activated by means of the thumb screw, F, all constructed and operating sub-stantially as described for the purpose spreided, 78,172.—CULTIVATOR.—Ed win Doublittle, Pawnee, Ill.

62

I claim, its, The binged sides, M friction wheels, N, and bent bar, E. with each other, and the plow beams, I, and with the beams or bars, D, substan-tially as herein shown and described, and for the purpose set forth. 2d, In combination with the above, the knees or bars, O, cross bar, P, and lever, R, all arranged and operating in the manner and for the purpose set

forth, 3d, The combination of the adjustable connecting and brace bars, W, up-rights, V, and plow-beams, i. when arranged to operate in the manner here-in described and represented.

in described and represented. 73,173.—CULTIVATOR.—John W. Doud, Forestville, Iowa. 1 claim, 1st. The combination of the frame, C, strengthening braces, D, and diagonal; plow beam, E, to which the standards, F, of the plows. G, are at-tached with each other, the said parts being constructed and arranged sub-stantially as herein shown and described, and for the purpose set forli. 2d, Connecting the axic, B, to the tongue, I, of the frame, C, by the inclined bars, J, and jointeg or link connection, K, substantially as herein shown and described.

bars, j, and pointed of mine operations are an analysis of the combination of the cross bar, M, and adjustable chains, L, with the inclined bars, J, and frame, C, substantially as herein shown and described, and for the purpose set forth. 4th, The combination of the lever, N, chain, P, and bail or bar, R, with the frame, C, and axle, B, substantially as herein shown and described, and for the purpose set forth

the purpose set forth. of the levers, S and T, with the frame, C, axle a, B, and the first set in the set of the set of the levers and the set of the set of the set of the levers and the set of the set of the set of the levers and the set of the levers and the set of the levers and the set of the set o inclin set for

pose set forth. 73,174.—Door HINGE.—Charles Dupre, Louisville, Kv. I claim the binge plates, a and b, furnished with the arms or ears, b. E' and e, in combination with the pin, C, screw, D, and socket, F, or their respective equivalents, in manner as and for the ourposes described. 73,175.—TIRE SHRINKING MACHINE.—James Elliott, Milford,

WIS. I claim, 1st, The combination of the connecting rod or chain, G, for open ing the carriages, with the carriage, E, and ca.n levers, F, substantially as

ing the carriages, with the carriage, E, and can reverse, F, saconand, J, described. 2d, The slot, b, in the bed piece, B, and the groove, a, in the platorm, A, making together a T-shaped groove, in combination with a T-shaped lug upon the carriages, all as substantially specified and described. 73,176.—BUCKLE.—Louis Elsberg, New York city. I claim the buckle constructed as described, consisting of the buckling loop, A, having the flattened center, C, and beni edge, D, its extremities, B, hent at right angles to the center, forming bearings for the loop, B, the latter having the seriated tongue, I, fitting between the arms, B, upon the flat sur-face of the loop, A, beneath the edge, D, as here in described to the purpose specified. face of the loop, A, beneath the edge, D, as herein described for the paperitied. 73,177.--HAY KNIFE.--Charles A. Fisher, Geneseo, Ill.

I claim, as a new article of manufacture, the hay knife, when formed from a piece of metul. 3s shown and described, and provided with the handles, F 6, as here in set forth. 73,178.—SEWING MACHINE.—David Forrest, Eastport, Me.

73,178.—SEWING MACHINE.—David Forrest, Eastport, Me. I claim the bent hand lever, D, in combination with the slide rods, ek, mounted on the base, b, and connected with the needle, a, and the looper, d, as set forth. the whole constructed and operating as herein described.
73,179.—HORSE HAY FORK.—C. E. Gladding, Troy, Pa. I claim, 1st, In combination with a power hay fork, the connection, d, or its equivalent, formed of the parts, E F and G, or their equivalents, substantial y as and for the purposes herein shown and described.
24, In combination with the connection, D, or its equivalent, the bail, C, substantially as described.
73,180.—STRAW CUTTER.—J. F. Hammond, North Sudbury, Mass.

