eccentricguide, C, and projecting plate, D, substantially as and for the purpose described.

2d, in combination with the device above claimed, the reversible gage, consisting of the piece, G, and pins, I, arranged as described.

77,384.—Flood Gate.—H. A. Kephart, Fletcher, Ohio.

I claim the binged posts, A A, in combination with the sliding gate, B c, and the valve, C, in the manner and for the purpose set forth.

77,385.—IMPLEMENT FOR EXTRACTING HEDGE PLANTS AND

WEEDS.—James L. Knick, L°xington, Ill.

Icam, ist, Au instrument which is adapted for the extraction of plants and weeds, consisting of handle portions, a a, and jaws, b b, united together by a spring strap, g, and provided with a slotted strap, d, and spring, e, substantially as described. stantially as described.

2d. In such an instrument, the elastic lining, g'g', applied to the laws, b b, substantially as described.

77,386.—CLOTHES WRINGER.—A. F. Lapham, New York,

and Frank E. Pratt, Mott Haven, N. Y., assignors to Malcom C. Turner. We claim a clothes wring er, composed of the compressing bars, A. B., link C, with list humb nut, a springs, B. E. and rollers, D. D. all constructed, arranged, and operating in the manner and for the purposes herein specified. 77,387.—VALVE FOR GAS ENGINE.—William H. Laubach, Philadelphia. Pa.

I claim the devices herein described consisting of the sinding sleeve, m.

I claim the devices herein described, consisting of the sliding sleeve, m, provioed with the cams, k, constructed as described, the levyr, n, shaft, l, valve, d', and stem, d''', with its tooth, k', for regulating the flow of acombined corrent of gas and air, alternately with air alone, into the cylinder of a gasengine, in such a manner that the former current shall continue to flow until the closing of the induction port and the moment of the ignition of said gas, substantially as described. 77,388.—MANUFACTURE OF GLUE.—John A. Lighthall and

77,388.—MANUFACTURE OF GLUE.—John A. Lighthall and Reu en Lighthall, Brooklyn, N.Y.
We claim, 1st, The combination of the series of plates with the elt and driving pulleys, as and for the corpose set forth.

2d, In combination with the series of plates, attached to the belt, as before named, the arrangement for blowing a blast of cold air on the said plates atter they have been dipped into thereservoir, for purpose of preventing the drip from the same, so that the glue attached to the plates shall be preserved of an equal and uniform thickness.

3d, In combination with the series of places, attached to the helt, as before named, the arrangement forblowing a blast of hot air on the said plates on the descending side of the apparatus, for the double purpose of removing from the glue attached to said plates any moisture that may remain in it, and for removing the finished glue from the plates, as set forth.

77,389.—VENTILATING SHOW CASE.—William Henry Lockwood, Brooklyn, N.Y.

I claim, 1st, The combination, in a show case, of the ventilating sides or walls, A.A., with the vertical partitions, C.C., parallel to atransparent front, E. substantially as and for the purpose specified.

2d, A false bottom, B, and a sliding pair, F, in combination with a show case with ventilating sides or walls, A.A. and vertical partitions, C.C., substantially as herein described and specified.

with ventilating sides or walls, A A, and vertical partitions, C C, substantially as herein described and specificat.

77.390.—VISE.—Austin 1). Mason (assignor to himself and Richard B, Robbins), Adrian, Mich.

I claim, 1st, The adjustable ring, C, constructed with oblique faces, x y, and a handle, h, forturning it on its axis, to adapt it to impart any desired to set to the face plate, D', in the manner and for the purposes set forth, 2d, in combination with the adjustable ring, C, the washer plate, I, and the face plate, D', with its spherical bige, D, all constructed in the manner set forth and described.

77.391.—Mor Wringer.—John M. May, Janesville, and Winslow M. Colton, Stoughton, Wis.

We claim the combination of the base, B, and lever, E, with rollers, C D, and thumb screws, F, substantially as and for the purpose specified.

and thumb screws. F. substantially as and

and thumb screws, F, substantially as and for the purpose specified.

77, 392.—Sighal Box.—William McKee, Neponset, Ill.
I elain, 1st. The combination of a box, M, tubes, C. D, provided with ways,
H, blocks, E. F, with libe, e.f. cords and pulleys, I.I, arranged and operating
as and for the purpose weet fortu.

