

107,945.—BALANCED SLIDE VALVE.—G. F. Morse, Portland, Me.
 107,946.—EXPANDING TAP.—Frank Murgatroyd, Cleveland, Ohio.
 107,947.—PIANO LOCK.—John Murphy, Roslindale, assignor to O. J. Faxton, Boston, Mass.
 107,948.—DAMPER REGULATOR.—J. H. Murrill (assignor to himself and L. R. Kelzer), Baltimore, Md.
 107,949.—ICE CREAM PAIL.—G. A. Nash, Niles, Mich.
 107,950.—RAILWAY CAR COUPLING.—Nathan Norris, Buchanan, Mich.
 107,951.—APPARATUS FOR DRAWING AND MEASURING OIL.—Person Noyes, Lowell, Mass.
 107,952.—TIE FOR BAGS, GRAIN, ETC.—G. W. Osborn, Parkville, Mich.
 107,953.—WIRE.—J. S. Parsons, Windham, assignor to himself and A. S. Winchester, South Windham, Conn.
 107,954.—CULTIVATOR.—H. N. Pease, Toledo, Ohio.
 107,955.—FRICTION ROLLER FOR RAILWAY CAR TRUCKS.—Jethro Pencille, Lockport, N. Y., assignor to himself and Cornelius Hood.
 107,956.—CURTAIN FIXTURE.—F. G. Peoble, New York city. Antedated September 10, 1870.
 107,957.—APPARATUS FOR WASHING ORES AND MINERALS.—Edwin Platt, Charleston, S. C.
 107,958.—MACHINE FOR WASHING ORES AND OTHER MINERAL SUBSTANCES.—J. B. Platt, Augusta, Ga.
 107,959.—WASHING MACHINE.—C. M. Powers and T. L. Robinson, Flushing, N. Y.
 107,960.—TREE AND PLANT PROTECTOR.—D. R. Prindle, East Bethany, N. Y.
 107,961.—HULL OF VESSELS.—L. P. Rider (assignor to himself, William Yagle, and A. Ward), Pittsburgh, Pa.
 107,962.—MANUFACTURE OF ICE.—Moritz Rosenstein, Boston, Mass.
 107,963.—DEVICE FOR SPREADING CIRCULAR SAW TEETH.—W. H. Rudolph, Clarksville, Tenn.
 107,964.—HAND STAMP.—H. W. Safford, New York city.
 107,965.—LINK CONNECTING THE HANDLES AND VALVE-RODS OF PUMPS.—Samuel Selden and Matthew Griswold, Erie, Pa.
 107,966.—HEAD BLOCK FOR SAW MILL.—F. W. Shelley, Muncie, Ind.
 107,967.—ROOFING.—George Shove, Yarmouth Port, Mass.
 107,968.—TEMPORARY PAPER BINDER.—F. M. Smith, Syracuse, N. Y.
 107,969.—READING GLASS.—J. H. Smith, Brooklyn, E. D., N. Y.
 107,970.—ADJUSTABLE TIME TABLE.—L. J. Smith (assignor to himself and H. D. Blake), New York city.
 107,971.—CAR COUPLING.—L. J. Smith (assignor to himself and H. D. Blake), New York city.
 107,972.—CORN HARVESTER.—M. A. Smith, Middlefield, N. Y.
 107,973.—PLOW.—C. W. Snead, Milledgeville, Ga.
 107,974.—DEVICE FOR ATTACHING STEELS TO CORSETS.—W. A. Starrett and H. E. Starrett, Lawrence, Kansas. Antedated September 24, 1870.
 107,975.—GUANO DISTRIBUTER.—E. R. Stedman, Sparta, Ga.
 107,976.—CONSTRUCTION OF STEAM BOILERS AND TANKS.—H. J. Stein, Hannibal, Mo.
 107,977.—STEAM PUMP.—C. L. Stevens, Galesburg, Ill., assignor to himself, A. A. Dentan, and D. G. Dentan. Antedated September 26, 1870.
 107,978.—SHAFT COUPLING.—Timothy F. Taft, Worcester, Mass., assignor to Anrin Wood and J. F. Light.
 107,979.—MECHANISM FOR OPERATING COMBER BOARDS.—J. S. Tumpleton, Glasgow, Great Britain.
 107,980.—GRAIN AND SEED DRILL.—G. M. Thirkittle, Belleville, Mich.
 107,981.—MACHINE FOR LASTING SHOES.—C. H. Trask, Lynn, Mass.
 107,982.—DRYER.—Edmund Trowbridge and Jas. M. Jones, Detroit, Mich.
 107,983.—LOCOMOTIVE.—J. M. Ure, Glasgow, Great Britain. Patented in England March 18, 1868.
 107,984.—ROTARY BAKE OVEN.—Joseph Vale, Beloit, Wis.