73,180.—STRAW CUTTER.—o. F. Hammona, Horer Sanada, J. Mass.
Iclaim, Ist, The combination and arrangement of the bevelled knives, L M N, with each other and with the sluding frame, D, and feed box, C, substantially as herein shown and described, and for the purpose set forth.
24, the combinations of the slotted lever arms, RT, sliding frames, O, and sliding frame, B, and knife frame, D, substantially as herein shown and described, and for the purpose set forth.
73,181.—CULTIVATOR.—C. A. Harper, Wheeling. Ind. I claim, ist, The combination of the wheel, D', with the cultivator trame, A, substantially as herein shown and described, and for the purpose set forth.

A. substantiatly as herein shown and described, and for the purpose set forth. 24. The combination of the spirsl or screw plate, H, with the wheel, D', and with the cultivator frame, A B, substantially as shown and described, and for the purpose set forth. 73, 182. — BURGLAR ALARM LOCK.—Samuel T. Heminway, Saratoga Springs, N. Y. I claim the combination and arrangement of the pivoted lever, B, having its outer arm projecting through the aperture, T, on the top of the lock, the notched arm. A, secured to the verge, the spring, C, and arm, R, substantial-ly as described, for the purpose specified. 73, 183.—CAR AXLF: BOX.— Geo. H. Henfield, San Francisco, Cal.

Cal. I claim the combination of the grooved caps, e e, the linings, a a, provided with phils, c c, and the shells, A A, arranged as and for the purpose herein described. 73,184—Straw Cutter and Corn Sheller Combined.

Clark R. Hewett, Waupun, Wis. I claim, 1st, The combunation of the shafts, J N, bevel gear wheels, L M inter knives, P, and sheller teeth, S, with the balance wheel, O, of a com bred folder cutter and corn sheller, substantially as described, and for the

Cutter Knives, r. said such as the second statistical statistical statistics and consistent and constant statistical statistical statistics and constant statistical statistics and constant statistical statistics and statistical statistical statistics and statistics and statistical statistics and statistical statistics and statistical statistics and sta

and operated subsciences, a set form, and the removable crimping blocks C D, or their equiv. 3d, the combination of the removable crimping blocks C D, or their equiv. alent, with the 'rame or press, A B, substantially as herein shown and de

alent, with the 'rame or press, A B, substantially as herein shown and de scrihed and for the purpose set forth. 73,187.—FRUIT JAR.—J. M. W. Kitchen, New York city. I claim the vent plug when attached to an elastic band, or its equivalent and arranged for operation substantially as described, for the purpose set forth. 73,188 — Spring Brid Bottom.—Gottlieb Koenig, Plymouth,

73,185 —SPRING BED BOTTOM.—Grottneo Roemg, 11ymouth, Mich.
1 claim the bars. C. the springs, D. and the regulating rods, E. constructed, combined, and operating with the platform, B. and the base frame, F. In combinedin with a bedsread, substantially as described.
73,189.—SNOW PLOW.—Charles Lusted, New York city.
1 claim, 1st, The hinged oscillating plowsbare, D, when made and operat-ing substantially as and for the purpose herein shown and described.
26, A snow plow provided with an oscillating plane, D, which is hinged to the upper edge of a stationary share, C, and which has finges is, at the ends, substantially as herein shown and described.
3d, The hinged state, D, of a snow plow, connected by means of a jointed rod or rods, g, with a crank or cranks, a, on the axle of the plow truck, as described, the crank or cranks being loose on the axle, and connected with clutches, spithat the share can be made to oscillate or not, as set forth.
73, 190.—HAY ELEVATOR.—HARVEY MCCOWN and Luther M. McCown, Enon Valley, Pa.

