

107,711.—TREATING TIN SCRAP FOR THE MANUFACTURE OF SPANNATH OF POTASH, ETC.—Adolph Ott, New York city.  
 107,712.—FURNACE FOR SMELTING SCRAP IRON.—Adolph Ott, New York city.  
 107,713.—TANNING.—C. F. Panknin, Charleston, S. C.  
 107,714.—IRONING MACHINE.—C. F. Parker, Greenfield, assignor to Joseph Parker, Goodhope, Ohio.  
 107,915.—FURNACE GRATE.—A. L. Pennock, Upper Darby, Pa.  
 107,716.—CAR VENTILATOR AND REFRIGERATOR.—William E. Phelps, Elmwood, Ill.  
 107,717.—TREADLE FOR SEWING AND OTHER MACHINES.—B. C. Cole, Washington, D. C.  
 107,718.—MACHINE FOR ORNAMENTING THE SURFACE OF WOOD, ETC.—T. T. Ponsonby, Nottingham, England.  
 107,719.—STEERING APPARATUS.—T. C. Purington, Vallejo, Cal.  
 107,720.—SHUTTER FASTENING.—Joshua Pusey, Philadelphia, Pa.  
 107,721.—HARVESTER RAKE.—Amos Rank, Salem, Ohio.  
 107,722.—COVER FOR STOVEPIPE HOLES.—Jos. A. Reed, Philadelphia, Pa.  
 107,723.—STEAM ENGINE.—W. F. Richardson, Pittsburgh, Pa.  
 107,724.—HINGE FOR SCHOOL DESKS.—A. E. Roberts, Des Moines, Iowa.  
 107,725.—TWEER.—Joseph Rogers, Detroit, Mich.  
 107,726.—ELEVATOR.—Theodore H. Rudiger, Lawrence, Kansas.  
 107,727.—HORSE-DETACHING DEVICE.—Anton Schmitt, Cincinnati, Ohio.  
 107,728.—HEAD-BLOCK FOR SAW MILLS.—George Selden, Erie, Pa.  
 107,729.—PROCESS OF UNITING RUBBER WITH WOOD.—F. B. Shearer, Columbus, Ohio.  
 107,730.—COTTON-SEED PLANTER.—Fletcher Sloan, Bolivar, Tenn.  
 107,731.—METALLIC TUBING.—C. G. Smith, Chelsea, assignor to American Metallic Tubing Co., Boston, Mass.  
 107,732.—BEEHIVE.—Jonathan L. Smith, Liberty Centre, Ill.  
 107,733.—SAW SET.—Wm. A. Smith, Dresserville, N. Y.  
 107,734.—MANUFACTURE OF HYDROCARBON OILS.—William Spears, Jamestown, N. Y.  
 107,735.—KILN.—P. C. Taylor, San Antonio, Texas.  
 107,736.—STEM-WINDING AND SETTING ATTACHMENT TO WATCHES.—F. R. Theurer, Chaux De Fond, Switzerland.  
 107,737.—VAPOR BURNER.—Wm. Thompson, Cleveland, assignor to himself, Jeremiah S. Bollman, and M. H. Kline, Mansfield, Ohio.  
 107,738.—SNAPPER CLEAT.—John T. Thompson, Southport, Me.  
 107,739.—LUBRICATOR.—Ernest Von Jeinsen, San Francisco, Cal.  
 107,740.—OYSTER TONGS.—Edward Ward, Smyrna, Del.  
 107,741.—VAPOR BURNER.—Henry Wellington, Chicago, Ill.  
 107,742.—BRUSH.—John L. Whiting, Boston, Mass.  
 107,743.—GAS CARBONIZING ATTACHMENT FOR STREET AND OTHER LIGHTS.—Samuel Whitney, Newark, N. J.  
 107,744.—FASTENING FOR NECKTIE.—W. A. Wicks, Baltimore, Md.  
 107,745.—MILL PICK.—S. G. Williams, Trumansburg, N. Y.  
 107,746.—AUTOMATIC CUT-OFF FOR STEAM ENGINE.—D. A. Woodbury, Rochester, N. Y.  
