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On filing each Caveat

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- On appeal to Commissioner of Fatents... On application for Extension of Patent... On granting the Extension... On filing a Disclaimer... On filing application for Design (three and a half years)... On filing application for Design (seven years)... Un filing application for Design (fourteen years)...

In addition to which there are some small revenue-stamp taxes. Residents of Canada and Nova Scotia pay \$500 on application.

\* Pauphlets containing the Patent Laws and full particulars of the mode of applying for Letters Patent, specifying size of model required, and much other information useful to investors, may be had gratis by addressing MUNN & Co., Publishers of the SournificAmemoan, New York.

65,037.-MACHINE FOR HULLING RICE.-William G. Adams, Franklin, Mass.

r rankilli, Juass. I claim the combination of a narrow-outletted hopper, an elastic yielding reed roll, with its corresponding concave, and elastic yielding conveying sur-face, a rough surfaced cylinder, and a surface opposed to the yielding con-veying surface, and extending between the feed roll and the rough surfaced roll nearly tangential thereunto when said parts or their equivalents, are ap-rangeds as to operate substantially as described.

65,038.-Apparatus for Securing Pulverized and other MATERIALS TO PAPER .- William Adamson, Philadel-

phia, Pa. I claim the two endless aprons, E and F, in combination with rollers so ar-ranged that, the said aprons will converge towards pressure rollers, D and D', as and for the purpose described.

65,039.-WAGON BODY.-J. H. Aldrich, Nashua, N. H. l chim the arrangement and combination of said sill, A, with cap, B, for the purpose herein described.

65,040.-TANK FOR STORAGE OF PETROLEUM.-Peter An

65,040.—TANK FOR STORAGE OF PETROLEUM.—Peter Andrew, Cincinnati, Ohio.
First, Icaim the oil tank, so constructed that the oil will rest on the surface of the water and be surfounded by water on its sides, as set forth, when said tank is arranged and combined for discharging into the lower reservoir in case of a fire, substantially as set forth.
Second, I claim, for the purpose of extinguishing fire and saving oil that may be on fire, oil tanks stituated in relation to each other, as described, connected by pipes constructed and arranged in such a manner that the oil from the upper tanks may be conveyed to the lower ness, without alonger of free being communicated through these pipes from the upper to the lower tanks, so along the oil be on fire at the time of its being transferred.
Third, I claim the construction and arrangement of oil tanks and pipes connecting these tanks, as described and specified, for purposes set forth.

65,041 .- MATCH SAFE.- Charles A. Babcock (assignor to him-

50,041.—MATCH SAFE.—CHARLES A. DAUCOCK (Assigner to infin-self, D. M. Golden, and D. M. Kenyon), Frankfert, N. Y. I claim the match-delivering drawer, d.in combination with the spring la-niter, h, and finger, i, for elevating the lighted end of the match, substantially as set for th. 1 also claim forming a receptacle, I, for the burnt matches upon the remov-able cover, k, to the hopper, as o that said burnt pieces may be removed with factify from the match safe, as set forth.

55,042.—STEAM GENERATOR.—G. H. Babcock and S. Welcox

50,042.—STEAM GENERATOR.—G. H. BADCOCK and S. Welcex, Jr., of Providence, R. I.
 First, We claim a steam generator made up of sections of pipes, each of the several sections being composed of a series of inclined pipes, B, and a series of horizontal pipes, G, united at the ends by distinct side pipes appropriate to each section, the several sections, when arranged side by side and connected, forming an intermediate combustion chamber, A, and operating to cause a constant circulation of the water through the pipes in one direction, substan-tially as described.
 Second, In combination with the series of horizontal pipes, C, the series of upright connecting pipes, D, for the purpose of allowing the steam, as form-ed, to separate from the water and rise to the discharge aperture, arranged substantially as described.
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Substantially as aescribed.
(55,043.—TEMPIERING UMBREILLA RIES.—Thomas W. Ball, Morrisania, N. Y.
I claim, First, A tubular opening into which the ribs are introcuced, in com-bination with gas jets, or other source of heat, so applied as to act upon all sides of such tubes or tubular openings, and temper the umbrella ribs with uniformity, as specified.
Second, A Gouble casing of non-conducting material, in combination with such tubular openings, and heat applied, in the manner and for the purposes specified.

specified.

65,044.-METHOD OF TREATING AFFECTIONS OF THE SKIN. Augustus Barnes, Southington, Ct. I claim the use or employment of a glass lens for removing flesh marks and iscolorations, substantially in the manner described.

65,045.-METHOD OF TEMPERING SPRINGS.-Wallace Barnes

Bristol, Ct. I claim the employment of one or more colls, as shown and described, in the process of tempering springs.

65,046.—BRACE FOR BORING BITS.—Harry S. Barthelemew (assigner te himself and G. W. Barthelemew), Bristel, Ĉt.

I claim the protuberance. a, upon the socket, A, with a corresponding de pression, a', in the jaws, substantially as and for the purpose described.

pression, a, in the jaws, substantially as and for the purpose described. 65,047.—STEAM TRAP.—Henry W. Bartel, Philadelphia, Pa. I claim, First, The arrangement of spring, A, in cylinder, A B A' B', so that when the steam enters the cylinder, the expansion of metallic spring, A, will close opening, E, as and for the purpose described and set forth. Second, The spring, A, held and secured in proper place by means for ring bosses, K, and bevel notch, R, as and for the purpose described and set forth.

65.048.-LATHING APPARATUS.--W. L. Beardsley, Bingham-

ton, N. Y. I claim the constluction and use of the apparatus herein described and se

65,049.-WASHING POWDER.-Henry Benter, Pittsburgh, Pa. I claim a washing powder or compound composed of sal soda, or its chemi-cal equivalent, cutic-dsh bone, and ultra marine, or other equivalent color-ing matter, mixed in about the proportions above stated and substantially in the monree and for the purposes here observed for the substantially in

regulating the flow of water, the said valves, at each end of the tubes, coupled or united together so as to be operated simultaneously, substantially as shown and set forth. Fourth, The combination with a tubular valve seat in which apertures are formed, dnametrically opposite each other, of a tubular valve provided with corresponding apertures, the said valve and valve seat heing arranged for of-cration relacively to the water tube or conduit, substantially as shown and specified.

Specified. Ffth, Thewater gate herein described, the same being made of steel or other suitable elastic material, and having a curved shape, as specified, so that when under pressure the sides of the said gate shall be held firmly and tight-ly against the quoins or guiles in which it slides, substantially as shown and set forth.

Stath, The combination with the elastic water gate, sliding vertically in in quoins or guides of the compensating weight for equilibriating the sale gate, substantially as shown and described.

65,055.-FIRE-PROOF SAFE.-William H. Butler, New York

00,000.— FIRE-FROOF DATES.— It makes an entropy of the second sec

65,056.-STEAM ENGINE.-Caleb Cadwell, Waukegan, Ill. First. The double piston cylinder, L, without heads, and having the valve, 6, constructed and arranged with reference thereto, substantially as de-

Second, The pump valve, 2, having the shaft, Q, attached and operated, as described and set forth.

65,057.-CHALK-LINE MARKER.-John W. Carter, New York

City. I claim the use or employment of the spindle and cord when the same shall be constructed and combined, substantially as shown, for the purpose indi-cated.

65,058. - CURTAIN FIXTURE. -- Marvin Converse, Jordan,

65,058. — UURTAIN FIATURE. — and the observed of the solution of the solution

65,059.-HARVESTER RAKE.-F. E. Cook, Seville, Ohio.

Second, The not and screet, while, the spaces, abdite the space and for the purpose described. Third, I caim the pivoted curved bar, B, sleeve, L, and rake, K, in combination with the rod, M, and cam, E, as and for the purpose set forth. Second, The notched whole, B, springs, I and J, in combination with the bar, H, and rake, as and for the purpose described. Third, The not can screw, with ing, in combination with the sleeve, L, and the spaces, a, before it is drawn across the platform in discharging the gaven, as and for the purpose specified.

65,060.-BENCH HOOK OR DOG .- Charles T. Crane, Lowell,

Mass. An tedated May 19, 1867. I claim a bench hook consisting of a frame, a socket, b, fo spindle, d, with hook, e, attached, and spring, f, all as mechanic for the purpose herein described, and the manner fully set forth

65,061.—BED BOTTOM.—Charles Croley, Dayton, Ohio. I claim the construction of the supporting pieces, a and b, with slotted ends, substantially as and for the purpose specified.

65,062 .- SHUTTLE FOR SEWING MACHINES .- Job A. Davis,

Watertown, N. Y. I claim the lever pad, s, screw, w, and coil spring, c, when constructed and ranged, substantially as and for the purpose set forth.

65,063.—Compound for Refining Cider, Ale, etc.—Wm. M. Davis (assignor to himself and Wm. L. Beckwith), Cleveland, Ohie.

I claim the composition above described compounded of the ingredients above mentioned, or their known equivalents, substantially as and for the

65,064.—Rock DRILL.—Daniel S. Early, Hummelstown, Pa. First, I claim the drill rod, constructed with the fixed collar, K, and shoul-der, L, in combination with the tappets, G, and slotted crosshead, H, substan-tially as described for the purpose specified. Second, The tappets, G, with shoulders, g, and turned ends, h, arranged with the slotted crosshead, H, in combination with the drill rod, I, having fixed collar, K, and square shoulder, L, substantially as described for the purposes specified.

65,065.—Apparatus for Evaporating Liquid.—Lewis C. England, Philadelphia, Pa.

England, Philadelphia, Pa. First, 1 claim a stirrer composed of main shaft, I. L', teeth. D D, upright, US, combined with evaporator, 13 P, by means of journals, O, capable of a rocking motion, constructed substantially as described. Second, The combination of frame, 0, o, tapering frame, 0'0', and erank screw, S S C, working together in the manner and for the purpose described. Third, Box, B P, take metallic bottom, de de, frames, 0 o' 0', crank screw S S C, and stirrer, L', all combined and working together in the manner above described and for the purpose set forth.

65,066.-PIPE CUTTER.-Theodore S. Foster (assignor to him-

(b),000.—FIPE CUTTER.—I neodore 5. Foster (assigner to min-self and John P. Sabin), Fitchburgh, Mass. First, I claim the knife, b, constructed as described and attached to the claw, substantially in the manner and for the purpose above specified. Second, The combination of the knife, b, with the friction rollers or their equivalent, and the feeding screw as above described.

65,067.-CURTAIN FIXTURE.-Charles II. Fowler, West Rox-

buyy, Mass. I claim the combination with a curtain roller of a sliding or spring box or clamp, under such an arrangement that the said box or clamp shall not only constitute the means by which the roller and entrain are held in position, but also support the journal of the said roller at all times and form the bear-ing in which it resolves as berein set forth. I also claim the combination of the journal of a curtain roller with the re-cessed bracket and sliding or spring bearing substantially in the manner and for the purposes herein specified.

65,068.-SHAFT TUG.-Kasson Frazer, Syracuse, N. Y.

I claim as new article of manufacture a shaft tug composed of the parts, AB C, substantially as and for the purposes described. 65,069.-BRICK PRESS.-E. R. Gard, Chicago, Ill.

(b),003.—DRICK FREES.—E. K. GAFG, OHICAGO, HI. First, I claim a follower, S, provided with one or more rollers, u u, run-ning under and in combination with flanges, f, projecting from the track nearly along its entre length, substantially as and for the purposes herein specified. Second, I also claim the removable journals, V V, for the supporting roller, U, of each follower, the said bearings being provided with oil cavities for containing oil and some porous, or capillary substance, to keep the journals constantly lubricated, substantially as herein set forth. Third, I also claim an adjustable top or lid, X, for the followers, by means of the washers, x x, or any equivalent thereof, for the purposes herein de-scribed.

of the washers, x x, or any equivalent thereon, for the projecting rim, b, of the mold Fourth, I also claim the combination of the projecting rim, b, of the mold wheel, and the supporting roller, L, for the purpose set forth. Firth, I also claim the self-lubreating journal box of the roller, L, con-structed substantially as herein specified. Sixth, I also claim the adjustable pressure portion, G, of the track when combined with india-rubber, or equivalent, springs, H H, substantially as and for the purpose specified.

(5),089.—IURNING LATHE.— WIIIIam Johnson, Lambertville, N. J. I claim, First, The continuous cover, M, over the feed screw, G, said cover passing through an aperture in the slide rest and in other respects ar-ranged as set forth. Second, Constructing the feed nuts to allow the cover to pass between them and the peculiar arrangement of eccentric movable arm and connect-ing bars, whereby the feed nuts are made to bave equal distances in opening and closing the feed screw by rods attached to said nuts at points unequally distant from their center of motion. The whole combined and operating substantially as hercin set forth and described. 65,070.-MODE OF FORMING THE EDGE OF WATER-PROOF 65,090.—PUNCH FOR CAR TICKETS, ETC.—R. J. Kellett, San

Soles.—Joseph H. Greenleaf, New Haven, Conn. I claim the leather edge for soles constructed and formed substantially as herein set forth, as a new article of manufacture.

65,071.-APPARATUS FOR FORMING EDGE OF WATER-PROOF

Eleventh, The combination with the dropping slide of the fertilizer hopper, D, of the flap valve,  $\mathbf{a},$  and ball or weight, e. applied and operating in the manner and for the purpose specified.

65,074 .- GRAIN CLEANER.-J. A. Hall, Greenfield, Ind.

First, I claim the shaking shoe, C, hinged to the frame and agitated by con-tact with the circular series of carns or projections on the head of the ro-tating screw, substantially as described. Second, The rotating screw, G, in combination with the shaking shoe, C, and the shutter, P, forregulating the discharce, substantially as described.

65,075.-STEAM COCK.-Albert Hallowell (assignor to him-

b) (10.—STEAM COCK.—Albert frameweit (assigner to infin-self and Horace R. Barker), Lowell, Mass. I claim the combination as well as the arrangement of the spring, s, or the same and either or both the chambers, n P, with the auxiliary conical valve, e, and seat, f, the cap, F, the hand wheel, I, and the key, E, employed for effecting by aid of the screw, c d, the vertical movements of the main valve, A, with respect to its seat, **J**, as described.

65,076 .- WASHING MACHINE.-William H. Hanson, Albion,

N. Y. First I claim the rotary brush, E one or more rollers, I, and the screw, K, in orthoniation with the corrugated board, H, operating in the manner and for the purpose shown and described. Second, I claim in combination with the above the roller, L, and the box. A, having two compartments, C and D, substantially as shown and de-scribed.

65,077.-Machine For Cutting Hair, Grass, etc.-C. F Harlow, Boston, Mass., and E. H. Perry, Roxbury

Mass. First, We claim so combining, arranging and operating the two sectoral plates, A. B., as to be enabled when desirable, to operate them by one hand, essentially as described. Second, We claim combining the two plates, A. B. and their operative methanism in such manner as to obtain a number of reciprocating move-ments of the said cutter plate, A, over the plate, A. to one movement of the handles, h b' or the lever, F, substantially in the manner as set forth and ex-plained.

handles, h 'or the lever, F, substantially in the manner as set forth and ex plained. Third, We claim the mechanical construction of the machine substantially as above described, that is the combination of the two plates, A B, bar, D, lever, F, provided with the handles, h b' rack and pinlon, e and d, and cam groove, k, in manner and to operate as specified. Fourth, We also claim the peculiar devices for operating the cutter plate, B, consisting of the rack, e, applied to the lever, F', the pinlon, d, and the dish, b', wi hits cam groove, k, operating in connection with a stud, upon the cutter plate, substantially in manner and to operate as described. Fifth, We claim the employment of the friction rolter, i, for the purpose of keeping the two plates, A B, in contact, and relieving the friction between the latter and the bar, D, substantially as set forth.

65,078.-INDICATING APPARATUS FOR OIL AND OTHER

What I claim is an apparatus substantially such as described, which we guan-fity, specific gravity, temperature, pressure, color and rate of evaporation of the contents of the still, by means of passages and indicators, substantially as described.