 107,985.—GRINDER FOR HARVESTER CUTTER.—S. O. Vaughan, and P. W. Vaughan, DeKalb, Ill.
 107,986.—THRASHER AND SEPARATOR.—Albert A. Walker (assignor to W. C. Leyburn, and G. A. Flisk), Sparta, Wis.
 107,987.—FURNACE GRATE.—Abner B. Weeks, Rockland, Me.
 107,988.—RAILWAY CAR COUPLING.—G. W. Wheat, Phillipsburg, Pa.
 107,989.—CORRUGATED METALLIC PAVEMENT.—Geo. Wilkes, New York city.
 107,990.—COMBINED HORSE-POWER AND BALING PRESS.—C. A. Wright, Rodney, Miss.
 107,991.—WASHING MACHINE.—George Wright, Savannah, Mo.
 107,992.—TYPE PLANNER.—Walter Sumner Wright, Chicago, Ill.
 107,993.—ELECTRO-MAGNETIC SAFE LOCK.—Charles O. Yale, New York city. Antedated September 24, 1870.
 107,994.—THRASHING MACHINE.—Joseph Allonas, Mansfield, Ohio.
 107,995.—SPRING BED.—Lewis Anderson, Chicago, Ill.
 107,996.—CLOTHES RACK.—Herman Baumann and Urban Mueller, Canton, Ohio.
 107,997.—COMPOUND FOR COLORING PAPER AND OTHER FABRICS.—Frederick Beck, New York city.
 107,998.—NUT LOCK.—Jonathan Bell, New York city.
 107,999.—FEATHER RENOVATOR.—Elias Bickell and Michael F. Noracok, Milton, Pa.
 108,000.—AUXILIARY TABLE ATTACHMENT.—James Blake, Scranton, Pa.
 108,001.—RADIATOR.—Edward Bourne, Pittsburgh, Pa.
 108,002.—SUBSOIL PULVERIZING ATTACHMENT FOR PLOW.—L. D. Burdick, Paris, Ky.
 108,003.—KNITTING MACHINE.—W. W. Burson and John Nelson, Rockford, Ill. Antedated Sept. 30, 1870.
 108,004.—PLOW.—Manlove Butler, Vernon, Ind.
 108,005.—APPARATUS FOR CARBURETING AIR AND GAS.—Henry A. Chapin, New York city.
 108,006.—LIFE PRESERVER.—E. M. Crandal, Marshalltown, Iowa. Antedated September 26, 1870.
 108,007.—VEGETABLE CUTTER.—Francis Curtis, Brattleborough, Vt.
 108,008.—CLOTHES DRYER.—W. A. Daggett, Landis township, N. J.
 108,009.—GAS RETORT.—Darius Davison, New York city.
 108,010.—CLAPBOARD GAGE.—Abram Deyo, Rockford, Ill.
 108,011.—SAW.—Henry Disston, Philadelphia, Pa.
 108,012.—BRICK MACHINE.—D. P. Dobbins and James Sangster, Buffalo, N. Y.
 108,013.—MACHINE FOR MILLING CARRIAGE-SPRING HEADS.—William Evans, New Haven, Conn.
 108,014.—FLUE.—Nelson Fouche, New Orleans, La.
 108,015.—MACHINE FOR SCRAPING CHAIR-BACKS.—Erastus S. French, Westminster, Mass.
 108,016.—ROTARY ENGINE.—Samuel Gibson, Lancaster, assignor to himself and I. W. G. Wierman, York, Pa.
 108,017.—BOAT FOR BARN-DOORS, ETC.—M. R. Green, Warwick, N. Y.
 108,018.—BED BOTTOM.—Benjamin Gregg, Bennington, Vt.
 108,019.—WASHING MACHINE.—Luke Hale, Hollis, N. H.
 108,020.—SEWING MACHINE.—Thomas J. Harper, Atlanta, Ga.
 108,021.—MEAT MANGLER.—James T. Harvey and William Dixon, Marysville, Pa.
 108,022.—REVOLVING FIRE-CRACKER PISTOL.—J. H. Hawes and Orville W. Brock, Monroeton, Pa., assignors to J. H. Hawes.
 108,023.—TRIP-HAMMER AND ANVIL STOCK.—J. C. Higgins, Skowhegan, Me.
 108,024.—SNAP HOOK.—Asahel A. Hotchkiss, Sharon, Conn.
 108,025.—BEER FAUCET.—Christian Jakob, New Orleans, La.
 108,026.—MOLDING CUTTER.—Nicholas Jenkins, New York city.
 108,027.—PANELING MACHINE.—Nicholas Jenkins, New York city. Antedated September 24, 1870.
 108,028.—TOY TORPEDO.—T. J. Johnson (assignor to H. P. Piel & Co.), Cincinnati, Ohio.