 107,747.—CURTAIN FIXTURE.—William P. Yates, Elmira, N. Y.  
 107,748.—STEAM ENGINE CONDENSER.—Harrison Anderson, Peoria, Ill.  
 107,749.—KNIT FABRIC.—C. J. Appleton (assignor to himself, Earl L. Stimson, and S. E. Stimson, Cohoes), N. Y.  
 107,750.—KNITTING MACHINE.—C. J. Appleton (assignor to himself, Earl L. Stimson, and S. E. Stimson, Cohoes), N. Y.  
 107,751.—FEEDING DEVICE FOR CARDING MACHINES.—J. W. Harbourn, Winoski Falls, Vt., assignor to himself and William Earl, Nashua, N. H.  
 107,752.—POLLED SHEET IRON.—Silas Barker and Henry S. Pratt, Hartford, Conn.  
 107,753.—SHOW CASE.—Milo M. Belding, Brooklyn, N. Y.  
 107,754.—CULTIVATOR PLOW.—Victor Bolis, St. Mary's parish, La.  
 107,755.—REED BOARD FOR ORGANS.—Riley Burdett, Chicago, Ill.  
 107,756.—CEMENT WALK, PAVEMENT, AND ROAD.—Charles Burgess, Rochester, N. Y.  
 107,757.—PLANE.—T. O. Callahan, Boston, Mass.  
 107,758.—SADDLE FOR SPINNING MACHINES.—J. S. Casey, Voluntown, Conn.  
 107,759.—FANNING MILL.—G. E. Clarke, Racine, Wis.  
 107,760.—CORN CULTIVATOR.—Jesse Clements, Blooming Grove, Ind.  
 107,761.—CORN SHELLER, ETC.—G. S. Coleman, Alexandria, Va. Antedated September 21, 1870.  
 107,762.—ADJUSTABLE STOP FOR CASTER FOR STOVE LEGS.—William Coughlin, Clarksville, Ohio.  
 107,763.—CLOTHES DRYER.—Lewis Cutting, San Francisco, Cal.  
 107,764.—CURTAIN FIXTURE.—John Doyle, Hoboken, N. J.  
 107,765.—SPLINT PLANE.—P. N. Drake and David Drummond, McGregor, Iowa.  
 107,766.—INGOT MOLD.—Z. S. Durfee, Troy, N. Y.  
 107,767.—REMOVABLE SHOE LINING.—H. A. Everts, Cedar Falls, Iowa.  
 107,768.—GRINDSTONE OR TOOL-SHARPENER.—Uriah Paris and Abraham Miller, Red Rock, Iowa.  
 107,769.—LIQUID METER.—Wilhelm Fischer (assignor to Fischer & Stiehl), Essen, Prussia.  
 107,770.—SETTING OF FENCE POSTS.—William Fulkerson, Three Rivers, Mich.  
 107,771.—COFFEE ROASTER.—H. M. Gilbert, Ada, Ill.  
 107,772.—PICKER COLLAR.—J. M. Gotham, Blackstone, Mass., assignor to himself and Lewis Devlin, Central Falls, R. I.  
 107,773.—SASH HOLDER.—P. W. Greenwood, Peterborough, N. H.  
 107,774.—BEDSTEAD CLAMP.—T. B. Gregory, Champaign, Ill.  
 107,775.—PERMUTATION LOCK.—W. N. Hall, Springfield, Iowa.  
 107,776.—SLED.—B. E. Hemmway (assignor to himself and W. L. Prince, Portland, Me.  
 107,777.—CULTIVATOR.—Louis Homrighouse, Baltimore, Ohio.  
 107,778.—LOCKING-CAP FOR BOTTLE.—J. T. Hough, New York city. Antedated September 25, 1870.  
 107,779.—SELF-ACTING FILTS FOR BARRELS.—Isaac Hudson and William Minshall, Stockport, Great Britain.  
 107,780.—GRATE FOR FURNACE.—R. A. Hutchinson, Bergen, N. J.  
 107,781.—CONVERTING CAST IRON AND CAST IRON ARTICLES INTO STEEL.—R. A. Jackson (assignor to himself, William H. Hughes, Hugh Bleakly, H. P. McIntosh, F. M. Orr, and Peter Replinger), Alliance, Ohio.  
