

SAFETY ATTACHMENT FOR STREET RAILROAD CARS.—John Fogarty, Brooklyn, N. Y.—This invention has for its object to furnish an improved attachment for street railroad cars, which shall be so constructed and arranged as to prevent any person or thing that may be upon the track from being run over by the wheels, or from throwing the cars from the track.

FURNITURE CASTER.—C. G. Wilson, Brooklyn, N. Y.—This invention has for its object to furnish an improved furniture caster, which shall be so constructed and arranged that it will allow the table, or other article to which it may be attached, to be moved freely in any direction, and which shall, at the same time, be simple in construction, strong, durable, and not liable to get out of order.

CORN HARVESTER.—G. W. S. Bell, Talulla, Ill.—This invention has for its object to furnish an improved corn harvester, which shall be so constructed and arranged as to cut two rows at a time and deposit it in bundles upon the ground, and which shall be simple in construction, effective in operation, and easily guided when at work.

PLOW.—A. Boles, Kinder, Ind.—This invention has for its object to furnish an improved plow, simple in construction, strong, and durable, which may be readily adjusted for uses as a single or double plow, and which may be attached to the framework of a buggy for use as a gang plow or cultivator.

CORN PLANTER.—Henry Baughman, Columbus, Ohio.—The object of this invention is to provide for public use a simple, and convenient corn planter which can be worked by hand or other power.

WATER WHEEL.—P. H. Lamey and A. J. Beachell, Port Treverton, Pa.—This invention consists in making the outer part of each of the buckets of a water wheel a swinging gate hinged to the inner rigid part.

FLOATING VELOCIPED.—L. D. Bunn, Morristown, N. J.—This invention relates to a new floating velocipede, which consists of two floats or vessels, that carry a platform on which the axle of the propelling paddle wheel, that fits between the two floats has its bearings, and that carry each a rudder at the stern end. The two rudders are connected with each other, and by means of ropes or chains with the steering lever, so that they will be moved in the same direction, thereby insuring greater certainty of action.

DEVICE FOR PUMPING BY THE MOTION OF THE OARS.—Robert R. Spedden and E. Clifford Spedden, Astoria, Oregon.—This invention has for its object to pump a boat by the motion communicated to the oars in the operation of rowing.

CLOTHES DRYER.—T. C. Collins, Little Hocking, Ohio.—This invention relates to a new and useful improvement in apparatus for drying clothes, and consists in the construction and arrangement and combination of parts whereby the facilities usually afforded by clothes dryers are greatly increased.

IRONING BOARD.—D. E. Crosby, South Vineland, N. J.—This invention relates to a new and useful improvement in ironing boards for laundry use, and consists in so constructing the board that it may be adjusted to any ordinary table, and it also consists in attaching an additional ironing board to the main board.

OVEN.—Mrs. Clarissa Preston, Wheeling, W. Va.—This invention consists, first, in supporting the grates upon the doors of the ovens, whereby they may be withdrawn from the ovens when the doors are opened, and restored thereto when the doors are closed; secondly, in an arrangement of sliding grate, whereby it is prevented from falling from its supports when drawn out for the reception of the articles to be baked; and, thirdly, in certain arrangements of devices for handling the hot plates and pans.

Official List of Patents.

Issued by the United States Patent Office.

FOR THE WEEK ENDING SEPT. 7, 1869.

Reported Officially for the Scientific American.

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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, are furnished 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, No. 37 Park Row, New York.

