

surrounding their peripheries the lower one of less diameter than the upper substantially as described for the purpose specified.

69,015.—TRUSS.—F. W. Neubert, Pittsburg, Pa.
1st, I claim the pad, C, when made in the shape herein shown and described and for the purposes set forth.
2d, The truss straps, D and E, when covered with india-rubber cloth, substantially as described for the purpose specified.
3d, In combination with the truss strap, E, covered with india-rubber cloth, I claim the elastic portion, G, substantially as described for the purpose specified.
4th, The double straps, D and E, at the end of A, in combination with the knob, a, on pad, C, and with the knob, l, on spring, A, as set forth.
5th, The strap, E, in combination with the loops, h, h, and knob, a, on the pad, C, all made and operating substantially as herein shown and described.

69,016.—CURRY COMBS.—E. M. Noyes, Binghamton, N. Y.
I claim the construction and use of the non-metallic teeth, A, A, attached to the metallic casing, B, in combination with the carry comb on back, C, substantially as and for the purpose herein set forth.

69,017.—COFFEE POT.—Philander Perry, Charlestown, Mass.
I claim the combination and arrangement in a coffee pot of the movable perforated tank, G, and the tunnel, H, with the close concave radiator or diaphragm support, J, when the latter is removable, all substantially as and for the purpose described.

69,018.—HARVESTER.—G. M. Peters, Jr., Granville, Ohio.
I claim the combination of the two endless aprons or carriers, J, J, constructed and operating as described, frames, H, C, axle, A, and sickle, O, with or without the guides, P, all arranged to operate substantially as and for the purpose set forth.

69,019.—CONDUCTORS' TICKET PUNCH.—William J. Phelps, Springfield, Mass.
1st, I claim the combination of the lever, B, and die spindle, h, pivoted thereto, with the slotted lever, A, guide, p, and female die, m, the whole arranged and operating substantially as set forth.
2d, The arrangement of the slotted lever, A, and female die, m, lever, B, and male die, h, in combination with the spiral spring, C, substantially as described.

69,020.—TRUSS.—Wm. Pomeroy, Brooklyn, N. Y.
1st, I claim the block or shoulder, D, and eccentric, E, constructed as described for the purpose specified.
2d, The rotating arm, slide, I, attached to one end of the body spring, A, and secured in position, when adjusted, by a set screw constructed and operating substantially as and for the purposes herein described.
3d, The slotted end of the rotating arm, I, used in connection with a pad spring and a screw, K, substantially as herein shown and described, and for the purpose set forth.

69,021.—CLOTHES HOOK.—S. S. Putnam, Dorchester, Mass.
I claim the bracket, A, in combination with the hook, C, constructed and operating substantially as described for the purpose set forth.

69,022.—STALL FOR ANIMALS.—S. S. Putnam, Dorchester, Mass.
I claim the bar, B, or its equivalent in combination with the stall, A, the bar being so constructed and applied that it will yield in an upward direction and drop to its original position when released, substantially as and for the purpose described.

69,023.—CLOTHES DRYER.—D. B. Randall, and A. A. Williams, Glover, Vt.
1st, We claim the combination of the guideway, B, or its equivalent, guide, C, and frame, D, with each other substantially as herein shown and described and for the purpose set forth.
2d, The jointed central bar of the frame, D, in combination with the guide, C, and guideway, B, substantially as herein shown and described and for the purpose set forth.
3d, The combination of the adjustable brace bar, E, with the guide, C, and central bar, D, of the frame, D, substantially as herein shown and described and for the purpose set forth.

69,024.—GATE.—Edwin Reynolds, Metomen, Wis.
I claim the combination of fence panel, A, with gate, B, when the same are provided with an elongated bar or upright, a, adjustable pieces, h, m, and levers, e, g, all constructed, arranged and operated in the manner and for the purpose set forth and described.

69,025.—FURNACE FOR SMELTING ORES OF SILVER.—A. H. Richardson, Denver, Colorado.
I claim a smelting furnace having the blast supplied upon the ores in a furnace box provided with an apron in manner as above set forth and furnished with three apertures at different levels, in manner and for the purposes substantially as above set forth and described.

69,026.—RACK FOR BROOMS, BILLIARD CUES, ETC.—E. Richmond, Brooklyn, N. Y.
1st, I claim a rack for holding or suspending brooms, cues and other articles as described, the slots, lined or provided with a suitable elastic or binding device, and formed in the side or edge of the rack so as to communicate with the perforations or recesses in the said rack as and for the purposes set forth.
2d, The combination with a rack in which articles are held or suspended by means of rubber or equivalent elastic body, of a plate or equivalent means for supporting the butts or lower ends of said articles, as set forth.

69,027.—HITCHING POST.—D. C. Robie, (assignor to himself and Moses Goldthwaite), Springfield, Mass.
I claim the hitching post, constructed of a closed top and an opening, e, on its side communicated with the annular space, a, for the purpose and in the manner substantially as described.

