

I claim the combination of the lock and latch when the latch bolt and its operative mechanism are arranged in a case or frame independent of the main case and constructed so that the latch bolt may be removed substantially as described without removing the said independent case from the main case.
72,947.—HORSE COLLAR.—Leopold Wegmann and C. F. Biessell, Allegheny City, Pa.
We claim, 1st, The collar to be used without hames and dispensing with the rim having the curved pieces of wood, B, B, and the blades, C, C, forming a part of it, constructed substantially as and in the manner set forth.
2d, The metal blade, C, having the notches, f, f, and the clasp, m, for the purpose set forth.
3d, The clip, consisting of the detachable link, a, plate, b, T-shaped portion e, constructed and operating substantially as set forth; and
4th, The combination of the clip, G, with the metal blade, C, as shown in the drawing, fig. 5.
72,948.—COMBINED SASH AND SHUTTER FASTENER.—A. H. Wemple and Thomas D. Richardson, New York city.
I claim the jointed plate, A, having a bent extremity, c, and combined with the duplex hook, B, to form a blind and sash fastener, as herein described and represented.
72,949.—METHOD OF MANUFACTURING RIBS AND BOLSTERS FOR DOUBLE-BARRELED GUNS.—D. W. Wesson and John H. Blazie, (assignors to Wesson Fire-Arms Company), Springfield, Mass.
We claim, 1st, Constructing ribs for double-barreled guns from a metallic tube, substantially as set forth.
2d, Constructing a "bolster" or keel to be used in combination with a rib upon a double-barreled gun from a collar fastened to or made a part of the metallic tube out of which such rib is to be formed, substantially as described.
3d, As a article of manufacture a rib for use upon a double-barreled gun when formed from a metallic tube, substantially in the manner specified.
72,950.—BRIDLE BIT.—Richard P. Whelan, Leavenworth, Kansas.
I claim, 1st, The straight bar, A, having rings or bows, a, a, the curved under bar or bow, B, with one or more rollers, b, as constructed with ornamental scroll like pieces, C, C, diamond-shaped rings, E, E, friction rollers, e, when combined with single reins, G, G, arranged and operating substantially in the manner herein described for the purposes specified.
2d, Also the combination of the single pair of reins, G, G, with the loops, h, h, pulleys, I, I, rings, F, F, and snaffle hook, E, when connected and arranged in the manner as and for the purposes herein set forth.
72,951.—MACHINE FOR GRINDING AND POLISHING ARTICLES OF METAL.—J. Albert Whippley, Greenwich, New Brunswick.
I claim the combination of the two grindstones or polishing wheels, G, G, rest, J, rock shaft, O, and arm, P, arranged and constructed as and for the purposes described.
72,952.—STEAM ENGINE LUBRICATOR.—J. L. Whippley and Adelphi Bonzano, Detroit, Mich.
We claim the combination of the perforated or indented rod, E, and oil cup, B, with the cylinder, A, and slide valve, B, substantially as described for the purpose specified.
72,953.—DITCHING MACHINE.—David Whisler, Union Township, Ohio.
I claim, 1st, The hinged platform, T, for regulating the depth of the furrow or ditch, substantially as described.
2d, In combination with the above, screw, h, and springs, t, substantially as set forth.
3d, Axle, B, wheels, C, C, beam, A, platform, T, screw, h, springs, t, and vertical knife, P, all combined and arranged as and for the purpose set forth and described.
72,954.—BOLT CUTTER.—W. W. Worden (assignor to himself and Daniel Howell), Waukesha, Wis.
I claim eccentric lever, B, hook, E, roller, D, and cutting-knife, C, in combination, substantially as described.
72,955.—LACING DEVICE.—Alfred Young, Philadelphia, Pa.
I claim, 1st, The cleat, a, attached to a shoe, or other article of wearing apparel secured by laces, at opposite sides of an opening or slit in the same, and arranged, in respect to the usual eyelet openings, as set forth.
2d, The cleat, d, made in the form of a double hook, as and for the purpose specified.
72,956.—CASTER FOR TRUNKS.—W. H. Young and L. Young, Boston, Mass.
