FLOWER BRACKET.—W. Hichborn, Charlestown, Ms.
 116,709.—PRESSING MACHINE.—E. S. Holloway, Columbiana, O.
 116,710.—HAT.—C. A. Hopkins, C. H. Reid, G. N. Raymond, J. S. Meeker, Danbury, Conn.

116,711.—LIQUID EVAPORATOR.—J. Howarth, Salem, Mass.
 116,712.—BED BOTTOM.—W. C. Hubbard, Hubbardston, Mich.
 116,713.—LEAD PENCIL.—P. Hufeland, New York city.
 116,714.—SASH FRAME.—J. L. Jackson, New York city.
 116,715.—SEWING MACHINE.—W. Johnson, Haverhill, Mass.
 116,716.—HARROW.—B. Johnston, Sterling, Ill.
 116,717.—GRIST MILL.—C. Kaestner, Chicago, Ill.
 116,718.—FRUIT GATHERER.—J. C. Kearns, Lewistown, Pa.
 116,719.—GRAIN DRILL.—B. Kuhns, Dayton, O.
 116,720.—COLORED PRINT.—M. Laemmel, Bay Ridge, N. Y.
 116,721.—CAR AXLE BOX.—J. J. Lahaye, Reading, Pa.
 116,722.—CASTER.—C. H. Latham, J. S. Lugg, Lowell, Mass.
 116,723.—FURNACE.—J. A. Lawson, Troy, N. Y.
 116,724.—FURNACE.—J. A. Lawson, Troy, N. Y.
 116,725.—HAME.—G. J. Letchworth, Auburn, N. Y.
 116,726.—PUNCHING MACHINE.—G. W. Lewis, Danville, N. Y.
 116,727.—STEAM BOILER.—W. A. Lighthall, New York city.
 116,728.—CONDENSER.—W. A. Lighthall, New York city.
 116,729.—DRYING FRUIT.—J. Lowe, Guilford county, N. C.
 116,730.—PISTON FACING MACHINE.—W. W. Lowerree, G. A. Sanderson, Albany, N. Y.

116,731.—HAIR CURLER.—I. S. Marcy, Nashua, N. H.
 116,732.—PENCIL SHARPENER.—J. McClure, Nashua, N. H.
 116,733.—COTTON PRESS.—A. B. McGonnigil, Helena, Ark.
 116,734.—PAVEMENT.—E. McMullen, Montreal, Canada.
 116,735.—HARVESTER.—J. I. Mettler, Mendota, Ill.
 116,736.—WEEDING TOOL.—P. Michael, Frostburg, Md.
 116,737.—LOCK.—D. K. Miller, Reading, Pa.
 116,738.—CAR COUPLING.—T. Morgan, Marquette, Mich.
 116,739.—GRIDDLE LIFTER.—M. D. Murphy, Watkins, N. Y.
 116,740.—RAILWAY.—J. B. Newbrough, New York city.
 116,741.—COTTON PLANTER AND CHOPPER.—A. R. Nixon, Polo, Ill.
 116,742.—BOTTLE FASTENER.—G. Otto, G. W. Bauer, Washington, D. C.
 116,743.—MOUSE TRAP.—Amos Ovaitt, Unionville, Conn.
 116,744.—BOOT WELT.—H. F. Packard, N. Bridgewater, Mass.
 116,745.—TRANSMITTING MOTION.—P. Palmlund, Brooklyn, N. Y.
 116,746.—SLEEPING CAR.—F. W. Parsons, Cleveland, O.
 116,747.—NAIL MACHINE.—A. W. Paull, J. Morgan, Jr., Wheeling, W. Va.
 116,748.—SOD CUTTER.—J. Pool, Rio Vista, Cal.
 116,749.—WATER WHEEL.—E. Poole, Gouverneur, N. Y.
 116,750.—BOOT CRIMPER.—E. Powell, New London, Ind.
 116,751.—STEAM PUMP.—W. E. Prall, Washington, D. C.