69,028.—TRUSS.—John L. Rowe, New York City.
I claim the springs, c, connected with and extending from the springs, a, in the manner specified in combination with the pad plate, g, to which they are united by one bolt in the manner and for the purposes set forth.

69,029.—CHURN.—M. V. B. Rowley, Worcester, N. Y.
1st, I claim the working beam, L, securely attached to the pendulum rod, O, whereby the pitman, K, is carried past its center as herein set forth for the purpose specified.
2d, The combination of the working lever, L, pendulum and rod, O, P, pitman, K, and crank wheel, J, substantially as described for the purpose specified.

69,030.—APPARATUS FOR WASHING ORES.—Newell S. Ryder, Greenland, Mich.
1st, I claim a baffle, A, so suspended and operated that while it has a lateral rocking motion, it shall at the same time have a longitudinal oscillation substantially as and for the purpose set forth.
2d, A baffle when constructed and arranged so that the floor is higher at the tail than at the head so suspending it that in rocking laterally the axis of oscillation shall be higher at one end than at the other substantially in the manner set forth.
3d, I claim the arrangement of the sieve, B, box, A, and pipes, I and K, substantially as set forth.

69,031.—PUNCH.—Edward Schindler and Charles H. Metzger, Easton, Pa.
1st, I claim the levers, C, D, when connected by the straps, b, the former provided with the set screw, K, the latter provided with the removable punches, E, arranged in relation with the longitudinal adjusting plates, E, F, substantially as described for the purpose specified.
2d, The adjusting plates, E, F, when provided with flanges upon their upper ends whereby the leather is taken from the punches when the latter are raised as herein shown and described.
3d, The gage, h, when arranged in relation with the bed plate, g, whereby the distance apart of the holes to be punched is governed substantially as described for the purpose specified.
4th, The arrangement of the hinged adjustable guides, E, F, gage, h, plate g, and punches, K, substantially as described for the purpose specified.

69,032.—COAT AND HAT HOOK.—William Schmitt, N. Y. City.
I claim the hinged hook jaws, B, C, in combination with a spring latch or other locking device constructed and operating substantially as and for the purpose described.
2d, In combination with the hook jaws, B, C, the elastic tips, a, substantially as and for the purpose described.
3d, The clamp, F, in combination with the hook jaws, B, C, and with a suitable locking device constructed and operating substantially as and for the purpose described.

69,033.—DOOR BOLT.—Arthur H. Sherwood, Southport, Conn.
Ante-dated Sept. 7th, 1867.
I claim the above catch, G, in combination with the bolt, D, E, F, substantially as and for the purpose specified.

69,034.—BOW IRONS FOR VEHICLES.—George W. Slater, New Haven, Conn.
1st, I claim the bed plate, A, constructed of one piece as and for the purpose set forth.
2d, The plate, g, so formed as to be attached to the bed plate, A, by means of knuckles, d, in the manner herein described.
3d, The cars, s, on slats, g, used in forming timbers to receive the bows as herein set forth.
4th, The bed plate, A, in combination with slats, g, and bows, c, the whole constructed and operating substantially as herein set forth.

69,035.—WAGON BRAKE.—A. P. Smith, Greensburgh, Pa.
I claim the combination with the running gear of the wagon, of the sliding bed, the friction rollers, the inclined slots, the draw bars, the rock-shaft and the brake lever, the whole being constructed, arranged and operating as described.

69,036.—HORSE RAKE.—G. W. Snyder, Kalamazoo, Mich., assignor to himself and James Aiken, Menota, Ill.
1st, I claim the arrangement of the rake, C, with its plates, g, g, pawl, m, bar, l, shaft, l, and lever, e, with the swinging frame, G, in the manner and for the purpose specified.
2d, The combination of the axle, A, with its wheels and thalls, A', provided with shaft, b, with lever and ratchet rake shaft, c, with teeth, a, a, frame, G, chains, H, H, and pawl, m, with lever, e, all arranged and used in the manner set forth.

69,037.—HYDROCARBON VAPOR MACHINE.—James F. Spence, Brooklyn, N. Y.
1st, I claim the combination and arrangement of the three chambers, B, C, E, with the reservoirs, D, D, and supply pipes, a, a, r, substantially as and for the purpose set forth.
2d, The two rotating drums, H, provided with chambers, e, in combination with the tubes, Q, substantially as and for the purpose specified.
3d, In a hydro-carbon vapor machine, the employment or use of a plurality of hydrocarbons of different grades placed in one or more chambers of the machine, substantially as and for the purpose set forth.
4th, The valves, F, constructed of cork or other similar light material when used in connection with a hydrocarbon vapor machine substantially as and for the purpose set forth.

69,038.—ODOMETER.—James C. Spencer, (assignor to himself and Archibald B. Vantermark), Phelps, N. Y.
I claim the combination of the cog wheels, D and E, in the box, C, the worm gear, a, the ratchet wheel, G, operated by the spring pawl, a, on the rock shaft, a, and the hub, A, provided with the pin, h, for giving motion to the rock shaft by the arms, g, g, arranged and operating substantially as herein described.