22. The combination of the box, M, tube, C, block, E, cord and pulley, I, and
the ventilator or draught inducer for the lantern, arranged as described, and
for the purposes specified.

5d, Providing the tube, C, with a glass, or its equivalent, O, when used in
combination with the block, E, and lantern, in the manner and for the purposes set forth and shown.

4th, The combination of the box, M, tubes, CD, guides, H, blocks, E. F,
with their lips, e.f. cords and pulleys, I.I. ventilator, L, and glass, O, all arranged and operating in the manner and for the purposes specified and set
forta.

form. 77,393.—Shield for Nipple.—Thomas McLaughlin, Mill-

ville, N. J. hield or covering, A, with the small holes, B, in combination with the cap, C, countructed and arranged as and for the purpose set forth. 77,394.—Count Harvester.—George Meader, Prairie Center,

fill. Antedated April 19, 1888. I claim, 1st, 1 be combination of gatherers, J, cutters, n, and bickers, I, arranged and operating substantially as and for the purposes set forth.

20, The comoination of said gathering arms, J, with a rock shart, L, or its equivalent, for rendering said gathers adjustable, substantially as described and set forth, and for the purpose of adapting the machine to corn of different burbles. ent hights.
3d, Providing said gatherers with the partitions, m, substantially as and for

the purposes set forth.

4th, Providing said gathering fingers, J, with the depressions, c, in the manner specified.

4th, Previous site gameing and the specified.
5th, The arrangement of the cutters, n, immediately behind the shoulders, c, as and for the purposes set forth.
6th, In combination with said gatherers, J, and pickers, I, the adjustable husking plates or wheels, M, arranged and operating substantially in the manner and for the purposes set forth.

77,395.—Forward Gear for Carriages. — John J. D.

Meincke, Miwaukee, Wis. claim draught frons, U.C., and bottom and top pieces, D and E. in combin-m with king bolt, F, substantially as described. ation with king bolt, F, substantially as described, 77,396.—APPARATUS FOR TEMPERING SAW PLATES AND SIM-

77,396.—APPARATUS FOR TEMPERING SAW PLATES AND SIMHAR ARTICLES OF STEEL.—Geo. Mercer and John Hinton, St. Louis, Mo.
We claim, 1st, the carriege, B B1, when constructed of periorated plates,
and the trussing ribs, 02 b3, substantially as shown and described.
20, The combination and arrangement of the call, B1, roce or chain, D,
caterial and the state of the call b1, roce or chain, D,
caterial and b1, 1, when combined expending and straightening the plates, E
3 the han, 1, when combined excentrically with the carriage, b2 type and
carriage, B1, and operated by the chain or rope, F, roller, F',
and crank, f, for the purpose of exposing the whole surface of the plate to the
action of the tempering fluid.
4th, The springs, H, when arranged in combination with the bath tub, A,
as herein described and set torth.
5th, The set screw, G, when employed in connection with thetub, A, and
carriage, B B1, as described and set forth.
77,397.—WINDOW HOLDER FOR CARRIAGES.—J. H. Moore
and William Johnson (assignors to Henry Hale & Co.), New Haven, Conn.

and William Johnson (assignors to Henry Hale & Co.), New Haven, Conn. We claim the arrangement of the two parts, D and D, hinsed to and combined with the holder, A, the whole constructed in the manner substantially

as herein described.

77,398.—Car Coupling.—Thomas M. Moore, Newton, N. J. I claim the arrangement of the notched plate, d, on the rear of the head, m in combination with the sliding box, j, will its projections, c c, and interior pivoted plate, f, and spring, k, all constructed and operating substantially as

PACKING FOR CARRIAGE SHACKLE.—F. B. Morse

77,399. PACKING FOR CARRIAGE SHACKLE.—F. B. Morse, New Haven, Conn.
I claim the backing herein described, as an article of manufacture, and consisting of block, E, with the projections, F, and hip, f, as set forth.
77,400.—FRUIT GATHERER.—H. Walker Neal, Sidney, Ohio.
I claim, 1st, The slide, D, attached to the basket of the fruit gatherer, and working up and down upon the guide, E.
2d, The combination of the cord, h, and multiplying pully, G, for the purpose of rapidly elevating the basket.
3d, The combination of the cords, f and h, basket, C, and hook, B, arranged and operating as described, for the purpose set forth.
77,401.—QUARTZ STAMP MILL.—P. M. Papin, St. Louis, Mo.
I claim, 1st, The stamp, B, its serrated shoe, B2, and the spring pawl, d, when arranged and operating as described and set forth,
2d, The tamping boxes, E E, when constructed with the floor of one higher than th stof the other, and arranged as herein described and shown.
3d, The riction brake, H, when applied to the rod, B of B1, as and for the purpose set forth.
77,402.—APPARATCS FOR DISCHARGING BILGE WATER.—

