

78,381.—RUNNING CORNICE.—Alexander Leverty, Bridgeport, Conn.
I claim molds or forms for running stucco cornices, constructed in the manner herein described, so as to form complete the moldings into the internal angles, substantially as set forth.

78,382.—WATCH KEY.—Wm. Lindon, New Haven, Conn.
I claim a key provided with a sheath, B, the upper end of which is slitted so as to form springs to secure the sheath to the key, substantially as set forth.

78,383.—GRAIN CAR.—W. A. Long and J. E. Lavey, Plymouth, Ind.
We claim the arrangement of the boxes, A, with the revolving gate, C, between, and racks bars, D, shafts, G, and cog wheels operated by the lever, I, and placed at the outer ends of the boxes, substantially as and for the purposes specified.

78,384.—SHOE.—Robert O. Lowrey, Salem, N. Y.
I claim a waterproof shoe or covering for the foot, when manufactured of cloth, paper, or leather, made waterproof by my patented process herein mentioned, or of either of these materials, or of any combination of the same, substantially as herein described, as a new article of manufacture.

78,385.—BOOT AND SHOE.—Nicholas Lunsden, San Francisco, Cal.
I claim, 1st, The regulating guide, consisting of the sliding rod, L, and its adjustable nut, M, together with the screw plate, I, and the wire-holding clamp, the whole constructed and operating substantially as and for the purpose described.
2d, The adjustable last standard, constructed and operating substantially as and for the purpose described.
3d, The device consisting of the spring, W, rod, V, cylinder, G, and barrel, H, for obtaining a perpendicular motion of the last, and a pressure against the screw plate, substantially as and for the purpose described.

78,386.—COFFEE ROASTER.—Benj. K. Maltby (assignor to Thomas N. Drake), Cincinnati, Ohio.
I claim a coffee roaster provided with an axis or shaft, to which paddles, acting as inclined planes, and combined with elastic plates, are attached, and which revolves within a stationary semi-cylindrical bed, the whole being constructed, arranged and operated substantially in the manner and for the purpose described.

78,387.—HOLDER FOR LATHE PLANER.—Joseph P. Manton, Providence, R. I.
I claim a tool holder, constructed substantially as herein described.

78,388.—MACHINE FOR DRESSING BRICKS.—James McNamara, Buffalo, assignor to himself and C. D. Paze, Rochester, N. Y. Antedated May 18, 1868.
I claim, 1st, Alternately arresting and releasing the endless carrier, B, by means of the lever, J, which, and arm, Q, R, spring, U, and wedge, T, arranged and operating substantially as set forth.
2d, The combination of the frame, J, in combination with a vertically sliding frame for operating them, substantially in the manner and for the purpose specified.
3d, In combination therewith, the end plates, m, m, rods, n, n, and springs, p, p, arranged and operating substantially as and for the purpose set forth.
4th, The combination of the plates or platens, g, g, m, m and w, w, for dressing brick by simultaneously pressing it on all sides, when operated substantially in the manner specified.
5th, The machine, as a whole, constructed, arranged, and operating substantially as set forth.

78,389.—GATE.—Levi Miller, Johnsville, Ohio.
I claim the construction of a farm gate, in the manner as herein described and represented.

78,390.—PLOW.—H. Walker Neal, Sydney, Ohio.
I claim, 1st, The lever, E, pivoted upon the main axle, as set forth, for raising and lowering the wheel, A'.
2d, The combination of the levers, E and E', notched flange, e, and spring, e', for the purpose of holding the wheel, A', in desired position.
3d, The combination of the tongue, B, lever, G, clevis, H, and plowbeam, C, arranged and operating as and for the purpose set forth.

78,391.—BOILER FOR MAKING MAPLE SUGAR.—Gaius L. Parker, Coventryville, N. Y.
I claim the heads, BB, with narrow flanges extending outward, so that the sheet metal, A, may be bent or stamped to conform to the shape of the heads, and thereto be riveted to the flanges, all constructed and used as specified.