69,039.—FIRE ALARM TELEGRAPH.—Joseph B. Stearns, Boston, Mass.
1st, I claim the employment of reverse currents for operating the bell striking mechanism in the manner and for the purpose specified.
2d, I claim successively engaging and disengaging the arms, b, b', of a bent lever attached to the weighted shaft of the bell striking mechanism by the movement of a magnetized armature which by means of reverse currents, is caused to oscillate between two electro-magnets in the manner set forth.

69,040.—PEGGING MACHINE.—Henry C. Stone (assignor to himself and John C. Gibbs), Brookfield, Mass.
1st, I claim the combination with the peg-wood carriage or table, B, having two or more grooves, a, a, or their equivalents, of a switch, J, substantially as and for the purposes set forth.
2d, The combination of the switch, J, with the peg-wood carriage, B, and peg guides, E, E, substantially as and for the purposes set forth.
3d, The combination with the peg guide, E, of the adjustable guide, c, substantially as and for the purposes set forth.
4th, The combination of the lever, H, with the switch, J, substantially as and for the purposes set forth.
5th, The combination with bar, G, and pawls, l and g, of the connections, h and i, and slotted lever, H, substantially as and for the purposes set forth.
6th, The combination in a pegging machine, of mechanism, substantially as above described, whereby the operator can change from one length of peg to another without stopping the machine, as stated.

69,041.—HANGER.—Joseph M. Stone (assignor to Davis & Furber), North Andover, Mass.
I claim, in a hanger so constructed and arranged as to allow free motion of the shaft-supporting box automatically on both of two axes, provision for hanging the box by adjustable end-ropes pivoted within a frame, which frame is also held or suspended by adjustable entering pivots.
Also, the construction of the hanger in two parts, arranged with respect to each other and to the shaft-bearing box, substantially as described.
Also, the combination of the shaft box with the pivoted hoop, substantially as described.

69,042.—BELTING FOR DRIVING MACHINERY.—M. A. Strouville, St. Louis, Mo.
I claim raw hide belting for machinery, as a new article of manufacture, prepared substantially as herein described.

69,043.—DISINFECTING COMPOUND.—Ernst Suvern, Halle, Prussia.
I claim a disinfecting compound, composed of the ingredients herein described, and mixed together substantially as and about in the proportion set forth.

69,044.—SHAFT COUPLING.—J. W. Taylor, Oshkosh, Wis.
I claim the hollow cylinder, a, provided with friction rollers, e, e, substantially as described, when used in combination with the dual pronged head, c, as set forth.

69,045.—HAY SHOCKER.—Clark M. Terrell, Oskaloosa, Iowa.
1st, I claim the mode of retracting the teeth, F, by means of the crank shafts, H, in combination with the cam, I, substantially as set forth.
2d, In combination with the cylindrical shell, A, and teeth, F, a receiving platform for sustaining the operator in forming a shock upon the binged platform, K, substantially as set forth.
3d, In combination with a hay-elevating cylinder, A, and receiving platform, G, a gear, as described, whereby the operator can change from one length of hay to another as to discharge the shock by the action of gravity merely, substantially as set forth.
5th, The combination of the hinged platform, K, with curved teeth, K1, and the supporting spring, N, substantially as and for the purpose set forth.
6th, The combination of the hinged platform, K, with the hinged, O, arranged to operate substantially in the manner and for the purpose set forth.

7, So attaching the platforms, G and K, that they may be detached, and the machine may be converted into a feeder, substantially as set forth.

69,046.—WINDOW SASH.—Robert Thomas, Parkersburgh, West Va.
I claim the short bars, E, hinged to the bars, E1, of the lower sash, adapted to catch into notched plates, F, secured in the window frame, whereby the bars, C, are held in position so that they will not be drawn up by the weight when the sash, D, is removed, substantially as described for the purpose specified.
2d, The sash, D, when provided upon one side, with the hooks, d, fitting into notches of plate, f, upon the short bars, C, and upon the opposite side with reversed hooks, g, fitting into the notches of plate, i, upon the long bars, C1, as herein set forth for the purpose specified.

69,047.—HAND LOOM.—T. G. Thompson, Richmond, Ind., and A. F. Fox, Greensboro, Ind., assignors to Thompson, Ballard & Co., Richmond, Ind.
1st, I claim the sliding latch bar, C, having projections, q and p, in combination with the posts, a, of the batten, B, and the ratchet cam, s, arranged and operating in the manner set forth.
2d, The combination and arrangement of the spring, l, constructed as described, with the lay triggers and their operating straps, as and for the purpose set forth.
3d, The handle, H, combined with the batten top, in the manner described and for the purpose specified.

69,048.—DEVICE FOR HITCHING HORSES.—J. B. Thornton, Madison, Wis.
I claim a device for hitching horses, constructed and applied to wheel hubs, substantially as and for the purpose described.

69,049.—FRUIT LADDER.—Benj. F. Turner, Bridgeton, N. J.
1st, I claim the hooks, E, when applied to or used in combination with an extension ladder, substantially in the manner and for the purpose herein set forth.
2d, The base, G, constructed with the pivoted braces, h, h, when applied to or used in combination with an extension ladder, substantially as and for the purpose specified.
3d, In combination with the above, I claim the adjustable platform, H*, as herein set forth for the purpose specified.