We claim the combination and arrangement of the several parts of the caster, namely, the bolt, c, with its wheel, f, the slot, d, the pin, e, and the spring, g, all in combination, and operating substantially in the manner and for the purpose above set forth.
72,957.—GATE.—Isaac N. Young, Swan, Ind.
I claim, 1st, In combination with a sliding gate, the arrangement of the pulley shaft, e, and crank shaft, H, the latter two connected together by the rings at their extremities, in the manner and for the purposes set forth.
2d, The sliding bars or arms, a, a, in combination with the crank shaft, H, when used in connection with a farm gate, substantially as and for the purpose specified.
3d, The spring, O, when used in connection with the cord, c, upon a farm gate, substantially as and for the purpose specified.
72,958.—WATER METER.—Cyrus W. Baldwin, Boston, Mass.
I claim, 1st, The combination, in a meter such as described with the valve rods and valves for regulating the flow of the liquid through the meter, of the flexible diaphragm, and spring devices, or their equivalents, for operating the said valves, under such an arrangement that, while the valves and valve rods are partially actuated by the said diaphragm, they shall be free to complete their movement in either direction by the action of the said spring devices, substantially in the manner set forth.
2d, The combination, with the flexible diaphragm, slotted forks, o, o', and sleeves, r, r', which carry the triangular wipers, of the valves, c, c', valve rods, s, s', and spring devices for completing the movement of the said valves, in the manner and for the purposes shown and specified.
3d, The combination, with the flexible diaphragm, valves for closing the outlet ports, and mechanism for actuating said valves, of the vibratory arms, z, z, and valve, n, for closing the outlet port, substantially as shown and for the purposes described.
4th, The combination and arrangement, with the valves, c, c' and n, and mechanism for actuating the same, of the ports for the admission and discharge of the liquid into and from the meter, substantially as herein shown and set forth.
REISSUES.
69,746, dated October 15, 1867; antedated September 17, 1867; reissue 2,821.—WINDOW-SASH FASTENER.—Hobart G. Arnold, Rochester, N. Y.
I claim a sash lock, composed of bolt, H, tumbler, G, and notched plate, the whole combined and arranged substantially as and for the purposes set forth.
69,755, dated October 15, 1867; reissue 2,822.—COMB.—Jas. H. Briggs, Brooklyn, N. Y.
I claim the longitudinal flanges, b, on the metallic part, B, constructed as described, and fitting over longitudinal shoulders, a, in the part or parts, A, as herein set forth for the purpose specified.
69,181, dated September 24, 1867; reissue 2,823.—BUCKLE.—Ezra Cole, Fairfield, Mich.
I claim the buckle, constructed as described, consisting of the curved frame, A, having at one end the plate, C, provided with a downward projection or lug, D, in combination with the ball, E, whose pins, F, rest and slide upon the upper edges of the curved frame, A, as herein described, as and for the purpose specified.
52,945, dated February 27, 1866; reissue 2,824.—STEAM GENERATOR.—Charles F. Jaquet, Aurora, Ill., assignor to himself and A. J. Ambler.
I claim, 1st, A water bridge placed within the fire box, constructed in the

form of a semi-tube, as set forth, flanged and riveted to the fire-sheet and side water legs, so as to afford an unobstructed communication with the back-water space and side water legs, said sheet being sustained by stay-bolts, substantially as set forth.
2d, The combination of the vertical stay-bolts, C, C, and the through stay-bolts, F, F, with the semi-tube water bridge and the outer jacket of the fire box, substantially as shown and for the purpose set forth.
52,945, dated February 27, 1866; reissue 2,825.—STEAM GENERATOR.—Charles F. Jaquet, Aurora, Ill., assignor to himself and A. J. Ambler.
I claim a coal-burning locomotive, constructed with the following elements, viz: a water bridge constructed and applied substantially as shown, and with a series of air-jets, I, I, through the several sides of the fire box, located and limited in their location around the fire box above the fire, and below the water bridge, substantially as shown.
66,935, dated June 25, 1867; reissue 2,826.—BOOT CRIMPER.—De Witt C. Mowrey, Milford, Mass.