65,079.—CAR COUPLING.—Andrew Hartman, Canton, Ohio. First, Iclaim the peculiarly shaped apron or balance, D, of the pin, EZ D, so arranged and constructed as to act both as a balance, and a part of the mouth of the coupling, substantially in the manner and for the purpose here-in penetide.

mouth of the coupling, substantially in the manner and for the purpose here-in subcified. Second, The peculiar combination and arrangement of the parts, A and B, rotating pins, E 2D, bolt, H, block, J, spring, L, Iron, K, pius, O O, slots, S S, catch, C, with handle, I, the several parts being arranged as hereinhe-fore shown, and the whole forming a self-acting coupling operating substan-tially in the manner specified. 65,080.-MACHINE FOR JOINTING STAVES.-George R. Hay

(assignor to himself and J. R. Seely), Edgerton, Ohio. First, I claim the link, e, rod d, spring, c, pin, N', and clamps, O O', in com-ination with the vibrating frame, substantially as and for the purpose set

forth. Second, The adjustable vibrating frame provided with the devices for curving and holding the stave, and detaching said stave when finished, con-structed and operating substantially as assoribed.

65,081,-VISE.-John S. Hoar (assignor to himself and C.

Hastings and N. C. Cutter), West Acton, Mass. I claim the combination of the vise with a table or other support by means of the plates, A and B, axial pin, e, bolts, c, and nuts, d' all constructed and arranged substantially as described. I also claim in combination with the jaws, C and D, the anvil, G', attached to the jaw, C, and arranged in relation thereto as described.

65,082.-STEAM WATER ELEVATOR.-W. L. Horne, Batavia, Ills. I claim a waterelevator consisting of the exterior cylindersa, and interior valvecylinder, b, and valve c, operated in the one direction by steam and in the other direction by water combined and arranged as set forth.

65,083 .- DOOR STOP.-G. W. Hunt (assignor to J. S. Gray and J. S. Watsen), Winchenden, Mass. I claim a combined metallic and elastic door constructed and operating ubstantially in the manner herein described for the purposes set forth. 65,084.- COMPOUND FOR SILVER PLATING.-E. Hunter, M. D., Cleveland, Ohio. I claim the herein described compound for cleaning silver ware and cleaning and re-plating plated ware, or ware made of copper or any of its alloys, of any other metals or alloys.

of any other metals or alloys. 65,085.—MosQUITO BAR.—John S. Hunter, Hartford, Conn. I claim the arrangement of the bows, B, more or less in number and com-bined with an adjustable socket, G, so as to be attached to the bedstead and to operate substantially as set forth.

65,086.-BLIND FASTENING.-S. W. Huntington, Augusta,

Mrc. I claim the combination with the catch bar as described of the socket formed in two parts with a chamber forreceiving the head of the catch bar and for allowing slight vertical movements of the same, substantially as and for the purposes herein shown and set forth.

65,087.-GANG PLOW.-Joseph and James Ingham, San

Jose, Cal. We claim, First, The movable pivoted bars, C C' with the segments, D D' wheels, E E' and pinions, F F', to raise and lower the plows, substantially as described. Second, The two part axle, G with the vertical connecting necks, K K' to make the plows cut to an equal depth as described. Third, The eves, L L' together with the par. M, and screw, m, for the pur-pose of regulating the draft, substantially as described. C5 099 \_ METOPEONS\_ETC.—S. A. Jewett, Cleveland, Ohie.

65,088.—MELODEONS, ETC.—S. A. Jewett, Cleveland, Ohio. I claim the tappets or independent manuals, K. rods, J. levers, G, and rods, H. in combination with the keys, A. and reeds, C. in the manner and for the purpose set forth.

65,089.-TURNING LATHE.-William Johnson, Lambertville,

Francisce, Cal. I claim a punch with an attachment, E, or its equivalent for holding the clippings of clups of tickets in the mainner substantially as and for the pur-pose specified.

Me.

ing matter, mixed in about the proportions above stated, and substantially in the manner and for the purposes herelabefore set forth.	Soles.—Joseph II. Greenleaf, New Haven, Conn. I claim the apparatus substantially as herein described for forming the	65,091.—ELASTIC BUTTON FOR CARRIAGES.—Theodore E.
65,050.—PLOW.—R. W. Biggs, Jacksonville, Fla. I claim the combination and arrangement of the slotted stock, C, point or obser, E, and semi-circular stationary adjusting plate, D, with each other and	edge of soles.	King, Painesville, Ohio. First, The adjusting screw C, in combination with the rubher collar D', ar- ranged in relation to the curtains, in the manner and for the purpose sub-
with a suitable plow beam, A, substantially in the manner and for the purpose herein set forth.	signer to himself and O. F. Case), New Haven, Conn. I claim the combined chair and bedstead herein described having the scat,	stantially as set forth. Second, The rubber collar D,' and adjusting screw C, as arranged in com-
65,051.—MECHANICAL MOVEMENT.—P. Bloomsburg, Jr., and J. Melyneux, Bordentown, N. J., assigners to Borden-	H, and back, G, attached thereto, and so as to be folded, the seat, H, down toward the back, and the back, G, backward down on the frame, substan-	bination with the button hole E, and cuftains in the mainer as described. 65,092.—Compound for Preventing Incrustation in
town Machine Co. Antedated May 16, 1867.	tially as herein set forth. 65,073Corn Planter and Fertilizer CombinedBen-	STEAM BOILERSH. Frederick Knoderer, Sr., and L. F.
We claim the $\sin 2$ eccentric, B, on the driving shaft, the eccentric rod, C, lever, D, and rod, F, in combination with the double crank on the driving shaft, the whole being arranged and operating substantially as and for the	jamin F. Grimes, Dawsonsville, Md. First, I claim the arrangement of the cornhoppers, C C, fertilizer hoppers,	Knoderer, Columbus, Ohio. We claim the application of a compound or preparation of two parts of common alum and one part of common glue prepared and applied as above
purpose set forth. 65,052.—SEWING-MACHINE SHUTTLE.—Ezekiel Booth and	D D, discharge tubes. E E, and inclined tubes, F F, substantially as and for the purpose herein set forth.	specified to prevent and remove the accumulations and incrustations of steam boilers and the pipes and tubes belonging thereto as hereinbefore specified
Job A. Davis, Watertown, N. Y. We claim the longitudinal spring, s with the socket, B, attached, for the	Second, The combination of the bar, G, hinged arms, H H, levers, I L, slides, J J, and dropping slides, N N N' N', substantially as herein described. Third, The combination of the bar, P, levers, P' P', rods, Q' Q', bar, P2, and	and substantially set forth. 65,092.—RUDDER.—F. W. Kuhnert, Rochester, N. Y.
purpose of securing the bobbin, constructed and operating substantially as as set forth.	valves, Q Q Q2 Q2, all arranged and operating substantially as herein de- scribed. Fourth, The combination with the bar, G, and its described connections	I claim the combination with the main rudder B, of the series of auxiliary rudders E E E, arrang d in the keel one after another and capable of being connected with and disconnected from the main rudder, in action, as herein
65,053.—GARDEN HOE.—James H. Brewer, Atlas, Mich. 1 claim turning up the ends of the blade, and forming upright cutters at	with the dropping mechanism of the lever, R, arranged and employed in the manner and for the purpose explained.	65,094.—GANG PLOW.—L. B. Lathrop, San Jose, Cal.
right angles to the main blade, in combination with attaching the shanks to the outer and upper portion of the turned up end of the blade to clear weeds and earth.	Fifth, The combination of the rack shaft, T, arms, T1 T2, tappet or pro- jections, b. notch post, U, and spring catch, V, arranged and operating in connection with the dropping mechanism, as and for the purpose specified.	First, I claim the rotary cutters d, attached to the wheels C, and forming
65,054.—CANAL LOCK.—John Burt, Detroit, Mich. First, I claim discharging the water into and from the lock chamber of a	Sixth, The stirring shafts, $O O O_2$ , in combination with the levers, 11, links, o o, and lugs, o' o' as described. Seventh, The discharge tube, E, when made in two or more parts and	tally as set forth. Second, The axle B, when arranged obliquely below the tongue A, and when adjustable by means of the screw bolt a, and slotted arm b, sub-
canal in a diffused or divided state by means of a diaphragm or apertures formed in the bottom of the said chamber, substantially as shown and de-	hinged in order to adapt the lower section to be turned up and held in its raised position, substantially as described.	stantially as and for the purpose herein shown and described. Third, The devices for raising and lowering the plows, consisting of the
scribed. Second, The herein-described mechanism discharging the water into and from a canal lock, the same consisting of tubes or conduits communicating	Eighth, The arrangement within the discharge tubes of the deflecting pieces or plates, a, substantially as and for the purpose set forth, Ninth, The weights, G'G' in combination with the bar, G, as and for the	screw K, rods i and h, and of the axle B, higs f and g, bar F, and bolks e, re- spectively, as set forth. Fourth, The double tongue A M, in combination with the wheel I, suppor t-
with the higher and lower levels of the canal, and extending along the bot- tom of the lock chamber, and perforated so as to allow the water to enter or be drawn off from the said chamber at several points simultaneously and in	purpose explained. Tenth, The frames, h h, carrying the shovels, h', and coverers, h2 h2, in combination with the supporting bar, A, slotted pendants, A4 A4, and ad-	ing the end of the main tongue, and with the hinges 1 m n and ops, substan- tially as herein shown and described. Fith, The plow beams E, when bent so as to form off sets at the top of the
a diffused state, substantially as shown and set forth. Third The combination with the said tubes or conduits, of the valves for	justing pins, a4, all arranged and operating in the manner and for the pur-	mold-boards, substantially as and for the purpose herein shown and des- cribed.

65,095.-TOCACCO CUTTER.-Nehemiah W. Lee, North Providence, R. I.

I claim the knife D, with its rack b, sliding vertically in the frame B, and operated against the resistance of springs E, or their equivalents by the lever G, with its movable fulerum and toothed sector F, substantially as described for the purpose set forth. 65,096.-TRACE FASTENING.-Burdette A. Lewis, New

Britain, Conn., assignor to himself and Jeremy W. Bliss, Hartford, Conn. Antedated May 16, 1867. I claim the projection e, upon the button c in combination with the latch C, and protuberances h, substautially as and for the purpose described.

and protuberances n, substantially as an error one purpose described. 65,097.—VISE.—Joseph H. Lewis, Duxbury, Mass. First. I claim the arrangement and combination of the movable law e, and internal threaded rotating screw i, with the stationary support and jaw a, and fixed external threaded screw, g, substantially as described. Second, I also claim the arched slide i, in combination with the support a of the stationary jaw substantially as and for the purposes set forth.

65.098.-Bolster FOR RAIL ROAD CAR.-John Marquis and

65.095.—BOLSTER FOR KAIL KOAD CAR.—John Marquis and John W. Kimmell, Crestline, Ohio.
 First, We claim the clamping pieces F F, constructed in the manner and for the purpose hereinspecified.
 Second, The combination of the roles OO, with nuts g g g g, thereon and the clamping pieces F F, in the manner and for the purpose specified.
 Third. The arrangement and combination of the clamping pieces F F, and roles O 0, as claimed in second claim with the pieces A B and C, and connect-ing pieces D 0, the whole comming an adjustable bolster in the manner and for the purpose herein specified.

65,099.—CERTRIFUGAL PUMP.—Carle Federici Marterana,

Baltimore, Md.

Baltimore, MG. First. The pump consisting of the wheel W, constructed as described and arranged to operate as and for the purpose berein set forth. Second, I claim the arrangement of the pump wheel W, and tube or case T, with the valves d, in the bottom of a floating platform or vessel substan-tially as and for the purpose set forth.

65,100.-MACHINE FOR MAKING SCREWS.-Benjamin A. Ma

65,101.-BRIDLE.-J. Franklin Mason, Bentonsport, Iowa. I claim the rounded strap, in combination with guards and rings, to be se ured to the horse's under jaw in the manner and for the purpose herein des

65,102.-COTTON BALE TIE.-Matthew F. Maury, New Or-

leans, La. I claim the plate A, when provided with the folding flanges a al, and shoulders b b1, as described for the purpose set forth.

65,103.—BREECH LOADING FIREARMS.—Reuben McChesney

Utica, N.Y.

Utica, N. Y. First, I claim sustaining the forward extension of the breech piece upon a vibrating fulcrum piece a, substantially as described. Second, The combination of the breech piece. B, fulcrum piece a, and latch d, operating substantially in the manner set forth. Third, Constructing the fulcrum piece a, so as to receive through it the spring  $\vartheta'$ , which depreses the breech piece when the latter is released from the latch d, substantially as described. Fourth, The arrangement of the cartridge shell extractor 11, so as to be operated upon with the full force of the soring a', through the aslep parts be-ing thrown into action by the act of cocking the arm substantially as described. Fifth, Constructing the hammer G, with a flange g' for entering a recess g2 formed in the breech piece and assisting in holding the latter firmly in place, substantially as described. Styth, Constructing the latch d, of the breech piece so as to receive the for-ward end of the main spring J, through it, said latch d, being pivoted upon the trigger pin e', substantially as described. Seventh, Apple', the pini, to the breech holding latch and operating said pin by the projection g, on the inside face of the hammer G, substantially as described. Seventh, Apple', the pini, to the breech holding latch and operating said pin by the projection g, on the inside face of the hammer G, substantially in the manner shown and described.

65,104.-Hinging Lid of Tea Kettle.-William L. McDow

ell, Philadelphia, Pa. I claim a widemouthed teakettlehaving a hinged lid attached consisting of the two segments D.E. coupled together and applied so as to operate substantially as described and for the purposes specified.

Substantially as accorded and for the purpose spectred.
65,105.—BAG HOLDER.—James Melcher, Minneapolis, Minn.
First, I claim constructing the lower part of hopper I, with an hinged side, and connecting said side to the opposite side of the hopper by means of a flexible material in order that it may accommod ate itself to the mouth of the bag substantially as set forth.
Second, in combination with the hinged side and flexible material, I claim spring M, for the purpose of retaining the mouth of the bag open to its greatest extent, substantially as described.
65 106 Uting a grant of the purpose of retaining the mouth of the bag open to its greatest.

65,106.-HARVESTER RAKE.-Lewis Miller, Akron, Ohio. I claim in combination with a revolving arm carrying a pivoted rake or fork upon its outer end, a slide and connecting root, that's operated by a cam and guide, and a tatched to said rake or fork so that while the arm moves h a true direct the rake or fork may assume different positions upon it, substantially as and for the purpose described.

65,107.-SNAP HOOK.-Charles E. Mitchell, New Britain,

Conn. I claim a rigid pressure attachment E, or its equivalent, acting against the heel of the latch, to firmly close it with the hook, substantially as and for the purpose described.

65,108.—MANUFACTURE OF ALCHOLIC SPIRITS.—J. Neely and

Since a Allen, Buckingham County, Va. First, We claim the manufacture of spirituous liquors and alcohol from the juice of maize or Indian corn, substantially as herein set forth. Secondy, We claim as a new article of manufacture spirituous liquors or alcohol made from the expressed juice of corn stalks.

65,109.—CAR WHEEL.—D. P. Nickerson, Cleveland, Ohio. First, I claim the shell A. elastic ring F, and disk I, provided with the shoulder or flange C, in combination with the elastic rings H. Second, The clutches L E, and disk in combination with the elastic rings and shell A, substantially as and for the purpose set forth. Third, The annutar shoulders D. M'rings H, plate M and shell A, arranged substantially as and for the purpose set forth.

65,110-FURNACE FOR HEATING AND WELDING.-George

Nimme, Jersey City, N. J. I claim the welding and heating furnace formed with the heating chamber b, fire and and welding chamber a, and openings dee and f, in the manner and for the purposes set forth.

65,111.—PIPE WRENCH.—J. L. Ordner, Cleveland, Ohio.

I claim hook  $\mathbf{F}$ , and pivoted nut  $\mathbf{E}$ , as arranged and operating within and in combination with the slotted shank  $\mathbf{B}$ , as and for the purpose set forth. 65,112.—Sectional Take up for Corset Looms.—Solomon

Ottenheimer, New York City. claim the springs o, applied between the stationary shaft e, and the thed ring h, in combination with the wheels d, of the sectional take mp ler of a loom for weaving corsets and other irregular fabrics substantially as set forth 65,113.-HORSE RAKE AND HAY SPREADER.-George N. Palme

er, Green, N. Y.

ring F, of the hook E, in combination with the eccentric C, substantially as described. 65,119 .-- SHIFTING RAIL FOR CARRIAGE TOPS .-- Uel Reynolds,

New York City. I claim the wooden shifting rail to which the metal slat irons and prop blocks are attached as set forth.