69,050.—FOLDING CHAIR.—E. W. Vaill, Worcester, Mass.
1st, I claim the blocks, G, G1, hinged to the legs and arms of the folding chair, and constructed and operating substantially as and for the purpose described.
2d, The sliding chair, above described, consisting of the standards, A, A1, legs, B, B1, arms, C, C1, cross bars, C, C1, pivots, a, a1, r, r1, curved supports, D, D1, and hinged blocks, G, G1, all constructed, combined, and operating substantially as and for the purposes specified.

69,051.—BOOT HEEL.—Robert Vandorvt, Pittsburgh, Pa.
I claim the metallic heel, C, with the front projecting lip, n, and internal recess or shoulder, l, held in place by means of the plate, A, secured firmly to the sole, and screws, b and e, as herein set forth.

69,052.—FASTENING FOR BREASTPINS.—A. R. P. Walker, Richmond, Me.
I claim the pin, A, constructed as described, consisting of the head, a, twisted through the unyielding eye, b, of the plate, B, and provided with the lateral turn, c, of the eye, a, resting upon the plate, all operating as and for the purpose specified.

69,053.—REGULATING DEVICE FOR WATCHES.—Andrew Warren, Waltham, Mass.
I claim in combination with the indicating regulating lever or wheel having a spiral formation and arranged to both hold and move said lever, substantially as described.

69,054.—DEVICE FOR MIXING LIQUIDS.—George Watkins, Brooklyn, N. Y.
I claim the adjustable beaters, C, C, connected with the shaft, E, and suspended from the adjustable cross bar, c', all constructed, arranged and operating as herein shown and described.

69,055.—HEAD BLOCK FOR SAW MILLS.—Titus Whitmore, Duquaine, Iowa.
I claim the combination and arrangement of the index wheel, e1, t, having cam, W, spring, a2, slotted arm, n, carrying pin, y, spring pawl lever, e2, arm, V, dog, a3, upon shaft, l, pinion, K, clutch, L, gear wheel, O, and band wheel, Q, and feed screw, S, whereby the log is set to the saw as herein set forth for the purpose specified.

69,056.—DEVICE FOR SEWING MACHINES.—Lewis R. Wiggin, Farmington, N. H.
I claim the tank, A, water chamber, B, and steam worm or tube, D, combined and arranged substantially as and for the purposes above set forth and described.
2d, The supplementary tank, A', and prolongation, D', of the worm or steam tube, D, and rubber presser, l, in combination with the tank, A, steam generator, C, and worm, D, substantially as and for the purpose above set forth and described.

69,057.—STEAM PRESSURE GAGE.—C. A. Wilson, Cincinnati, Ohio.
I claim the arrangement of the three vertical tubes, B, C, D, horizontal duct, E, and four way cock, I, with passages, F and G, and ventage, H, substantially as and for the purpose described.

69,058.—TRACE AND PAD BUCKLE.—E. B. Winslow, Chatham, Ill.
I claim a combination trace and pad buckle formed of the sides, a, a, connected by the bars, b, b' m and q, and having a trace tongue, n, attached to a swivel bar, p, constructed, arranged and operating substantially as herein described.

69,059.—WASHING MACHINE.—J. W. Woodruff, Watson, Ill.
I claim the sliding handle, B, box, A, spring, a, and beater, E, all being combined and operated as and for the purpose set forth.

69,060.—BENDING MACHINE.—J. N. Woodward, Aurora, Ill.
I claim, 1st, The rib, C, on the bed plate, A, in combination with the cap, D, and adjustable bars, a, a, said parts being arranged to operate substantially in the manner as and for the purpose set forth.
2d, The springs, E, E, respectively in bed plates, A, and cap, D, arranged in connection with the rib, C, and adjustable bars, a, a, to insure the ready removal of the swaged sheet-metal strip, substantially as described.
3d, The combination of the cap, D, provided with the adjustable bars, a, a, and placed on the ribs, B, having springs, e, upon them, the rib, C, on the bed plate, A, and the lever, G, all arranged for joint operation substantially as and for the purpose set forth.

2,766.—LANTERN.—Wm. Westlake and James F. Dane, New York City, assignees of Conrad Gersten. Patented Jan. 25, 1859.
1st, We claim extending the spindle for operating the wick ratchet through the outer casing of a lantern, substantially as and for the purposes specified.
2d, A spindle extending through the outer casing of a lantern, so combined with a toothed wheel or rotating device and wick tube, so that the wick may be adjusted without removing or changing the lamp.
3d, The spindle, button, m, and tube, l, in combination with the ratchet and wick tube of a lantern, substantially as specified.

NOTE.—In the above list of patents, FIFTY-SEVEN were obtained through the office of the SCIENTIFIC AMERICAN.—EDS.