- 94,463.—PROPELLER FOR VESSELS.—Adolphe Aubert, Nogent-le-Rotrou, France.
94,464.—ANIMAL TRAP.—F. P. Baker (assignor to himself and J. R. Lowe), Boston, Mass. Antedated Sept. 4, 1869.
94,465.—COMPOSITION FOR WHITE WASHING.—James Baker, Ijamsville, Md.
94,466.—STOMACH BITTERS.—Moses Becker, Philadelphia, Pa.
94,467.—SEWING MACHINE.—N. P. Bradish, Jerseyville, Ill.
94,468.—SPOKE-TENONING MACHINE.—F. H. Brinkkotter, Callahan's Ranch, Cal.
94,469.—HAND CAR FOR RAILROADS.—H. L. Brown, Adrian, Mich.
94,470.—MECHANISM FOR HOLDING BOLSTERS IN SPINNING MACHINES.—E. S. Burlingame, Uxbridge, Mass.
94,471.—MANUFACTURE OF PIG IRON.—John Burt, Detroit, Mich.
94,472.—WEATHER STRIP.—H. W. Carew, Norwich, Conn.
94,473.—SCHOOL-DESK AND SEAT.—Aaron Chandler, Davenport, Iowa.
94,474.—STOVEPIPE THIMBLE.—E. C. Chapman, Lacon, Ill.
94,475.—APPARATUS FOR EMPTYING SUGAR KETTLES.—C. H. Collins and W. B. McClure, Alexandria, Va.
94,476.—GAS BURNER.—J. W. Cremin, New York city.
94,477.—STOVE-POLISHING BRUSH.—L. C. Crowell, West Dennis, Mass. Antedated Aug. 25, 1869.
94,478.—SEEDING MACHINE.—N. C. Dawson, Steele's Post-Office, Ind.
94,479.—PROCESS OF PREPARING GRAIN FOR MASHING.—F. W. De Spessbourg, Province of Normandy, France.
94,480.—HAY SPREADERS.—Norman Eaton, Woburn, Mass. Antedated April 14, 1869.
94,481.—COTTON CULTIVATOR.—Emile Enete, Catahoula, parish, La.
94,482.—REVOLVING CULTIVATOR.—W. A. Estes, South China, Me.
94,483.—DUMPING TUB.—J. S. Evans, Berkeley, Mass.
94,484.—WRENCHES FOR ELEVATING PUMP TUBES.—J. A. Fleming, Shamburg, Pa.
94,485.—DUMPING WAGON.—D. S. Gardner, Bristol, Md.
94,486.—EXTENSION-TABLE SLIDE.—S. J. Genung, Waterloo, N. Y.
94,487.—FOLDING BAGGAGE CHECK.—E. H. Graves, Chicago, Ill.
94,488.—COTTON GIN.—B. D. Gullett, Amite City, La.
94,489.—CORN PLOW.—Lewis Guthrie, Waterloo, Ind.
94,490.—DOUBLE CORN PLOW.—Lewis Guthrie, Waterloo, Ind.
94,491.—GANG PLOW.—F. A. Hill, Marysville, Cal.