65,120.-BOOTS AND SHOES.-E. P. Richardson, Lawrence,

Mass. Antedated May 16, 1867. I claim the system or mode of fastening the soles of boots and shoes by means of barbed or corrugated nails or pegs, either with or without heads and driven either from the ontside or inside of the boot or shoe, substantial-ly as herein set forth, and for the purpose specified.

65,121.—SAND PUMP.—E. A. L. Roberts, Titusville, Pa. First, I claim the combination substantially as and for the purposes herein set forth and described, of a tube piston and foot valve, the latter bases opened for the purpose of discharging the contents of the pump by means of the stem k, or its equivalent whether attached to, or separate from the valves.

Second, The perforations s, as arranged in relation to said pump for the purposes herein set forth. 65,122.—PROCESS OF REDUCING AND REFINING METALLIC

65,122.—PROCESS OF REDUCING AND REFINING METALLIC ORES AND OXIDES.—S. C. Salisbury, New York City. First, I claim the application and use in blast and other like furnaces for reducing metallic oxides, of a blast of hydrogen and oxygen gases, or their equivalent when heated to a temperature of from 700° to 500°, Fahrenheit, or thereabouts for the purposesset forth. Second, The use in such rurnaces in combination with such blast of hydro-gen and oxygen gases or their equivalent heated as described. of carbon gas, when free from or obtained from hydrocarbons free from sulphur, phos-phorus, anmonia, etc., for the purposes set forth.

phorus, anmonia, etc., for the purposes set forth. Third, The use in such furnaces of such blast of bydrogen and oxygen gases or their -quivalent, so heated as described, and of such carbon gas free from sulplur, phosphorus, ammonia, etc., in combination with the ordinary air blast, for the purposes set forth. Fourth. In combination with blast and other furnaces used for reducing ores, the use of a compound or divided tweer constructed substantially as de-scribed, for supplying to such furnaces such blasts of different character, sub-substantially as and for the purposes set forth. Fifth, The use in blast and other furnaces used for reducing ores of manga-nese, substantially as and for the purposes set forth.

65,123 .- CUTLERY .- Henry Sanderson, Sheffield, Eng., as-

signer to Wm. Sandersen, New Yerk City. I claim uniting the handle and black in the manner substantially as herein described.

65,124.—PIPE VISES.—D. Saunders, Brooklyn, N.Y.

I claim the improved pipe vise herein described turning on the axis, C, having the side opening, H, to allow the introduction and removal of work, the several parts being combined and arranged substantially as for the purpose herein set forth.

65.125.—STRAW CUTTER.—W. D. Schoolev. Richmond. Ind. 65,125.—STRAW CUTTER.—W. D. Scheeley, Richmend, Ind. First, Iclaim the arrangement of the balance wheel, B, and muan shaft, C, relative to the main frame, and knife sash, E, substantially as described and for the purposes set torth. Second, The use of the lever, k, when provided with the adjustable head, I, and operated by the cam, B, and to operate in combination with the rods, m m, and levers, j j, for the purposes specified. Third, The adjustable bearings, O, as described and set forth. Fourth, The keys, u u, for adjusting the knife frame, as shown and de-scribed.

65,126.-OIL CUP.-H. K. Sears and S. L. Holt, Hartford, Ct. We claim the combination of the passage, a, valve, d, guide, i, and a all arranged to operate substantially as and for the purpose described.

65,127.-Register Point's for Printing Apparatus.-John

50,127.—IEGISTER FOINT'S FOR FAINTING APPARATUS.—John F. Shearman, Brooklyn, N. Y., assignor to E. S. Dodge & Co., New York City. First, I claim the case, K, inclosing the point, I, and open on one side to allow the operation of the cdge of the blade, G, or its equivalent, so as to operate the point therein in any position in the slot, cubstantially in the man-ner and for the purposes herein set forth. Second, I claim in combination with the above, the clamp, L, and adjusting means, N, or its equivalent, adapted to be conveniently operated from above the feed board. so as to set the point in the desired position in the slot, c, sub-stantially as herein specified. Third, I claim adjusting the turning plate, C, by operating from the upper side, all substantially in the manner and for the purposes herein set forth. Second the arrangement of the rollers at A and A1, when both are actuated positively, frames, D and F, including the jaws, F2 F3 and D5 D4, block, D1, stems, D2, and spiral springs, E, substantially as set forth. Third, In combination with the rollers. A and A1, the spur wheel, G, and slotted pinlon, G4, cross piece, H, rigidiv attached to the shaft of the upper roller and washer, I, substantially as and for the purpose set forth.

65,128.-PLANING MACHINE FOR WOOD.-P. T. Smith. Sa-

lem, Ohie. First, I claim the adaptable shaft, G, dowel points or clutch, c', so cket joint, a, in combination with the feed rollers, E', and springs, K, as and for the purpose substantially as set forth. Second, The vertical revolving cutters, Q, spring guides, d', and f, as ar-ranzed in combination with the saw, g, for the purpose and in the manner described.

65,129.-KETTLE.-Alfred Sower, New York City.

I claim the chamber, E, in combination with the tubes, C, and pipes, F G, substantially as here in shown and described for the purpose specified. 65,130.-SHEEP SHEARER.-I. H. Spelman, Baconsburg, Ohio.

I claim the combination of a shearer for the purpose and in the manner as substantially described, as a new article of manufacture. 65,131.-CARD ON LABEL HOLDER.-Edward F. Stephens, Towanda, Pa.

I owalida, Fa. I claim the form of the plate as cut of one piece of metal, the points marked C D E and F, which secure the holder to the drawer, or so forth, without the use of nails or other means of fastening, and the flanges, G H and I, so turned as to hold the card or label and permit the same to be changed without de-taching the holder.

65,132.-MACHINE FOR MAKING FERRULES.-Jeremiah Stever and John A. Way, Bristel, Conn. First, We claim the reciprocating bending dies, J.J. slides, L L. and man-drel, R, combined and arranged for Joint action, substantially in the manner described.

Second, We claim in combination with the above the presser, R", substantially as and for the purpose described.

65.133.-GRINDING MILL.-Isaac Straub, Kenton County, Ky I claim the bolt, b, when used in combination with trambolts, a the purposes substantially as described.

65,134.—MANGLE.—R. A. Stratten, Philadelphia, Pa. First, I claim the combination of the rollers, E E's centred to the adjustable spring standards, D), and the roller, F, secured to the spring standard, D', the whole being constructed and arranged as and for the purpose set form. Second, the shield, m, arranged in respect to the rollers as and for the pur-pose described described

pose cescriper. 65,135.—PNEUMATIC SPRING.—D. B. Strope, Fort Wayne, Ind. First, I claim the construction and arrangement of the hollow piston in its relation to the oil contained in the reservoir or outer cylinder, in the manner and for the pu pose herein described. Second, I claim the combination of the packing, D. elastic packing, J, me-talic packing ring, E, and elastic flange or packing, F, with the gland, C, and niston. B.

Third, I claim the combination of the study, K, cylinder, A, and piston, B, substautially as shown and described. Fourth, I claim the combination of the cock, G, valve, M, and cylinder, A, when arranged substantially as shown and described.

bit, Boston-Chastr For SECURING SHIRT CONLARS.-Join Dat-bier, Boston, Mass. I claim the within-described collar clasp, consisted of the two plates, a a', when pivoted together at or near the center, in combination with a spring, e, one of the plates being provided with a projection, f, which hasses into or through an opening in the extremity of the opposite one, and the clasp being attached to the shirt by means of a stud, g, all arranged and operating sub-stantially as described. I also claim, in combination with the above, the socket, h, for receiving a pin projecting from the cravat or tie, substantially as set forth. 65,136.-OIL STILL.-Dexter Symonds, Lowell, Mass., as-

signor to himself, Benj. Woodward, and M. S. Marshal. laim instills for deodorizing and purfying oils, where the substance or rial used and the process of deodorizing and purilying are herein de-ed.

critical. I claim the employment of one or more screens in the manuer and for the urpose substantially as set forth. And I also claim the employment of a screen or screens in any still where he substance or material under correction bick blocks from an investing there 65,156 .-- APPARATUS FOR TEMPERING SPEEL SPRINGS .-- Ira

65,142.—Combined Match Box and Taper Holder.—John A. Whipple, Cambridge, Mass. I claim the combination of the casin<sup>2</sup>. A, the match holder, B, and hinged ocket, S, substantially as and for the purpose pecified.

383

65,143.—PUNCHING PRESS.—M. G. Wilder, West Meriden, Ct. First, 1 claim the combination of the eccentric G, stock, A, shaft, B, lever, E, arranged and operating substantially as described. Second I claim the combination of the eccentric G, stock, A, sbaft, D, levers, EK, arna, L, with the wheel, H J, substantially as and for the purpose described.

65,144.-HORSESHOE.-Albert S. Wilkinson, Pawtucket, R. I.  $O_{1,1}$  = 11 the BSHCE. The first is with the first is a with the first is the f

65.145.-Horseshoe.-Albert S. Wilkinson, Pawtucket, R. I. 65.145.—HeRSESHOE.—Albert S. Wilkinson, Pawtucket, R. I. First, I claim in double shoes an expansion point which consists in slitting the upper and lower plates laterally so as to break joints, so that the toe clip acts as a spring join to allow the heels of the shoe to expand laterally, sub-stantially in the manner and for the purpose set forth. Second, I claim the double shoe, A a, having an expansion joint as de-cribed, in ecombination with the toe clip, B, provided with a loop, c, and re-taining bands, f, substantially as described. Third, I claim the double shoe, A a, having an expansion joint as described in combination with the toe clip. B, provided with a loop, c, retaining hands, f, and heel rests, j, the whole being constructed and operating sub-scan-tially in the manner and for the purpose set forth.

65,146.—SASH TIGHTENER.—J. D. Winslew, Wilmington, Del. I claim attaching to window sashes the weige shaped please, such the pin or stop, b, as shown in the drawings and herein destribut, as a sash itchtener to exclude wind and storms and prevent the sash what atthing.

with the pin or step, b, as shown in the drawings and the inclusion of the state of the

65,148.—CLOTHES WRINGER.—Geo. L. Witsil (assignor to

First, I claim the combination of the roller, A, spur wheel, G, and frame, F, including the jaws, F2 F3, and the roller, A1, adjustable pluion, G1, and frame, D, including the jaws, B2 D4, said parts being respectively constructed and the whole arranged to operate substantially as and for the purpose set forth.

65,149.—GRAIN CONVEYING MACHINE.—S. W. Wood, Corn-

b5)149.—GRAIN CONVEYING MACHINE.—S. W. Wood, Cornwall, N. Y.
I claim a reservoir, B, and weighing apparatus or scales, H, in combination with the receiving and conveying pipes or passages, C. D, air pump, A, and the governing valves constructed and arranged to operate substantially as and for the purposes herein specified.
I also claim the perforted purpose herein set forth.
I also claim the devices, or their equivalents, for the introduction of air into the receiving and conveying pipes, C. D, air pump, A, and valves, substantially as and for the purpose herein set forth.
I also claim the devices, or their equivalents, for the introduction of air into the receiving and conveying pipes, C. D, in addition to that introduced with the grain, substantially as and for the purpose specified.
I also claim the arrangement of the devices, or "he equivalent thereof, for introducing grain into a conveying pipe of passage, substantially as shown in figs. 3 and 4, and for the purpose herein specified.

65,150.—PROP FOR CARRIAGE TOPS.—Charles R. Abbett,

Binna, N. Y. Ist, Iclaim the shank, B B', when made in two parts, and constructed and operating substantially as and for the purposes set for th. All The shank, B B', in combination with plate, A, ferrule, C, and screw, D, substantially as and for the purposes set forth. ad scenaring the shank, B B, and ferrule, C, together, by means of tongue and groove, o, and pins and holes, v, substantially as and for the purposes set forth.

65,151.--CAR COUPLING.-John D. Anderson, Corry, Pa.

I claim the construction and arrangement of the link, B, atting over hooks, C, upon the npper side of the drawheads, said link catching over plus, c, and prevented from slipping when in a vertical position by mear the circular p.ojections, h. and coupled by means of the bent arm, d, still the projection, a, upon the draw heads, as herein shown and described.

65,152.—CLOTHES-DRYER ATTACHMENT FOR STOVE PIPES.---

Abram P. Anthony, Morrison, Ill. f claim the wire, B, forming the ring, B2, and loops, B1, in combination with the ring, C, by means of which it may be clamped upon a stove pipe substantially as and for the purpose set forth.

65,153.—LATH FOR PLASTERING.—Ellicott D. Averell, New

York City. I claim a lath constructed with countersunk apertures, A', substantially as herein set forth for the purpose specified. 65,154.-ROTARY STEAM ENGINE.-Thomas Banta, Hoboken.

(b), 194.—INTART DEFAU DIVIDUAL ANALYSIS IN THE INFORMATION OF THE IN

65,155 .-- CLASP FOR SECURING SHIRT COLLARS .-- John Bar-

delphia. Pa.

himself and Wm. Darmon and Geo. W. Griffin), Phila-

er, Green, N. Y. First, I claim the arrangement and combination of the balanced frame B.	And I also claim the employment of a screen or screens in any still where the substance or material under operation is liable to foam or risc, as set forth.	N. Bevans (assigner to Eli Terry), Terryville, Conn. I claim the feed rollers, C, in combination with the vessel, A, and receiving
B, shortlevers $F$ , and the rake head E, in the manner herein described for the purposes set forth. Second, I claim regulating and adjusting the tilting motion of the frame B,	65,137.—Mode of Purifying and Deodorizing Oil.—Dex- ter Symonds, Lowell, Mass, assignor to himself, Benj.	drum, D, substantially as and for the purpose set forth. 65,157.—BASKET FOR FEEDING TARRED CORNCOBS TO FUR-
by the screw hooks k k, and springs m m, as described. Third, I claim the combination of the pawls e e, ratchets b b, and thumb screws c c, constructed and arranged substantially as and for the purposes specified.	Woodward, and M. S. Marshal. I claim in decolorizing and purifying hydro-carbon or other oils, the use of the substances or materialshievein specified and in the manner set forth.	NACES, — Ezra Benim, Dayton, Ohio. I claim the cob kindling basket, co istructed substantially as herein de- scribed and for the purpose specified.
65,114.—VISE.—B. F. Perkins, North Adams, Mass. I claim the spring B, or its equivalent in combination with the screw D, and lever C, as herein described, and for the purpose specified.	65,138.—MACHINE FOR UUTTING SHEET OR BAR METAL.— Timethy F. Taft, Shrewsbury, Mass, assigner to Augus-	65,158. —CULTIVATOR. —Hiram Boys, Rushville, Ind. I claim, 1st, The frame, A, as constructed with adjustable tail piece, a, arms, b, with switchs for connecting the shovel beams and rollers, E, with chains for attaching the shovel bars, when combined, arranged and operating
65,115.—COUNTER AND DESK SEAT.—W. R. Pomeroy, Mil- lersburg, Ohio. I claim the bracket B, seat C, lugs D, and springs I, as arranged in combi-	tus Rice, Worcester, Mass. I claim the application to the lock shears above described of the two arms, J J, with bolt, K, and nut, L, or their equivalents, substantially as described.	in the paramet and for the purposes herein specified. 2t. The beams, D D, shovel bars, ft', and shields, e.e. connected by the ad- justable bars, m m, in the manner and for the purposes set forth.
ation with the counter A, for the purpose and in the manner as set forth. 65,116.—BALANCE WHEEL OF WATCHES.—George Ramsay, Clyde, Ohio.	65,139.—COMPOSITION FOR CLEANING METALS, WOOD, AND OTHER ARTICLES.—C. S. Toms, Utica, N. Y. I claim the composition of matter substantially as herein described, with and without the Fullers earth.	65,159.—MOLASSES VESSEL.—William Briggs (assigner te himself and Thomas Helmes), Bristel, R. I. I claim, as a new article of manufacture, a pail or bucket, constructed and
First, I claim a watch balance wheel constructed with spring arms as and for the purpose set forth. Second, The balance wheel with spring arms in combination with the	65,140GATE FOR WATER WHEELSGarret Vliet, Milwau-	furnished as herein described, in combination with the gate, o, as herein set forth and forthe purpose specified. 65,160,—FAUCET.—Á. Brinckmann, New York City.
guards, substantially as and for the purpose set forth.	kee, Wis., assignor to Wm. Vliet, Green Lake Co., Wis. I claim solid metal gate, C, with water ports through its metallie water guides. D, projecting through the ports in gate, C, and curved at their inner	I claim the tube, A, spigot, B, spring, D, within the case, C, in combination with the washers, F G, having stops, c d, as herein rescribed for the purpose
65,117.—SHANK LASTER.—L. Rastetter and A. Simcox, Fort Wayne, Ind.—Antedated May, 16, 1867. We claim the shank A.handle B.stationary iawC.movable iaw E.spring	i ends to conform to the shape of the wheel, for the purpose of giving the water the proper direction, metal rings, E and F, bolts, G, and pinion, H, all arranged and combined substantially as and for the purpose described.	<ul> <li>specified.</li> <li>65,161BoLT CUTTERWalter Britton, Abingdon, Ill.</li> <li>Iclaim the guide, A, bars, B B', connected by a pivot bolt, b, at one end.</li> </ul>
We claim the shank A, handle B, stationary jaw C, movable jaw E, spring j, adjustable iulcrum D, combined, and operated as described and construct- ed in the manner and for the purpose specified and set forth.	65,141.—TUCK MARKER OR CREASER FOR SEWING MACHINES. —Anna W eissenborn, New York City.	and provided with cutters, c c at the opposite end, and the levers, $\mathbf{D}$ provided with cutters, c c at the opposite end, and the levers, $\mathbf{D}$ provided with eccentrics, $\mathbf{g}$ c, all being combined and arranged substantially in the manner and for the purpose set for to.
65,118.—FASTENING SEATS TO CARRIAGES.—Martin C. Rem- ington, Auburn, N. Y. First. J claim the device for fastening seats to carriages and constructed	machine, match a manner that the creasing of marking can be wone withing	65,162.—PIPE WRENCH.—James R. Brown, Boston, Mass., assignor to himself and W. S Lovell, Cambridgeport,
substantially as described. Second, The eccentric C, and sliding hook E, substantially as described for the surpose specified.	the process of sewing, substantially as described. Second, I claim also for giving the downward pressure of the creasing wheel against an edged or grouped instrument attached to the sliding blade.	Mass. I claim, as my improvement the combination of the steple or clean the
Third, The locking device consisting of the spring toothed lever D, toothed	A12, the employment of a spring or set screw or a lever, substantially the same as set forth.	series of holes and the fulerum pin and its string, and their arrangement with the two crossed Jaw levers, substantially in anner as specified.