73, 199.—HAY ELEVATOR.—Harvey McCown and Luther M. McCown Enon Valley, Pa.
 We claim, 1st, The carriage, E, constructed as described, when its bottom consists of the bar, E, hung at one end, e, of the carriage, its free end ex-tending beyond the opposite side of the carriage, and notched at *i*, to fit over the catch, h, upon the pendent, i, said bottom, E, being held in position by means of the coiled spring, F, and released by the pressure of the hook, d, as herein described, for the purpose specified.
 23, The combination of the binged and notched bottom, E, soiled spring, F, hook, d, pandant, i, catch, h, rollers, C C, and side bars, a a, all constructed and arranged as described, for the purpose specified.
 73, 191.—ENDLESS CHAIN POWER.—William McCreery, Pitts-burg Pa.

burg, Pa. I claim the arrangement of the shifting clutches, e e, the bevels, as and b, the pulleys, c c1 c2 c3 c4, and the endless chain, d d, when applied as and for the pulposes here in described. 73, 192.--CUMBINED HORSE RAKE AND HAY SPREADER,— Bradwick F. Nearing, Brockfield, Conn.

shown and des' ribed, in combination with the ropes or chains, D and D', and the clevis iron. C, or other equivalent device for the purpose of working three horses abreast in plowing or other equivalent operation, all as set forth.

73,198.—ICE SLEIGH.—John Rancevau, Carthage, N. Y. Iclaim, Ist, The wheel, having its bearings in the hinged frame, in com-bination with the elasticstrip, I, whereby the wheel is held upon the ice and beautiful to conform to its irregularities, as herein set forth, for the purpose

bination with the elasticatrip. 1, whereaver we were a way a set of the permitted to conform to its irregularities, as herein set forth, for the purpose specified. 2d, The construction and arrangement of the pivoted brakes, K I, connecting rods, O, foot levers, E and N, and springs, P, substantially as described, for the purpose specified. 3d, The combination and arrangement of the spur wheel, D, hung in the hinged trame, grear wheels, E F G, elastic strip, I, brace, J, springs, P, foot levers, M N, connecting rods, O, pivoted brakes, K L, block, U, and thumb nut, V, substantially as described, for the purpose specified. 73,199.—PLATE-LIFTER.—D. E. Roe, Elmira, N. Y.

73,199.—PLATE-LIFTER.—D. E. Roe, Ellmira, N. Y. Iclaim, 1st, The combination of the spring, C, with the claws, A and B, substantially as and for the purpose show nand described. 2d, The loop, b, or other equivalent device for nolding the claw, B, at a proper distance apart from the claw, substantially as shown and described. 73,200.—RAILWAY SWITCH.—W. L. Rogers, North Cornwall, and W. E. Crane, New Britain, Conn. We claim, ist, The bent or right angular levers, D D', rods, E E' F F', cranks, G G', pinions, a, and rack-bars, 1 1', all arranged and applied to a switch to operate in the manker substantially as and for the purpose set forth.

forth. 2d, The rod², J L, and tube, K, notched as shown, and provided with the spring, i, and plates, g h, in combination with the rods, M M', shafts, 11', pinions, m, and rack bars, N N', all arranged substantially in the manner as and for the purpose specified. 73,201.—BRICK MACHINE.—James Sangster and David P.

73,201.—BRICK MACHINE.—James Sangster and David P. Dobbins, Buffalo, N. Y., and John S. Richards, Erie, Pa. We claim, ist, The combination of the lug or projection, Q, and the movable jointed connection, D2, or its equivalent, when constructed and arranged substantially as and for the purposes herein described and set forth. 2d, Also, the projecting pieces or rims marked, F2, within the molds, in combination with the rims, G', or any equivalent thereto, on the upper perforated piston or pistons, I, substantially as and for the purposes herein described aud set iorth.
36, The combination of the mechanism, X X, spring, Y, and cross bar, A' with the vertically moving perforated pistons, I, when the perforations in the lower pistons, G, are made larger than those in the upper pistons, for purposes substantially as and for the combination of the upper and lower perforated pistons, with the cams, for purposes substantially as those in the upper pistons in the lower. Bay, and the secribed.
5th Also, the combination of the upper and lower perforated pistons, with the acams, R, and friction roller, D3, or its equivalent, substantially as and for the upproses herein described and shown.
73,202.—PRESERVE JAR.—F. Joseph Shefferly, Detroit, Mich. I claim sealing a preserve jar by raising the cover in the neck of the jar, instead of lowering it, substantially as described.
73,203.—ENVELOPE.—F. Marion Shields (assignor to himself

73,203.—ENVELOPE.—F. Marion Shields (assignor to himself and James A. Jarnazin), Macon, Miss. I claim the envelope, constructed as described, consisting of the parts, B C, provided with the wings, G G, and flaps, H H E E2, having their edges gummed, as shown and specified.