I claim the combination, with the clamp and spreader, and the screw for operating the latter, of the two adjustable jaws placed on each side of the spreader, and supported upon and depending from the said clamp, so as to be located and held at all times between the jaws of the same, in the manner described, so that when the spreader is lowered, the movable jaws shall approach each other and recede from the jaws of the clamps, as herein specified. Also, the application of the auxiliary jaws to the clasp, by means substantially as described, viz: by the arms provided with ears, and by the slot having the supports arranged as set forth.
74,028, dated April 23, 1867; reissue 2,827.—APPARATUS FOR COOLING MILK.—Watson Tucco, Brookock's Grove, Ill.
I claim the combination of a pipe, B, provided with a receiver, C, or its equivalent, with a cooling vat, A, arranged to operate substantially in the manner and for the purposes herein set forth.
61,956, dated Feb. 12, 1867; reissue 2,828.—COOKING STOVE.—J. J. Savage, Troy, N. Y.
I claim, 1st, The location of a fuel doorway or feed mouth, B, of stove furnaces, substantially below and forward of the combustion or flame chamber, C, thereof in such immediate or contiguous position to the fire box, A, Y, thereof, as to admit of fresh fuel being fed thereto, in manner substantially as hereinbefore described and for the purposes set forth.
2d, Also 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 described, for the purposes set forth.
3d, Also a level feeder, F, substantially as described, when operated in combination with and through said fuel doorway, B, of stove furnaces, in manner described, for the purposes set forth.
4th, Also providing a feed lever, F, with a fulcrum hook, c, or an equivalent therefor, when used in combination with a fulcrum ridge or bearing, d, arranged on the edge of the aforesaid located fuel doorway, B, of stove furnaces, substantially as and for the purposes set forth.
5th, Also 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, Also 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, Also the combination of the aforesaid located fuel doorway, B, fire box, A, Y, 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, Also 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 of a fuel doorway or doorway, B, located as described, and of a feed lever, F, or equivalents thereof, operating substantially as herein set forth for the aforesaid purposes.
21,029, dated July 27, 1858; reissue 2,829.—CLOTHES WRINGER.—Ann Jane Sergeant, Dayton, Ohio, administratrix of the estate of Isaac A. Sergeant, deceased, assignor to Sylvanus Walker, Newark, N. J.
I claim, 1st, The employment or use of a portable frame or yoke, B, with uprights, S, S', or their equivalents, for supporting a clothes wringing mechanism in position on one side of a common wash tub, for the purposes set forth.
2d, The application of an adjustable clamping device, when employed to attach a clothes wringer to one side of a wash tub, substantially in the manner described and for the purposes set forth.

DESIGNS.

2,851.—SADIRON HANDLE.—Arad Barrows, Philadelphia, Pa.
2,852.—MOLDING FOR PICTURE FRAMES.—John H. Brown, Geneseo, N. Y.
2,853.—MOLDING FOR SHOW CASES.—Casper Fersch, New York city, assignor to Hoffman & Fersch.
2,854.—TRADE MARK.—John Gorham Providence, R. I.
2,855.—PISTOL BARREL.—John Murphy, New York city.
2,856.—KEY TAG.—Arthur Stafford, Brooklyn, N. Y.
2,857.—REFLECTOR.—August Wilhelm, Philadelphia, Pa.
PENDING APPLICATIONS FOR REISSUES.
Application has been made to the Commissioner of Patents for the Reissue of the following Patents, with new claims as submitted. Parties who desire to oppose the grant of any of these reissues should immediately address MUNN & Co., 37 Park Row, N. Y.
69,062.—BOOK COVER PROTECTORS.—Charles L. Alexander and Victoria A. Osborn, Washington, D. C. Dated September 24th, 1867. Application for reissue received and filed December 19th, 1867.
1st, We claim the elastic or meliorated strips, b, b, b, connecting the folds, D, D, D, by means of clasps or other devices, and applicable to any form of book cover, in such manner as to render it extensible.
2d, The elastic bands or straps, a, a, a, to form an expansible connection for the two halves of the book cover protector, substantially as described.
3d, Such a book cover protector, or mode of covering books, as by reason of its extensibility and extensibility, may be adjusted to books of various sizes, substantially as described.
15,514.—FRUIT BOX.—Jabez W. Hayes, Newark, N. J.—Dated Aug. 12th, 1856. Application for reissue received and filed Dec. 20th, 1867.