384

Let A. I claim the use of the shield, s, or its envirancent, in combination with the clasp, constructed substantially as described for the purpose specified.

65,164.—HORSE RAKE.—Israel L. Bullock, Marcy, Ind. I claim the levers, J J, having elastic pawls, L L, attached in combination with the shaft. M, provided with the foot boards, j J, and connected with the levers, J J, substantially as and for the purpose set forth.

65,165.-PENCIL SHARPENER.-Hubert Burgess, San Francis-

co, Cal. I claim the case or box, A, tray, B, and file, C, for sharpening pencils, sub-stantially as shown and escribed.

-Converting Motion .- H. Burk, Mineral Point, 65,166.-Ohio.

Unio. I olaim the construction and arrangement of the pitman, D, the legs, a b, of which straidle the wheel, C, and are provided with rolls, c d, the former running in the groove, E, of the said wheel, and the other running on the metallic plate, f, of the bed, A, substantially as described and for the purpose specified.

65,167.—CAR SPRING.—F. Cajar, New York City. I claim the improvement of a colled or spiral spring and buffer for cars, etc., by providing the lower margins of the coll (viz., of their individual cones), with the ribs or projections. a and b, for the purpose and substantial-ly as described above.

\$5,168.-VEHICLE.-John S. Campbell, Newton, N. J.

a) 100. - v Enterte. - o onn S. campuett. New oill, N. J.
 a) t. felaim the carriage or sleigh body. A, when made of hardrubber and provided with flanges, b and c, and cross pieces, d, substantially as and for the pupp schere in shown and described.
 a) The running gear of wakons and sleighs, when made of rubber, substantially as acrein shown and described.

65,169.-PATTERN SIFTER.-Edward Card, North Provi-

dence, R. f.

I claim the combination of the steel arms, D D, and screw spindle wedge, E, constructed a tescribed. And again, I claim the combination of the device above set forth, with the plate, A, having a hole through its center countersunk on oneside, as herein described and set forth.

65,170.-LINIMENT.-E. M. Carpenter, Elkhart, Ind. Iclaim the liniment compounded of the ingredients, and for the purpose substantially as herein described.

65,171.-MELODEONS AND OTHER WIND INSTRUMENTS.

Riley W. Carpenter, Brattleboro, Vt. Antedated May 23, 1867.

1st, I claim the arrangement of the tremolo valve in or on the swell, sub stantially as specified. ally as specificat. The connection of the tremolo valve with the key or keys of the instru-in such man∧er as to bring it under perfect control of the finger by the endent action of the latter on the key, essentially as herein set forth.

65.172.—BATH TUB.—John Carroll, New York City. 00,112.—BATH TUB.—John Carroll, New York City. 1st, I claim the bath tub consisting of the body, c, with a half circular bot-tom, head rest, a, and foot rest, b, all composed of sheet metal, and sur-rounded by a layer, B, of thin wood, in such a manner as to conform to the shape of the inside of the tub, the wooden foot board, C, adjustable support, D, and metablic luing, g, substantially as herein shown and described. 2d, The thin covering, B, of wood, when lais around the body of a bath tub, with semicircular bottom, substantially as and for the purpose herein shown and described.

65,173.-MACHINE FOR CUTTING SHEET LEAD.-S. E. Chub

b),173.—MACHINE FOR CUTTING SHEET LEAD.—S. E. CHUDbuck (assignor to Joseph H. Chadwick), Roxbury, Mass.
 1st, I claim the arbor, G. provided with the rotary cutter, H. and adjusted in the hollowshank, B of the arms, C, by means of the spring, I, and set screws, J. K. substantially as described for the purpose specified.
 2d, In combination with the above I claim the transverse tacks, E, guides, D, in which the cross heads, b, slide, plinon, F, and transverse bar, L, substantially as described for the purpose specified.

65,174.—Fluid for Disinfecting and Embalming.—Henry

C. Coffman, Washington Court House, Ohio. I claim a disinfecting and embalming compound, prepared substantially a described and for the purpose set forth.

65,175.—TREATMENT OF SULPHATE OF ALUMINA.—Alexan-der Augus Croll, London, England. 1st, I claim the employment of carbonate of lime with the sulphate of alu-mina when the latter is in a heated state. substantially as herein described. 2d, The treatment of the roasted aluminous earth or clay with hot oil of vitriol, substantially as herein described.

65,176.-MODE OF CONSTRUCTING PAPER BAGS, ETC.-Luther C. Crowell, West Dennis, Mass.

as to construct the second and the second

65,177.—CUTTER, GRATER, AND SHARPENER.—Ephraim Cul-ver, Shelburne Falls, Mass. I claim the arrangement and combination of the revolving cylinder, c, hav-ing its projecting and transverse saw teeth of unequal length, and the cylin-der, b, with the knives attached to it, and the grindstone, d, substantially as and tor the purpose described.

65,178.-GAGES FOR HOLDING CLAPBOARDS.-William H.

Cummings and Isaiah Babcock, Roonsboro' Iowa. We claim the combination of the adjustable bars, a b' and d, the fixed log, g, and the epring dog, h, and the lever, k, or their equivalent devices, ar ranged and operating substantially as and for the purposes herein described.

65,179.—Composition for Coating Roofing, Etc.—Oscar A. Day and George W. Bishop, Saratoga Springs, N. Y. We claim the combination substantially as herein described and for the purpose specified,

65,180.-HOISTING APPARATUS.-Joseph A. Dayton, (assignor

to hinself and Joseph Starr), New London, Conn. I claim an improved hoisting apparatus formed by the combination of the chain wheel, B, shaft, D, zear wheels, E Y, shaft, G, gear wheel, H, endless screw, I, shaft, J, and cranks, K, or their equivalent, with each other, and with the frame. A, of the machine, substantially as herein shown and de-scribed and for the purpose set forth.

65.181.-METAL CANS AND BOXES FOR PAINTS AND OTHER MATERIALS .- Frederick W. Devoe, New York City.

MATERIALS.— rederict W. Devoe, New York Chty, 1st, I claim the can constructed with the internal swage, a, at the inner part thereof, substantially as and for the purpose specified. 2a, The combination of the rebate, b, of *L*=c cover, B, the internal swage, a, of the body of thecan, and the gasket, c, substantially as and for the pur-pose specified. 3d, The recesses, d, in the cover, B, in combination with the upper edge of the body. A, and the internal swage, a, substantially as and for the purpose specified.

65.182.—Attaching Thills to Vehicles.—George F. Dietz

Burlingham, N. Y. I claim a carriage clipformedin two parts so as to be adjustable, when so constructed that one part can be moved on the other without loosening the clip on or detaching it from the axle.

65,183.-SHAFT COUPLING.-William H. Doane and John Richards, Cincinnati, Ohio. Antedated February 16, 1867.

motion of the leg, A, and also serve as the means for connecting the leg to the toot, all in the manner herein described and shown. 2d. The construction of the heel extension, a, and concaveankle portion b, upon the leg, A, in combination with the heel spring, d, frame, D, and foot section, B, substantially as described.

65,188.-TOBACCO POUCH.-John G. Ernst, Baltimore, Md. I claim the congated hinges, d, of frame, B, in combination with spring, 62,206.—UMBRELLA.—Stephen F. Gates, Boston, Mass. c, or is equivalent, the concaved metal plate. D, and nipple, E, the whole secured to bag or pouch, A, in the manner described and for the purpose substantially as set forth.

65,189.-WHEAT DAMPENER.-Jacob Eslaman, Belleville, I11

III. I claim the combination of the conveyor-screw, B, and mixing trough, A, with the steam dampening apparatus, consisting of the spout, c, and steam-pipe, E, arranged in manner described

65,190.-TANNING.-O. B. Evans, Buffalo, N. Y I claim compounds or solutions for tanning hides and skins, composed of the ingredence specified, mized together in or about the proportions de-sorhed, substantially as and fer the purposes set forth.

65,191.—MACHINE FOR DRILLING HARVESTER GUARD FINGERS.—Jerome Fassler, Springfield Ohio. I claim the main frame, A, constructed as described, and mounted upon the hollow pillars, B B, and bed plate, C, as and for the purpose set forth. The crank, S, connecting clutch rod, R, and lever, T, in combination, the two former being behind, and the latter in front of the frame, as and for the purpose shown and described. Arranging the stop lever, T, and hand wheel, W, with the other operative mechanism in the manner and for the purpose shown and described. The steel pattern bar, p, with the clamps, q q, as and for the purpose set furth.

forth. The trough, o, constructed as described and for the purpose set forth.

65,192.-MACHINES FOR MILLING HARVESTER GUARD

65,192.—MACHINES FOR MILLING HARVESTER GUARD FINGERS.—Jerome Fassler, Springfield, Ohio.
 I claim the combination of the main shaft, G, which carries the cutters and the counter shaft, H, which receives motion from the driving power. both mounted upon the carriage, F, with the feed shaft, S, constructed and arranged substantially in the manner shown.
 The arrangement substantially as shown of the main shaft, G, and counter shaft, H, both upon the vertically moving carriage, F, cutters, O O, gearing J K, and pulley. L, all outside of the bearings of said shafts.
 Securing the guard fingers, e, to the hold in bed, g, in the manner shown to hold them firmly while being faced off by the cutters.
 The combination of the detachable hold ing bed, g, with the carriage, P, whereby duplicate holders may be used and one set being prepared while another is being operated upon in the manner shown and described.
 The detachable holding bed, g, car lage, P, and feed screw, Q, combined with the hand wheel, R, worm, S, and driving band, T, all combined for joint operation of the set stop, Y, let off device, W X Z, and dropping box, V, to stop the movement of the carriage, P, and test carding the fill mother is no the desired point.
 The detachable holding bed, g, in which two or mor eguard fingers may be secured at one time, in combination with the carriage, P, and cutters, O, of a milling machine.
 65,193.—MACHINES FOR SLOTTING HARVESTER GUARD

65,193.—MACHINES FOR SLOTTING HARVESTER GUARD FINGERS.—Jerome Fassler, Springfield, Ohio. I claim securing the guide rods, constructed as described to the table, A, substantially in the manner shown and set forth. The rods, L L, to connect the heads, K K, of the saw frame in connection with the independent guide rods, H H, in the manner shown and for the pur-pose set forth. The rods, L, L, to connect the heads, K K, of the saw frame in connection with the independent guide rods, H H, in the manner shown and for the pur-pose set forth. The straining heads, M, constructed as described, with the set screws, O Q, and the pin, P, passing through a horizontal slot for the purpose set forth. The holding block, g, constructed as described to hold the guard finger, h, while being slotted as set forth. In combination with the holding block, g, the point holder, f, all constructed as and for the purpose set forth.

is and for the purpose set forth. The carriage, T, and holding blocks, f and g, combined and arranged as set

The carriage, T, and holding blocks, f and g, combined and arranged as set forth. The combination of the carriage and holding blocks, g and f, and the saw frame, K L, when the carriage and holding blocks are located and arranged between the parts of the saw frame as set forth. The arrangement of the shaft, V, pawl, W, and crank bar, Y, with the ratchet wheel, U, and head, K, of the saw frame to produce an automatic feed for the carriage, T, as set forth. In combination with the automatic feed motion herein described, the lever, b, spring, c, latch, d, and pin, e, for the purpose of disconnecting the said feed and arresting the forward motion of the carriage, T, as and for the pur-pose set forth.

65,194.—FIRE ESCAPE AND ALARM.—Julius Fischer, New York City.

I OFR CILY. Ist, I claim the combination of an alarm bell or of alarm bells, with a life saving apparatus connected in such a manner that the lifes aving apparatus, when being brought in readmess to be used, will set the bell or bells in mo-tion, for the purpose as herein fully described.

tion, for the purpose as herein fully described. In attached to the ladder, by defailing in combination with the above a chain attached to the ladder, by means of which said ladder may be unwound from a windlass, for the purpose as herein described.
3d, I claim the combination of a sliding frame, with a windlass and chain ladder, the whole being constructed and operating as and for the purpose herein fully described and set forth.

65,195.—WHEAT DRILL.—D. S. Fisher, Cedar Spring, Ind. I claim the rotating shaft, B. provided with the pins, a, in combination with the perforated board, C. and the reciprocating slide, D, operated by the cam, H, all arranged substantially in the manner as and for the purpose set forth.

65,196.-HARROW.-D. S. Fisher, Cedar Spring, Ind.

uo,218.-HARVESTER.-B. G. H. Hathaway, Rock Stream, N. Y.
1st, I claim the spherical case when attached to the axle and constructed in two parts, O and C' and having a projecting cylindrical pipe, C', which form bearing at P' and P', for the attachment of the cutting apparatus, sub-stantially asset forth.
2d, The combination of the lever, H, yoke, H1. clutch, H2, radial arms with depression. D1, and the planel wheels, E, when constructed and arranged subfantially asset of the N, and N', in combination with the tongue, O bracket, P, and pipe, C'', when constructed and arranged substantially as set of the paragement the based of the transmitted arranged substantially as set Iclaim the revolving harrows, F F, secured to the lowerends of vertical shafts, D D, which are fitted losely in bars, A A, or any suitable framing, substantially as and for the purpose set forth, 24, The circumferential grooves, c, in the upper parts of the harrow shafts, D D, in combination with the pins, d, all arranged substantially as and for the purpose specified.

65,197.-CORN PLANTER.-D. S. Fisher, Cedar Spring, Ind. **105**,197.—CORN FLANTER.—D. S. FISHEF, Cettar Spring, Int. Ist, I claim the rotating shart, D, provided with pins.a, and the side, E, in combination with the reciprocating slide, F, spring, H, and the wheel, I, provided with one or more projections, r, altarrang cat to operate in the man-ner substantially as and for the purpose set forth. 24. The hoe, N, attached to the shart, L, in combination with the spring, O, and the wheel, I, provided with one or more projections, r, and the arm, g, on one end of shaft, L, all arranged to operate in the manner substantially as and for the purpose set forth.

as an ior the purpose set form.
65,198.—PLOW.—D. S. Fisher, Cedar Spring, Ind.
1st, I claim the rising and falling or adjustable plowbars, E F, one or more arranged with a lever or levers, C D, and having rotary coulters, J, attached all arranged substantially as and for the purpose set forth.
24, The spring catches, J\* one or more arranged with the bars, E F, and levers, C D, substantially as and for the purpose set forth.
34, Providing the coulter, J\*, with radial ribs, a, substantially as and for the purpose set forth.
65, 100, Dependence of the Coulter, J\*, with radial ribs, a, substantially as and for the purpose set forth.