 107,782.—THILL COUPLING.—J. H. Jennings, New Bedford, Mass.  
 107,783.—CARRIAGE AXLE.—Henry Killam, New Haven, Conn.  
 107,784.—HARVESTER CUTTER HOLDER FOR GRINDERS.—T. E. King, Cleveland, and G. C. Dolph, West Andover, Ohio.  
 107,785.—WHIFFLETREE.—Judson Knight, Newark, N. J.  
 107,786.—SPOOL HOLDER.—J. C. Koch and B. J. Beck, Brooklyn, assignors to Koch, Sons & Co., New York city.  
 107,787.—MANUFACTURE OF SPIRITS FROM STARCH.—Hermann Koehler, New York city.  
 107,788.—PITMAN HEAD.—J. L. Kretser, Tusten, Wis.  
 107,789.—WATER WHEEL.—Dennis Lane, Montpelier, Vt.  
 107,790.—WRENCH.—O. C. Lawbaugh, Shanestown, Ohio.  
 107,791.—MUSIC STAND.—Carl Lehnert, West Roxbury, assignor to B. F. Richardson, Cambridge, Mass.  
 107,792.—BEEHIVE.—Joseph Leffel and Edward Harrison, Springfield, Ohio.  
 107,793.—WASHING MACHINE.—Gottlob Lieb, Coeyman's Hollow, N. Y.

107,794.—APPLE CORER AND QUARTERER.—B. J. McFeely, Chestnut Springs, Pa.  
 107,795.—MACHINE FOR RULING AND COPYING.—Green McHenry, Louisa, Ky.  
 107,796.—PLANTER AND DISTRIBUTOR.—Duncan McKellar, Selma, Ala.  
 107,797.—GRAIN BINDER.—Daniel McPherson, Caledonia, N. Y.  
 107,798.—RAILWAY RAIL.—Richard Montgomery, New York city.  
 107,799.—EARTH CLOSET.—W. H. Newton, Newport, R. I.  
 107,800.—DYEING FURS.—Philip Norden and Hermann Mischo, New York city.  
 107,801.—AUTOMATIC GATE.—Michael Orewiler (assignor to J. R. Aucherman), Bucyrus, Ohio.  
 107,802.—BIRD CAGE.—G. R. Osborn, Bridgeport, Conn.  
 107,803.—COVER FOR COOKING UTENSILS.—L. B. Oviatt, Brooklyn Village, Ohio.  
 107,804.—HARVESTER REEL.—C. N. Owen, Salem, Ohio.  
 107,805.—WATER WHEEL.—Ezra Parker, Beverly, Ohio.  
 107,806.—HEATING STOVE.—Nathan Parish, Kalamazoo, Mich. Antedated September 21, 1870.  
 107,807.—HOISTING MACHINE.—Nathan Parish, Kalamazoo, Mich.  
 107,808.—SAW.—John Phillips, Chicago, Ill.  
 107,809.—MANUFACTURE OF ILLUMINATION GAS.—E. A. Pond, G. H. Pond, and M. S. Richardson, Rutland, Vt. Antedated September 24, 1870.  
 107,810.—MANUFACTURE OF FRICTION MATCH CIGAR LIGHTER.—William Porter, St. Stephen, Canada.  
 107,811.—LIQUID FOR GALVANIC BATTERIES.—Emil Prevost, New York city.  
 107,812.—BEDSTEAD FASTENING.—C. D. Purdy, La Porte, Ind.  
 107,813.—SPRING HINGE FOR DOORS, ETC.—Andrew Rankin, Philadelphia, Pa.  
 107,814.—CAR COUPLING.—Bennett R. Rose, Kansas City, Mo.  
 107,815.—MANUFACTURE OF ASPHALTIC COMPOSITION FOR PAVEMENTS, ROADS, ETC.—Albert Ruttkay, New York city.  
 107,816.—VAPOR GENERATING BURNER FOR STOVES.—D. E. Ryan, St. Louis, Mo.  
 107,817.—KITCHEN BOILER.—William B. Scaife, Pittsburgh, Pa.  