- 94,492.—COATING IRON OR STEEL WITH COPPER OR BRASS, OR OTHER ALLOYS OF COPPER.—G. J. Hinde, Wolverhampton, England. Patented Feb. 26, 1869.
94,493.—ROOFING MATERIAL.—Benjamin Hinkley, Troy, N. Y.
94,494.—CAR VENTILATOR.—Robert Hitchcock, Springfield, Mass.
94,495.—PLASTIC CEMENT.—George E. Hopkins, Harwich, Mass.
94,496.—ANIMAL TRAP.—John Hughson, Buffalo, N. Y.
94,497.—CULTIVATOR.—John Luth, Kankakee, Ill.
94,498.—STEAMER FOR AGRICULTURAL AND OTHER PURPOSES.—A. T. Manly, Buffalo, N. Y.
94,499.—WASHING MACHINE.—M. S. Marshall, Somerville, assignor to J. T. and J. S. Folsom, Boston, Mass.
94,500.—SAW FRAME.—Daniel Moore and Edwin Moore, Brooklyn, E. D., N. Y.
94,501.—WASH TUB.—Bernard Morahan, Brooklyn, N. Y.
94,502.—ANIMAL TEDDER.—Daniel Newton, Southington, Conn.
94,503.—RASP.—W. S. Nicholson (assignor to the Nicholson File Co.), Providence, R. I.
94,504.—HAND WEEDER.—A. F. Noyes and N. D. Beecroft, Bangor, Me.
94,505.—SLEIGH SHOE.—H. C. Overman (assignor to himself J. Q. A. Crosby), Chicago, Ill.
94,506.—CHURN.—R. D. Ozburn, Lena, Ill.
94,507.—PUMP.—Joel Patrick, Pitt county, N. C.
94,508.—APPARATUS FOR ASSAYING AND TESTING ORES AND METALS.—J. S. Phillips, San Francisco, Cal.
94,509.—PROCESS OF CONCENTRATING AND GRANULATING SACCHARINE LIQUIDS.—John Pickles, Wigan, England.
94,510.—CONSTRUCTION OF SHIPS.—David Pierce, Woodstock, Vt.
94,511.—PAPER-BAG MACHINE.—J. P. Pultz, Plantsville, Conn. Antedated Sept. 1, 1869.
94,512.—DEVICE FOR AIDING COMBUSTION IN STEAM GENERATORS.—G. W. Rawson, Cambridgeport, assignor to himself and M. Hittinger, Somerville, Mass.
94,513.—BRICK KILN.—James V. B. Remsen, New York city. Antedated Aug. 27, 1869.
94,514.—PRUNING SHEARS.—Wm. Richard, Clyde, Ohio.
94,515.—WASHING MACHINE.—M. A. Richardson, Sherman, N. Y.
94,516.—RAILWAY RAIL SPLICE.—B. Robinson, Boston, Mass. Antedated Aug. 21, 1869.
94,517.—PLATFORM SCALE.—Lyman M. Severance, Dixon, Ill.
94,518.—TREADLES FOR MACHINERY.—Jasper H. Singer, New York city.
94,519.—STAY AND GUIDE BAR FOR ELLIPTIC SPRINGS FOR VEHICLES.—J. E. Siegel and Eli Siegel, Reading, assignors to themselves and J. K. Herts, Lancaster county, Pa.
94,520.—BRAD SETTER.—C. E. Smith, Columbus, Ohio.
94,521.—CARRIAGE WHEEL.—T. R. Smith, San Francisco, Cal.
94,522.—TRUSS.—Henry Spillmann, New Orleans, La.
94,523.—GOVERNING DEVICE FOR STEAM ENGINES.—Peter A. Stewart, Lucesco, Pa.
94,524.—COMBINED KNOB LATCH AND LOCK.—W. H. Sullenberger, Harrisburgh, Pa. Antedated Aug. 25, 1869.
94,525.—RAILWAY CAR BRAKE.—J. W. Swales, San Francisco, Cal.
94,526.—MAIL BAG.—Z. T. Sweet, Davisville, Cal.
94,527.—CLOTHES DRYER.—A. L. Taylor, Springfield, Vt.
94,528.—RAILWAY RAIL CHAIR.—A. B. Thompson, Owego, N. Y.
94,529.—BRIDGE.—W. P. Trowbridge, Newtown, N. Y.
94,530.—RAILWAY CAR BRAKE.—Inglis Walker (assignor to himself and W. R. Barnard), Lynn, Mass.
94,531.—OVERSHOE.—A. G. Waterhouse, San Francisco, Cal.
94,532.—METALLIC ALLOY FOR FILTERING OILS, AND FOR THE MANUFACTURE OF PAINTS, CEMENTS, ETC.—James Webster, Birmingham, Great Britain.
94,533.—LAMP BURNER.—J. H. Weeden, Waterbury, Conn., assignor to Seoville Manufacturing Co.