I claim, 1st, A box or basket formed of veneers or lamina of wood, laid across each other and turned up to form the sides, substantially as specified, so that the bottom is made of two thicknesses secured together, and the sides of single thicknesses.
2d, Connecting the veneers, A and B, together at the bottom of the basket or box, substantially as specified.
3d, A box or basket formed of veneers or lamina of wood, crossing each other at the bottom and turned up to form the sides, in combination with a cord or its equivalent, passing around the sides to hold them together, substantially as set forth.
4th, A box or basket in which one lamina of wood forms two of the sides and one thickness of the double bottom, substantially as set forth.
13,096.—SECURING CUTTERS TO ROTARY DISKS.—Nathan Stephens (assignee of Jonah Newton), New York city. Dated June 19th, 1855. Application for reissue received and filed Dec. 21st, 1867.
I claim, 1st, The employment and use of cutters for rotary disks, plates, or saws, composed of the segment of a ring fitted in recesses comprising a portion of a circle, and arranged as shown, or in any equivalent way, to admit

of the adjustment of said cutters to compensate for wear, and also to admit of the ready detachment of the same for the insertion of new teeth when required.
2d, A rotary cutter, consisting of a disk having recesses, which represent the segment of a circle, and teeth adapted to and admitting of being adjusted in these recesses, substantially as set forth for the purpose specified.
3d, The tooth or cutter consisting of the segment of a ring having on its convex side a rib adapted to a groove in the above mentioned recess.
4th, The screw, h, and segmental nut, f, arranged for screwing the tooth or cutter to the disk or plate, as set forth.
65,917.—COVERING WHIPS.—Charles C. Pratt (assignee of Gamaliel King), Westfield, Mass. Dated June 18th, 1867. Application for reissue received and filed Dec. 21st, 1867. Div. 1.
I claim, 1st, A waterproof coating, consisting of the combined ingredients herein shown and described.
2d, The application of the dissolved caoutchouc, with or without the lead and oil, to a whip, substantially as and for the purposes shown.
65,917.—COVERING WHIPS.—Charles C. Pratt (assignee of Gamaliel King), Westfield, Mass. Dated June 18th, 1867. Application for reissue received and filed Dec. 21st, 1867. Div. 2.
I claim, 1st, The covering of the body of a whip with an inner braiding, a, substantially as shown and described.
2d, The combination of the inner and outer braidings, d, f, with the varnish or coatings, e, all applied in the construction of a whip, substantially as shown and described.
33,496.—HARVESTERS.—John F. Seiberling, Akron, Ohio. Dated Oct. 15th, 1861. Application for reissue received and filed Dec. 23, 1867. Div. A.
I claim, 1st, The combination, substantially as described, of a brace bar, F, pivoted to the rear corner of the main frame, and extending forward outside of and parallel to the inner driving wheel, with a coupling arm, P, pivoted to the main frame near its front outer corner, the brace bar and coupling arm being firmly united at the point of intersection for the purposes set forth.
2d, The combination, substantially as described, of the longitudinal brace bar with a transverse coupling arm, when the two are rigidly connected at their point of intersection, and vibrate on an axis diagonal to both (or passing through their respective pivots), whereby the coupling frame can play freely without cramping the joints, as set forth.
3d, The combination, substantially as described, of a shoe (to which the finger beam is attached), a coupling arm, pivoted at one end to the toe of the shoe and at the other to the main frame, and a brace bar rigidly secured to the coupling arm at one end and pivoted to the main frame at the other, with an intermediate coupling connecting the heel of the shoe with the coupling arm, for the purposes set forth.
4th, The combination, substantially as described, of a shoe extending behind the finger beam with a swiveling link converting the shoe and coupling arm, for the purpose of allowing the finger beam to fold horizontally.
5th, The combination, substantially as described, of a coupling brace and overhanging arm, F2, a shoe and swiveling link, h2, whereby the finger beam is allowed to swing both vertically and horizontally.
6th, The combination, substantially as described, with the right angled coupling frame, F', of the lifting lever flexibly connected with the right angle of the frame, for the purposes set forth.