78,392.—SUN DIAL.—H. C. Pearsons, Ferrysburg, Mich.
I claim the combination of the polar dial, A, and the equatorial dial, B, with the semi-cylinder, C, when employed instead of a plane surface for the equatorial dial.

78,393.—FIRE PLUG.—John H. Rhodes, Brooklyn, N. Y.
I claim the hydrant, having its lower end working on a universal joint communicating with the water main, and its upper end sustained by suitable springs, substantially as and for the purpose specified.

78,394.—BAGGAGE CHECK.—H. Schuyler Ross, Buffalo, N. Y., assignor to Charles G. Ross, New York city.
I claim, 1st, The combination of a baggage check, containing many names and perforations, with a separate and detachable pointer or indicator, substantially as herein specified.
2d, A detachable metallic index or pointer, so constructed as to securely retain a given position upon a baggage check, containing many names and perforations, substantially as and for the purpose specified.

78,395.—STEAM WATER INJECTOR.—H. Schuyler Ross, New York city, assignor to Charles G. Ross and Henry B. Eells. Antedated May 14, 1868.
I claim, 1st, The arrangement of the water pipe or conductor, E, in such relation to the steam pipe or jet, C, that the discharge end of such water pipe shall open or discharge within the steam pipe or jet, substantially as herein specified.
2d, The arrangement of the water pipe or conductor, E, so that by a longitudinal movement of the said water pipe or conductor the flow of steam from the steam pipes or jet, C, may be entirely shut off or regulated, substantially as herein specified.

78,396.—HAND SEED SOWER.—E. W. Sanderson and W. A. Shattuck, Hillsboro county, N. H., assignors to themselves, Benj. Whiting and H. J. Miller.
We claim the cylinder, A, with grooves and straps, D, made and arranged and operating with screw, F, substantially as and for the purposes set forth.
2d, The arrangement of the plow, G, with spring, H, arranged and operating substantially as and for the purposes above set forth.

78,397.—SPRING BED BOTTOM.—Alvah L. Sawyer and Wilson Baldwin, Detroit, Mich.
We claim the combination of the transverse bars, A A and F F, the longitudinal bars, B B and E E, with the fulcrum blocks, C C C, the crocheted, transverse spring, D, and the slats, H H H, etc., when constructed, arranged, and operating substantially as herein set forth and shown.

78,398.—CHURN.—Augustus Schuffert and George Cooper, Wyandotte, Mich.
We claim the combination and arrangement of the shafts, B and E, together with the wheels, C and D, and the dasher, operating as and for the purpose above described.

78,399.—APPARATUS FOR MEASURING CLOTH.—Caleb L. Shottwell, Allamuchy, N. J.
I claim, 1st, The combination with an apparatus constructed substantially as described, for measuring cloth in the roll or piece, of a dial or indicator, substantially as described.
2d, The combination with a cloth measuring device of a reel, cord and dial, substantially as described and for the purpose set forth.
3d, The measuring apparatus, constructed as described and shown by the drawings.

78,400.—METHOD OF MOUNTING THE CUTTERS OF ROTARY PLOWS.—Phlander H. Standish, Martinez, Cal.
I claim, 1st, The revolving hubs, E E, and the supporters, F F, constructed and operating substantially as and for the purpose described.
2d, A flexible or yielding arm, having the spring, G, or its equivalent, together with the rotary cutter, substantially as and for the purpose described.