94,534.—BRIDGE GATE.—Alexander Weide, Chicago, Ill.
94,535.—LANTERN.—Wm. Westlake, Chicago, Ill.
94,536.—LANTERN.—Wm. Westlake, Chicago, Ill.
94,537.—ATTACHMENT FOR COOKING STOVES.—D. N. Aillard, Chester Hill, Ohio.
94,538.—GAS HEATER.—Boyd Allen (assignor to himself and S. C. Pratt), Boston, Mass.
94,539.—DITCHING MACHINE.—J. S. Anderson and James B. Cooley, Clark's Hill, Ind.
94,540.—HULLING MILL.—C. S. Bailey, New York city.
94,541.—RAILWAY CROSSING FOR CONE WHEELS.—Hugh Balnes, Manchester, England.
94,542.—CULTIVATOR.—Job McNamee Baker, Fayetteville, Texas.
94,543.—TWEER.—J. W. Barron, Hillsborough, Ill.
94,544.—MACHINE FOR MAKING RAILROAD SPIKES.—John W. Bartlett and David P. Bosworth, Harmar, Ohio.
94,545.—APPARATUS FOR LIGHTING GAS BY ELECTRICITY.—Wm. W. Batchelder, Boston, Mass.
94,546.—CORN PLANTER.—Henry Baughman, Columbus, Ohio.
94,547.—RAILWAY CAR COUPLING.—R. W. Baylor, Norfolk, Va.
94,548.—TABLE LEAF SUPPORT.—A. Belchambers, Ripley, Ohio.
94,549.—CORN HARVESTER.—G. W. S. Bell (assignor to himself and H. C. Bell), Talulla, Ill.
94,550.—ICE PITCHER.—Wm. Bellamy, Newark, N. J.
94,551.—WASHBOARD.—Wm. Bellus and C. Bowers, Fredonia, Ohio.
94,552.—BLANK BOOT HEELS.—H. H. Bigelow, Worcester, Mass.
94,553.—CHAIR SEAT.—Osmore A. Bingham, Gardner, Mass.
94,554.—PLOW.—Abram Boles, Kinder, Ind.
94,555.—MACHINE FOR BREAKING THE LEAVES AND STEMS OF TOBACCO.—Nicholas H. Borgfeldt, New York city.
94,556.—SELF-CLOSING TELEGRAPH KEYS.—W. Clay Bowers, Wheatland, Iowa.
94,557.—CLAMP.—M. V. Brigham, Mannsville, N. Y.
94,558.—MODE OF CLOSING PAPER BAGS.—Morgan W. Brown, New York city.
94,559.—FLOATING VELOCIPED.—Lewis P. Bunn, Morristown, N. J.
94,560.—WARDROBE BEDSTEAD.—Sanford S. Burr, Dedham, and Levi Pierce, Charlestown, Mass.
94,561.—GRATE BAR FOR BOILERS.—David Byard, Sharon, Pa.
94,562.—CLOTHES DRYER.—Edward Carter, Rensselaer, N. Y.
94,563.—STOP COCK.—John C. Chapman, Cambridgeport, Mass.
94,564.—OIL CAN.—Charles Chinnock, Brooklyn, N. Y., assignor to I. Little Hyde, New York city. Antedated August 27, 1869.
94,565.—VELOCIPEDE.—Wm. B. Clark, Whitefield, Me.
94,566.—BALANCED VALVES.—Daniel Collins, Girard Ala.
94,567.—CLOTHES DRYER.—T. C. Collins, Little Hocking, Ohio.
94,568.—MACHINE FOR PRESSING TOBACCO.—Thomas Cope and George Cope, Liverpool, England.
94,569.—FLY TRAP.—J. J. Craig, Knoxville, Tenn.
94,570.—REFLECTOR FOR STREET LAMPS.—Joseph W. Cremin, New York city.
94,571.—LOOM.—George Crompton, Worcester, Mass.
94,572.—IRONING BOARD.—D. E. Crosby, South Vineland, N. J.
94,573.—PROPELLING APPARATUS.—James S. Cunningham (assignor to himself and George Le Cronier), New York city.
94,574.—MEAL AND FLOUR DRYER.—Henry Cutler (assignor to S. N. Cutler & Co.), Ashland, Mass.
94,575.—KNITTED STOCKING.—Anthony G. Davis and Charles W. Blakeslee, Watertown, and Ebenezer B. Beecher, New Haven, Conn.
94,576.—JACK SPOOL.—Daniel R. Day, Rindge, N. H., and John G. Folsom, Winchendon, Mass.
94,577.—BRECH-LOADING FIRE-ARM.—Faustino Valdes Diaz, New York city.
94,578.—WEED GATHERER FOR PLOWS.—Loyal M. Dodge, New Mount Pleasant, Ind.
94,579.—RAILWAY CAR COUPLING.—Thomas B. Dora, Mattoon, Ill.