108,029.—GAS REGULATOR.—Peter Keller, New York city.
 108,030.—COMPOSITION FOR DESTROYING WORMS IN FRUIT TREES.—Solomon Kepner, Pottstown, Pa.
 108,031.—GATE.—Solomon Kepner, Pottstown, Pa.
 108,032.—PLOW AND PLANTER.—Peter Kling, Springfield, Ill.
 108,033.—SEWING MACHINE.—Albert Komp, New York city.
 108,034.—PUTTING UP MEDICINE.—Frederic Kraus, Cincinnati, Ohio.
 108,035.—CHURN.—Alexander Ladd, St. Lawrence, N. Y.
 108,036.—HOMINY-MILL.—John K. Leedy, Maurertown, Va.
 108,037.—CULTIVATOR.—James R. Little, Galesburg, Ill.
 108,038.—ADDRESSING MACHINE.—James McPatrick, Lena, Ill.
 108,039.—BUSTLE.—Donald McInroy, Brooklyn, E. D., N. Y.
 108,040.—SAW.—W. F. Millman (assignor to Henry Disston & Son), Philadelphia, Pa.
 108,041.—ELECTRO-PHOTO DAMASKING AND ENAMELING.—A. G. Morvan, New York city.
 108,042.—METAL PLATE OF IRON AND STEEL.—Jas. Myers, Jr., Williamsburgh, N. Y.
 108,043.—CUSHION, MATTRESS, ETC.—T. H. O'Brien, Providence, R. I.
 108,044.—CORN PLANTER AND MARKER.—Floyd Ogden, Fisherville, Ky., assignor to himself and J. T. Rose, Utica, Ind.
 108,045.—MILLSTONE BUSH AND BEARING.—Andrew Ortlip, East Vincent, Pa.
 108,046.—SHOW STAND.—Joseph R. Palmenberg, New York city.
 108,047.—SHOVEL PLOW.—P. B. Parcell, Ashmore, Ill.
 108,048.—FRUIT DRYER.—Oliver P. Pence, Des Moines, Iowa.
 108,049.—FANNING MILL.—Christian Peterson, Red Wing, Minn.
 108,050.—WATER HEATER.—Jas. Raisbeck and T. A. Raisbeck, New York city.
 108,051.—SEED PLANTER.—Blachman A. Ramsey, Trenton, Tenn.
 108,052.—SHUTTER FASTENER.—Andrew Rankin, Philadelphia, Pa.
 108,053.—WHEELBARROW.—R. M. Reynolds, East Saginaw, Mich.
 108,054.—WASHING MACHINE.—Abner Riggs, Frostburg, Md.
 108,055.—COMPOSITION FOR COVERING STEAM BOILERS, AND OTHER PURPOSES.—John Riley, Troy, N. Y., assignor to the United States and Foreign Salamander Feltng Co.
 108,056.—FIELD ROLLER AND FURROWING MACHINE.—M. M. Robbins, Centerville, Ind.