PENDING APPLICATIONS FOR REISSUES.
Application has been made to the Commissioner of Patents for the Reissue of the following Patents, with new claims as set forth. Parties who desire to oppose the grant of any of these reissues should immediately address MUNN & Co., 37 Park Row, N. Y.

20,534.—APPARATUS FOR MANUFACTURING GAS.—John Absterham, New York City. Dated June 15, 1858. Application for reissue received and filed Sept. 6, 1867. Division B.
I claim passing atmospheric air through channels or chambers, the walls of which are wholly or partially lined with or composed of cloth or other porous and absorbent material, which elevates by absorption or capillary attraction the fluid in the chamber or channel, allowing sufficient space for the passage of the air, substantially as and for the purpose described.

20,534.—APPARATUS FOR MANUFACTURING GAS.—John Absterham, New York City. Dated June 15, 1858. Application for reissue received and filed Sept. 6, 1867. Division B.
I claim passing illuminating gas through channels or chambers, the walls of which are wholly or partially lined with or composed of cloth or other porous and absorbent material, which elevates by absorption or capillary attraction the fluid in the chamber or channel, allowing sufficient space for the passage of the gas, substantially as and for the purpose described.

20,537.—TWEER.—John Bayliss, New York City. Dated Aug. 7, 1866. Application for reissue received and filed Sept. 7, 1867.
I claim a tweer, A, having a water chamber, B, provided with connecting water and steam pipes, D and E, in combination with the air pipe, H, air chamber, I, and air pipe, J, arranged together and operating substantially as and for the purpose represented and described.

61,396.—HAND STAMP.—E. D. Chamberlain, Westfield, N. J., and Charles H. Brown, New York City, assignees of Dexter H. Chamberlain, West Roxbury, Mass. Dated Jan. 22, 1867. Application for reissue received and filed Sept. 9, 1867.
1st, I claim the combination of any number of type wheels with a stamping lever, substantially as and for the purpose described and shown.
2d, The combination of the stamping lever with type wheels and an inking ribbon, substantially as and for the purpose herein before shown and described.
3d, The die holder, E, constructed and combined with the lever, c, substantially as and for the purpose shown and described.
4th, Making the type wheels, a, b, c, of different diameter, rotating upon separate and distinct axes, a' b' c', substantially as and for the purpose shown and described.
5th, The combination of the inking ribbon with the type wheels, substantially as herein described, so as to present a double fold of the ribbon under the type wheels, all as set forth.
6th, Having the type wheels provided with recesses for the reception of pawls or detent pins, substantially as described, for the purpose of securing the inked surface of the type wheels, and preventing change of said wheels, all as set forth, in combination with the lever.
7th, The ribbon box formed in and making a part of the lever, substantially as and for the purpose shown and described.
8th, The employment of type wheels of different diameters, in combination with a lever hand stamp, substantially as and for the purposes herein shown and described.

2,725, whole No. 33,729.—MEANS OF SEALING PRESERVE CANS.—Henry S. Fisher, Newburgh, Pa. Dated Nov. 12, 1861. Application for reissue received and filed Sept. 7, 1867.
1st, I claim a self-adhesive seal which is prepared either in the form of a sheet, ring, disk, or piece of any required size or shape, and composed of paper which is thoroughly saturated and coated on its surface with a cement composed of the within described substances or their respective equivalents thereof, substantially as described and for the purpose specified.
2d, A self-adhesive seal composed of paper which is thoroughly saturated and coated with a resin cement, and afterward subjected to a considerable pressure, so as to adapt the seal for hermetically closing preserving vessels, substantially as described.
3d, A seal which is composed of paper and cement, in combination with a compressing and retaining device, C, or its equivalent, substantially as and for the purposes described.

9,357.—MODE OF THROWING SHUTTLES IN LOOMS.—Stephen C. Mendonhall, Richmond, Ind. Dated Nov. 9, 1852. Application for reissue received and filed Sept. 9, 1867.
1st, I claim the combination of the picker spring, c, pickers, i, inclined cams, j, triggers, f, f', cords, h, h, treadles, l, 2, 3, 4, and batten or lay, B, so that the forward motion of the batten shall set the pickers, and the backward motion of the batten shall release them alternately, by means of the cords and treadles, and thus drive the shuttle back and forth through the warp, substantially as and for the purpose set forth.
2d, I claim the picker spring, k, in combination with the pickers, i, i.
3d, I claim the pickers, i, i, in combination with the inclined cams, j, j.
4th, I claim the pickers, i, i, inclined cams, j, j, in combination with the triggers, f, f'.
5th, I claim the pickers, i, i, in combination with the triggers, f, f'.
6th, I claim the combination of the triggers, f, f', cords, h, h, and treadles, l, 2, 3, 4.
7th, I claim the spring triggers, f, f', in combination with the batten, B, when the same are used for retaining the pickers, i, i.
8th, I claim alternately releasing the pickers, i, i, when the same is effected by the regular successive depression of the treadles, l, 2, 3, 4.