36. The Protion brake, H, when applies to the rod, B of Bi, as and for the purpose set forth.

77.402.—APPARATCS FOR DISCHARGING BILGE WATER.—
Phinese Pardee, New Haven, Conn.
I claim the combination of the flexible tabe, B, and its open month, C, together constituting a portable apparatus, and constructed and arranged so that the said tabe will lead from the bold of the vessel out through any convenient opening, or over any convenient point above the water line to the said open mouth, so asto suspend the said mouth from the vessel, and so that the vessel passing through the water, or the water passing through the vessel, will create a draught through the said mouth and tube, and by such draught cause the water in the hold to pass through the said tube and out at the said mouth, all asheries set for thand accorded.

77.403.—REGISTER.—H. H. Phinney, Cambridgeport, Mass. I claim the sectional frame, b, made in parts connected together and to the register plate, a. substantially as described.

Also, in combination with the slide, r, the spring, w, inserted beneath and hearing against the niate, a, and a; annst an extension, v, from the slide, substantially as ect forth.

77.404.—READY SOLDER.—D. H. Priest, Watertown, Mass.

stantially as set forth.

77,404.—READY SOLDER.—D. H. Priest, Watertown, Mass.
1 claim the above described composition for soldering metals, prepared and compounded substantially as described, and in about the proportions specified.

Putting up the above claimed composition in bettles having solder wire cound around them, convenient for use and transportation, substantially as

CANAL LOCK GATE STEP.—Homer Rextord, Sandy

Hill, N. Y.

I claim the construction and arrangement of the step, B. with its pivot, A, and feather, F, when combined with the metallic box, C, constructed with its annular slot, D, in the manner and for the purposes herein described.

77,406.—Lifting Jack.—Ezra S, Robertson and Austin B.

Collins, Mount Liberty, Ohio.

We claim the combination and arrangement of the lifting bolt, B, having a rrowe, d, and pulley, c, with the standard, A, lever, F, curved wedge, C, and humb screw, B, the whole when constructed and operating in the manner and forther purpose as herein shown and described.

and forthe purpose as neven shown and described.

77,407.—MOWING MACHINE.—H. J. Ruggles, Poultney, Vt. I claim the combination and arrangement of the swinging frame, E, adjusting fings, tt, or their equivalents, on the sides of the frame, the draught chains, s, s, and the sliding draft hook, L, substantially as and for the purposes berein specified,

Also, the suspending hook, T, arranged and operating substantially as here-

in specified.

77,408.—REFLECTOR.—William G. Schmidlin and Jeremiah W. Driscoll, New York, N. Y.

We claim the concave dome reflectors, introduced in the sections or sides of the concal polygonal reflector, as and for the purposes set torth.

77,409.—WROUGHT IRON ROOF TRUSS.—George H. Sellers,

1.305.— WROUGHT IRON ROOF TRUSS.—George H. Sellers, Phonixville, Pa.
I claim, ist, A builb beam, A. or rafter, having a bulb, b, below, instead of a flange, for the purpose of uniting the struts and the rods thereto, without deflecting them from a straight line, substantially as described.
24, Securing the purlines to the rafter, by means of notches in each at the points where they meet, and thus make a firm and supple union between them without the use of bolts, or rivets, or other fastenings, and allowing room for expansion or contraction without separating, substantially as described.

3d, A skew back, made of angle brackets, d, bolted or riveted on each eide of the web of the beam, as and for the purpose herein described and repre-

77,410.—Corn Sheller.—John H. Sharp, Wortsville, N. J.

I claim the employment of a series of yielding bars, C C, suspended over the inclined roller, B, by means of springs, d d, and rod, e, when all are arranged as and for the purpose described.