-THRESHING MACHINE.-John F. Skinner, Brasher

73,204.—THRESHING MACHINE.—John F. Skinner, Brasher Iron Works, N. Y.
I claim. ist, The operating of the shoe, C, through the medium of the lev-er, C, and the cam composed of the double spiral thread or flange, c, on the pulley, H, substantially as shown and described.
2d. The sprint, N, pulley, h, and lever, M, arranged in connection with the beit, L, and wheel, O, substantially as and for the purpose specified.
73,205.—BOLT CUTTER.—E. A. Sloat, Theresa, N. Y.
I claim the stationary cutter, A, the movable cutter, C, the lever, E, and the plates, B, constructed and arranged substantially as herein shown and described, for the purposes set forth.
72,206.—GATE.—Gaius P. Stebbins, Sparta Centre, Mich. I claim the sliding gate, B, hung or suspended on rollers, a a. in combi-nation with the weigh, k, the plytoled bar, E, platforms, F, and the pul-leys, D J', all arranged to operate in the manner substantially as set forth.
73,207.—UTERINE ELECTRODE A D A BDOMINAL SUPPORTER.

73.207 -UTERINE ELECTRODE A D'ABDOMINAL SUPPORTER.

73,207.— UTERINE ELECTRODE A D ABDOMINAL SUPPORTER. —Albert J. Steele, New York city. I claim, 1st, wire electrodes, insulated and covered with sponge, substan-tially as shown and for the purpose specified. 2d. The straps, B, for sustaming the electrode in place, substantially as shown, and for the purpose specified. 3d. Th. form of the electrode having a ring, g' and stems, ff', attached thereto, substantially as shown and for the purpose specified. 4th, the form of electrode having a ring, get and cross pieces, h, sub-stantially as shown and for the purpose specified. 5th, The form of electrode having a singlestem, f'', and cross pieces, h, sub-stantially as and for the purpose shown and described. 6th, Elestic straps, c. c, in combination with the strap, B, substantially as and for the purpose shown and described. 7th, The abdominal beit, A, in combination with the above described elec-rodes, substantially as and for the purposes shown and described. 8th, The conc, conducting plate. D, in combination with the wire electrodes, as hereinafter described, substantially as shown and tor the purpose speci-fied. 73,208.—TINNERS' FORMING MACHINE.—William Stine, L1-

73,208.—TINNERS' FORMING MACHINE.—William Stine, Ll-

more, Ohi I claim the

more, Ohlo. I claim the faring gage, a in combination with the rollers of a tinman's forming machine, afranged and operating substantially as and for the pur-pose herein described. 73,209.—PLOW.—James Urie, Evansville, Ind. I claim, ist, The standard, C, constructed as described, having the flange, cl. extending its entire length upon one side, and the horizontal part or land side forming two flanges upon its rear end, gradually decreasing in width toward the forward part, all cast in one piece, as herein described,

width toward the forward part, all cast in one piece, as herein described, for the purpose specified. 2d, The point, A, when cast in one piece as set forth in combination with the standard, C, constructed as described having the fiange, cl. extending its entire length upon one side and the horizontal part or land side forming the fianges upon its rear end gradually decreasing in width toward the lorward part all cast in one piece, as herein shown and described. 73,210.--SAW.--George Walker, Middletown, N. Y. Iclaim the annular rivet, climetted in the side of the saw tooth engaging with the notches, a, upon the cutter, B, whereby the latter is held in the 73,211.-HORSE HAY FORK.--J. H. Walker, Grand Rapids, Mich

Mich. I claim the vertical spring bolt, D', working in projections upon the side of the suspension bar, C, near its upper and and litting into the notch, e, in the underside of the curved irame, B, passing through the mortise in the suspension bar, C, above the spring bolt, D', arranged and operating as de-scribed for the purpose specified. 73,212.---SCRAPER ATTACHMENT TO CARS.---E. B. Wells,

NOTHAMPION MASS. I Claim, 1st, The adjustable scrapers, D. held down upon the track by means of pressure upon the bar, H, the spring, E, permitting sail scrapers to yield to the inequalities of the track, as herein set forth for the purpose Boundad.