- 94,580.—PROGRESSIVE KILN.—Helmuth Dueberg, Baltimore, Md.
94,581.—COMPOUND TO BE USED AS A MORDANT IN DYEING AND PRINTING.—F. S. Dumont, New York city.
94,582.—WATER ELEVATOR.—D. A. Dunham, Pilatka, Fla.
94,583.—BEEHIVE.—Homer M. Dunham and Bishop Addington, Centerville, Ind.
94,584.—STILL.—Charles K. Dutton, New Berne, N. C.
94,585.—LOCK NUT.—W. P. Ewing and Isaac S. De Ford, Elkton, Md.
94,586.—CHURN DASHER.—Miles Fisk, Arian, Mich.
94,587.—SAFETY ATTACHMENT FOR STREET RAILWAY CARS.—John Fogarty, Brooklyn, N. Y.
94,588.—FLOATING VELOCIPED.—Wm. Frankel, Springfield Ohio.
94,589.—SULKY HARROW.—W. H. H. Frye, North Fryeburg, Me.
94,590.—CUTTER HEAD.—John Gage, Henniker, N. H.
94,591.—MACHINE FOR FORMING SHELLS FOR DRY MEASURES.—John Gage, Henniker, N. H.
94,592.—SAWING MACHINE.—Peter Geiser, Waynesborough, Pa.
94,593.—PARLOR STOVE.—John H. Goodfellow, Troy, N. Y.
94,594.—COMPRESSED AIR ENGINE.—Edwin H. Grant, Washington, D. C.
94,595.—CLOTHES DRYER.—Andrew Harbison (assignor to himself and Eli N. Houk), Newcastle, Pa.
94,596.—MANUFACTURE OF ILLUMINATING GAS.—George W. Harris, Elizabeth, N. J., and Henry Holdrege, New York city.
94,597.—BREAST LOOP FOR HAMES.—William B. Hayden, Columbus, Ohio.
94,598.—CLOTHES RACK.—V. M. Heath, Morristown, Vt.
94,599.—WINDOW BLIND.—Stephen Hebron, Buffalo, N. Y.
94,600.—VEGETABLE CUTTER.—R. Hemenway, New Cassel, Wis.
94,601.—RAILWAY SPIKE.—C. L. Heywood, Boston, Mass.
94,602.—COTTON AND HAY PRESS.—J. J. Hines, Evergreen, Ala.
94,603.—SPRING.—George Hopsom and Joseph H. Mason, Bridgeport, Conn.
94,604.—BURGLAR ALARM.—James J. Jackson, Curwinstown, Pa.
94,605.—COMPOSITION FLUX FOR MANUFACTURE OF IRON AND STEEL.—Jacob Jameson, Philadelphia, Pa.
94,606.—HINGE.—Wm. Johnson, Cincinnati, Ohio.
94,607.—RAILWAY RAIL JOINT.—William Johnston, Havlock, Pa.
94,608.—HARVESTER GUARD.—J. Herva Jones and Miles S. Prentice, Rockford, Ill.
94,609.—PLOW.—A. C. Judson (assignor to himself and E. O. Judson), Grand Rapids, Ohio.
94,610.—FORCE PUMP HAVING CONCENTRIC PISTONS.—Peter M. Kafer, Trenton, N. J.
94,611.—APPARATUS FOR DISTILLING AND RECTIFYING SPIRITS.—Gottlob Kaiser, New York city.
94,612.—JOINT STANDARD SLED.—Isaiah Kingman, Waltham, Me.
94,613.—PERMUTATION LOCK.—W. F. Kistler (assignor to himself and Joseph L. Hall), Cincinnati, Ohio.
94,614.—TURBINE WATER WHEEL.—P. H. Lamey and A. J. Beachell, Port Treverton, Pa.; P. H. Lamey assigns to George Kuhn and P. K. Knights.
94,615.—EXTENSION CHAIR.—Frederick William Lange, Chicago, Ill.
94,616.—MEDICAL COMPOUND.—David Langell, Apple Creek, Ohio.
94,617.—EXTENSION TABLE.—Charles Ph. Lenz, Poughkeepsie, N. Y.
94,618.—APPARATUS FOR PROPELLING MACHINERY.—E. J. Leyburn, Lexington, Va.
94,619.—CHURN.—A. Lloyd, Millersburg, Ill.
94,620.—SYRINGE.—H. D. Lockwood, Charlestown, Mass.
94,621.—FIRE KINDLER.—Augustus Lodeman and Meyer Desenberg, Kalamazoo, Mich.
94,622.—WAGON BRAKE.—John Ludeke (assignor to himself and Jacob Biehler), Griffin's Corners, N. Y.
94,623.—WALKING CULTIVATOR.—Edward P. Lynch and Henry R. Raff, Davenport, Iowa.
94,624.—WIND WHEEL.—A. I. Maxwell, Morrison, Ill.
94,625.—COAL STOVE.—H. D. McGeorge, Rochester, N. Y.