77.411.—Lock Nut for Axle and Skein Boxes.—Joseph R. Smith, Bethel, Conn., assignor to himself and W. S. Shaw, Buffalo, N. Y. I claim, ist, The internal lip on the nut and the external lip on the axle or skein hox to secure the nut on the axle or box, as set orth.

2d, The combination or the key, F, with the spring catch and the intervening lips of the nut and axle.

ing lips of the nut and axie.

77,412.—HAND TRUCK AND SACK HOLDER.—Gideon Smoker and Jonas Smoker, Smithyllle, Ohio,
we claim the combination of the hand truck, A, with sliding platform, D, arranged to slide in grooves in the sides of the truck frame, said platform being provided with springs, C C, and rods, F, upon which are spiral springs, e e, all arranged as and for the purpose, set forth.

springs, e., all arranged as and for the purpose set forth.

77,413.—WASHING MACHINE.—Otis W. Stanford and Selder

S, Scoville, Lebanon, Ohio.
We claim, 1st, A washing muchine, consisting of the yielding bed or frame, I rollers, G, batters, J J, steurs, J j, rock shaft, K k k', and link, L, the hole being combined and operating substantially as herein described and

gl.rollers, G, batters, J.J., steins, J.J., rock shart, K k k', and link, L, the whole being combined and operating substantially as herein described and set forth,

2d, The devices, J.J. J. J. K kk' and L, when attached to the sliding lid, N, and dapted to be operated in either of the chambers, C D or E, as explained.

3d, The devices, P.Q. V., for enabling the shitting of the lid, N, and forse curing it at any desired position, for the purpose described,

4th, In combination with the sliding lid, N, and its described accessories,

J.J. J. J. K. kk' and L, the chambers, C D E and F, for the object explained.

5th, In a washing machine constructed substantially as above set for th, the shiftable wringer rest, T U u, as described and set forth.

77,414.—STEAM GENERATOR.—J. Sutliff, East Boston, Mass.

I claim the hollow steam bridge wall, C, the sides braced by the hollow bolts, g, and connected to the boller pipes, f and d, constructed and arranged substantially as and for the purpose set forth.

77,415.—TABLE FAN AND CASTER STAND.—Noah H. Tilman and David G. Good, Arcanum, Ohio.

We claim the arrangement of the frame, E, outside of the box, D, and the stationary caster stand, B, said frame being perforated as described, whereby the fans, F.F. may be adjusted to operate as herein specified.

77,416.—COMB CLEANER.—Edwin J. Toof, Fort Madison, lowa. Antedated April 17, 1868.

I claim the arrangement of converging elastic strips, a, with a head, A, whether said head to provided with a brush, B, or not, as and for the purposes specified.

77,417.—Washing Machine.—N. Trowbridge, Tully, N. Y.

whether said head be provided with a brush, B, or not, as and for the purposes specified.

77,417.—WASHING MACHINE.—N. Trowbridge, Tully, N. Y. I claim, 1st, The combination of the barrel, A, and reciprocating pounder, B, constructed with wedge formed projections. Bl, and an inclined projection, Bd, substantially as and for the purpose set forth.

2d. The combination of the barrel, A, the pounder, B, the shank, C, rod, D, and crank, R, pringlag, E2, nivion, F, spur wheel, G, and lever, H, all arranged to one rate smooth nit; as set forth.

77,418—ROOFING CEMENT.—Newton Trowbridge and Edward Richardson, Tully, N. Y.

We claim the composition, compounded from the ingredients, and in the manner substantially as and for the purpose set forth.

77,419.—GRAIN SEPARATOR—J. S. Upton, Battle Creek, Mich. Iclaim, 1st, The screens, D D'D''. combined with the cylinder, B, and operating in the manner set forth, for separading the grain from the straw, substantially as specified.

2d. The vibrating sport, C, in combination with a threshing cylinder, and the series of screens, D D'D'', when used substantially as and for the purpose set forth.

-ARTIFICIAL SLATE SURFACE.-Oscar A. Wagner, Dayenport, Iowa.
I claim a composition of matter for forming an imitation of the surface of slate, compounded from the ingredients named, substantially in the manner

set forth.
77.421.—Boot and Shoe Stud.—H. S. Walcott, Boston, 77,421.—BOOT AND SHOE STUD.—H. S. Walcott, Boston, Mass., assignor to Boston Shoe Stud and Button Company.