78,401.—MACHINE FOR GRINDING THE CUTTERS OF MOWING MACHINES.—Anson P. Thayer, Syracuse, N. Y.
I claim, 1st, A portable grinding mechanism for grinding the cutters of mowing machines, provided with a bench forming a seat for the operator, substantially as and for the purpose described.
2d, A mowing machine grinding wheel provided with means for pressing it upon the cutter blades with a yielding pressure, substantially as and for the purpose described.
3d, The combination of the vertical extensions, C1 and C3, of the frame, C, with the bench, substantially as and for the purpose described.
4th, The mechanism of a portable cutter grinding machine, constructed substantially as described in combination with driving mechanism arranged for the application of both hands of the operator to the driving shaft, substantially as and for the purpose described.
5th, The combination with the frame, C, and the swinging frame, D, of the screwed sleeve, H, provided with a swivel joint, substantially as and for the purpose described.
6th, The combination of the oscillating frame, D, with the feeding screw, E, arranged within the frame, and serving as the axial support of the same, substantially as and for the purpose described.
7th, The rotating feed screw in combination with the sliding frame, grinding wheel, and its operative mechanism arranged with the screw, substantially as and for the purpose described.
8th, The combination of the frame, C, with the adjustable sleeves, a1 and a2, posts, B1 and B2, and the bench, A, substantially as and for the purpose described.
9th, The combination of the frame, C, with the sleeve, a2, post, B2, provided with the spiral spring, b2, and adjustable rings, b, and b1, substantially as and for the purpose described.
10th, The combination with the frame, C, of the crank shaft, C2, vertical shaft, I, and screw shaft, E, provided with the connecting gear wheels, substantially as and for the purpose described.

78,402.—STUMP EXTRACTOR.—E. W. Tibbels, Chester, Pa.
I claim the combination of the wheeled draft axle, A, the drag bar, D, and the lever, E, with the chain and the dog attached thereto, for operation, substantially as and for the purpose specified.

78,403.—LOCK BAR FOR BRIDGES.—L. E. Truesdell, Chicago, Ill.
I claim the corrugated ends of two or more bars of iron, A and A2, B and B2, when fitted together within the compressible sides of fluted clamp plates, C, D and E, as and for the purpose specified.

78,404.—RAILROAD RAIL.—Z. B. Wakeman, Rockford, Ill.
I claim the combination of the hollow shell rail, A, with its interior notches, and the block, B, when connected thereto by the wedge-shaped key, C, all constructed as specified.

78,405.—STAKE HOLDER FOR CARS.—Wm. P. Wentworth (assignor to himself and Thomas S. Sprague), Detroit, Mich. Antedated May 16, 1868.
I claim the combination and arrangement of the stake, A, the cap or sock-

et, B, the strap, C, the hinge joint, E, the button, F, the slot, G, the pins, H and I, and the level, K, arranged and described, or any other substantially the same, for the purpose designed.

78,406.—DUST PAN.—L. F. Wheaton, Madison, Conn.
I claim a dust pan having the pans, A, arranged near its handle edge, so as to elevate and hold the pan, substantially in the manner and for the purpose described.

78,407.—WOOL BOX.—Carmi Wightman, Batavia, Ill.
I claim the leaves, C, D, D, bed, I, frame, A, B, guides, F, F, cross piece, N, in combination with cover, K, pulley, F, and cord, M, the whole being constructed and arranged to raise and lower said leaves, substantially as set forth.

78,408.—PHOTOGRAPHIC CAMERA.—Simon Wing, Boston, Mass.
I claim, 1st, The self-adjusting partition, C, so acting as to be in contact with the diaphragm in all positions of the lenses, without interfering with the adjustment of the latter, substantially in the manner and for the purpose described.
2d, The combination with a sliding shut-off, the handle, G, constructed and operated in the manner and for the purpose set forth.

78,409.—OINTMENT.—Mrs. H. T. Wood, San Francisco, Cal.
I claim the above-described composition for ointment, made of the ingredients enumerated, mixed or compounded in about the proportions specified.

REISSUES.

2,943.—NECK TIE.—Herman Bendix (assignee of Herman Bendix and J. H. Fleisch), New York city. Dated March 13, 1866.
I claim a fastening device for neck tie, consisting of a book, a, elastically secured to its holder or retainer, substantially as described.