94,626.—PRESERVING WOOD FROM DECAY AND MILDEW.—A. R. McNair, New York city.
94,627.—STOVE GRATE.—John Moran, Washington, D. C.
94,628.—PLAITING ATTACHMENT FOR SEWING MACHINES.—Aaron Morehouse and A. R. Heath, Danbury, Conn.
94,629.—EDGING TOOL FOR HARNESS MAKERS.—O. W. Morley, Tarrytown, N. Y.
94,630.—DIE FOR FORGING FRENCH CLIPS FOR CARRIAGES.—F. B. Morse, Plantsville, Conn.
94,631.—PRINTERS' INKING ROLLER FROM RUBBER SPONGE.—Stephen Moulton, Bradford-on-Avon, England. Patented in England May 9, 1868.
94,632.—PICTURE FRAME.—A. A. Murfey, Montville, assignor to himself and N. D. Morgan, Norwich, Conn.
94,633.—FAN.—O. R. Nitsch, New York city.
94,634.—PLOW.—Henry Nolte, Lincoln, Ill.
94,635.—GRAIN MILL.—James Norman, New Orleans, La.
94,636.—PLOW.—O. Osborn, Trumansburg, N. Y.
94,637.—PLOW.—W. F. Paggett, Springfield, Ohio.
94,638.—CIRCULAR SAW MILL.—Francis Parker, Cato, N. Y.
94,639.—DOOR LOCK.—N. Petre, New York city.
94,640.—SPINDLE AND FLYER.—Jean Joseph Jules Pierrard, Reims, France.
94,641.—WIND WHEEL.—William M. Piper, Blue Earth City, Minn.
94,642.—ANIMAL TRAP.—Clark Polley, Shelbyville, Tenn.
94,643.—OVEN.—Clarissa Preston, Wheeling, West Va.
94,644.—HORSE HAY FORK.—Emanuel Raber, Roanoke, Ind.
94,645.—CHURN.—J. L. Ressler, Ramsburg, Pa.
94,646.—CHURN.—Edward Reynolds, Omro, Wis.
94,647.—PROJECTILE.—J. D. Richards, Muscatine, Iowa.
94,648.—MANUFACTURE OF BOOTS AND SHOES.—E. P. Richardson, Lawrence, Mass.
94,649.—CLUTCH.—W. I. Risedorph, Albany, N. Y.
94,650.—MILLSTONE DRIVER.—D. B. Ritter, Glasgow, Ky.
94,651.—ASH SIFTER.—D. T. Robinson, Boston, Mass.
94,652.—RAILWAY SIGNAL.—A. F. B. Roche and W. H. McLeod, Jersey City, N. J.
94,653.—MACHINE FOR NAILING THE SOLES TO THE UPPERS OF BOOTS AND SHOES.—J. F. Sargent, Melrose, assignor to Elmer Townsend, Boston, Mass. Patented in England Nov. 5, 1868.
94,654.—MACHINE FOR NAILING AND PEGGING BOOTS AND SHOES.—J. F. Sargent, Melrose, assignor to Elmer Townsend, Boston, Mass. Patented in England Nov. 5, 1868.
94,655.—MILK HOUSE.—Fritz Schaller, Mattoon, Ill.
94,656.—SOFA BEDSTEAD.—Adam Schwaab, New York city.
94,657.—GARDEN PLOW.—Robert Scott, La Porte, Ind.
94,658.—COOKING STOVE.—J. H. Shear, Albany, N. Y.
94,659.—GRAIN MEASURER.—J. W. Smith and Heinrich Griesa, North Cohocton, N. Y.
94,660.—DEVICE FOR PUMPING BY THE MOTION OF THE OARS.—R. R. Spedden and E. C. Spedden, Astoria, Oregon.
94,661.—CHEESE HOOP.—J. L. Sprague, Hermon, N. Y.
94,662.—CORN HARVESTER.—Lucas Stadler, Bownsburg, Ill.
94,663.—PLOW.—James Stephens, Agency City, Iowa.
94,664.—MODE OF FASTENING ARTIFICIAL TEETH.—E. C. Stone, Galesburg, Ill.
94,665.—DIRECT-ACTING ENGINE.—John Storer, New York.
94,666.—STEAM GENERATOR.—James Stuart, San Francisco, Cal.
94,667.—PLOW.—Moses Tessier, Cairo, Ill.
94,668.—SAWING MACHINE.—Hiram Thompson (assignor to Richard Ball and E. P. Halsted), Worcester, Mass.
94,669.—GOLD-DIGGING APPARATUS.—Denison Tisdale, Des Moines, Iowa.
94,670.—SPRING FOR UPHOLSTERY, CHAIR, CAR, AND OTHER SEATS.—E. W. Tucker, Lowell, Mich.
94,671.—COTTON-SEED PLANTER.—W. F. Tunnard (assignor to F. D. Tunnard), East Baton Rouge Parish, La.