116,752.—TENDER.—W. E. Prall, Washington, D. C.
 116,753.—BOILER.—W. M. Pryor, R. Ludwick, Kellogg, Iowa.
 116,754.—GATE.—R. Ramsey, New Wilmington, Pa.
 116,755.—FENCE.—J. W. Rappleye, Farmer Village, N. Y.
 116,756.—SPRING VEHICLE.—A. Reichert, West Lodi, Ohio.
 116,757.—BINDING APPARATUS.—I. Reynolds, Dayton, Ohio.
 116,758.—BOOT HEEL.—F. Richardson, F. Hacker, Prov., R. I.
 116,759.—PAPER PULP.—F. F. Schliecker, Baltimore, Md.
 116,760.—TRAVELING BAG, ETC.—C. M. Shutz, E. Cambridge, Ms.
 116,761.—SEWING MACHINE.—J. B. Secor, Chicago, Ill.
 116,762.—OVEN.—I. H. Shaver, Cedar Rapids, Iowa.
 116,763.—SEPARATING ORES.—W. C. Shaw, Philadelphia, Pa.
 116,764.—COTTON CLEANER.—Z. B. Sims, Bonham, Texas.
 116,765.—PHOTOGRAPHING APPARATUS.—W. W. Sloan, Jefferson, Texas.
 116,766.—TAN VAT.—N. Smith, Mcallisterville, Pa.
 116,767.—UMBRELLA RUNNER.—O. M. Smith, Phila., Pa.
 116,768.—COOK STOVE.—J. Speaker, W. Dorn, Chicago, Ill.
 116,769.—HOIST.—G. Sprague, South Addison, N. Y.
 116,770.—FAN.—G. Stevens, J. W. Moyle, Cincinnati, Ohio.
 116,771.—PHOTOGRAPHING APPARATUS.—John and Jacob Stock, New York city.
 116,772.—PITCHING CHACKS.—B. J. Stukenborg, Cincinnati, O.
 116,773.—HUMMING TOY.—M. B. Sumner, Boston, Mass.
 116,774.—VENTILATOR.—A. B. Sweetland, Fitchburg, Mass.
 116,775.—ORDNANCE.—J. P. Taylor, Elizabethtown, Tenn.
 116,776.—CULTIVATOR.—J. J. Thompson, Columbus, Ohio.
 116,777.—BAG HOLDER.—T. J. Trapp, Williamsport, Pa.
 116,778.—INK FOUNTAIN.—W. V. Wallace, New York city.
 116,779.—SEWING MACHINE.—E. P. West, Jersey City, N. J.
 116,780.—DINNER PAIL.—G. Wetzler, Peoria, Ill.
 116,781.—COPYING PRESS.—A. Whitcomb, Worcester, Mass.
 116,782.—CIGAR BOX.—T. A. Wiley, Lancaster, Pa.
 116,783.—SEWING MACHINE.—C. H. Wilcox, New York, and C. Carlton, Brooklyn, N. Y.
 116,784.—CHAIR.—G. Wilson, Chicago, Ill.
 116,785.—SADDLE TREE.—G. Woods, St. Catharine's, Canada.
 116,786.—TOILET PASTE.—J. D. Young, San Francisco, Cal.
 116,787.—BRIDGE TRUSS.—A. Fink, Louisville, Ky.
 116,788.—FAN.—W. M. Bruton, Baltimore, Md.

REISSUES.

4,451.—Division A.—DECORTICATOR.—W. Ager, Washington, D. C.—Patent No. 92,556, dated July 13, 1869; reissue No. 3,788 dated January 11, 1870.
 4,452.—Division B.—DECORTICATOR.—W. Ager, Washington, D. C.—Patent No. 92,556, dated July 13, 1869; reissue No. 3,789, dated January 11, 1870.
 4,453.—CAPSTAN.—D. N. B. Coffin, Jr., Newtown Centre, Mass.—Patent No. 98,932, dated December 21, 1869.
 4,454.—EDGE PLANE.—I. A. Dunham, North Bridgewater, Mass.—Patent No. 13,237, dated Sept. 22, 1857.
 4,455.—DRAWERS.—H. G. Fisk, T. R. Clark, T. J. Flagg, New York city.—Patent No. 73,975, dated Feb. 4, 1868.
 4,456.—ARTIFICIAL STONE.—G. A. Frear, Chicago, Ill.—Pat. No. 73,965, dated Feb. 4, 1868.
 4,457.—MANUFACTURE OF GAS.—F. King, Richmond, Va.—Patent No. 74,230, dated Feb. 11, 1868.
 4,458.—PRESSING CIGARS.—A. Pearl, New York city.—Patent No. 108,296, dated Oct. 11, 1870.
 4,459.—HOLDING BRISTLES.—C. D. Rogers, Utica, N. Y., M. P. Wilkins, Jersey City, N. J.—Patent No. 70,270, dated October 29, 1867.
 4,460.—FRUIT JAR.—H. E. Shaffer, Rochester, N. Y.—Patent No. 96,490, dated Nov. 2, 1869.
 4,461.—HOE.—E. Warren, Ceresco, Mich.—Patent No. 102,891, dated May 10, 1870.
 4,462.—Division A.—PAINTING WIRE CLOTH.—C. H. Waters, Groton, Mass.—Patent No. 84,520, dated Dec. 1, 1868.
 4,463.—Division B.—PAINTING WIRE CLOTH.—C. H. Waters, Groton, Mass.—Patent No. 84,520, dated Dec. 1, 1868.

DESIGNS.