Initer action processing apparatus constained in one half of the said receptacle, substantially as above described.
16,627.—MACHINE FOR CUTTING DOVETAILS AND THEIR GROOTES,—Harvey Church, Troy, N. T., assignee of Elbridge G. Mathews, Clear Water, Minn. Dated Feb. 10,1857. Application for reissne received and filed Dec. 28, 1867.
I claim the use of knives of a form as hereinbefore described, either stationary or having a reciprocating motion, for cutting dovetails, or male and female grooves "cut under," in place of cutting them with knives having a rotary motion, the knives of a secribed being used either singly or in combination with the fixed stock, Q, of the mitering knife, f, and scouring and cleaning knives, e, e, as herein set forth, for forming a coeperation the miter and dovetail couple and grootes. This show the sake stock part of the block or board in a clamped position past the same, or a reverse process, namely, moving the cutters adjusted in the fixed stock path of the block or board in a scanped position past the same, or a reverse process, namely, moving the cutters adjusted in the fixed stock path of the order of therein as set forth.
9,781.—MOP HEAD.—George I. Colby, Waterbury, Vt., assignee of Harvey Murch, Lebanon, N. H. Dated June 14, 1853. Extended May 20, 1867. Application of a socketed cross head with a binder have yield to the inequanties of the track, as herein set forth for the purpose geodied. (The construction and arrangement of the scrapers, C, attached to the end of the inclined springs, E, curved bar, F, stud, a, slotted and jointed rod, G, its sections, c d, pivoted to the ears, b b, the section, c, connected to the operating bar, H, as herein set forthfor the purpose specified. 73,213.— VENTLATOR AND WINDOW SCREEN.—J. R. Wharry, Moundeville, W. Va. I claim, 1st, The combination of the wire screen and trame, F G, shutters, C G, and wirdow frame, as herein described for the purpose specified. 20, The shutter, C C, metal bar, e, and lever, E, substantially as described when disposed without the lower part of a window frame, substantially as above set forth and described.

above set forth and described. 3d, The said shutter, C C', in combination with the slot, g', in screen frame, G, substantially as above set forth and described.

73,214.-MACHINE FOR SAWING LATHS.-Emery T. Wheeler

73,218.--BED BOTTOM.-S. J. Wingate, Decatur, Ill. Iclaim the combination of the bars or levers, E, elastic straps or bands, L, and cross bars, I, with each other and with the slats, F, and irame of the bedstead, substantially asherein shown and described and for the purpose

 $[J_{ANUARY} 25, 1868]$

73,219.—SHINGLE MACHINE.—Horace Woodman, Saco, Me. (3),219.—SHINGLE MACHINE.—HOFACE WOOUHIAH, Saco, Mc. Iclaim.ist, The revolving table with its feeding and securing mechanism constructed substantially as described in combination with the rotary planer, V, and saw, C, as and tor the purpose specified. 2d, The combination and arrangement of the outer prooved cylinders, K, adjustable frame, R, lever, Q, segment rack, k, and spring, g, substantially as described for the purpose specified.

NOTE.-In the above list of patents SIXTY-FIVE were obtained through the office of this paper.-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 subjoined. Parties who desire to oppose the grant of any of these reissues should immediately address MUNN & CO., 37 Park Row, N. Y.