- 94,672.—CAMERA STAND.—A. E. Turnbull, Upper Sandusky, Ohio.
- 94,673.—HAND TRUCK.—B. W. Tutbill, Oregon City, Oregon.
- 94,674.—SEEDING MACHINE.—D. C. Van Brunt, G. W. Van Brunt, and Hiram Barber, Horicon, Wis.
- 94,675.—COOKING STOVE.—N. S. Vedder, Troy, N. Y.
- 94,676.—TOY VELOCIPÈDE.—N. S. Warner, Bridgeport, Conn.
- 94,677.—SEWING MACHINE.—Albin Warth, Stapleton, N. Y., assignor to himself and Eberhard Faber, New York city.
- 94,678.—SCROLL-SAWING MACHINE.—R. M. Washburn, Burlington, Iowa.
- 94,679.—BOILER OR STEW PAN.—William B. Watkins, Jersey City, N. J.
- 94,680.—RAILWAY CAR-BODY ELEVATOR.—Reuben Wells, Jeffersonville, Ind.
- 94,681.—DUMPING CART.—M. F. Wickersham, Springfield, Ill., assignor to himself, Thos. Eckardt, H. F. Eldred, J. G. Law, T. Hutchinson, C. B. Hurd, C. Dresser, and D. Sherman.
- 94,682.—FURNITURE CASTER.—Charles G. Wilson, Brooklyn, N. Y.
- 94,683.—MULEY SAW MILL.—R. F. Wolcott, Claremont, N. H.
- 94,684.—ROTARY CLOD FENDER.—John F. Woolley, Pleasant Ridge, Ohio.
- 94,685.—HUB FOR VEHICLES.—J. P. Zeller, South Bend, Ind.
- 94,686.—FORCED FEED GEARING IN SEED DRILLS.—J. P. Zeller, South Bend, Ind.
- 94,687.—DEVICE FOR MARKING AND PLANTING CORN.—J. P. Zeller, South Bend, Ind.
- 94,688.—IMPLEMENT FOR CARPENTERS' USE.—Edward Gray, Oldtown, Me.
- 94,689.—SLATE ROOFING.—R. K. Kille, Mount Holly, N. J.
- 94,690.—LEATHER CORD OR ROPE.—O. I. Harrington and Elijah Weaver, Wood's Run, Pa.
- 94,691.—SHUTTLE WORKER.—T. H. Bradley, St. Louis, Mo.
- 94,692.—BRACE FOR COVERS OF TRUNKS, PIANOS, ETC.—Jules Roch, Rochester, N. Y.

