



50,253.—Button-hole Sewing Machine.—D. W. G. Humphrey, Chelsea, Mass.:

First, The mode of clamping and holding back the needle thread that the needle may draw the loop tight which was formed at the previous operation, in combination with the double-acting cam, which makes the duration of the gripping operation different when the needle descends through the cloth than when it descends in the slit or by the edge of the button hole, substantially as and for the purpose specified.

50,254.—Portable Scales.—H. Maranville, Akron, Ohio:

First, I claim the standards, B' and C, pivoted or hinged to the rule, in combination with the spring hooks, b b', as and for the purpose set forth.

50,255.—Soda-water Apparatus.—John Matthews, Jr., New York City:

I claim, First, The soda-water cooler, consisting of one or more open-bottomed and close-topped vessels, B B', fitted and secured in a frame C D E and the cooling chamber, and having inlet and outlet pipes, I, K, applied and arranged for the circulation of the soda water through them, substantially as herein described.

50,256.—Milk Pan.—F. J. May, New York City:

I claim the two pans, A, B, fitted one within the other, and the inner pan provided with a perforated bottom or strainer, b, all arranged substantially as and for the purpose set forth.

50,257.—Cultivator.—Robert McCorkle, Philadelphia, Pa.:

I claim, First, The metal pieces, F, provided with the horizontal flange, a, recessed to receive and hold the bolt, c, and having the lugs or projections, b, for the purpose of attaching the drag bars, D, to the shaft, A, and adjusting the same, as set forth.

50,258.—Grate for Stoves.—Wm. McIlvain, Philadelphia, Pa.:

I claim, First, Adjusting the grates, D, at different altitudes in the fire chamber, by means of the bars, B, with the vertical projections, a, substantially as described and for the purpose specified.

50,259.—Roller and Harrow Combined.—William R. Mears, Grafton, Ill.:

I claim, First, The combination and arrangement of the levers, M, m, connecting bars, J, j, and stay bars, K, k, with the harrow bars, D, D', and frame, A, of my improved machine, all substantially in the manner and for the purpose herein described.

50,260.—Combined Latch and Bolt.—Movius J. Meyer, Washington, D. C.:

I claim, First, The bolt, B, with the additional bevel, P, on the projection, e, and the rotating cylinder, C, when arranged within a casing constructed and operating substantially as herein specified.

50,261.—Umbrella Holder.—J. A. Minor, Middletown, Conn.:

I claim the combination of the adjustable sleeve, f, and swinging frame or plate, h, constructed and arranged together upon a common rod or shaft, substantially as herein described and for the purpose specified.

50,262.—Hammer.—Chas. Monson, New Haven, Conn.:

I claim, First, The application of a spring or springs, or their equivalents, to hammers and other similarly used instruments, constructed substantially as and for the purpose herein set forth.

50,263.—Blasting Plug.—Charles Monson, New Haven, Conn.:

I claim the combination of the plug, A, and bar or bars, B, constructed and united together by a joint or its equivalent, substantially as and so to operate in the manner and for the purpose herein set forth.

50,264.—Row Lock.—Peter W. Neefus, New York City:

I claim the construction of the base plate, B, with its slots, b b, and socket and chamber for the reception of the shank of A, and the lugs, a a, and a' a', constructed and combined substantially as and for the purpose specified.

50,265.—Blower for Steam Generators.—David M. Nichols, New York City:

I claim the combination of a chimney with a gridiron steam blower, constructed substantially as above set forth.

50,266.—Boiler for Treating Straw.—T. A. Nixon, Philadelphia, Pa.:

I claim, First, The combination with a horizontal revolving boiler of tubes, through which the products of combustion are caused to pass, and which maintain the contents of the boiler in constant agitation, for the purpose specified.

50,267.—Granary.—B. M. Nycé, Cleveland, Ohio:

I claim so constructing and arranging granaries and other buildings for similar purposes, whereby they are adapted to the employment or utilizing of waste bittern from salt works, within air-tight walls, substantially as described.

50,268.—Cooking Stoves.—Clinton J. Paine, Painesville, Ohio:

First, I claim the special use of the direct heating and directly continuous flue, C C C, constructed as shown in Fig. 3, so that the same is double radiating, or so that radiation of heat into the oven space or spaces is obtained from both its sides or surfaces, the same being constructed with angular or other turns, so as to form within its interior space a rectangular or other shaped chamber, constituting the oven proper, and located within the oven space of the stove for the purpose set forth.

50,269.—Horse Rakes.—Geo. Palmer, Littlestown, Pa.:

First, I claim the sharp cutting sickle edge rake teeth, the same being constructed, arranged and operated in the manner as and for the purpose herein specified.

50,270.—Dust Pan and Brush.—Chas. H. Parker and Gridley Burnham, Waltham, Mass.:

I claim attaching to the back side, top or bottom of a dust pan a suitable receptacle for holding a dust brush intended for use in connection with a dust pan, substantially as herein shown and described.

50,271.—Marking Attachment for Sewing Machines.—Stephen Perrett, Yonkers, N. Y.:

I claim the above described a pendage to the sewing machine, having the parts arranged and constructed and the marking presser actuated directly from the rocker shaft, substantially as set forth.

50,272.—Machine for Bending Scythe Snaths.—Alfred S. Philbrook, Claremont, N. H.:

I claim the use of the form, B, of the exact size and shape desired for the snath, with its rings, i i, and its combination and arrangement with relation to the cross pieces, B' B', and the beam, E, substantially as described and for the purposes set forth.

50,273.—Knob Latch.—Hiram, Richmond and Alfred Claude, West Meriden, Conn.:

We claim the pin or rollers attached to either side of the rod which connects the handles in combination with two inclines in the slotted shank of the bolt, one on either side of said connecting rod, substantially as and for the purpose set forth.