65,963.—SLEEPING CAR.—John Swan, Baltimore, Md. Dated June 18, 1867. Application for reissue received and filed Sept. 5, 1867.
1st, I claim a series of state rooms made crosswise of the car and provided with a side passage and independent ventilation, substantially as and for the purposes set forth.
2d, The reservoir, F, pipes, H, H, and basins, J, J, for supplying water to the state rooms, substantially as specified.
3d, The side passage, C, when used in combination with a series of cross berths or state rooms, as and for the purpose set forth.

61,956.—COOKING STOVE.—J. J. Savage, Troy, N. Y. Dated Feb. 12, 1867. Application for reissue received and filed Sept. 6, 1867.
1st, I claim the location of the fuel doorway or feed mouth, B, of stove furnaces, substantially below and forward of the combustion or flame chamber, C, the roof, in such intermediate or contiguous position to the fire box, A, thereof, as to admit of fresh fuel being fed thereto, in manner substantially as herein before described, for the purposes set forth.
2d, I claim the extension of the fire box, A, forward of the combustion or flame chamber, C, of stove furnaces, and immediately under or contiguous to the aforesaid located fuel doorway, B, thereof, in manner substantially as herein before described, for the purposes set forth.
3d, I claim a level feeder, F, substantially as described, when operated in combination with or through said located fuel doorway, B, of stove furnaces, in manner substantially as and for the purposes as herein set forth.
4th, I claim providing a feed lever, E, with a fulcrum hook, c, or an equivalent therefor, when used in combination with a fulcrum, ridge, or bearing, G, arranged on the edge of the aforesaid located fuel doorway, B, of stove furnaces, substantially as and for the purposes set forth.
5th, I claim in combination with the front plate, D, of stove furnaces, a fire or guard plate, E, when arranged in position above the aforesaid located fuel doorway, B, of the fire box thereof, and about opposite the combustion or flame chamber, C, substantially as and for the purposes set forth.
6th, I claim the arrangement of the front plate, D, of stove furnaces, in an inclined or slanting position, in combination with the aforesaid located fuel doorway, B, such as to overhang the combustion or flame chamber, C, and fire box thereof, substantially as and for the purposes set forth.
7th, I claim the combination of the aforesaid located fuel doorway, B, the fire box, A, the combustion or flame chamber, C, and the level feeder, F, as applied to stoves, to operate in manner substantially as and for the purposes herein described.
8th, I claim the peculiar manner or method of feeding or introducing fresh fuel directly into the fire box of stove furnaces, by forming for its reception clear vacant room or places in, below, and between ignited fuel or live coals therein, by the conjoint means substantially of a feed aperture or doorway, B, located as described, and of a feed lever, F, or equivalent therefor, operating substantially as herein set forth, for the aforesaid purposes.

43,061.—HARVESTING MACHINE.—David J. Marvin, Stockton, Cal. Dated Nov. 15, 1864. Application for reissue received and filed Sept. 10, 1867.
1st, In a combined header and thrasher, I claim so pivoting or hinging the cutter frame upon the main axle, a, that it can be moved longitudinally, and also raised or lowered at pleasure, substantially as and for the purpose specified.
2d, In a combined header and thrasher, having its cutter frame mounted or hinged as above described, I claim the combination and arrangement of the bar, a', posts, b', pulley, d', cord, c', and crank rod, N, substantially as and for the purpose herein set forth.
3d, In a combined header and thrasher, I claim the arrangement of the cutter bar and apron, 2, running crosswise of the machine, in combination with the arrangement of the thrashing and winnowing apparatus running lengthwise of the machine, for the purpose of greater convenience and compactness, and in the manner substantially as shown.
4th, In a combined header and thrasher, I claim elongating the axle, a, so as to place the wheel, O, at a considerable distance from the main frame of the machine, to afford room for the attachment of the header frame between said wheel and main frame.
5th, I claim the combination of the levers, i and l, with the sliding header frame and the gear wheels, c and b, for the purpose of throwing the header apparatus into and out of gear, substantially as shown and described.
6th, I claim the swinging axle, a, in combination with the gear wheel, b', pinion, Q, and lever, A, for throwing the thrashing apparatus into and out of gear, substantially as described.

9,653.—WEAVING CORDED FABRICS.—William Smith, New York City. Dated April 5, 1853. Extended April 5, 1867. Reissue No. 2,656, dated June 18, 1867. Application for reissue received and filed Sept. 10, 1867. Division A.
I claim the process herein specified of weaving, consisting in the use of stationary warps in combination with moving warps and filling that incloses such stationary warps, substantially as set forth.

9,653.—WEAVING CORDED FABRICS.—Wm. Smith, New York City. Dated April 5, 1853. Extended April 5, 1867. Reissue No. 2,656, dated June 18, 1867. Application for reissue received and filed Sept. 10, 1867. Division B.
I claim the fabric specified, the same being formed with center warps, in closed by the weft threads that are held upon the surface of the center warp

by the interlocking of the movable warps between the center warps, thereby causing the weft threads to be pressed tightly upon the center warp.

9,653.—WEAVING CORDED FABRICS.—Wm. Smith, New York City. Dated April 5, 1867. Extended April 5, 1867. Reissue No. 2,656 dated June 18, 1867. Application for reissue received and filed Sept. 10, 1867. Division C.