7th, The combination in a harvester of two wheels, an inside main frame, a right angle brace bar, rigidly secured to a coupling arm, pivoted at one end to the main frame and at the other end to the shoe which carries the finger beam, a swiveling coupling between the brace bar and shoe, and a caster wheel to support the divider end of the finger beam.
8th, The combination, with a horizontally folding finger beam, of a caster wheel which, when the beam is folded, swings into a position where its face is parallel with the finger beam, and with the path of the machine, and sustains the finger beam in its folded position.
33,496.—HARVESTERS.—John F. Seiberling, Akron, Ohio.—Dated Oct. 5th, 1861. Application for reissue received and filed Dec. 23d, 1867. Div. B.
I claim, 1st, A platform composed of slats supported at the end next the finger beam only, and arranged to drop the gavel directly behind the finger beam.
2d, The combination with a harvesting machine of a platform (to support the falling grain) made of slats arranged at an angle to the finger beam, and supported at the end next the finger beam only.
3d, The combination of a reel with a platform composed of slats supported at one end only.
4th, The combination of a reel, a slatted platform and a cut-off, or device for receiving the cut and falling grain while the gavel is being discharged.
5th, The combination with a slatted platform, supported at the end next the finger beam only, of a device operated by the driver for discharging the gavel directly behind the finger beam.
6th, The combination of a platform, hinged at its front end only, and a vertically moving cut-off with a device operated by the driver, who by a single movement, drops the gavel and in the same movement, cuts off to receive the grain, which falls during the discharge of the previously accumulated gavel.
33,496.—HARVESTERS.—John F. Seiberling, Akron, Ohio. Dated Oct. 5th, 1861. Application for reissue received and filed Dec. 23d, 1867. Div. C.
I claim, 1st, A cut-off composed of a bale or rod actuated by the tilting of the platform to discharge the gavel.
2d, A cut-off automatically operated by the dropping of the platform.
3d, The combination with a platform which drops the gavel directly behind the finger beam of a vertically moving cut-off.
4th, The combination with a slatted platform supported at the end next the finger beam only, of a cut-off moving in the arc of a circle, to receive the falling grain during the discharge of the gavel.
5th, The combination of a cut-off with a hinged finger beam and platform.
6th, The combination of a cut-off with a slatted platform and a hinged finger beam.
7th, The combination with a hinged finger beam of a reel and a cut-off.
8th, The combination with a hinged finger beam of a reel, a cut-off, and a slatted platform.
33,496.—HARVESTERS.—John F. Seiberling, Akron, Ohio. Dated Oct. 5th, 1861. Application for reissue received and filed Dec. 23d, 1867. Div. D.
I claim, 1st, The combination with a hinged finger beam of a platform supported at one end only.
2d, The combination with a hinged finger beam of a platform hinged at its forward end to said beam.
3d, The combination with a hinged finger beam of a platform composed of slats arranged at an angle to the finger beam.
4th, The combination with a hinged finger beam of a tilting platform.
5th, The combination with a hinged finger beam of a tilting platform and a reel.
6th, The combination with a horizontally folding finger beam of a platform so hinged as to turn up vertically, or nearly so, to enable the finger beam to fold close to the machine.
7th, The combination with a two-wheeled side draught hinge joint machine of a clamping, dropping, or tilting platform, connected with the main frame through the medium of the finger beam only.
8th, The combination in a two-wheeled side draught hinge joint machine of an adjustable cutting apparatus, a tilting platform and a lifting mechanism, in such manner that said cutting apparatus and platform can be raised for passing obstructions while the machine is in motion.
9th, The combination with a tilted slatted platform and a floating finger beam of a wheel supporting the divider end of the finger beam.
10th, The combination with a horizontally folding finger beam and tilting platform, and of a caster wheel supporting the divider end of the finger beam and platform.
67,954.—DE ICE FOR PREPARING PLATES FOR SPRINGS.—Jas. B. Cleveland, Hackensack, N. J. Dated Aug. 20th, 1867. Application for reissue received and filed Nov. 25th, 1867.
I claim forming the tapering ends or points of the spring plates, P, P', figs. 1 and 2, into their proper width and thickness, ready for use, without hammering, by means of concave dies, A, A' and B, B', which may be operated by any suitable device, for the purpose as above set forth.

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