65,199.—PROPELLING WHEELED CARRIAGES.—D. S. Fisher,

Coclar Spring, Ind. 1st, I claim the frame, A, with small frame, D, shaft, a, spring, E, cogs, d t, and axle, B', with Cocwbeel, b, all constructed, arranged and operating in the manner substantially as and for the parpose specified 2d. The segment, F, shaft, G, ratchet, I, lever, H, and bar, R, all con-structed and arranged for guiding the vehicle in the manner as set forth.

65,200.-Hydraulic Elevator.-Henry Flad and George

P. Herthel, Jr., St. Louis, Mo. 1st, We claim the combination of the cylinder, R., piston, b., sheaves, bi b2, and syster of pulleys, as arranged in relation, to the reservoir. C, or supply pipe, U, and its connecting pipe, d, substantially as shown and described. 2d, The arrangement with the foregoing of the secondary reservoir, C', substantially as and for the purposes shown and described.

65,201.-CARRIAGE SEAT.-Chester D. Flynt, Collinsville, I11.

into a revolving cylinder, heated from the inside and through the inside of which heated air is forced or driven. 4th, The machinery or apparatus for the concentration of cane juice and saccharine, and other solutions, and for the evaporation of inquics, consist-ing of shallow tray-in combination with revolving cylinders, all constructed and acting substantially in the manner described.

JUNE 15, 1867

65,207.—BURGLAR ALARM LOCK.—Auguste Leon Gennerat,

Paris, France. Ist, I claim the construction and arrangement of the piece, A, secured to the piece, B, of the handle lock, working in the hollowing of the partition stop piece, D, to which the hammer, G, is secured, having trunnions, D D', piece, C, upon the trunnion, D', working from K to H thereon, spring, F, stop pin, M, and bell, as herein set forth for the purpose specified. 2d, In combination with the above, I claim the adjustable swivel, T, whereby the ringing of the bell is prevented, as herein set iorth for the pur-pose specified.

65,208.—STEM-WINDING WATCH.—Fayette S. Giles, New York City.

I claim the toothed ring, C, in combination with the spur wheel, A, the spring barrel and the contrate wheel, c, attached to the winding stem or arbor, substantially as and for the purpose herein set forth. 65.209.-FENCE.-E. C. Gordon, Sevastopol, Ind.

I claim supporting and connecting the sections, A A, as constructed, by easy of the anchor, B, in the manner herein specificd and for the purposes set forth.

65,210.—GATE.—Gideon'S. Granger and William Northrop,

Wayland, N. Y. We claim hinging the central post, G, at or just above the surface of the ground, substantially as herein shown and described and for the purpose set forth.

65.211.-SEPARATING CHEESE CURD FROM WHEY.-Sylvester Greene, Rome, N. Y.

Iclaim in the manufacture of cheese the separating of the whey  $f_{T^{\circ}}$  m the curd, by means of a gradual pressure produced by a perforated pl e and either with or without a strainer, substantially as herein shown de scribed.

65,212.-PLOW AND COTTON SCRAPER.-J. V. Greif, Laducah, Ky.

Call, A.y. I claim the spur or projection, e, formed upon the share, C, and fitting into the slot or hole, f, of the mold beard, in combination with the bolt, g, sub-stantially as and for the purposespecified.

65,213.-BOAT-DETACHING TACKLE.-R. H. Griffith, Balti-

b),210.—Doal-Deriver more, Md. I claim the rock shaft or rod, A, on which the cams, e e, are secured, when connected with the two pulley blocks, C C, one at each end of the boat, in combination with the pivoted hocks, ff, constructed and operating substan-tially as and for the purpose set forth. Newell F. Guffin, Grovenors Cor-

ners, N. Y.

Lotan the combination of the poles, A, planted in double parallel rows, and the transverse inclined poles, D, interlocking the former to which they are attached by hoops or loops, C, and eyes, B, substantially as and for the purpose set forth. 65,215.—Apparatus for Tempering Steel Wire.—John

65,215.—APPARATUS FOR TEMPERING STEEL WIRE.—John Hallas, New York City.
 1st, claim in an apparatus for hardening and tempering wire, substan-tially of the character described, causing the wire, after it has passed through the heating pot in the furnace, or through the latter and oil or other bath, to be run or returned in its paragree through the tempering pot for aiter collec-tion or take up, to the same slice of the furnace from which the green wire was fed, substantially as specified.
 2d, The arrangement on or in connection with the same furnace in which is located the first or heating pot, B, of the tempering pot, F, having its tem-poses herein set forth.

65,216.—SAFETY BRIDLE.—S. B. Hartman, Millersville, Pa. I claim the employment or use of friction rollers, b, applied to the check straps, C, of the bridle, in combination with the bit, D, head strap, E, and reins, d, all arranzed substant sally as and for the purpose set forth. J further claim the elastic reins, e, in combination with the reins, d, check straps, C, and bit, B, all arranged and applied to the bridle, substantially as and for the purpose specified.

65,217.—SAWING MACHINE.—Henry Hassenpflug, Hunting-don, Pa., assignor to hsmself and Edward Hassenpflug. Iclaim the feed device, consisting of the weighted cord, 1, arranged in re-lation with the pawl, p, and ratchet bar, q, all made as described, and oper-ating so that the carriage shall be moved towards the saw, as herein set forth for the purpose specified.

65,218 .-- HARVESTER .-- B. G. H. Hathaway, Rock Stream,

forth. 4th, So arranging the braces uniting the cutter bar with the supporting frame of the machine as that they may oscillate upon and around the pipe, C", substantially as set forth. 5th, The combination of the lever, Q', arm, Q, bracket, P, and pipe, C", sub-stan tally as set forth.

65,219.-HARVESTER.-B. G. H. Hathaway and George M. Hathaway, Rock Stream, N. Y.
 Ist, We elaim the ground wheel, C, in combination with the planet wheels,
 D protect to its inner face, and a fixed gearing, H', communicating motion to a pluion, E, so arranged in combination with a detent that it can revolve only with the forward motion of the ground wheel, substantially as described.

only with the forward motion of the ground wheel, substantially as de-scribed. 2d, The combination with the planet wheel, D, plnion, E, detent, E', and rachet wheel, F, when said parts are respectively constructed and arranged substantially as set forth. 3d, The hemispherical case, H, when constructed with internal gearing, H', and having a collar by which it is attached to a rigid axle, so as to dispense with aframe, substantially as set forth. 4th, The combination with the ratchet wheel, F, bevel wheel, G, and collar, I, with its plns, I', yeke, I'', rod, I''', and lever, I''', substantially as and for the purpose set forth. 5th, The arrangement of the case, H, axle, B, tongue, A, brace, T, shoe, M, and frame, o, substantially as set forth. 6th, The combination of the wheel, R, arm, Q, frame, O, and lever, P, sald parts being respectively constructed and arranged as and for the purpose set forth. 65 2920 \_\_Ct umorg \_\_Albert Heft, and Carlon Hall Adame'

65,220.—CLUTCH.—Albert Heth and Gaylon Hall, Adams

We claim a clutch for suspending hay forks and other articles, said clutch consisting of a frame, A, provided with adjustable sliding brace, i, and re-volving pointed pins, f and h, and with as wivel hook, e, all made and operat-ing substantially as herein shown and described.

65,221.-GOVERNOR.-Charles Hindle, Brooklyn, N. Y. An-

te dated May 16, 1867. Iclaim the tension spring, j, and regulating screw, l, in combination with the governor, B, and valve, C, in the pump barrol, A, arranged substantially as and for the purpose set forth.

N. Y.

1867.	65,201.—CARRIAGE SEAT.—Chester D. Flynt, Collinsville,	as and for the purpose set forth.
1st, We claim the ring nut, c, for connecting the conical compressing shells, b h, in a shaft coupling, in the manner and for the purposes specified. 2d, We claim the slows, a, compressing shells, b J, and ring nut, c, of a shaft coupling, combined and operated in the manner and for the purpose	III.	65,222.—BEDSTEAD.—Jacob Hoert, New York City. I claim the arrangement and combination of the toggle braces, H D, legs, e, and frame, B, with the dexible bottom, A, constructed and operating sub-
set forth.	65,202.—PROPELLER.—F. G. Fowler, Springfield, Ill.	stantially as and for the purpose described.
65,184.—BASE BURNING STOVE.—William C. Durant, West Troy, N. Y.	Ist, I claim the eccentric, e, in combination with the blacks, a", hung on pivots placed on their vertical central line, and revolving in the manner and ior the purpose substantially as described.	65,223.—Roller FOR FLOOR CLOTH. — Robert Hoskin, Brooklyn, N. Y.
I claim a fuel reservoir of "base burnin g" stoves, having a series of hori- zontal apertures of openings, a a a, formed in and through its sides, said se- ries of openings or apertures extending in succession from its base part up-	24, The chain wheels, 1", and chain, r', or their equivalents, in combina- tion with the eccentric, e, and blades, a", arranged in the manner and for the purposes substantially as shown.	I claim a roller, which is constructed substantially as described, for re- ceiving cloth upon it for drying, so that the surfaces of the cloth are kept separate.
ward to its top part, in manner substantially as herein described and for the purpose set forth.	65,203MEDICAL COMPOUND FOR TREATING RINGBONE,	65,224MACHINE FOR WASHING LEATHER Adolphus
Also, in combination with said series of apertures or openings, a a a, and respectively with each other. I claim a series of deflector plates or bands. G.	SPAVIN, ETC., IN HORSES.—Abel M. French, Burton, Ohio.	Howard, Wellsville, N. Y., and George F. Howard, Chi- cago, Ill.
said series extending in alternate succession with said-spertures from the base part or bottom of the reservoir upward to its top, in manner substan- tially as herein fully set forth and for the purpose specified.	I claim the herein-described compound, formed of the ingredients named, and applied substantially as and for the purpose specified.	1st, We claim two or more revolving brushes, or their equivalents, for washing or removing the sediment from leather, for the purposes and sub- stantially as herein descr. bed.
65,185.—MACHINE FOR CUTTING PLATE.—J. W. Durgin (as- signor to E. Q. Norton and A. H. Norton), Bangor,	65,204.—BOUQUET HOLDER.—A. D. Frye, Jr., New York City.	24, In combination with the brushes, E E, the tanks, B B, or equivalents, for the purposes and substantially as hereinset forth.
Maine. I claim the cutting of slate for roofing purposes, composed of a knife of a shape corresponding to that in which it is designed to cut the slate, and piv- oted to the end of a b-dpicee of a form corresponding to that of the knife, and of such dimensions that the knife may work over it with a lever or	I claim the tube, A, formed in one or more parts, in combination with the reversible scroll, B, ether removably or sccurcly attached for the purpose of holding bouquets or handkerchiefs, substantially as herein shown and described.	65,225.—CARTRIDGE Box.—Charles Howlett, New York City, assignor to himself and William Freeborn. I claim a cartridge holder, formed of a series of strips or plates of suitabl material, with raise edges or grooves to clasp the base of a cartridge, whe
shown and described.	65,205.—APPARATUS FOR EVAPORATING AND CONCENTRAT- ING CANE JUICE AND OTHER LIQUIDS.—Alfred Fryer,	arranged in combination with a cartridge box, substantially as and for th purpose set forth.
65,186.—Composition for SOAP.—C. J. Eames and C. A. Seely, New York City.	Manchester, England.	65,226.—MOLDING MACHINE.—George S. Hudson, Ellisburgh N. Y.
We claim a disinfectant so\p compounded of the ingredients as above set forth.	lst, I claim treating cane juice and saccharine solutions and liquids, in or- der to obtain what I term "Fryer's Concrete" or sugar, in a non-crystalline or semi-crystalline state, by exposing it or them to heat in shallow trays, and	I claim the combination of the cutter shaft, D, the reciprocating frame, E and the walking beam, G, or the equivalents of them, or either or them, the
65,187.—ARTIFICIAL LEGS.—Jonathan Emery, Cedar Falls,	then to heat in a revolving cylinder, substantially in the manner herein set forth.	said combination being so arranged, substantially as described, that by its mode of operation the cutter shaft. D, and the cutter head, z, shall rise and fail while in motion to cut any required (d epth or cutve in wave or serpentine
Iowa.	2d, Treating solutions and liquids for evaporating and concentrating pur- poses, by exposing them to heat in shallow trays and then to heat in a re-	wood moldings.
I claim, 1st, The construction of the frame, D D, in the form shown in figure 5, of the irrawings, and so that i is applicable to the standard, b, on the steel sole plate, c, and will afford a baring forward of and in rear of the axis of	volving cylinder, asheretn set forth. 3d, Treating cane juice and saccharine and other solutions and liquids for evaporating and concentrating purposes by passing it of them through or	65,227.—Apparatus for Concentrating Sulphuric Acid and other Liquids.—John Hughes, Brooklyn, N. Y.,

assignor to himself and James R. Hitchcock, New York City.

City. Ist, I claim the flat pans, E or H, arranged in a furnace, substantially as hereinshown and described. 3d, The turnace, A, provided with a longitudinal chamber, B, and with the transverse plates. D or I, substantially for the purposes and in the man-ner herein shown and described. 3d, The manner herein shown and described of transferring the acid from one pan to another, either by spon's, e, and an inclined chamber, B, or by means of syphons, K K, substantially as herein shown and described. 4th, An apparatus for concentrating subpuric acid, made and operating subclantially as herein shown and described.

65,228.-CAR COUPLING.-R. H. Huston, Keokuk, Iowa 1st, I claim a draw head with a chamber, B, for receiving a catch head, G, of the form described, said chamber having its side wallsmade flaring so as to cause the escape of the catch head should a carleavethe track, substan-tially as described.

to cause the escape of the catch head shows our conjunction with a cham-tially as described. 2d. A yielding guide plate, C, or its equivalent, in conjunction with a cham-ber, B, of the form, substantially as described. 3d, The combination of the draw head, which has a laterally flaring cham-ber, B, and the coupling bar, G, with semi-cilipsoidal catch heads on its ends, substantially as and for the purposes described.

65,229.--LANTERN.-John H. Irwin, Chicago, Ill. Ist, I claim extending the top of the inner globe, F, above the holds, d, in the lantern top, substantially in the manner and for the purposes specifics. 2d. I claim supporting the said inner globe in such a manner that the off cup can be removed from the lantern without disturbing said globe, substan-tial the marging said specific states and states and specific states and sp

cup can be removed from the lantern when a specific. Sd, I class so constructing a lantern that the interior globe can be re moved from the lantern independently of the oil eup, substantially as de

65,230.-LAMP.-John H. Irwin, Chicago, Ill.

Ist, I claim, in combination with the lamp or its burner, the tube, D, or its equivalent, arranged and operating substantially as and for the purposes specified. specified. 2nd, I claim in combination with said tube, B, a cooler, E, arranged so as to operate substantially as described.

65,231.-RUBBER BOOT FOR HORSES.-Joseph H. Jennings,

Cambridgeport, Mass. I claim for the curative treatment of the hoofs and lower parts of the legs of horses, a rubber boot, constructed and ar ranged substantially as specified. 65,232.-WINDOW-SASH FASTENER.-Ezram Johnson, Joliet,

111

I claim the toothed wheel, F, in the recess, b2, of the casing, B, attached to the end of the shaft, E, cam, D, and toothed bar, G, when constructed, ar ranged, and operating as herein set for thirtor the purpose specified. 65,233.-MINCING KNIFE.-Stephen C. Ketchum, Winchen-

do, 200. — MINGING KNIFE. — Stepnen U. Ketchum, Winchendon, Mass.
1st, I claim a double-bladed chopping knife, the blades being so pivoted to the shank as to give a drawing cut at each stroke, substantially as described.
2d, I claim so hinging two or more blades or knives together, and supporting them in such aposition with springs, as to allow the cutting edges to conform to any suitable concave, or the curves of a chopping tray or bowl, as herein described.
2d, I claim the combination of the author blades.

as never described. Sd, iclaim the combination of the cutting blades, B B, fulcrum pins, d d, shank, A, springs, C C, with the bolt and thumb nut, D, operating in the manner herein described for the purpose set forth.

mannet neterin described for the purpose get forth.
65,234.—CHURN.—S. P. Kingsley, Springfield, Wis. First, I claim the arrangement of the dasher having cylinder, E, beveled arms, i i i, and wires, S, S, or their equivalents, when constructed and used in the manner and for the purposes specified. Second, The combination of the dasher as constructed with the churn box, A, when operating in the manner as set forth.