I claim the device for its equivalent for supporting the stationary central warps, in combination with mechanism substantially as set forth, for performing the weaving.

64,761.—EYELETING MACHINE.—Wm. N. Ely, Stratford, Ct., assignee by mesne assignments of Luther Hall, Boston, Mass. Dated May 14, 1867. Application for reissue received and filed Sept. 9, 1867. Division A.

1st, I claim a movable head or carrier, in combination with the punch and set, or either of them, constructed, arranged, and operating substantially as described.

2d, A head or carrier so constructed and operated as to allow the punch and set to be alternately depressed by the same lever, substantially as described.

3d, So constructing the mechanism that the punching table and setting bed shall reciprocate laterally and alternately occupy the same place, substantially as and for the purposes described.

4th, The reciprocating punching bed in combination with a stationary work supporting table, when constructed and arranged so as to be moved to and from the punch, and under the material, substantially as described.

5th, Adjusting the length of the set or punch, or both, substantially as described.

6th, The striking lever, so constructed and arranged as to cause the set to pick up the eyelet while the punch is making the hole for its reception, substantially as described.

7th, The setting die, so constructed and operating as to pick up the eyelets from the chute, and present them to the place of insertion, substantially as described.

8th, The reciprocating solid and solid-pointed setting bed, constructed, arranged, and operated substantially as described.

9th, Feeding the material forward by means of the setting bed or holding point, substantially as described.

10th, Providing the set with spring pistons, substantially as described.

11th, The hopper for holding the eyelets, in combination with actuating devices, and the adjustable chute with its enlarged receptacle or dish, constructed and arranged substantially as described.

12th, The combination of parts by which the setting bed and the feeding point are operated and controlled substantially as described.

64,761.—EYELETING MACHINE.—Wm. N. Ely, Stratford, Ct., assignee by mesne assignments of Luther Hall, Boston, Mass. Dated May 14, 1867. Application for reissue received and filed Sept. 9, 1867. Division B.

1st, I claim a feeding instrument which engages with the work, feeds forward, and disengages, in combination with a punch or set, or both, substantially as described.

2d, A presser foot for holding the work to the table, in combination with a punch or set, or both, substantially as described.

3d, The spring presser foot, in combination with the feeding mechanism, arranged and operating with an eyeleting mechanism substantially as described.

4th, An adjustable work feeding mechanism, in combination with the mechanism for punching and eyeleting, substantially as described.

5th, Punching the holes, supplying, inserting, and setting the eyelets, spacing the distances, holding and feeding forward the work automatically, substantially as described.

64,761.—EYELETING MACHINE.—Wm. N. Ely, Stratford, Ct., assignee by mesne assignments of Luther Hall, Boston, Mass. Dated May 14, 1867. Application for reissue received and filed Sept. 9, 1867. Division C.

1st, I claim a hopper for holding the eyelets, constructed with lateral openings for the same, substantially as described.

2d, A chute for receiving the eyelets from the hopper and delivering them to the setting mechanism, substantially as described.

3d, Making the chute adjustable to eyelets of different sizes, substantially as described.

4th, The hopper and chute in combination with the set, when constructed and arranged substantially as described.

5th, Constructing the set so as to adapt it to eyelets of different sizes, substantially as described.

64,761.—EYELETING MACHINE.—Wm. N. Ely, Stratford, Ct., assignee by mesne assignments of Luther Hall, Boston, Mass. Dated May 14, 1867. Application for reissue received and filed Sept. 9, 1867. Division D.

1st, I claim the combination of carrier, D, with punch, E, and set, F, or either of them, constructed, arranged, and operating substantially as described.

2d, The combination of carrier, D, with both punch, E, and set, F, or either of them, lever, K, and cam, L, constructed, arranged, and operating substantially as described.

3d, The combination of carrier, D, with both punch, E, and set, F, or either of them, lever, K, and cam, L, constructed, arranged, and operating substantially as described.

4th, The combination of carrier, D, set, F, and setting bed, S, substantially as described.

5th, The combination of carrier, D, punch, E, and sliding plate, Q, substantially as described.

6th, The combination of carrier, D, punch, E, set, F, sliding plate, Q, and bed, S, substantially as described.

7th, The carrier, D, constructed, arranged, and operated substantially as described.

8th, The lever, K, constructed and operating substantially as described.

9th, The set, F, constructed substantially as described.

10th, The combination of levers, V and T, and pin, S, substantially as and for the purposes described.

11th, The combination of plates, Q and R, arranged and operated substantially as described.

12th, The combination of levers, V and T, pin, S, and screw, W, substantially as and for the purpose described.

13th, The combination of set, F, pins, a and b, and spring, d, substantially as described.

14th, The combination of lever, T, block, U, lever, V, and eccentric wheel, W, constructed, arranged and operating substantially as described.

15th, The combination of hopper, B, agitator, e, and chute, A, constructed and arranged substantially as described.

16th, The combination of hopper, B, chute, A, groove, g, hole, h, and bottom, S, substantially as described.