 107,818.—SAUCEPAN.—Fridolin Schifferle, St. Louis, Mo.  
 107,819.—SPRING HINGE FOR DOORS, ETC.—A. F. Schiffling, Evansville, Ind.  
 107,820.—STONE-WORKING MACHINE.—C. F. Schlickeysen, Berlin, Prussia.  
 107,821.—REFRIGERATOR.—Samuel R. Scoggins, Baltimore, Md.  
 107,822.—EXTENSION LADDER.—J. W. Scott, Philadelphia, Pa.  
 107,823.—GRAIN BINDER.—Gilman A. Scribner, Rochester, N. Y.  
 107,824.—SHIELD FOR GAS BURNERS.—Ira W. Shaler, Brooklyn, N. Y.  
 107,825.—STOVEPIPE SHELF.—James H. Shaut, Andover, N. Y.  
 107,826.—LUBRICATOR.—Levi F. Smith, Philadelphia, Pa.  
 107,827.—SHOVEL.—Wm. H. Smith, Jackson, Pa.  
 107,828.—PLOW.—Cyrus Snyder, Middletown, Ill.  
 107,829.—GANG PLOW.—Naaman Spencer, Jr., Eagle Point, Ill.  
 107,830.—DEVICE FOR ACTUATING THE VALVES OF FLUID METERS.—D. B. Spooner, Syracuse, N. Y.  
 107,831.—CORPSE PRESERVER.—Samuel Stockton and John Schepler, Lambertville, N. J.  
 107,832.—HORSE HAY RAKE.—J. C. Stoddard, Worcester, Mass.  
 107,833.—SEPARATING ANIMAL FROM VEGETABLE FIBERS.—James Stuart, London, England. Patented in England, August 6, 1869.  
 107,834.—MILK PAIL.—Church Tabor, Craftsbury, Vt.  
 107,835.—LANTERN.—Church Tabor, Craftsbury, Vt.  
 107,836.—PAPER FILE.—Church Tabor, Craftsbury, Vt.  
 107,837.—CAR COUPLING.—B. Terry, Pittsford, and W. G. Hawley, Gorham, N. Y.  
 107,838.—WATER PIPE.—John F. Ward, Jersey City, N. J.  
 107,839.—MEAT HOOK.—Samuel Weaver, Pottstown, Pa.  
 107,840.—STEAM GENERATOR.—William Weston, William R. Weston, N. R. Weston, and Burt Brett, Stevens' Point, Wis.  
 107,841.—PUMP VALVE.—James T. Whipple, Chicago, Ill.  
 107,842.—CARDING-MACHINE TEETH.—William H. Whiting, Wilmington, Conn., assignor to himself and Marcus M. Johnson.  
 107,843.—HARNESS SADDLE-TREE.—P. H. Wiedersum, New York city.  
 107,844.—ANIMAL TRAP.—John J. Wood, North Manchester, Ind. Antedated September 17, 1870.  
 107,845.—WHIP-SOCKET CLASP.—Alva Worden, Ypsilanti, Mich.  
 107,846.—WOOL-WASHING MACHINE.—John Yewdall and Wm. Yewdall, Philadelphia, Pa.  
 107,847.—MACHINE FOR CUTTING STONE.—Hugh Young, Middletown, Conn., and James L. Young, New York city. Antedated September 26, 1870.  
 107,848.—MANUFACTURE OF ILLUMINATING GAS.—William Young, Magdalen Bridge, and Peter Brash, Leith, Scotland. Patented in England, April 6, 1870.

**REISSUES.**  
 4,129.—TANNING AND STUFFING LEATHER.—W. B. Britting-ham, La Fayette, Ind. Patent No. 98,916, dated January 18, 1870.  
 4,130.—COFFEE MILL.—Thomas W. Brown, Boston, Mass., assignor to Charles Parker, Meriden, Conn.—Patent 105,545, dated July 19, 1870.  
 4,131.—LUBRICATOR.—H. A. Daniels (assignor to the Daniels, Nichols & Gaylor Manufacturing Company), Waterbury, Conn. Patent No. 92,283, dated July 6, 1869.  