2,944.—MELODEON.—La Fayette Louis, Providence, R. I.—Dated Nov. 18, 1856. Reissue 2,493, dated Feb. 26, 1867.
I claim in combination with the reeds of a melodeon (or that class of instruments in which the air is drawn through the reeds by the exhaustion of a bellows), a tremolo valve or valves, so arranged that when vibrated it or they shall interrupt the passage of air through the reeds, and thereby produce the tremolo sound, and for the purpose set forth.
Also, in combination with the reeds of melodeon, a tremolo valve, actuated by a rotary fan or blade wheel, substantially as described.
Also, in combination with the reeds of a melodeon, a tremolo valve or valves, having a positive connection with the valve actuating mechanism, substantially as described.

2,945.—FENCE POST.—Robert Ramsey, New Wilmington, Pa. Dated Dec. 10, 1867.
I claim, 1st, The compensating features of the posts, whether effected by the combination of the gains or by keys, substantially as and for the purpose set forth.
2d, The combination of posts, P, P', when provided with square or dovetail gains, with sills, A, A', and keys, e, e, e, e, substantially as and for the purpose specified.

2,946.—SKIRT HOOP.—E. Wooster and Company, and F. Hull and Company, Birmingham, Conn., assignees of John R. Latin. Dated April 30, 1867.
We claim the bottom hoop for hoop skirts, formed by combining one or more springs in a single cover, the upper edge of which is formed as described, so as to be secured to the tapes of a skirt, as and for the purpose set forth.

2,947.—COMPOUND FOR TREATING HIDES AND SKINS.—L. F. Robertson, West Farms, N. Y. Dated April 21, 1868.
I claim a compound for treating hides and skins, made of the materials herein described.

2,948.—STEERING APPARATUS.—Charles H. Sawyer, Buxton, Me. March 31, 1868.
I claim the apparatus as herein described, having the wheel shaft, B, with its right and left screw, d, the two small double gears, a, b, and larger gear, D, with the teeth on the inner periphery thereof, substantially as and for the described purposes.

2,949.—PUMP.—Wm. Shoup, Saltsburg, Pa. Dated Dec. 27, 1864. Antedated April 26, 1862.
I claim, 1st, The combination with the pump tube, B, of the outer tube, C, and the gate valve, D, substantially as and for the purpose hereinbefore described.
2d, The gate or valve, D, in combination with the tube, C, and pump tube, A, arranged as described, for the purpose set forth.

2,950.—INVALID BEDSTEAD.—Wm. Heath, Bath, Me. Dated March 10, 1868.
I claim the combination of the recesses, K K L L, or their equivalents, with the frame, A, the two frames, D E, and mechanism for moving and depressing, or operating the back frame, E, substantially as described.
Also, the combination of the folding legs, M M, with the arms, h, h, or their equivalent, the toothed screws, G, G, of the frame, A, and the parts, B C D E, arranged and connected substantially as described.