REISSUES.

- 35,914.—CORN PLANTER.—Dated July 22, 1862; reissue 3,630.—James Armstrong, Jr., Elmira, Ill.
- 18,156.—MACHINE FOR FORGING NUTS.—Dated Sep. 8, 1857; reissue 3,631.—George Dunham, Unionville, Conn., assignee, by mesne assignments, of Edward Paye and Samuel Hall.
- 47,938.—APPARATUS FOR OILING WOOL.—Dated May 30, 1865; reissue 3,632.—B. A. Earl, Philadelphia, Pa., assignee of B. A. Earl and Henry Holcroft.
- 88,216.—ORE CRUSHER.—Dated March 23, 1869; reissue 3,633.—J. W. Rutter, St. Louis, Mo.
- 76,138.—INKSTAND.—Dated March 31, 1868; reissue 3,634.—H. L. Andrews, Chicago, Ill.
- 34,413.—SEWING MACHINE FOR BOOT AND SHOE SEWING.—Dated Feb. 18, 1862; reissue 3,635.—Charles Goodyear, Jr., Francis Du Bois, Frederick Renaud, and H. T. Close, New York city, assignees of Augustus Destouy.

DESIGNS.

- 3,654.—ORNAMENT FOR "WILCOX & GIBBS SEWING MACHINE."—S. P. Criss, Providence, R. I.
- 3,655.—ROAD SCRAPER.—J. C. Evans, Delaware, Ohio.
- 3,656.—SPOON OR FORK HANDLE.—Chas. Osborne, Brooklyn, N. Y., assignor to Whiting Manufacturing Co., New York city.
- 3,657.—GROUP OF SCULPTURE.—John Rogers, New York city.

EXTENSIONS.

- INKSTAND.—Barnet L. Solomon, New York city, executor of Myer Phineas, deceased.—Letters Patent No. 1,652, dated Aug. 19, 1862.
- MACHINE FOR ENGRAVING CALICO PRINTERS' ROLLERS.—John and Thomas Hope, Providence, R. I.—Letters Patent No. 13,462, dated Aug. 21, 1855.
- SEWING MACHINE CASE.—F. A. Ross, New York City.—Letters Patent No. 13,469, dated Aug. 28, 1855.
- REAPING AND MOWING MACHINES.—Henry Waterman, Brooklyn, N. Y.—Letters Patent No. 13,512, dated Aug. 28, 1855.
- MACHINE FOR ELECTROTYPING.—J. A. Adams, Brooklyn, N. Y.—Letters Patent No. 13,516, dated Sept. 4, 1855.

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- 2,355.—EXPANDING ROCK DRILL.—E. P. Gleason, New York city. August 6, 1869.
- 2,367.—SOWER AND CULTIVATOR.—A. Newell, New York city. August 7 1869.
- 2,391.—MANUFACTURE OF IRON AND STEEL.—T. S. Blair, Pittsburgh, Pa August 10, 1869.
- 2,407.—HOOP SKIRT.—J. Mayer, Brooklyn, N. Y. August 11, 1869.
- 2,409.—MANUFACTURE OF IRON AND STEEL.—J. J. Johnston, Allegheny, Pa. August 11, 1869.
- 2,414.—CENTRIFUGAL PUMP.—Wm. D. Andrews, New York city. August 12, 1869.
- 2,430.—APPARATUS FOR DIMINISHING THE EFFECTS OF THE OSCILLATION OF VESSELS AND FOR PREVENTING SEA SICKNESS.—L. D. Newell, New York city. August 14, 1869.
- 2,445.—PASSENGER REGISTER.—H. H. Trenor, New York city. August 16 1869.
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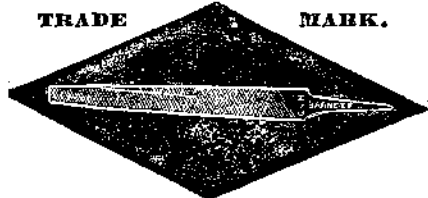
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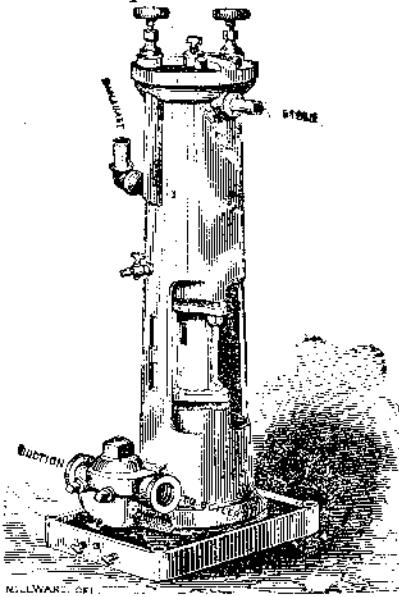
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