 108,057.—LAND ROLLER.—I. W. Searles, Tiffin, Ohio.
 108,058.—MANUFACTURE OF IRON AND STEEL.—Lorenzo Sibert, Staunton, Va. Antedated Sept. 24, 1870.
 108,059.—SAW.—John Smith (assignor to Henry Disston and Hamilton Disston), Philadelphia, Pa.
 108,060.—TANNING VAT.—J. E. Smith and C. L. Smith, South Dedham, Mass.
 108,061.—EARTHEN TEAPOT.—Thomas Smith, Jr., Boston, Mass.
 108,062.—SHAFT COUPLING FOR VEHICLE.—John Steele, Sheldon, Ill.
 108,063.—BUTTON HOOK AND HANDKERCHIEF HOLDER COMBINED.—G. D. Stevens, New York city.
 108,064.—LANTERN.—Peter Sweeney, New York city.
 108,065.—CORN PLANTER.—Nathan Swigart, Richfield, Ohio.
 108,066.—TONGS FOR FORGING THE ARMS ON FIFTH WHEELS.—Wales Terrell, Ansonia, Conn.
 108,067.—METALLIC BINDING FOR TEXTILE FABRICS.—Jas. Twamley, New York city.
 108,068.—TILES FOR ROOFING, ETC.—William Utley, Troy, N. Y.
 108,069.—HARVESTER.—A. H. Wagner, Chicago, Ill.
 108,070.—SAUSAGE STUFFER.—Henry Whaler, Henry Metz, and Ludwig Heinze, Freeport, Ill.
 108,071.—CAP FOR HORSE COLLAR.—J. F. Walsh, Hazel Green, Wis.
 108,072.—RENDERING LEATHER IMPERVIOUS TO HYDROCARBON LIQUIDS.—Albin Warth, Stapleton, N. Y.
 108,073.—LETTER BOX.—E. C. Weld (assignor to himself and T. C. Glazier), New York city.
 108,074.—SEWING-MACHINE TABLE.—J. J. Wheat, Wheeling, W. Va.
 108,075.—SECTIONAL STEAM GENERATOR.—Harry Whittingham, New York city.
 108,076.—HAY KNIFE.—Daniel H. Wile, New Pittsburgh, Ohio.
 108,077.—UMBRELLA.—R. C. Williams, Frankfort, Ky.
 108,078.—LAMP BURNER.—Samuel R. Wilmot, Bridgeport, Conn.
 108,079.—JOURNAL BOX.—E. D. Murfey, New York city, assignor to Manhattan Packing Manufacturing Co.
 108,080.—JOURNAL BEARING.—E. D. Murfey, New York city, assignor to Manhattan Packing Manufacturing Co.
 108,081.—JOURNAL BOX.—E. D. Murfey, New York city, assignor to Manhattan Packing Manufacturing Co.