65,235.—MEDICAL COMPOUND.—Margaret Knotts, Carondelet

Mo. I claim the medical compound made substantially as and for the purpose escribed.

65,236.—Holder and Seat for Wagon Brakes.—Henry C.

Kochensperger, Thornville, Ohio. First, I claim the holder, A, constructed substantially as described, in combination with the orake bar, or its equivalent, as set forth. Second, The combination of the holder, A, and rubber, D, substantially as and for the purpose specified.

65,237.-Horse Hay Fork. -E. M. Krum, Nassau, N. Y

65,237.—HORSE HAY FORK.—E. M. Krum, Nassau, N. Y. First, I claim the construction as the curved tines, A A, with angular portions, a'A', and with jointing portions, a a, said these being connected together by means of a pivot, b, and toggie links, c c c d, the link, d, being constructed and operating in the manner shown all substantially in the manner and for the purpose set forth. Second, The arrangement of the cords, B B B, and line, g', in combination with the pivoted tines, A 'A', toggie links, c c c, and lever link, d, all in the manner and for the purpose described.

65,238.-FAUCET.-John Laing, Hoboken, N. J., assignor to

himself and George Nimmo. I claim a faucet formed with a pipe extending from the seat, i', of the disk valve, n across the water way, g, and receiving the spindle, i, of said valve, as and for the purposes set forth.

65,239.—BALE TIE.—Henry Lampson, London, England. I claim securing the ends of the band, a, together by passing the end, a', through the metalloop b, and turning the same back upon the inside of the said band the opposite end, a', passing through the loop, b', and through the loop, b, and turned back short over the outside of the loop, b, and inserted again in the loop, b', and the latter slipped up toward the loop, b, when all are arranged and operating substantially as herein shown and described.

65.240.—CHEMICAL FIRE ENGINE.—R. Lapham and G. Clark Jr., Boston, Mass.

off., DOSUM, MASS. First, We claim the admixing of chemicals forproducing carbonic acid gas, substantially as described and for the purpose set forth. Second, The use of plumps when they are employed for forcing upon the fire chemical solutions which when brought together produce carbonic acid

<sup>gas.</sup> 65,241.—TUBE WELL.— Cornelius H. Latham, Randolph

N. Y. I claim the arrangement of the slotted tube, A, with point, B, shrunk upon it when used in combination with the coupling, E, as constructed with valve box seat and the pump sections, D D, in the manner substantially as and for the purposes herein fully set forth.

65,242.-MACHINE FOR STRAIGHTENING BARS.-George Lau-

der, Pittsburgh, Pa. I claim the worm, F. and worm wheels, B and C, arranged relatively to the skewed straightening rolls, B C, and to the housing, A, or its equivalent, sub stantially as and for the purpose herein set forth,

65,243.—Revolving Tablet for Multiplying Photo-GRAPHIC PICTURES.—Jewett Lawrence, Ripon, Wis. I claim the revolving tablet G, the cross bar, C, and the standard, E, ar anged in the camera, as and for the purpose specified.

65,244. — MACHINE FOR STAMPING CLAY DOOR KNOBS. — George Lawton (assignor to George James), Trenton

N. J. N. J. First, I claim the arrangement and construction of the cams, D, whereby the dies, e, are operated three times in succession the said cams consisting of the parts, h i and k, all made and operating substantially as and for the purpose herein shown and described. Second, The device for raising the pushers, H, so as to lift the stamped articles out of the matrices, c, the said devices consisting of the cams, o, levers, n, and rods, m, all made and operating substantially as herein shown and described. Third, The spring, s, when arranged as herein shown and described for the purpose of depressing the pushers, H, as estsorth. Fourth, The device for forming the small horizontal holes at the bottom of the shank holes in door knobs. said device consisting of the pins, p, tubes, H,

OG,020.—APPARATUS FOR TANNING.—A. SLEEPS (assignor to the American Tanning Co.), New York City. First, I claim expressing the exhausted tanning liquor from hides or skins, substantially as herein shown and described, without the use of rollers. Second, The metallic frame or frames, D, with their wire and cloth for keeping the hides or skins distended while using tanned, substantially as herein shown and described. Third, Placing the hides or skins between two cloths during the process of tanning, substantially as herein shown and described and for the pu. pose set forth. Fourth, Having the hides or skins attached to the frames, D, suspended in 65,268.—MACHINE FOR RUBBING AND MIXING PAINTS, CHEMICALS, ETC.—Robert Poole, Baltimore, Md. forth. Having the hides or skins attached to the frames, D, suspended in the vat by the ropes, f', and springs, n, substantially as herein shown and de-scrabed and for the purpose set forth. Fifth, The combination of the rammers, B, with the vat, A, substantially as herein shown and described, so as to produce a reciprocating action upon the skins or hides. Sixth, The use of press platens, immersed in fluid, buoyantly adjusted and operating wit hout friction, substantially as herein shown and described. Seventh, The combination of spring platens or plates, I, rammers, B, vat, A, and frames, D, or their substantial equivalents, with each other, substan-tially as herein shown and described, and for the purpose set forth. CHEMICALS, ETC.—KODERT FOOIE, BaltIMORE, M.C. I claim a pan or other suitable holding vessel, revolving around its support and a series of rollers or mixers in said pan, revolving around their and a different support, and in the same direction with the pan, substantially as described. I also claim in combination with a revolving pan and stirrers, a scraper which when let down in the pan will guide and direct the mixed or rubbed material to a central discharge opening in the bottom of the pan, substan-tially as described. the shank holes in door knobs, said device consisting of the pins, p, tubes, H springs, q, and pins, r, all made and operating substantially as herein shown and described. 65,245.—Rose Engine Lathe.—Thomas Lippiatt, New York City. First, I claim the swinging frame, K, suspended from the sliding stock, r, and furnished with the tracing pin, u, in combination with the pattern, E, and sliding tool box, I, substantially as herein, set forth for the purpose specified. Second, The sliding frame, C, main frame, A, and adjustable frame, D. 65,269.—METHOD OF RAISING AND LEVELING RAILROAD RAILS.—S. L. Porter (assignor to himself and W. F. specified. Second, The sliding frame, C, main frame, A, and adjustable frame, D, combined and arranged m relation with each other and with the tool box, I, swinging frame, K, and pattern E, substantially as herein set forth for the purpose specified. 65,293.—SHAFT COUPLING.—John Stephen, Womelsdorf, Pa. Eaton, Rochelle, III. I claim the bed plate, A, and the slide plate, B, combined with a graduated fulcrum for leveling railroad tracks, constructed and operating substantially as here in described. I claim the bar, B, provided with grooves, and the rubber, c c, when used in combination with the barrel, D, and when constructed in the manner sub stantially as and for the purposes specified. 65,246.—FASTENINGS FOR CORSETS.—James P. Love, New 65,294.-PEGGING MACHINE. - Edgar M. Stevens, Boston, York City. First, I claim the manner herein shown and described of securing the steels, b b, in corsets by means of flaps, a and c, and hooks, d, and eyelets or button holes, e, all made and operating substantially as and for the pur-poses berein shown and described. 65,270.-Box for Putting up Tooth Power.-Edmond Mass. assignor to William N. Ely, Stratford, Ct. First, I claim the combination of a vibrating moving awl, with a sliding or vertically moving head, substantially as described. Secon 4. Combination of the feeding awl with the sliding and swinging head, substantially as set fort<sup>b</sup> Queru, New York City. First, I claim the toilet box, constructed of the material and in the manner substantially as herein set forth. Second, I claim securing the cutter thereon by the fibrous hinge, I JK, and seal, LMN, substantially as and for the purpose herein set forth. Second, The fastenings, fand g, in combination with the flaps, a and c, and steels, b, 'hoo's, d, and evelets or holes, e, all made and operating substantially as herein showh and described. head, su bstantially as set fort<sup>b</sup>
65,295.—STEAM GENERATOR.—Francis A. Stevens, Chicago, III. Antedated May 22, 1867.
First. I claim the ash pan, C, having the short tubes, c, in the sides arranged as her eln specified, relatively to the permancally fixed pipes, D, and noz-zles, d, discharging steam from the boiler into the tubes, c, as specified, and noz-tles, d, discharging steam from the boiler into the tubes, c, as specified, and noz-tles, d, ischarging steam for the boiler into the tubes, c, as specified, and allowing the sab pan to be connected and disconnected without disturbing the steam connection.
Sec nd, I claim the steam jets, d, blowing into the ash puriot the locomo-tive, arranged with r-ference to the exhaust reservoir, H, and the ring of jets, J, for facilitating the exit of the gases, substantially as and for the pur-pose herein specified.
Third, I claim the exhaust reservoir, H, made to correspond in form with and mounted in the interior of the smoke stack, I, so as to discharge the the steam from the ring of jets, J, and urge upward the gases in the space between the two conlead casings in the stack, in the manner and for the pur-posesubstantially as here in specified. 65.271.-HORSE RAKE.-Joseph S. Randall, Grand Rapids, 65,247.—SHOE SOLE.—Charles B. Loveland, Elizabethport, N. J.
First, I claim the movable metalplate, B, with the continuous bent lip., for clasping the sole, a, by means of the screws and fanged nuts, m, as and for the purpose described.
65,248.—MACHINE FOR CUTTING STUBS.—Warren Lyon, New York City.
I claim the operating of the pivoted plate, E, through the medium of the 65,247.-SHOE SOLE.-Charles B. Loveland, Elizabethport It. d. First, I claim the movable metal plate, B, with the continuous bent lip, c, for clasping the sole, d, and having the balf sole, b, attached thereto and fastened to the sole, a, by means of the screws and finged nuts, m, as and for the purpose herein described. Second, The adjustable metal lift, e, with front and rear set off with the tap, g, employed and in attened to the heel of a shoe by means of the screws, d s, fitting into the flanged nuts, n o, as and for the purpose herein specified, 65,248.—MACHINE FOR CUTTING STUBS.—Warren Lyon, New

segment rack, F, and pinion, C, whensaid plate, E, has a cutting plate, c, at-tached and is used in connection with a similar cutting plate, d, on a "xea standa: d or plate, A, to which the plate, E, is pivoted, all arranged substan-tially as and for the purpose specified. The combination of devices composing the gage, arranged substantially as and for the purpose set forth.

65,249.—PORTABLE HAY PRESS.—Jacob Mauck, Cheshire,

I claim a bay press having capstand, A, ropes, a and b, pulleys, c and d. clevis, I, pins, 2 and 3, carriage, C, stirrups, F, hooks, g g, and braces, f, con-structed, combined and operating substantially as herein specified.

65,250.—BUTTON.—George W. McGill, Washington, D. C. I claim the double or split metal shank for a button herein described in combination with a metal washer, constructed and applied substantially as described.

65,251.-SAWING MACHINE.-R. M. McGrath, Lafayette, Ind.,

assignor to himself and J. H. Gallagher. I claim the arrangement of the lever, y', pulley z, and its cord, x, and the lever, i', for placing within the control of the operator the management of the sawing and feeding devices of the machine, 65.252.-PADDLE WHEEL.-Alexander McKenzie (assignor

to himself and William C. Davis), Newport, Kv. I claim the arrangement of inclined blades or buckets, G, radial arms, B, ob ique secondary arms, C, and brace rings, E, substantially as and for the purpose set forth.

65,253.—CALIPER.—G. L. McKnight, Worcester, Mass. First, I claim the combination with the slotted standard or screw, B, of the screw, D, for holding the adjusting nut, C, substantially as described. Second, The combination with the upper part of the body or part, A, of the spring, E, substantially as and for the purposes set forth.

65,254.-STEAM SAFETY VALVE.-E. Meggenhofen, Frankfort-on-the-Maine, Germany, administratrix of the estate

of Edward Meggenhofer, deceased. I claim the arrangement of the bell crank lever, C, connecting rod, D, with reference to the spring balance, A, constructed substantially as and for the purpose set forth.

65,255.-MODE OF BRACING AND STAYING BOATS.-F. Mer-

tens, Cumberland, Md. I claim the arrangement of the braces, E and F, and the cross ties, G, when censtructed and com bined with the tightening rods, H, as herein described and for the purpose set forth.

65,256.-Compound for Cure of Hog Cholera.-John H.

Mesler, Symme's Corner, Ohio. claim a compound for the prevention and cure of hog cholera, made of ingredients set forth. I cla 65,257. — CARRIAGE WHEEL. — William F. Morton, New

Haven, Conn. I claim the double collar with its bars and flanges all cast in one piece, when the double collar is fitted to bind the hub and the flanges to support the spokes, substantially as herein described and set forth. William Mular Bridgeport

65,258.—Roofing Material.—William Myler, Bridgeport,

Obio, assignor to George W. Johnson, Wheeling, W. Va. The combination of coal tar, pine tar, soap stone, ochre, or other oxide, and hydraulic cement, substantially as specified. 65,259.-BOTTLE STOPPER.-Joseph Nathan, Washington,

D. C. First, I claim the screw, E, the lower part of its shank being made smooth, abstantially as and for the purpose described. Second, The blocks, b, on the wire, B, constructed and arranged substan-blocks c, woke, C, screw, E, with

Third, The combination of the wire, B, blocks, c, yoke, C, screw, E, with the lower part of its shank, made smooth and stopper, ig, substantially as and for the purpose described.

65,260.—TRUNK LOCK,—Joseph Nock, Washington, D. C. First, Iclaim the use of the crooked lever, E, or its equivalent, in com-bination with the tumblers, F, more or less in number, and the bolt, D, ar-ranged substantially as described and shown, Second, I claim the spindle, m, with the spring, n, when inserted and con-fined in the hasp, substantially as described and for the purposes set forth.

65,261.—TRUNK LOCK.—Joseph Nock. Washington, D. C. Iclaim a series of spring tumblers, E, and levers, d, so arranged and com-bined that the key shall act directly upon a portion of said tumblers to re-lease them from the staple and at the same time shall act on the levers, d, causing them to act upon and release either of the tumblers, in the manner substantially as described.

65,262.—PORTABLE CAMP BED.—Prince Nicholas Ouroussoff,

St. Petersburg, Russia. I claim making the bed in sections filled with cork dust, or its equivalent and furnished with a pocket, d, and flap sheet or covering, e, all substantially as and for the purpose described.

65,263.-STUMP EXTRACTOR.-Isaac Pardee, Vineland, N. J and R. C. Parvin, Forest Grove, N. J., assignors to R.

C. Parvin. I claim the pawis, G G, resting upon the ledge, a, of the socket, E, with ther lower inner corners rounded as shown at b, so that their upper ends will fail by their own gravity against the ratchet bars, F, and engaged there-with, when constructed and arranged as herein shown and described.

65,264.-LOCOMOTIVE PILOT.-B. F. Partridge, Jr., Columbus,

Ky. I claim the horizontal revolving disks, d d d, having their peripheries serrated, pivoted to the under side of the bottom plates, a a, in combination therewith and with the pulot frame, A, and inclined rollers, c, substantially as herem described for the purpose specified.

65,265.-HORSE SHOE MACHINE.-Charles H. Perkins and

Richard W. Comstock, Providence, R. I. I claim the combination in a machine for making horse shoes of the fol-lowing instrumentalities, a rotary hammer, B, silding anvil, E, or equivalent apparatus for supporting the shoe blank and the gripping tongs, L, arranged relatively to each other and operating substantially as described for the purposes specified.

65,266.—Preparation of Palm Leaf Warp and Woof for WEAVING.—Franklin Perrin, Cambridge, Mass. I claim the employment of a lizature in the preparation of palm leaf strips substantially as set forth.

65,267.— Plastic Compound Made from Vegetable

FIBERS.—W. H Pierson, New Orleans, La. First, I claim the formation of articles of manufacture, resembling stone, wood, whatebone, shell, horn and other rigid or elasticarticles, out of plastic, or semi-soluble pyroxyline, prepared substantially in the manner and for the purposes herein set forth. Second, I claim the combination of plastic as above described with vegeta-ble or any other foreign matter, substantially in the manner for the purpose set forth.