71.955.—Suspension Bridge.—Charles Bender, New York Dated Dec. 10, 1867. Application for reissue received and filed D city. 26, 186

city. Dated Dec. 16, 1867. Application for reissue received and filed Dec. 26, 1867. I claim, 1st, The construction and arrangement of one or more yielding joints, connecting the beams or trusses of stiffened suspension bridges, substantially for the purpose herein described. 24, I claim the use of balls, serving as material axis of rotation of said yielding joints, and I also claim the means and method to prevent any horizontal deviation of one or more of the adjoining parts of the beams or trusses, substantially for the purposes specified, both for all kinds of stiffened suspension bridges, and the ends of the cables or chains ator near the first or shore piers to the longitudinal beams or the trusses of stiffened suspension bridges, substantially asset forth. 4th, I claim the method empiyed to reduce the side motion, by leaning the longitudinal beams or trusses of stiffened suspension bridges againstall the piers; and I claim alto the attachment, on one pier immovable in any horizontal direction, while at the other piers allowance is made for the variations of the length of the beams or trusses, substantially for the purposes set forth and described. 5th, I claim one or more rollers, or pieces of rollers, with or without jour-

set for hand described. Set for hand described. Sth. I claim one or more rollers, or pieces of rollers, with or without jour-nals, placed on the end piers of stiffened suspension bridges, subtantially for the purpose specified. Sth. I claim the means and method by which the beams and trusses of stiff-ened suspension bridges are secured vertically to the end or shore piers by use of the weight of the piers, if said bridges are constructed according to any of my claims, it to 5th inclusively, and I claim in all cases the means to allow thereby for the expansion and contraction of the bridge, for the purposes set forth and described. 70.648.— LAST.— Ambrose Taylor Occavatoria Variation

forth and described. 70,648. — LAST. — Ambrose Taylor, Osawatomie, Kansas. Dated Nov. 5, 1867. Application for reissue received and filed Dec. 27, 1867. I claim, ist, The spring hook, E, secured by its shank, F, in the block, B, and engaging with the hook, C, set in the last, A. all constructed and R ranged to operate as herein set forth for the purpose specified. 24. I further claim the prevention of lateral or backward movement of the plock, B, by having the hook, C, extend upward above the surface of the upper side of the last, and within a recess in the under surface of the block, B, substantially as shown and described.

upper side of the last, and within a recess in the under surface of the block, B, substantially as shown and described, 595.—APPARATUS FOR VULCANIZING CAOUTCHOUC.—George E, Hayes, Buffalo, N.Y. Dated March 5, 1861. Application for reissue received and filed Dec. 27, 1867. I claim. Ist, A vulcanizing vessel or oven having its opening and closing joint for insertion and removal oi the mold at of near the bottom, by mak-ing it of two main sections, the upper or inclosing one of which forms the body of the vessel, while its lower section constitutes a base thereto, sub-stantially as specified. 2d, So constructing and using a vulcanizing vessel with a flattened bottom as that the plaster mold containing the rubber compound shall be in contact with the inside of the lower part of the vessel, so that the heat from the jamp or other heater shall be applied directly to that part of the vessel upon which the wold lies, substantially as and for the purposes set forth. 3d, A mercury chamber formed in the upper section of the vulcanizing vessel, the open ring, C, in combination with the bottom, A, band, D, and cover, E, substantially as specified. 44, 130.—METALLIC CONCENTRATOR.—Zenas Wheeler, San Francisco, Cal. Dated Sept. 6, 1864. Application for reissue received and fled Dec. 37, 1867.

risucisco, Cal. Dated sept. 6, 1864. Application for reissue received and filed Dec. 37, 1867. I claim, 1at. The arrangement and combination of the corrugated surface, 8 with a 'ubratory or oscillating pan or concentrator. 2d, The inclined grooves, K L and K'L', or their equivalent, in combina-tion with a vibratory or oscillating pan or concentrator. 3d, the opening, D, in combination with a vibratory or oscillating pan or concentrator. 4th, The bowl, F, and tube, F, or either of them, in combination with a vibratory or oscillating pan or concentrator, substantially as and for the purposes hereinspecified. 36, 201.—FLUID METER.—Napoleon Aubin, Montreal, Canada. Dated Aug. 19, 1982. Application for veissue received and filed Dec. 28, 1867. I claim the combination of a diaphragm or its serviced out the