REISSUES.

4,137.—DEODORIZING APPARATUS FOR CLOSET.—Earth Closet Company, Hartford, Conn., assignee of Henry Moulle and Henry John Girdlestone.—Patent No. 31,474, dated June 15, 1869. Division A.
 4,138.—EARTH CLOSET.—Earth Closet Co., Hartford, Conn., assignee of Henry Moulle and H. J. Girdlestone.—Patent No. 31,474, dated June 15, 1869. Division B.
 4,139.—HARVESTER.—Rufus Dutton, Yonkers, N. Y.—Patent No. 31,709, dated March 19, 1861; reissue No. 1,762, dated Sept. 13, 1864. Division A.
 4,140.—COCK.—J. P. Gallagher, St. Louis, Mo.—Patent No. 48,673, dated July 11, 1865.
 4,141.—WASHING APPARATUS.—J. T. Grose (assignor to himself and W. E. Kinnear), Upper Sandusky, Ohio.—Patent No. 98,585, dated Jan. 4, 1870.
 4,142.—MACHINE FOR BUNDLING WOOD.—W. L. Williams and T. J. O'Connor, New York city, assignees of W. L. Williams.—Patent No. 26,147, dated Nov. 15, 1859.
 4,143.—POSTOFFICE POST-MARKING AND CANCELING HAND STAMP.—M. P. Norton (assignor to H. M. Inghalls), Troy, N. Y., Patent No. 38,175, dated April 14, 1863; reissue No. 1,748, dated Aug. 23, 1864; reissue No. 3,586, dated Aug. 3, 1869. Division A.
 4,144.—HAND CANCELING STAMP.—M. P. Norton, Troy, N. Y., assignor, by mesne assignments, to the "Secombe Manufacturing Co.," New York city.—Patent No. 38,175, dated April 14, 1863; reissue No. 1,748, dated August 23, 1864; reissue No. 3,586, dated August 3, 1869. Division B.
 4,145.—FRUIT BASKET.—Lauren Carpenter, St. Joseph, Mich.—Patent No. 102,488, dated May 3, 1870.
 4,146.—TABLE LEAF SUPPORTER.—G. L. Gerard, New Haven, Conn.—Patent No. 106,353, dated Aug. 16, 1870.
 4,147.—COAL HOD.—E. A. Jeffery, New Haven, Conn.—Patent No. 52,856, dated Feb. 27, 1866.
 4,148.—MANUFACTURE OF RUBBER OR GUTTA-PERCHA HOSE.—Edward L. Perry and Charles Manheim, New York city, assignors to the Combination Rubber Company, and the Gutta-percha and Rubber Manufacturing Company.—Patent No. 92,353, dated July 6, 1869.

DESIGNS.

4,375.—CLOCK FRONT.—John H. Bellamy, Charlestown, Mass., assignor to S. D. Niles and Benjamin A. Ward of three fourths of his right.
 4,376.—STOVE PLATE.—L. W. Harwood (assignor to Fuller, Warren & Co.), Troy, N. Y.
 4,377 to 4,379.—IRON RAILING FOR HORSE STALL.—J. L. Jackson, New York city. Three Patents.
 4,380.—LID OF A FEED CUP IN BIRD CAGE.—Otto Lindemann, New York city.
 4,381.—MEDALLION OR CAMEO.—Leopold Salomons, London, England, assignor to J. W. Chisholm and K. Chisholm, New York city.
 4,382.—SPOON AND FORK HANDLE.—B. D. Beiderhase, New York city.
 4,383.—COLLAR BOX.—A. L. Elliot, Boston, Mass.
 4,384.—BOX FOR HOLDING AND DISPLAYING BRAIDS, TAPES, ETC.—S. B. Fleischer, Philadelphia, Pa.
 4,385.—PLATE FOR PITCHER STAND.—H. O. Fritsch, New York city.
 4,386.—KNITTED FABRIC.—Edward Greasy, Philadelphia, Pa.

4,387.—COFFIN.—E. T. Smith and J. S. Winston, New York city.
 4,388.—DRESS GOODS.—Matthew Townsend, Canton, Mass.

APPLICATIONS FOR THE EXTENSION OF PATENTS.

MACHINE FOR HUSKING CORN.—Robert Bryson, Schenectady, N. Y., has applied for an extension of the above patent. Day of hearing Nov. 23, 1870.
 MOWING MACHINE.—Andrew M. Hall, of Falmouth, Me., has petitioned for an extension of the above patent. Day of hearing Dec. 7, 1870.
 MANUFACTURING CALENDER ROLLS.—John Worsley, Providence, R. I., has applied for an extension of the above patent. Day of hearing Dec. 7, 1870.
 MACHINES FOR POINTING SHOE PEGS.—George Hoyt, Ashland (formerly Holderness), N. H., has petitioned for an extension of the above patent. Day of hearing Dec. 7, 1870.

New Patent Law of 1870.

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