I claim a shoe stud formed of a solid piece of metal and having a head and ashoulder or flange, with a groove between them of sufficient size to permit the lacing to move freely therein, and having a tubular stem, by which it can be secured to the shoe, as herein shown an 1 described.

77,422.—PEN HOLDER.—Albin Warth, Stapleton, N. Y. An-

1,426.—If EN HOLDER.—In the read of the same and which is made triangular fit the space—etween the finger part of which is made triangular fit the space—etween the fingers grasping the same, and which is provided that triangular end that is twisted in regard to the finger part, and made fit the V-shaped or triangular socket of a pen or brush, substantially as deather.

to fit the V-shaped or triangular socket of a pen or brush, substantially as and forthe purpose described.

77,423.—TRUNK.—Rebecca Weaver, Washington, D. C. I claim, is:, A rolling trunk constructed as herein described, as and for the purposes specified.

2d. The construction of the tills, B B, having rims, d d, with hinged or other props, ff, so that they may be set up or collapsed at pleasure.

3d. The jack-up cleats, C, in combination with the tills, B, and the cylindrical or rolling trunk, A, substantially as and for the purposes herein set forth. 4th, The manner of constructing the cover or lid, D, and cap. F, for protecting the lock and securing the trunk water tight, substantially as herein set forth.

set forth.
5th, The manner of constructing the cover or iid, K K, with the hinged bolts and overlapping cap, substantially as and for the purposes herein set

forth.

6th, Placing drawers, H, within the cylinder, A, to be drawn out at the
end, thus giving double security to the contents when closed, as herein desorthed experience.

scribed,
77,424.—TAG FASTENING.—Wm. N. Weeden, Boston, Mass.
I claim the improved anchor as made with the hook, e, the encompassing flanges, d d, and the angularly formed barb, f.
77,425.—LAST HOLDER OR JACK.—George M. Wells (assignor to Moses D. Wells), Chicago, Ill.
I claim the rotary block of ball, A, as constructed, with a shank recess socket, and combined with a carrier, B, formed to receive such ball, as set forth.

77,426.—CLEVIS.—Ralph C. Whitehouse, Boothbay, Me. I claim the combination of the clevis box, a, having its pivoted clevis, b, old back, e, either with or without the helix, f, and to be attached as and or the purposes set forth.

77,427.—Instrument for Drawing Nails.—Edward P. Whitner, Stamford, Conn.
I claim, 1st. The combination of the claw head, A, and shoe, B, constructed and operated substantially as and for the purpose herein specified.
2d, A spring, C. in combination with the claw head, A, and shoe, B, substantially as and for the purpose speciaed.
77.428.—BELLOWS FOR REED MUSICAL INSTRUMENTS.—A.W.

Wilcox, New Haven, Conn.
I claim, 1st, The arrangement of the valve chamber, within the reservoir, B, by the construction of the wall, E, therein, with the openings, e, and valves, d, thereon, substantially in the manner and for the purpove specified.
2d, The construction of a recess in the floor, G, of the exhaust, ben eath the openings, f, substantially in the manner and for the purpose described.
77,429.—Mucillage Brush.—G. D. Wilcox, Providence, R. I. Iclaim the improved instrument for spreading mucilage or adhesive compositions, substantially as herein described.

positions, substantially as herein described.

77,480.—MACHINE FOR ATTACHING LABELS TO NEWSPAPERS, ETG.—JOIN F. Zacharias, Lessburg, Va. Antedated April 11, 1368.

1 claim, 1st. The combination of the sliding gate, L., and the scissors, M. M. of an automatic labeling machine, within eccentric, J. the transmitting devices, P and T. giving proper periods of rest to the carrying bands, C' C', all arranged indicaveluad substantially as ast forth.

2d. The slothed connecting roid P having a compound reciprocating and oscillating notion upon the fricum pin. P', for the purpose of transmitting a rotary motion from one crank to another, in combination with the other devices of the machine, substantially as set forth.

3d. The combination with the said devices, or their equivalents, for transmitting rotary motion, of the auxiliary slot, V, in the counsering rod, T, for permitring a rest for the carrying bands, C' C', at every revolution of the roller, B, asaud for the purpose set footh.

17.431.—Churn.—Charles H. Elliott. York, Pa.