 4,132.—FURNACE FOR ROASTING ORES.—E. P. Hudson, New York city, assignor to the Hudson Ore-Refining Company. Patent No. 78,456, dated June 2, 1865.  
 4,133.—REIN HOLDER FOR CARRIAGES.—Elias C. Patterson, Rochester, N. Y. Patent No. 62,879, dated March 12, 1867.  
 4,134.—COMPOSITION FOR COVERING STEAM BOILERS, STEAM PIPES, ETC.—John Riley and C. W. Bissell (assignors, through mesne assignments, to the United States and Foreign Salamander Feltling Co.), Troy, N. Y.—Patent No. 95,517, dated October 5, 1869.  
 4,135.—MILLSTONE DRESS.—Joseph Sedgebeer, Painesville, Ohio.—Patent No. 35,858, dated July 8, 1862.  
 4,136.—SOLAR CAMERA.—W. H. Masters, Princeton, Ill.—Patent No. 59,917, dated November 20, 1866.

**DESIGNS.**  
 4,361.—BLOWER HOLDER.—F. W. Brocksieper (assignor to Sargent & Co.), New Haven, Conn.  
 4,362.—FIRE-SET HOLDER.—F. W. Brocksieper (assignor to Sargent & Co.), New Haven, Conn.  
 4,363.—FIRE-DOOR.—F. W. Brocksieper (assignor to Sargent & Co.), New Haven, Conn.  
 4,364.—DOOR PULL.—F. W. Brocksieper (assignor to Sargent & Co.), New Haven, Conn.  
 4,365.—COOK STOVE.—Henry H. Culver, Kansas City, Mo.  
 4,366 and 4,367.—CORSET.—D. H. Fanning, Worcester, Mass. Two patents.  
 4,368.—FIGURE OF A MECHANICAL TOY.—Wm. C. Goodwin, Hamden, Conn.  
 4,369.—MECHANICAL TOY FIGURE.—Wm. C. Goodwin, Hamden, Conn.  
 4,370.—FIGURE OF A MECHANICAL TOY.—Wm. C. Goodwin, Hamden, Conn.  
 4,371.—CRADLE-PLATE OF GATE LATCH.—Job Johnson, Brooklyn, N. Y.  
 4,372.—BALDIE.—William Riker, Newark, N. J.  
 4,373.—PUNCH DRAWER.—Alonzo H. Rowe, Newburyport, Mass.  
 4,374.—STOVE PLATE.—N. S. Vedder and Francis Ritchie, Troy, N. Y., assignors to N. S. Vedder.

**APPLICATIONS FOR THE EXTENSION OF PATENTS.**  
 METHOD OF APPLYING STEAM TO, AND OF CUTTING SCARFS FROM WOOD.—George U. White, Belfast, Me., has petitioned for the extension of the above patent. Day of hearing Nov. 16, 1870.

MAKING STEEL.—John Neville, of Brooklyn, N. Y., has petitioned for the extension of the above patent. Day of hearing Nov. 23, 1870.  
 MACHINE FOR FORGING IRON.—Silas S. Pulman, Neponset, Mass., has petitioned for an extension of the above patent. Day of hearing Nov. 23, 1870.  
 MACHINE FOR GRINDING SAWS.—Edmund Andrews, Williamsport, Pa., has applied for an extension of the above patent. Day of hearing Nov. 30, 1870.  
 MODE OF SECURING SPRINGS IN UPHOLSTERY.—Wendell Wright, Bloomfield, N. J., has applied for an extension of the above patent. Day of hearing Nov. 30, 1870.  
 MACHINERY FOR WEAVING SHADE CORD.—Thomas Nelson, Troy, N. Y., has applied for an extension of the above patent. Day of hearing Nov. 30, 1870.  
 MACHINERY FOR GRINDING PAPER PULP.—Joseph Kingsland, Jr., Franklin, N. J., has petitioned for an extension of the above patent. Day of hearing Nov. 30, 1870.  
 LOOM.—Benjamin G. Dawley, North Providence, R. I., has petitioned for an extension of the above patent. Day of hearing Dec. 7, 1870.

## New Patent Law of 1870.

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