Second, I that the second seco

First, i also claims mattaching basic, substantially as and for the purposes set forth. Fourth, I claim the combination of plastic, with drying oils, for water-proofing, and transparences and other purposes. Fifth, i also claim combining plastic with metals, and various metallic substances in the ulverulent state, substantially as described. Sixth, I also claim attaching by means of plastic, fur, plash or other short fiber, to any suitable surface, so as to give a fur-like surface, substantially as set forth.

fiber, to any suitable surface, so as to give a surface and set forth. Seventh, I also claim forming a compound for painting and coloring and other purposes by admitter of plastic and solvents, with paints, oils, dye-stuffs and other coloring matter.

65,272.-SLEEPING CAR.-J. Wyatt Reid, New York City. First, I claim the bed, D, suspended by chains, a, horizontal shaft, d, pro-vided with ratchet and pawls, hooks, i i, and s s, when constructed and ar-ranged within the sleeping car, substantially as herein set forth and for the purpose specified.

385

65.273. PORTABLE SHELF. Benjamin F, Rice, Boston, Mass.

I claim the pivoted or jointed parts, i d, and g k, in combination with a portable shelf or receptacle, as a new article of manufacture.

65,274.-HANGER FOR SHAFTING .- John Richards, Cincinnati, Ohio.

I claim a hanger for shafting constructed with the pivoted box support, Y and its means of adjustment, operating substantially in the manner and for the purpose herein set forth.

65,275.—PROCESS OF CHILLING OIL AND FAT.—J. E. Richardson, New York City. I claim the method of chilling oil substantially as herein set forth so that the ice is brought in direct contact with the lard in the manner specified.

65,276.-TUBE WELL.-John W. Ricker, Chelsea, Mass.

I claim in combination with the induction well tube, a coiled spring ar ranged to operate substantially as and for the purpose set forth. Also in combination with a well tube, the concave surfaces and triangular pointed drill, substantially as set forth.

65,277.—MODE OF SECURING THE TINES OF FORKS AND RAKES TO THEIR HANDLES.—J. P. W. Riley, Montrose,

Pa. Pa. First, I claim making the times of a hay fork in two parts, which are scarfed in a mortise in the handle or ferrule and secured in postion by means of keys or wedges, substantially as herein shown and described. Second, In combination with the double times, C C, I claim the double times, D D, which when inserted in the handle in the manner specified will convert the device into a manure fork, and can be removed whenever de-sired, substantially as herein shown and described.

65,278.—CORN PLANTER.—Benjamin F. Robertson, Cap. au

Gris, Mo. I claim the employment of the partition, D, for the purpose of dividing and scattering the seed, substantially as described and set forth.

65,279.-FRUIT PICKER.-Oliver P. Rogers (assignor to him-

self and D. S. Barlett, Roxbury, Mass. I claim a device for picking fruit, constructed in the manner substantially is herein shown and described. 65,280.—STEAM GENERATOR.—Robert P. Rogers and James

55,250.—STEAM GENERATOR.—RODERT F. Rogers and James Black, Philadelphia, Pa. We claim, First, The beyeled enlargement, a, of the boiler in combination with the curved or bowed tubes. B. for the circulation of the water, said tubes being attached at their upper ends to said enlargement, a, and at their lower ends directly to the body of the boiler in the manner and for the purpose ubstantially as shown and described. Second, The construction of the tubes, B, with a continuous curve from one connection to the other of boiler, substantially as herein set forth. Third, The screw nuts in combination with the outside circulating tubes and theshell of the boiler one at each end, substantially as herein set forth.

65,281.—STEAM GENERATOR.—Robert E. Rogers and James Black, Philadelphia, Pa. We claim, First, The combination of the boiler, A, having the beveled enlargement, a, with the exterior curved tubes, B, for the circulation of the water and the flue tubes, C, in the manner and for the purposes substantially as described.

65,282.-WASHING MACHINE.-Robert Rooke, Empire City,

Oregon. I claim the founders, A, in combination with a rotary tub, C. placed within a fixed tub, A, and all arranged to operate substantially in the manner as and for the purpose herein set forth.

65.283.-DEVICE FOR SUSPENDING HAY FORKS.-W. S. Salisbury, Adams Center, N. Y. I claim the two arms, A, pivoted together at one end and provided with points, E, at the other, in combination with the ratchet and spring pawl, sub-stantially as and for the purpose described.

I claim the portable sections, A, as constructed, when used in combination with the stays, g g, blocks, b, and studs, in the manner and for the purposes

65,285. - LANTERN. - Hugh Sangster (assignor to Horace DOLADO - LANTERN. - HUGN Sangster (assignor to Horace Parmalee and William H. Bonnell), Buffalo, N. Y. I claim, First, The combination of the springs. I L catches, J J, and rim, G, with the apertures, it, as and for the purposes herein substantially set forth and described. Second, The springs, when constructed of the parts, P P, as shown in fig. 5, and put together as described.

65,286.-HEATING ATTACHMENT FOR OIL LAMPS.-Egbert O.

Schartan, Philadelphia, Pa. I claim the chamber, P, with the kettle, J, with the lower half of the joint-ed glass chimney, when arranged, used, and combined as herein described and for the purposes set forth.

65,287.-LIFE PRESERVER.-Jehyleman Shaw, Bridgeport,

CI. I claim the life preserver, constructed as described, consisting of the water and food receptacles, D E, attached to the portion, A, the water receptacle, D, provided with the air tube, G, and drinking tube, F, the lood receptacle provided with the opening, H, closed with the plug, I, and the elastic bag, J, substantially as described for the purp ose specified.

65,288.—PILL MACHINE.—Joseph H. Shaw, Saco, Me. I claim the combination of the two curvilinear grooved plates, a a', united and operated by the two radial arms, c d, the plate, a, moving upon the sta-tionary plate, a', and having for its axis the bolt, f, all as and for the purposes specified.

specified. 65,289.—GRATE BAR.—Joseph Sherman, Burlington, N. J. First, I claim the horizontal tubular grate bars, A, open at B, and construct-ed with small orifices, a a, for the escape of the air on the three sides nearest the fore, and also with an opening, C, at or near the rear end, substantially as and for the purpose of torth. Second, Venthated grate bars, constructed with a vertical tubular and per forated extension, D, of the horizontal tubular portion of the bars, A, sub-stantially as described,

65,290.--RESERVOIR DAMPING BRUSH.-Walter Shriver, New

I claim, as a new article of manufacture, a reservoir damping brush for wetting baper for copying letters, arranged and constructed substantially as and for the purpose described.

65,291.-CAP FOR SPINNING MACHINES.-Joseph Smith, Loth,

I claim the adjustable ring, B, in combination with the cap, A, and spool or bob bin, C, constructed and operating substantially as and for the purpose specified.

65,292.—APPARATUS FOR TANNING.—A. Steers (assignor to

65.284.—FENCE.—J. W. Sanders, Ripon, Wis.

specified.

Ct.

York City.

Belgium.

65,296.-- APPARATUS FOR CARBURETING AIR.-- Levi Stevens, Fitchburg, Mass., assignor to Norman C. Munson, Shir

386

FIGHTURG, MASS., ASSIGNOF TO NORMAN C. MUNSON, Shir-ley, Mass. I claim the combination of an air-exhausting apparatus with the vaporizer, separate or distinct, in such manner that air may be drawn through the va-porizer and with the hydrocarbon vapors thereof, be drawn out of such va-porizer and into such exhausting apparatus, the whole being substantially as described.

Provided and into such exhausting apparatus, the whole being substantially as described. I also claim the arrangement and connection of the air pumping apparatus and the vaporizer separate or distinct, in such manner that the hydro-carbon fluid may pass freely from one into the other of them, so as to stand at one level in both, and so that the wheel of the pumping apparatus while in rotation may revolve in such liquid as specified. I also claim the combination of the fluid elevator and its operative mechanism, or their equivalents, with the tank, k, the vaporizer, and the air pumping apparatus. I also claim the combination of the wire gauze disseminator, k l, with the perforated distributor, i, and the series of inclined plates or evaporating surfaces arranged beneath the same as specified. I also claim the combination of one or more plates, m n o, and clothes, p p, arranged together in the vaporizer, m manner and so as to operate as set forth.

forth. I also claim the combination of the tortuous passage; G, at the lower part of the vaporizer, with the series of perforated plates, m n o, covered with layers of cloth as explained. I also claim the arrangement of the tank, E, with the vaporizer and the arr pumping apparatus, such tank being made to communicate with the vapor-izer by means of an overflow pipe, x, leading up into the vaporizer, as meeting.

Jacr by means of an overflow pipe, x, teaming up in specified. 1 also claim the peculiar valve apparatus at the top of the vaporizer, the same consisting of the tube, e, the box, 1, the holes, g, and the annular valve, h, arranged together as described. I also claim the combination of the fluid elevator and its operative mech-anism, or their equivalents, with the vaporizer, arranged substantially as de-combined

anism, or her equivalents, which the vaporizer, arrange a dubtaniarly as ac-scribed. I also claim the fluid elevator, or its equivalent, so arranged as automati-cally to elevate the carbureting liquid to the top or upper part of the vapor-izer, substantially as described.

65,297 .-- DRAFT EQUALIZER FOR HORSE-POWERS .-- Archibald

Stewart, Troy, Wis. I claim the combination of the tumbling rod, A, outer cylinder, B, colled spring, E, interior cylinder or roller, C, and rod, D, with each other, substan-tially as herein shown and described and for the purpose set forth

65,298.—Apparatus for Removing Water from the

OU,GUO, —AFFARATUS FOR KEMOVING WATER FROM THE HOLDS OF VESSELS.—H. L. Stibbs, Savannah, Ga. First, Iclaim the combination of the horizontal pipe, C, bent outlet pipe, D, and cone-shaped bottomless cup, E, with each other, substantially as here-in shown and described and for the purpose setforth. Second, The combination of the shaft, G, and crank arms, F and H, with the pipe, D, and bottomless cup, E, substantially as herein shown and described and for the purpose set forth. 65,299.-CLOTHES SPRINKLER.-E. B. Taylor, South Sudbury,

Mass.

HIRSS. I claim the reservor, A, with its pipe, B, having extension flexible tube, C, terminating in a perforated head or cap, provided with a lever, when all constructed and arranged together substantially as and for the purpose de-scribed.

65,300.-MACHINE FOR SIZING HATS, ETC.-James S. Taylor,

(5),300.--MACHINE FOR SIZING FIATS, ETC.--Dames IS. Laytor, Danbury Conn.
 First, I claim the diagonal vibrating felter, 6, constructed and operating substanially as and for the purposes set forth.
 Second, The mode herein described of imparting motion to the roll of goods by means of the felter, G, cranks, N, pitmans, L, and swings, H.
 Third, The combination and arrangeme to f screws, K, sliding nuts, I, and swings, H, substantially as described, for the purpose of regulating the press-ure of the felter.
 Fourth, The felter, G, in combination with two or more rollers, C, substan-ticily as and for the purposes of forth.

tially as and for the purposes set forth 65,301.—Compound for Coating Oilcloths, etc.—John L.

Tenney and John W. Bailey, Skowhegan, Me. We claim the use of ground state and clay when compounded in or about the proportions set forth and used in the manner and for the purpose de-scribed.

65,302.-MEDICAL COMPOUND.-James P. and Lemuel Thur-

mon, Warrenton, Mo.

We claim the improved medical composition produced substantially with the ingredients mixed together in or about the proportions stated, in combi-nation and in mixture with the medical compound herein referred to.

65,303 .- Wood Splitting Machine.- Leonard Tilton,

65,303.—WOOD SPLITTING MACHINE.—LCOHard Tilton, Brooklyn, E. D., N. Y. First, I claim the two reciprocating cutters, G G1, of V form, placed one above the other in reverse positions and the lower cutter, G1, in advance of the upper one, G, substantially as and for the purpose set forth. Second, The hopper, H, in combination with the cutters, G G1, and the holder, K, substantially as and for the purpose set forth. Third, Operating the holder, K, from the shide, F, to which the cutters are attached by means of the rod, L, connected with the slide as shown, and the spring, N, as set forth. Fourth, Constructing the hopper, H, of the vertical parts, f', one of which, f is adjustable for the purpose of adapting the hopper to suit the length of the sticks to be split, as shown and described.

65.304 .- DEVICE FOR TRANSMITTING MOTION.- Leonard Tilton, Brooklyn, N. Y.

total, involution,  $J_{11}$ ,  $J_{12}$ ,  $J_{12$ 

65,305 .-- CLOTHES DRYER.--S. H. Titus, Pennington, N. J. I claim the combination and construction of a clothes horse having the cross standards, A B and C D, parallel arms  $E \neq G \amalg E$  and  $F \oplus F$ , roller, I L, and belts, M M, ratchet N, spring catchet, P, and blumb head,  $\bigoplus$ , with the clothes bars. K K k, substantially as above described and for the purposes herein set forth.

65,306 .-- FINISHING IRON WORK OF PLOWS, STOVES, PIPES

UDJOU--FINISHING IRON WORK OF FLOWS, STOVES, FIPES, LEVEES, DAMS, ETC.--S. P. TOWNSEND, Union Co., N. J. First, Iclaim the finishing of plows, iron work for levees, dams, etc. pil-ing, and other iron and steel work known mentioned, substantially as de-scribed and for the purpose set forth. Second, The restoration to good condition by the means described of iron and steel work which has been damaged by oxidation or corrosion. Third, Anew article of sheet piling made substantially as described and for the purpose set forth.

the purpose set forth. 65,307.—HOISTING MACHINE.—J. W. Tucker, New York City. First, Iclaim the arrangement of the pulleys, d ef, and bifurcated chains, r, in relation with each other and with the platform, C. and winding drums, E. substantially as herein set forth for the purpose specified. Substantially as and for the purpose set forth. Third, The friction brake, K, and pulley, I, arranged with reference to each ther platform, C, substantially as herein better discrime which operates to raise the platform, C, substantially as herein described for the purpose specified.

65.308.--WOOD PLANING MACHINE.--Wm. Tucker, Paris, Ill. Iclaim the arrangement of the double catter head, B, and friction pullies, K LL', capable of being: simultaneously shifted for right or left hand cutting, substantially as set forth.

65,309.-BRAIDING MACHINE.-William Tunstill, Paterson

65.314.— PHOTOGRAPHIC CAMERAS. — George W. Venner.

OD, 012. — FHOTOGRAFHIC CAMERAS. — GEORGE W. Velher, Charlestown, Mass. Antedated May 15, 1867. First, telaim the compound silling frame, M and J, made substantially as described and for the purpose set forth. Second, The method to operating the said sliding frames, M and J, by means of the bar, H, oller, I, caps, c c, or their mechanical equivalent and the lower part of the adjusting board, C. Third, The folding screws, d d', substantially as described and for the pur-pose set forth.

65,215.-BUTTER WORKER.-S. H. Wade, Montgomery Center, Vt.

ter,  $\forall$  t. First, i claim the combination of the pressers, E. sliting beam, G, and operating levers, H and J, with each other and with the frameof the machine, substantially as here in shown and described and for the purpose set forth. Second, The combination of the pivoted table, D, and sliting frame, B, with each other and with the frame of the machine, substantially as herein shown and described and for the purpose set forth.

65,316.—DEVICE FOR UNLOADING AND STACKING HAY.—Wil-

liam R. Waldron, Webster, Mich. I claim the combination of the poles, pullies, rope and anchorage when ar-ranged substantially as herein described and for the purposes herein set forth.

65,317.-CARRIAGE SHACKLE.-F. M. Weller, Evanston, Ill. Antedated May 16, 1867. I claim the carriage shackle constructed and operating substantially as described and specified.

65,318.-CAR SEAT.-Jesse S. Wheat, South Wheeling, W.

Va.

First, Iclaim the cross head arms D, and slotted links c, in combination with the back of the seat C, and the cness A, arganged and operating sub-stantially as and for the purposes herein described. Second, The double inclined racks F, in combination with the guide plates c, arranged and operating as and for the purposes specified.

65,319.-MACHINE FOR CLEANING FLAX.---W. W. Whiddit.-Richmond, Ind.

FIGHMONIC, 100. First, I claim constructing a machine for cleaning flax, etc., with a door L, or its equivalent by which said machine is closed and the material confined until cleaned substantially as set forth. Second, The octogonal shaped cylinder I, having flanged ends substantially as specified. Third, The reversible hopper B, operating on journals substantially as specified.