Dated Aug. 19, 1862. Application for reissue received and filed Dec. 28, 1867. I claim the combination of a diaphragm or its equivalent with a reversing apparatus and a slide valve, connected each with the other without the use of stuffing boxes, and the whole inclosed within a proper receptace con-taining a valve seat, and constituting a fluid meter, constructed and operat-ing substantially as above described. I also claim constructing fluid meters with a single slide valve of such length that it will not cover both of the outside botts in the valve seat at the same time, in combination with a reversing apparatus arranged to throw said valve, while acting upon it, rapilly across the said ports, substantially as and for the purpose above descripted. I also claim the use in fluid meters of a diaphragm when combined with a short slide valve of the above description, substantially as and for the pur pose above described.

pose above described. I also claim the use in fluid meters of compression springs when combined with ashort slide value of the above description, substantially as and for the purpose above described. I also claim constructing the receptacle of fluid meters in two pieces, one is constructing the side pipe, and the other half the other part that contains part of the side pipe, and the other half the other part flatter acts upon a reversing apparatus contained in one half of the said re-ceptacle, substantially as ubove described.

May 20, 1001. Application for reissurfectived and nice doet 20, 1001. Dr vision A. I claim, 1st, The combination of a socketed cross head with a binder hav-ing the two ends thereoi united, the combination being substantially such aa described. 2d, 'he combination of a socketed cross head with a binder having the two ends thereoi united and a single tastening for holding the whole binder in such rosition as to clamp rags, etc., the combination being substantially as described.