5,065 to 5,067.—RUBBER OVERSHOE.—A. O. Bourn, Providence, R. I.
 5,068.—ADVERTISING PRINT.—J. Brooks, Boston, Mass.
 5,069.—ALARM LOCK.—J. M. Case, North Lansing, Mich.
 5,070.—SHUTTER BAR.—L. Crooke, New York city.
 5,071.—SPOON HANDLE.—W. B. Durgin, Concord, N. H.
 5,072.—GAME BOARD.—W. Hearn, New York city.
 5,073.—CARPET PATTERN.—O. Heinigke, New York city.
 5,074 and 5,075.—FURNACE.—J. A. Lawson, Troy, N. Y.
 5,076.—CARPET PATTERN.—L. G. Malkin, New York city.
 5,077.—SPOON HANDLE.—E. C. Moore, Yonkers, N. Y.
 5,078 to 5,085.—CARPET PATTERN.—E. J. Ney, New York city.
 5,086.—BANNER PIN.—W. Riker, Newark, N. J.
 5,087.—MUFF BOX.—R. M. Seldis, New York city.
 5,088.—CARPET PATTERN.—John H. Smith, Enfield, Conn.
 5,089 and 5,090.—GROUP OF STATUARY.—A. Van Wart, New York
 5,091.—CHANDELIER.—T. Village, West Meriden, Conn.
 5,092.—CHANDELIER ARM.—T. Village, West Meriden, Conn.
 5,093.—SPOON HANDLE.—G. Wilkinson, Providence, R. I.
 5,094 and 5,095.—RUBBER OVERSHOE.—I. F. Williams, Bristol, R. I.

TRADE-MARKS.

360.—STEAM PACKING.—W. M. Canfield, Philadelphia, Pa.
 361.—SCREW WRENCH.—A. G. Coes & Co., Worcester, Mass.
 362.—MEDICINE.—D. Dick, New York city.
 363.—HOSIERY, ETC.—John P. Loring, Charlestown, Mass.
 364.—GLYCERIN SOAP.—Mark & Rawolle, New York city.
 365.—GIN.—L. Myers & Co., New York city.
 366.—SHERRY WINE.—L. Myers & Co., New York city.
 367.—MEDICINE.—Marie E. Perrin, Montreal, Canada.
 368.—RAZOR STEEL.—R. J. Roberts, New York city.
 369.—HAT.—Yates, Wharton & Co., Newark, N. J.

EXTENSIONS.

WHIFFLETREE HOOK.—Ann M. Cooley, Ceresco, Mich.—Letters Patent No. 17,668, dated June 30, 1857.
 IRON TRUSS FRAME.—F. C. Lowthorp, Trenton, N. J.—Letters Patent No. 17,684, dated June 30, 1857.

APPLICATIONS FOR EXTENSION OF PATENTS.

GANG PLOWS.—George W. Hildreth, Lockport, N. Y., has petitioned for an extension of the above patent. Day of hearing, September 27, 1871.
 MACHINE FOR CUTTING BRUGS.—Josiah Kirby, Cincinnati, Ohio, has petitioned for an extension of the above patent. Day of hearing, September 13, 1871.

Value of Extended Patents.

Did patentees realize the fact that their inventions are likely to be more productive of profit during the seven years of extension than the first full term for which their patents were granted, we think more would avail themselves of the extension privilege. Patents granted prior to 1861 may be extended for seven years, for the benefit of the inventor, or of his heirs in case of the decease of the former, by due application to the Patent Office, ninety days before the termination of the patent. The extended time inures to the benefit of the inventor, the assignees under the first term having no rights under the extension, except by special agreement. The Government fee for an extension is \$100, and it is necessary that good professional service be obtained to conduct the business before the Patent Office. Full information as to extensions may be had by addressing

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How Can I Obtain a Patent?

Is the closing inquiry in nearly every letter, describing some invention which comes to this office. A positive answer can only be had by presenting a complete application for a patent to the Commissioner of Patents. An application consists of a Model, Drawings, Petition, Oath, and full Specification. Various official rules and formalities must also be observed. The efforts of the inventor to do all this business himself are generally without success. After great perplexity and delay, he is usually glad to seek the aid of persons experienced in patent business, and have all the work done over again. The best plan is to solicit proper advice at the beginning. If the parties consulted are honorable men, the inventor may safely confide his ideas to them: they will advise whether the improvement is probably patentable, and will give him all the directions needful to protect his rights.

How Can I Best Secure My Invention?

This is an inquiry which one inventor naturally asks another, who has had some experience in obtaining patents. His answer generally is as follows and correct: Construct a neat model, not over a foot in any dimension—smaller, if possible—and send by express, prepaid, addressed to MUNN & Co., 37 Park Row, New York, together with a description of its operation and merits. On receipt thereof, they will examine the invention carefully, and advise you as to its patentability, free of charge. Or, if you have not time, or the means at hand, to construct a model, make a good pen and ink sketch of the improvement as possible, and send by mail. An answer as to the prospect of a patent will be received, usually, by return of mail. It is sometimes best to have a search made at the Patent Office; such a measure often saves the cost of an application for a patent.

Preliminary Examination.

In order to have such search, make out a written description of the invention, in your own words, and a pencil, or pen and ink, sketch. Send these with the fee of \$5, by mail, addressed to MUNN & Co., 37 Park Row, and in due time you will receive an acknowledgment thereof, followed by a written report in regard to the patentability of your improvement. This special search is made with great care, among the models and patents at Washington, to ascertain whether the improvement presented is patentable.

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Persons desiring to file a caveat can have the papers prepared in the shortest time, by sending a sketch and description of the invention. The Government fee for a caveat is \$10. A pamphlet of advice regarding applications for patents and caveats is furnished gratis, on application by mail. Address MUNN & Co., 37 Park Row, New York.

To Make an Application for a Patent.

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