2,951.—COMBINED RAKE AND REEL FOR HARVESTER.—Sam'l Johnston, Buffalo, N. Y., assignee by mesne assignments of himself.—Dated Feb. 7, 1865.
I claim, 1st, In combination with a series of revolving arms carrying heads or rakes which all gather the grain, and a part only of which discharge the grain, so constructing and arranging a cam way as to cause all the heads or rakes to descend to the same gathering level in front of the cutters, and then to elevate those which do not discharge above the cut grain on the platform, and above the level pursued by the discharging head or rake.
2d, In combination with a series of revolving arms carrying heads or rakes which all gather the grain, and a part only of which discharge the grain, a cam so arranged as to cause all the heads or rakes to descend to the same gathering level in front of the cutters, and a device for throwing those heads or rakes which do not discharge above the cut grain while passing the platform, and above the level pursued by the heads, or the teeth thereof, which do discharge the grain, making the said last mentioned device movable, so as to permit any one or more of said heads, or the teeth thereof, of which so discharge the grain, an auxiliary cam way opposite to the platform and controlling the arm of the rake or head which also discharges the grain.
3d, In combination with a series of revolving arms carrying heads or rakes which all gather the grain, and a part only of which discharge the grain, a cam way so constructed and arranged as to cause all the heads or rakes to descend to the same gathering level in front of the cutters, and a device for throwing those heads, or the teeth thereof, which do not discharge above the cut grain while passing the platform, and above the level pursued by the heads, or the teeth thereof, of which so discharge the grain, making the said last mentioned device movable, so as to permit any one or more of said heads, or the teeth thereof, of which so discharge the grain, an auxiliary cam way opposite to the platform and controlling the arm of the rake or head which also discharges the grain.
4th, In combination with a series of revolving arms carrying heads or rakes which all gather the grain, and a part only of which discharge the grain, and a cam way so constructed and arranged as to cause all the heads or rakes to descend to the same gathering level in front of the cutters, and a device for throwing those heads, or the teeth thereof, which do not discharge above the cut grain while passing the platform, and above the level pursued by the heads, or the teeth thereof, of which so discharge the grain, making the said last mentioned device movable, so as to permit any one or more of said heads, or the teeth thereof, of which so discharge the grain, an auxiliary cam way opposite to the platform and controlling the arm of the rake or head which also discharges the grain.
5th, In combination with the movable device set forth in the last claim, a cord, or equivalent connection, extending to the driver's seat, for operating the said device, so as to regulate the size of the ravel at the will of the driver.
6th, In combination with a series of revolving arms carrying heads or rakes which all gather the grain, and a part only of which discharge the grain, and a cam way so constructed and arranged as to cause all the heads or rakes to descend to the same gathering level in front of the cutters, and then to elevate those which do not discharge above the cut grain on the platform, and above the level pursued by the discharging head or rake, an auxiliary cam way for guiding and controlling the arm of the rake or head which discharges the grain while said arm is passing the platform.
7th, In combination with a series of revolving arms carrying heads or rakes which all gather the grain, and a part only of which discharge the grain, and a cam way so constructed and arranged as to cause all the heads or rakes to descend to the same gathering level in front of the cutters, and a device for throwing those heads, or the teeth thereof, which do not discharge above the cut grain while passing the platform, and above the level pursued by the heads, or the teeth thereof, of which so discharge the grain, an auxiliary cam way opposite to the platform and controlling the arm of the rake or head which also discharges the grain.
8th, The overhanging extension attachment to the heads or beaters, in combination with the outer divider and rim of the platform.
9th, The combination of the elbow of the rake arm with the roller and the outer and inner tracks or ways, constructed substantially as described and for the purposes set forth.

2,952.—MODE OF PRINTING PHOTOGRAPHIC PICTURES.—Isaac Rehn, Philadelphia, Pa. Dated April 14, 1868.
I claim the combination of the silver, the albumen, and the salt, with a pigmentary substance, to give increased sensitiveness and consistency to the photographic compound, substantially as described.

2,953.—WATCH.—O. F. Stedman, Ravenna, Ohio. Dated Jan. 28, 1868.
I claim the ring or band, C, bevelled or made thin at one edge or side, said band being made narrower than the movement, and wide enough to cover the space between the plates, a and b, substantially as and for the purposes herein set forth.

2,954.—FIRE ENGINE.—The Gould Machine Co. (assignees by mesne assignments of John N. Dennison), Newark, N. J. Dated Feb. 7, 1865.
We claim, 1st, A force pump, which may be adapted to throw a larger or smaller quantity of water at each stroke, by varying the effective area of its piston surface, by means substantially as herein set forth.
2d, A force pump, provided with one or more ports or passages, the opening of which will relieve a part of the piston surface from labor or pressure on the water, so that the whole power of the motor can be applied to the water, and the movable device set forth in the operative part of the piston, substantially as described.
3d, Increasing or diminishing the effective area of the pump or pumps by means of a valve placed in the partition between them, so that the quantity of water discharged at a stroke can be increased or diminished at pleasure, without altering the speed or stroke, substantially as described.