73,214.—MACHINE FOR SAWING LATHS.—Emery T. Wheeler and William H. Yaughan, Cannelton, Ind.
We olaim, lst, The adjustable rests, pp', in which are mounted feed wheels, u'u', in combination with the solding supporting rods, rr, and bars, s, all constructed, arranged and operating substantially as and for the purpose herein shown and described.
""", on the same, substantially as and for the purpose described.
"", to odd, provided with the solding of the purpose described.
"", to the same, substantially as and for the purpose described.
"", to the same, substantially as and for the purpose described.
"", to the same, substantially as and for the purpose described.
"", to the same, substantially as and for the purpose described.
"", to not carriage, ", in combination with the paw, z, and gage tatcher wheel, y, constructed, arranged and operating substantially so the same, substantially as and for the purpose described.
"", the tooth, provided with pi',", to which motion is given by worm, w, on shaft, g, through the medium of clutch pulley, n2 arm, y gage ratchet wheel, so constructed, arranged sonbatantial; yas described.
"the too the described.
"the combination of the clutch pulley, n2 arm, y gage ratchet wheel, y, and shaft, g', all constructed and arranged substantial; yas described.
"", all 515.—Watter WHEEL, "George W. Wheeler and George such rosition as to clamp rags, etc., the combination being substantially as described. 3d, The combination of a socketed cross head with a handle and a binder having the two ends thereof united, the Combination being substantially such as described. 4td, The combination of a socketed cross head with a handle and a binder baving the two ends thereof united and secured in clamping position on the handle, so as to sustain or a(a) in sustaining the cross head, the combination being substantially such as set forth. 5th, I claim a binder in combination with a hondle when the former can more longitudinally with reterence to the latter, and is secured thereto when destred, the combination being substantially such as described. 9,781.—MOP HEAD.—Geo. I. Colby, Waterbury, Vt., assignee of Harvey Murch, Lebanon, N. H. Dated June 14, 1833. Extended May 20, 1867. Application for reissue received and filed Dec.28, 1887. Divis-ion B. I claim, ist, The combination with a cross head and binder of a ratchet Frederick F. Nearing, Brookfield, Conn. I claim the frame, G, fitted loosely on the axie, B, and carrying the revolv-ing rake, H, in combination with the loose pulley, E, and clutch, F, on the axie, B, and the lever bar, J. on the frame, G, with the spurs, g, on the rake head, all being arranged to operate in the manner substantially as and for the purpose set forth. 73,193-BAG FASTENER.—Daniel Overholtzer, Polo, Ill. 73,215.-WATER WHEEL.-George W. Wheeler and George V. Allen, Hartford, Md. We claim the combination of the three sets of buckets, a bc, and the in-clined rim, d, and bottom, e, to form the wheel, c, in connection with the case, applied to the wheel, and all arranged substantially as and for the pur-peop appeind. ion B. I claim, ist. The combination with a crows head and binder of a ratchet fastening, the combination being substantially as described. 2d, The combination of a ratchet has realized, hundle, binder, and cross head, the combination being substantially as set forth. pose specified. (3) 194. -- WATEK METER. -- WATEF I Ayton, Sewartstone Road, Victoria Park, England. I claim the combination of the alles, b b, vanes, bi bl, gear wheels, b2 b2, worm, d, gear wheel, i; worm, f2, gear, g, shaft, g1, worm, f2, and gearing for the operation of the indicators, s3, plaumbers, e a3 and al, all arraiged a8 de-gribed, for the runpes of measuring the passage or flow of liquids, or for raising and forcing fluids, or for obtaining motive power, substantially as herein shown and described. 73,216.--MARKER FOR SEWING MACHINES.--Joseph P. White, 73,216.—MARKER FOR SEWING MACHINES.—JOSCHI I. WING, Savannah. Ga. Icialim, ist, The spring catch, e, and handle, d, in combination with the presser, C, bar, c, and gage, A, all made and operating substantially as here-inshown and described. 2d, The hemmer, D, composed of two pieces, h and i, constructed as set forth, in combination with its sliding supporting block, f, bar, B, and gage, A, as and for the purpose herein shown and described. 3d, The marker, E F, hinget to the sliding block, k, and provided with the spring, m, substantially as herein shown and described in combination with the presser, C, All made and operating as set forth. 4th, The adjustable rage, A, when provided with set holes, b, in combi-nation with the presser, C, handle, d, spring catch, e, adjustable sliding hem-mer, D, and hinged and sliding marker, E F, all made and operating sub-stantially as herein shown and described. 72 217 —CULTIVATOR — Josenh Widman. Panola, Ill. De Norz .-- The above claims for Reissue are now pending before the Patscribed, for the rurpose of incasuring the passage of now of inquise, joint ratsing and forcing fluids, or for obtaining motive power, substantially as herein shown and described. 73,195.—Prinvring PRESS.—C. Potter, Jr., Westerly, R. I. I claim, 1st, the combination of the eccentric bearing, E, adjustable box F, segmental plaines, G, segments, H, lever, L, and cylinder, C, substantially as described, for the purpose specificd. 2d. The wheel, Is, and cara, c, h combination with the eccentric bearing, F, for the purpose of returning the cylinder after having been lifted to its original bosition before taking a sheet, substantially as herein shown and de-scribed. ent Office and will not be afficially passed upon until the expiration of 30 days from the date of filing the application. All persons who desire to oppose the grant of any of these cloims should make immediate appli-MUNN & CO., Solicitors of Patente, 37 Park Row, N. Y. cation. * -----The richest silver mining region in Europe, at the present day, is the Aus trian dominions, at Przibram, in Bohemia. Some of the ores found in that 73,217.—CULTIVATOR.—Joseph Widman, Panola, III. Iciaim, Ist, The detachable seat bars, E E, secured to the main trame, A, of the machine, substantially in the manner as and far the purpose set forth. 2d, The attaching of the front ends of the plow beams, G G, to the pendenta, I, by means of universal joints, H, when this attachment is used in connec-tion with the plow ted arms. O G, connecting bar, P, and lever, Q, tor giving a lateral motion to the plows, substantially as described, 73,196.-FEED GAGE FOR PRINTING PRESSES.-C. Potter, Jr. place are remarkable, one vein in particular being composed almost wholly We story, R. 1. Region the two screws, D D', and slotted guide plate, B, in combination with the box, compused of two parts, E E', fitted to the swaft A. and all ar-ranged substantials in the manner as and for the purpose set forth. 73,197. — CLEVIS.— E. M. Potter, Kalamazoo, Mich. I claim the employment of the two pulleys, 14 and A', substantially as of ruby silver ores. Some of the zinciferous ores in this vicinity contain a very large percentage of cadmium, as compared with the blendes of other parts of the world. Several of the mines at Przibram are now worked to a depth of more than 1,300 feet, with no appearance of giving out,