I claim, 1st, Communicating a vertical reciprocating motion to the dash rod, N, at the same time giving to this rod right and left rotary motions, by means of a vertically moving sass, C, a spirally grooved portion, f, and fixed but adjustable teeth, e.e. arranged and applied withm a frame, and driven from a shaft, E, substantially as described.

2i., The movable head piece, D, arranged over the churn vessel, and provided with adjustable toothed plates, J J, in combination with sash, C, and a spirally grooved portion, f, on the dash rod, substantially as described.

3d, the churn vessel, K', seated into a fixed basering, L, in combination with the movable head piece, D, and the means substantially as described for operating the dash rod.

4th, The perforated dasher, P, and dashrod, N, provided with perforated or imperforated radial wings, g or b, constructed and applied substantially as described.

5th, The rotary wings, i applied to rode, in the standard or the

5th, The rotary wings, j, applied to rods, i, projecting radially from the dash rod, substantially as described.

77,432.—Construction of Safes.—Obadiah Marland, Boston Mass. ton, Mass.
I claim a safe or bank yault, the boundaries of which are made up of or are protected by entire compound plates, each of which is constituted of plate layers of iron and steel welded together, the steellayer or layers of each laminated platcheing hardened, substantially as shown and described.

Also, the formation of the joints at the corners of the safe and at the edges of the door, so that the bottom of each section or joint is covered by steel, substantially as shown and described.

Also, the boils, k, made of a structure tubes of iron and steel, drawn and welded together, substantially as set forth.

Also, inserting the boils, m, into holes prepared, substantially as described, for their reception, and then changing the form of the boilts by pressure or percussion, so that this preby and with the conjointed action of a spreader, p, the boilts, m, will hold in their sockets, substantially as described.

REISSUES.

2,922.—PATTERN FOR CUTTING BOOTS.—Elias Shopbell, Ashland, Ohio. Dated Jan. 27,183.

I claim, 1st, The plate, A, in combination with the pairs of plates, B B', C C and D D', or their equivalents, with their respective slots and angles, producing the simultaneous movement of the several pairs of plates, and the consequent unequal enlargement and contraction of the pattern for boot fronts, substantially as herein set forth.

2d, Stationary and adjustable plates, so constructed and arranged in relation to each other and the slots as to produce a simultaneous contraction and expansion of said plates, according to any required size of boot fronts and backs, substantially as set forth.

PENDING APPLICATIONS FOR REISSUES.

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

63,378.—Broadcast Sowers.—F. G. and E. A. Floyd, Ma-

63,378.—BROADCAST SOWERS.—F. G. and E. A. Floyd, Macomb, III. Dated April 2, 1867. Application for reissue received and
flowed April 1, 1868.

I claim, 187. The frame, A, constructed as described, shaft, B, dise, C, when
arranged in relation to each other as and for the purpose set forth.

2d, The disk, C, with projection, c, in combination with shaft, B, the former
being attracted to the lacter in the manner described.

3d, The shaft, B, with gear wheel, b, shaft, D, with gear wheel, d, and
standard, E, the whole heing combined and operated as set forth.

4th, The slide, F, constructed as described, in combination with pin, f, and
holes, f, as and for the purpose set forth.

3th, The revolving disk, C, provided with radia flanges, C', having their
outer ends projecting beyond, the periphery of the cisk and curved in the
manner shown, substantially as set forth.

6th, The combination of the frame, A, hopper, G, slide, F, and revolving
disk, C, constructed as above set forth, all arranged for joint operation as
heren described.

7th, The frame, A, shaft, B, with wheel, b, shaft, D, with wheel, d, disk, C,
slide, F, hopper, G, and bag, H, the whole being combined and operated in
the manner set jorth.

49,203.—Machine for Refitting Stop Valves.—Charles S. and Charles F. Hall, Brooklyn, N. Y. Dated Aug. 1, 1865. Application for reissue receive: and filed April 11, 1863.

We cleim, 1st, The concave mill, B, either provided with or not, an internal yielding center, c. and arranged in suitable bearings, a. in combination with the adjustable center, C, constructed and operating substantially as and for the purpose set forth.

2d, The Paide, E, and conical mill, D, applied in combination with each other substantially as and for the purpose described.

3d, A portable apparatus for refitting the valves and valve seats of stop valves and water cocks, substantially as and for the purpose described.