17th, The combination of hopper, B, chute, A, dish, h, and set, F, substantially as described.

18th, The combination of sliding plates, Q and R, or either of them, with stationary table, A, substantially as and for the purposes described.

19th, The combination of presser foot, N, spring, Q, with both punch, E, and set, F, or either of them, and table, A, substantially as described.

20th, The combination of presser foot, N, and pin, S, arranged and operating substantially as described.

68,298.—HOOP SKIRT.—William Ryerson, Philadelphia, Pa. Dated Aug. 27, 1867. Application for reissue received and filed Sept. 10, 1867.

I claim an adjustment applied substantially as set forth to the tapes or vertical connections of a skirt, for the purposes set forth.

66,131.—FRAME FOR STRETCHING WET LEATHER.—Ichabod W. Dawson, Newark, N. J. Dated June 23, 1867. Application for reissue received and filed Sept. 11, 1867.

1st, I claim the combination of means for supporting the center of the hide, with means for stretching the same breadthwise over the said support, substantially as described.

2d, The combination of means for supporting the center of the hide with means for stretching the same breadthwise and lengthwise over the said support, substantially as described.

66,131.—FRAME FOR STRETCHING WET LEATHER.—Ichabod W. Dawson, Newark, N. J. Dated June 25, 1867. Application for reissue received and filed Sept. 11, 1867. Division B.

I claim the process substantially as herein described of stretching leather or hides.

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2,324.—BLOWER FOR FURNACES, ETC.—Benj. F. Sturtevant, West Roxbury, Mass. Aug. 13, 1867.

2,090.—BRUSH.—Henry Rosenthal, New York City. July 16, 1867.

2,327.—METHOD OF AND APPARATUS FOR CLARIFYING SUGAR, ETC.—Benjamin Lawrence and Phineas Lawrence, New York City. Aug. 2, 1867.

2,351.—HARROW.—Halsey H. Monroe, Rockland, Me. Aug. 3, 1867.

2,355.—FELTING MACHINE.—James S. Taylor, Danbury, Conn. Aug. 3, 1867.

2,390.—PRINTING PRESS.—Edwin Allen, Norwich, Conn. Aug. 8, 1867.

2,393.—CASE OR BOX FOR HOLDING TWINE OR CORD.—Frederick J. Seymour, New York City. Aug. 9, 1867.

2,395.—KNIFE AND FORK.—Wm. J. Miller, New York City, and Frederick J. Miller, Brooklyn, N. Y. Aug. 9, 1867.

2,396.—MACHINERY FOR THE MANUFACTURE OF CUT NAILS.—John H. Geary, Fairhaven, Mass. Aug. 9, 1867.

2,398.—PROCESS FOR REMOVING SULPHUR, PHOSPHORUS, AND OTHER IMPURITIES FROM IRON, STEEL, AND OTHER METALS.—John F. Bennett, Pittsburgh, Pa. Aug. 12, 1867.

2,345.—MACHINE FOR CLEANING BARRELS OR CASES.—Jonathan Peacock, Rockford, Ill.—Aug. 15, 1867.

2,376.—EYELET AND PAPER FASTENER COMBINED.—Edward Boynton, New York City. Aug. 7, 1867.

2,319.—CENTRIFUGAL APPARATUS FOR WASHING SUGAR.—George E. Evans, Boston, Mass. Aug. 13, 1867.

2,335.—FASTENING FOR SECURING BAYONETS OF FIRE-ARMS.—Paul A. Oliver, New York City. Aug. 14, 1867.

2,353.—COTTON BALE TRE.—John W. Hedenberg, Chicago, Ill. Aug. 14, 1867.

2,368.—CONSTRUCTION OF MOLDS FOR CASTING ALUMINUM PLATES FOR ARTIFICIAL TEETH, ALSO METHOD OF CASTING SAID PLATES, SECURING THE TEETH THEREIN, ETC.—James B. Bean, Baltimore, Md. Aug. 17, 1867.

2,420.—MANUFACTURE OF IRON AND STEEL, AND APPARATUS EMPLOYED THEREIN.—Virgil W. Blanchard, Bridport, Vt. Aug. 23, 1867.

2,421.—CONSTRUCTION OF CONCUSSION FUSES FOR THE EXPLOSION OF PROJECTILES.—Edward A. Dana, Brookline, Mass. Aug. 23, 1867.

EXTENSION NOTICES.

Mathew Stewart, of Philadelphia, Pa., having petitioned for the extension of a patent granted to him the 3d day of January, 1854, for an improvement in floor plates of malt kilns, for seven years from the expiration of said patent, which takes place on the 3d day of January, 1868, it is ordered that the said petition be heard at the Patent Office on Monday, the 16th day of December, 1867.

R. P. Walker, of New York City, having petitioned for the extension of a patent granted to him the 20th day of December, 1853, for an improvement in machine for hulling and scouring coffee, for seven years from the expiration of said patent, which takes place on the 20th day of December, 1867, it is ordered that the said petition be heard at the Patent Office on Monday, the 2d day of December next.

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