2,955.—BUCKLE.—The West Haven Buckle Co., West Haven, assignees of Sheldon S. Hartshorn, Orange, Conn. Dated November 7, 1854.
We claim, 1st, A buckle, in which the tongues are formed from a single piece of metal, and constructed so as to clasp the divided side, and turn freely thereon, substantially in the manner herein set forth.
2d, The combination of the two parts or loops, one side of one of which is divided and the two parts or loops joined together, as described, and the tongue clasp and hinged upon the divided side substantially as set forth.

DESIGNS.

3,049.—CUPBOARD LATCH.—S. D. Arnold (assignor to P. and F. Corbin), New Britain, Conn.

3,050.—COOK'S STOVE PLATE.—D. S. Colby and Robert Sco-

3,051.—PARLOR STOVE PLATE.—D. S. Colby and Robert Sco-

3,052.—TRADE MARK.—G. P. Farmer, Philadelphia, Pa.

3,053.—SPOON OR FORK HANDLE.—Alonzo Hebbard (assignor to Edward Corning), New York city.

3,054.—TRADE MARK.—G. W. Waitt, Philadelphia, Pa.

3,055.—COOKS' STOVE.—J. J. Anderson, Rochester, Pa.

3,056.—COOKS' STOVE.—T. S. Mitchell, Pittsburgh, Pa.

3,057.—FRAME OF A SCHOOL DESK AND SEAT.—H. M. Sherwood, Chicago, Ill.

3,058.—PLATES OF A COOK'S STOVE.—Garretton Smith and Henry Brown (assignors to Abbott & Noble), Philadelphia, Pa. Antedated May 5, 1868.

3,059.—ILLUMINATING RING FOR GAS STOVES.—Garretton Smith and Henry Brown (assignors to Abbott & Noble), Philadelphia, Pa. Antedated May 5, 1868.

3,060.—WATER-CLOSET RECEIVER.—Wm. Smith, San Francisco, Cal.

Inventions Patented in England by Americans.

(Compiled from the "Journal of the Commissioners of Patents.")

PROVISIONAL PROTECTION FOR SIX MONTHS.

1,257.—SECURING TUBES IN STEAM BOILERS, ETC.—Geo. P. Hunt, New York city. April 17, 1868.

1,266.—MANUFACTURE OF HATS AND BONNETS.—Chauncey O. Crosby, New Haven, Conn. April 18, 1868.

1,270.—MACHINE FOR TURNING OFF CROSS-HEAD WRIST PINS, CRANK PINS, ETC.—Theodore A. Goff, San Francisco, Cal. April 18, 1868.

1,288.—CONSTRUCTION OF RINGS FOR RING SPINNING.—Cyrus B. Morse, Rhinebeck, N. Y. April 20, 1868.

1,307.—APPARATUS FOR STAMPING, DATING, INDICATING, AND CANCELING MARKS OR DESIGNS.—Edward Chamberlain, New York city. April 22, 1868.

1,315.—MACHINERY FOR MANUFACTURING SMALL ARTICLES FROM SHEET METAL.—Lauriston Towne, Providence, R. I. April 22, 1868.

1,316.—CARPET LININGS, AND MACHINERY FOR MANUFACTURING THE SAME.—Geo. W. Chipman, Boston, Mass. April 22, 1868.

1,318.—PADDLER WHEEL FOR VESSELS.—Donald L. McDonell, Detroit, Mich. April 22, 1868.

1,339.—BRIDGE BOX OR HOLDER.—Paul F. Schneider, Hartford, Conn. April 23, 1868.



PATENTS.

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On granting the Extension.....\$50
On filing a Disclaimer.....\$10
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