50,274.—Grinding Mills.—James C. Roberts, Adams-town, Md.:

First, I claim the vibrating palw frame or its equivalent, operated from the driving power of the mill, in combination with the interposed gearing and adjustable suspension rod for raising or lowering the bridge piece.

50,275.—Instrument for Finding the Centers of Circles.—E. P. Rogers, Corning, N. Y.:

I claim the construction of an instrument, substantially as described, so that two jaws, as at C C Fig. 3, with corresponding outlines, turning upon a center pin, c, may be simultaneously adjusted, so as to touch convenient points in any circles, while the line of the inner edge of the tongue, a, shall be the radius of such circle.

50,276.—Still for Distilling Petroleum.—John Rogers, New York City:

I claim the within-described process of distilling petroleum or other hydro-carbonaceous materials, by passing the vapor through heated pipes, or their equivalents in the interior of the still, for the purpose of freeing the same from their most volatile constituents, substantially as herein set forth.

50,277.—Still for Distilling Petroleum.—John Rogers, New York City:

I claim the within-described process of distilling petroleum or other hydro-carbonaceous materials, by passing the vapor through heated pipes, or their equivalents in the interior of the still, for the purpose of freeing the same from their most volatile constituents, substantially as herein set forth.

50,278.—Brake for Horse Power.—Wm. F. Rundell, Genoa, N. Y.:

I claim the placing of the driving shaft of horse-power in sliding bearings, acted upon by springs or their equivalents, in such a manner that the band wheel on the driving shaft will, when the band is cast off from it, be thrown in contact with a brake, and the machinery at once stopped, the tension of the band, when on the wheel, keeping the latter free from the brake, substantially as set forth.

I further claim the hinged plate and spring catches, applied to the bearings of the driving shaft, in the manner substantially as and for the purpose specified.

50,278.—Pea Sheller and Cherry Stoner.—Gelston Sanford, New York City:

I claim the two adjustable rollers, A A, in combination with the feed board, B, constructed and operating in the manner and for the purpose specified.

50,279.—Stockings.—E. V. Sears, Boston, Mass.:

I claim as a new article of manufacture, a stocking, which is provided with means for receiving the supporter, b.

50,280.—Apparatus for Drying Straw Boards.—Wm. H. Severson, Cohoes, N. Y.:

I claim, First, Indryers for treating straw boards and other articles to be dried, the use of stationary drying vessels, substantially like that shown at E, with hinged pressers, whose sides are flexible and porous, or open, substantially as above described.

50,281.—Mill Roller.—W. H. Seymour, Ravenna, Ohio:

I claim the herein described roller, for the purposes set forth, as a new article of manufacture.

50,282.—Locomotive Car.—Henry F. Shaw, West Roxbury, Mass.:

I claim so shaping and arranging the gear wheel, M, of the crank shaft, and the gear wheel, L, of the truck-wheel axle, that the one may turn horizontally about the other, substantially as set forth, and for the purpose described.

50,283.—Transmitting Motion.—Henry F. Shaw, West Roxbury, Mass.:

I claim, First, Transmitting motion from shaft to shaft when at an angle with each other, by means of the slotted connecting rods, J, K, and elongated cranks, d e, or their equivalents, substantially as described.

50,284.—Duplicating Deflector for Photographic Purposes.—David Shive, Philadelphia, Pa.:

I claim the deflector, A, arm, B, and clamp, C, constructed and arranged so as to operate, when applied to a camera, substantially as and for the purpose described.

50,285.—Ventilating Device for Hats.—Wm. Smith, Philadelphia, Pa.:

I claim, First, The frame, A, constructed and adapted for being secured within a hat, substantially as and for the purpose specified.

50,286.—Process for Cooling Air.—D. E. Somes, Washington, D. C.:

I claim a portable air cooler, when made with tubes, or their equivalents, as described and used, for the purpose set forth.

50,287.—Coupling for Shafts of Boring Tools.—Job B. Stockton, Oil City, Penn.:

I claim, in fastening drilling tools on their rods, and in securing the couplings of drilling rods, locking the parts to each other by means of a screw inserted radially through the walls of the outer part of a half of the coupling so as to intersect the place of the joint, substantially as described.

50,288.—Pill Machine.—Daniel J. Tittle, Albany, N. Y.:

First, I claim the arrangement of two pairs of grooved rollers at right angles to each other, so that the strips of pill material delivered from the first will be in position for being passed into the second pair, as set forth.

50,289.—Combined Shirt and Braces.—William H. Towwers, New York City:

I claim a shirt provided with straps, intended to take the place of suspenders, substantially in the manner above described and for the purpose set forth.

50,290.—Curd Cutter.—Christopher Wadsworth, East Livermore, Me.:

I claim a machine for cutting curd, as herein described, both the slicers and squares in combination.

50,291.—Dental Operating Chair.—James O. Whitcomb, New York City:

I claim the base, a, stand, B, in combination with the ring, y, provided with bearings for the nut wheels, b b' b'', and bevel wheels, a and c, as herein described and shown.

50,292.—Sawing Machine.—Orsamus A. White and Isaac W. Bostwick, Norwalk, Ohio:

First, the combination and arrangement of lever, G, lever, B B', and pulley, e, and cord, E, operating substantially in the manner and for the purpose specified.

50,293.—Apparatus for Cooling Malt Liquors.—Francis L. Wissmann, Philadelphia, Pa.:

I claim the described improvement in apparatus for cooling malt liquors, consisting in the use of the corrugated pipes, A, A, of a flattened oval section, and otherwise arranged as and for the purpose specified.