74,582.—DEVICE TO PREVENT HOGS FROM ROOTING.—Geo. O. and Win. L. Nixon. Sandyville, Ohio. Dated Feb. 18, 1868. Application for reissue received and fled April 11, 1868. We claim the within described device consisting of the plate, A, arms, C C, with holes, D D, and wire, B, he several parts being arranged and used substantially in the manner and for the purpose herein specified.

64,231.—SKIRT HOOPS.—E. Wooster & Co. and F. Hull & Co.
(assigness of John R. Lattin), Birmingham, Comp. Dated April 30, 1867.
Application for reissue received and filed April 3, 1868.
We claim as the invention of John R. Lattin, 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.

68,239.—Steam Drying Apparatus.—William Ryner, Philadelphia, Pa., and John C. Hopewell, Flemington, N.J., assignees of Wm. Ryner, Philadelphia, Pa. Dated Aug. 27, 1867. Application for reissue received and filed April 14, 1838.

We claim as the invention of Wm. Ryner, a drying kiln in which are an upper and lower scries of pipes for the passage of superheated steam to that for the introduction of the same into the kiln, so that the material to be Irled (situated between the two sets of pipes) may be subjected to the combined action of the heat from the said pipes and that of the superheated steam, as settlorth.

To Note.—The above claims for Reissue are now pending before the Patent Office, and will not be officially passed upon until the expiration of 30 days from the date of fling the application. All persons who desire to oppose the grant of any of these claims should make immediate appli-MUNN & CO., Solicitors of Patents, 31 Park Row, N.Y.

EXTENSION NOTICES.

Polly Hunt, of Jersey City, N. J., administratrix, and George W. Hunt, of Newburgh, N. Y., administrator of the estate of Walter Hunt, deceased, having petitioned for the extension of a patent granted to the said Walter Hunt the 25th day of July, 1854, and reissued in four divisions of the dates and numbers respectively as follows: Nov. 29, 1864, numbered 1.828; Feb. 7, 1865, numbered 1,867; April 4, 1865, numbered 1.926; April 4, 1865, numbered 1,927; said last number (1,,927) being again reissued in two divisions the 10th day of July, 1866, and numbered respectively 2,306 and 2,307. for an improvement in shirt collars, for seven years from the expiration of said patent, which takes place on the 25th day of July, 1868, it is ordered that the said petition be heard at the Patent Office on Monday, the 6th day of July next.

Horace Woodman, of Biddeford, Me., having petitioned for the extension of a patent granted to him the 1st day of August, 1854, and reissued the 8th day of December, 1857, for an improvement in cleaning top cards of carding machines, for seven years from the expiration of said patent, which takes place on the 1st day of August, 1868, it is ordered that the said petition be heard at the Patent Office on Monday, the 13th day of July next.

Hymen L. Lipman, of Philadelphia, Pa., having petitioned for the extension of a patent granted to him the 25th day of July, 1854, for an improvement in eyelet machines, for seven years from the expi ation of said patent, which takes place on the 25th day of July, 1868, it is ordered that the said petition be heard at the Patent Office on Monday, the 6th day of July next.

Charles A. Wakefield, of Pittsfield, Mass, having petitioned for the extension of a patent granted to him the 25th day of July, 1854, for an improvement in seed planters, for seven years from the expiration of said patent which takes place on the 25th day of July, 1868, it is ordered that the said petition be heard at the Patent Office on Monday the 6th day of July next.

Griffith Lichtenthaler, of Limestoneville, Pa., having petitioned for the extension of a patent granted to him the 25th day of July, 1854, for an improve ment in cultivators, for seven years from the expiration of said patent, which takes place on the 25th day of July, 1868, it is ordered that the said petition be heard at the Patent Office on Monday, the 6th day of July next.

Edward W. Brown, formerly of Fall River, Mass., having petitioned for the extension of a patent granted to him the 25th day of July, 1854, and reissued the 14th day of March, 1865, for an improvement in looms, for seven years from the expiration of saidpatent, which takes place on the 25th day of July, 1868, it is ordered that the said petition be heard at the Patent Office on Monday, the 6th day of July next.

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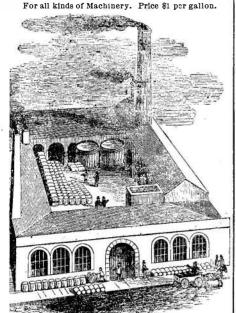
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