First, The reversive hopper B, operating on join and substantially as Forth. The arrangement and joint operation of hopper B, and door L, sub-First, Leose pully c, provided with pin n, and lug o, or their equivalents, wheel D, either with or without teeth, provided with cam S, the latter either permanently attached or adjustable, in combination with slide P, detent T, and device W, all arranged substantially as set forth and for the purposes specified

65,320.—APPARATUS FOR COOLING LIQUIDS ON DRAUGHT.— Edward Whyte, Philadelphia, Pa. I claim a cooler covered with felt ice-chamber, as described, opening a block B, and cylinders C, constructed and operating substantially as speci-ied.

65.321.-Composition 'to be used as Putty for Stone

WORK.-John R. William, Taunton, Mass. I claim the improved composition of matter herein described for the pur-pose specified.

65,322.-LAMP BURNER-John B. Wortham, Huntsville, Ala.

1st, I claim the ventilating collar or cylinder, c, constructed and operated and for the purposes substantially as herein set forth. 24. In combination with the cylinder, c, the toothcd edge of the plate, b, or

its equivalent. 3d, The plates, i and j, for holding the cap open, as described.

65,323.—TANNING.—Francis H. Wright (assignor to himself,

William C. Slade, and B. M. Fratt), Richmond, Ind. I claim the use of the proportion of ingredients named in formuz A and B, and the manner of applying the same to hides, furs, and skins, for the pur-pose of tanning the same rapidly and effectually.

64,324.-CORN HARVESTER.-John Wright and J. J. John-

64,324.—CORN HARVESTER.—John Wright and J. J. Johnson, Cold Water, Mich.
1st, We claim the arrangement of the knives. B B, with couble or oblique motion, operated with slotted guides, or their equivalent, in combination with the stationary knives, A A, substantially in the manner and for the purposes herein set forth.
2d, The tilting platform, K, in combination with the stationary platforms, F F, the spring curved arms, M M, and spring catch, L, or its equivalent, substantially in the manner and for the purpose as herein described.

65,325.—MACHINE FOR CUTTING OFF CIGARS.—P. Zern and W. Warwick, Pittsburg, Pa. We claim the combination of the upright. B, with opening C, and plate, E, having similar openings, when the two are arranged and combined together substantially as and for the purpose described.

## REISSUES.

2,622.—MACHINE FOR MAKING SEINE NETS.—William C. Hooper & Sons, Baltimore, Md., assignees of Benjamin Arnold. Patented Sept. 23, 1862. Antedated Aug. 3, 1962 1860.

1860. First, we claim the arrangement and, combination substantially as described of the various implements employed in forming a loop, viz.; the bar, m', with the row of guides, c c, and the bars, l and o, with their pins. Second, We claim the bar y, with its double row or pins, for the purpose of holding the netting, as set forth and when constructed substantially as de-scribed

scribed the levers, d' cl' and V, forthe purpose et forth when constructed substantially as the levers, d' cl' and V, forthe purpose et forth when arranged sub-statially as described. Ath, We claim the carriage, j, with the rows of bars, a a, in combination with the raceways, S S, and thread carriers, a' a', when arranged substan-tially as described for the purpose set forth. Sti, We claim the toggle levers, H' H', for the purpose of drawing up the knot substantially as herein described. Sth, We claim a machine constructed and operating substantially as de-scribed herein for making nets or netting.

2,623 .-- PAQUE PIGMENT .-- D. L. Bartlett and G. H. Hunt,

2,025.— PAQUE FIGMENT.—D. L. Battlett and G. H. Hult, Baltimore, Md., assignees of Stuart Gwynn. Patented Dec. 19, 1865. Antedated Dec. 5, 1865. (Div. A.) We claim opaque pigments made from any article whose normal atoms or molecules or particles have been crushed by pressure after having been purified, substantially as herein set forth.

2,624.-MANUFACTURE OF OPAQUE PIEMENTS.-D. L. Bartlett and G. H. Hunt, Baltimore, Md., assignees of Stuart Gwynn. Patented Dec. 19, 1865. Antedated Dec. 5, (Div. B.) 1865. (Div. B.) We claim the process of manufacturing opaque pigments by crushing and pulverizing the normal atoms or molecules, substantially as herein described.

2,625.—HARVESTER.--J. W. Bope, St. Louis, Mo. Patented Jan. 17, 1865. First, Iclaim a tilting platform turning upon a pivot in rear of its forward

1,349.-SKYLIGHTS AND VERTILATERS, AND SHATT COUPLINGS FOR STEAM VESSELS.-Norman W. Wheeler, Brocklyn, N. Y. May 7, 1867.

phia, Pa.

Braintree, Mass.

Scientific American Patent Agency.-EDS.

2,627.-PICKER-STAFF MOTION FOR LOOMS.-The Amoskeag

[JUNE 15, 1867.

Manufacturing Company, Manchester, N. H., assignees of Nehemiah S. Bean. Patented Jan. 22, 1866.
 We claim the improved arrangement of the spring, f, with the support piece, e. Also the arrangement of the spring, f, with the support piece, e, the link, c, and the rocker, b, the whole being substantially asspecified.

2.628. -GENERATING GAS AND OBTAINING OTHER USEFUL

PRODUCTS FROM ANIMAL AND VEGETABLE MATERIALS —Thomas D. Ledyard, Toronto, Canada, assignee by mesne assignments of J. J. Ensley. Patented Aug. 28, 1866.

1866. I claim making a compound gas by the mixture in proper proportions of gas made from wood or other veget, ble matter with gas made from bones or other animal matter, substantially as and for the purpose herein specified. I also claim the combination or the perforated charge cylinder or vessel, d, open at the inner end and the horizontal close retort cylinder or camber, c, substaficially as and for the purpose herein specified. I also claim the vapor condensing vessels or chambers, k k, connected by the pipe, 11, and provided with discharge cocks, m, waen used in combi-nation with the inclosing water tank, B, substantially as described. I also claim the combination and arrangement of the task vessior cham-ber, q, and pipes, r, with the pipe, n, for the purpose of pumping oil the condensed water which gathers therein without admitting ar or allowing escape of gas, substantially as set orth.

2,629.—DESULPHURIZING COAL AND ORES.—Jacob J. Storer.

Boston, Mass. Patented April 9. 1861.

BOSTON, MASS. Patented April 9, 1801. First, I claim the process substantially as described of forcing into the interstices of coal containing sulphurons impurities by the pressure of steam and either dissolved in it or mechanically conveyed by it chemicals proper to neutralize the sulphurons impurities. Second, The employment of salts of ammonia forced by pressure of steam into the interstices of coals, as and for the purpose described.

2,630.—ATTACHING LABELS 'TO BOTTLES.—Elma E. Walton

ATTACHING LABELS 'TO BOTTLES.—Elma E. Walton Newark, N. J., assignee by mesne assignments of Wm. N. Walton. Patented Sept. 23, 1862. (Div. A.)
 First, I claimshaping the bottle whether in intaglio or in relievo so as to form a seat for and protect the label or inscription plate, substantially as and for the purposes set forth.
 Second, The arrangement of the lip or ridge, a, whether distinct from or forming a part of the recess or scat for the lab.] plate for preventing fluids, etc., entering or passing between the unscription plate and bottle, for the purposes set forth.

2,631.-BOTTLE FOR D.RUGGISTS AND CHEMISTS.--Elma E:

Walton, Newark, N. J., assignee by mesne assignments of Wm. N. Walton. Patented Sept. 23, 1862. (Div. B.) I claim a bottle formed with a recess or seat for a label whether in intaglio or in relievo and having secured therein by cement or other suitable sub tance a label with a glass or transparent label or inscription plate, as a new-and improved article of manufacture.

2,632.-HARVESTER.-Cyrenus Wheeler, Jr., Auburn, N. Y.

2,632.—HARVESTER.—Cyrenus Wheeler, Jr., Auburn, N. Y. Patented Feb. 6, 1855. Reissued June 5, 1860. First, I claim the combination of a vibrating frame, a lnger bar attached to one corner or end thereof by a hinge, and a platform in there arof said fingerbar so as to leave an unobstructed space for the delivering of the grain on to the ground. Second, The combination of a vibrating trame with the cutting apparatus hinge thereto, a driver's seat and an arrangement of one or more levers whereby the driver in his seat can raisc and sustain the cutting apparatus man desired. Third, The combination of a finger bar hinged to a vibrating frame and a removable platform connected with the said frame by means of the linger bar only.

removation platerin connected when we can and a side delivery Fourth, The combination of a hinged finger beam and a side delivery platform so arranged that the grain may be denvered from the platform on to the ground out of the way of the horses or their next round. Firth, The combination of a hinged ninger beam, a lever and a yielding or linked connection extending from the lever to the vbrating part of the mu-chine to which the finger beam is statched, whereby the inner end of the finger beam is raised to pass obstacles in mowing and raised and sustained in reaching.

inger beam is raised to pass obstacles in mowing and raised and sustained in reaping. Sixth, The combination of a hinged finger beam, a lever, a yielding or linked connection extending from the lever to the vinrating part of the ma-chine to which the finger beam is attached and the scatfor the driver, where-by the driver can raise the inner end of the finger beam to pass obstacles in mowing and raised and sustained the same in reaping. Seventh, The combination of a hinzed finger beam with an auxiliary draft rod or bar attached to the inner end of the langer is well when the platform to the finger beam and tor strengthening said finger beam when it has the platform to carry, substantially as described. Ninth, Theinelthorm bar, Q, as a means of securing the platform to the abeing turned ellort around to the right, substantially as described. Tenth, in combination with a linger beam and elsectibed. Tenth, the constring wheel, the two casters, N s, arranged as described for allowing the inactine turn bar of a round to the right, for the purposes for the main supporting wheel, the two casters, N s, arranged as described for allowing the inactine to turn short around to the right, for the purposes for the main supporting track clearer when operated from a round to the right, or the right construction the set of the purposes for the main supporting wheel the two casters, N s, arranged as described for allowing the inactine to turn short around to the right, for the purposes

Eleventh, A revolving track clearer when operated from a ground wheel through gearing, substantially as described. DESIGNS.

2,659.—BOTTLE AND CAP.—Robert B. Parkinson, Philadel-

2,660. - HEEL PLATE FOR BOOTS, ETC. - Franklin Shaw,

SIXTY-ONE patents reported in the above list were solicited through the

Inventions Patented in England by Americans, (Condensed from the "Journal of the Commissioners of Patents.")

PROVISIONAL PROTECTION FOR SIX MONTHS.

559.—COATING PAPER AND OTHER MATERIALS WITH FLUID SUBSTANCES SOLUTIONS AND COMPOUNDS FOR PHOTOGRAPHIC AND OTHER PURPOSES.--John C. Crossman, Boston, Mass. March 8, 1867. 956.-HANGING SHIPS' RUDDERS.-Henry H. Pember and Uriah E. Rogers, New York City. March 30, 1867. 1,150.—BREWERS' MASH TUNS.—James Walker, Cincinnati, Ohio. April 20, 1867.

1,162.-COTTON BALE TIE.-Henry Fassmann, New Orleans, La. April20, 1867 1,178.—Mode of and Apparatus for Removing the Contents from Crn-trifugal, Sugar Machines.—Helem Merrill, New York City. April 23, 1867.

1,186.-SEWING MACHINE.-Lewis B. Bruen, New York City. April 24, 1867. 1,196.-Construction of Knives, Forks, and other Implements of Cutlery.-George Parr, Buffalo, N. Y. April 25, 1867. 1,202.-SELF-ACTING TACKLE HOOK.-Charles Luxton, Hudson, N.J. April 25, 1867.

1,256.-MANUFACTURE OF BOOTS AND SHORS, ETC.-Thomas B. Smith, Bos-ton, Mass. May 1, 1867.

1,513.—BINDERS FOR PAPERS, ETC., WHICH ALLOW THE WHOLE OF PARTS OF THE CONTENTS TO BE REMOVED OF EXCHANCED.—Noah M. Shafer, New York City. May 4, 1867.

1,340.-MACHINERY FOR MAKING ROVING AND FOR SPINNING INTO YARN.-Albert H. Gilman, Boston, Mass. May 7, 1867. 1,348.-HYDRAULIC VALVE GRAF FOR STRAM AND ANALOGOUS ENGINES.-Norman W. Wheeler, Brooklyn, N. Y. May 7, 1867.

N. J. First, I claim the case, p, fitted upon the carrier, d, in a braiding machine and containing the bobbin or cop from which the thread passes off upon the line or nearly so of the axis of said bobbin or cop, substantially as and for the purposes set forth. Second, I claim the ratchet pulley, q, over which the thread passes pawl, 2, and finger, 6, in combination with the weight, r, substantially as and for the purposes specified. Third, I claim the grooved ratchet wheel, q, over which the thread passes, pawl, 2, and weight, r, in combination with the cop or bobbin, p' substan-tally as and for the purposes specified. Fourth, I claim triction wheel applied in substantially the manner specified between the driving pulley, k, and the main shaft, l, of a braiding machine in combination with the stopping and starting mechanism so that the machine may commence to move gradually instead of suddening as et forth. edge and connected to the main frame of the machine through the meatum of the finger bar only. Second, A tilting platform having a fixed pivotal bearing at its outer or grain end and in rearfor itsforward edge in an arm or support which is at-tached to the finger bar and has no rear support from or connection with the main frame. 1,550.-CONSTRUCTION AND PACKING OF SLIDE VALVE AND AD JACENT PARTS FOR STEAM AND OTHER ENGINES.-Norman W. Wheeler, Brooklyn, N. Y. May 7, 1807. 1,851.—APPARATUS FOR INTRODUCING AND CONTROLLING THE INTRODUC TION OF FLUIDS TO SUBFACE CONDENSERS OF STEAM ENGINES.—Norman W. Wheeler; Brocklyn, N. Y. May 7,1867. grain and and in rear of its forward edge in an arm or support which is at-tached to the finger bar and has no rear support from or connection with the main frame. Third, A tilting platform vibrating upon a fixed pivot in rear of its forward edge in combination with the cutting apparatus and main frame in such man-ner as to leave an unobstructed space in rear of said platform for the delivery of the grain upon the ground. Fourth, A cut-off for separating the falling grainfrom the completed gave on the platform interposed by the tilting of the main platform upon a fixed point or pivot in rear of its forward edge. Fifth, A platform which discharges the gavels by turning upon a plvot in rear of its forward edge in combination with the laterally projecting cutting apparatus of a two-wheel side if it machine. Sixth, The combination in a two-wheelside araft machine of an adjustable cutting apparatus (it is platform connected thereto and turning upon a pivot in rear of its forward edge, and a lifting mechanism in such manner as that said cutting apparatus and platform by means of the lever and the chain or cord, in the manner as and for the purpose here identified. Eighth, The empoyment of a sheld or guard for closing the opening be-tween the finger bar and forward edge of the platform formed by the tilting of the platform on pivot in rear of its forward edge of the platform by means of the lever and the chain or cord, in the manner as and for the source of the platform formed by the tilting of the platform on a pivot in rear of its forward edge. 2 (206) Provers.ext are Mortony For Looves — Edmund H EXTENSION NOTICE, 65,310.-CAR COUPLING.-Edward A. Turner (assignor to himself and John Morrissey), New York City. I claim the coupling link, Cfurnished near one end with the laterally pro-fecting ears or lugs, in incombination with the draw head, A, and a suitable coupling pin, sa betantially as herein set forthforthe purpose specified. Daniel Noyes, of Abington, Mass, having petitioned for the extension of a patent granted to him the 25th day of October, 1853, for an improvement in machine hammers, for seven years from the expiration of said patent, which takes place on the 25th day of October, 1867, it is ordered that the said petition 65,311 .--- WAGON BRAKE LOCK .--- Thomas Urie, Springfield, be heard at the Patent Office on Monday, the 7th day of October next. Iowa. I claim the eccentric, c, in combination with the rod, d, the slotted lever, a, and the segment plate, b, for locking a wagon brake by means of the con-necting rod, g, constructed, arranged and operating substantially as and for the purposes described. Zur Beachtung für deutsche Erfinder. Nach dem nenen Patent-Gefetze der Bereinigten Staaten, fönnen Dentsche, sowie Bitrger aller Länder mit einer einzigen Ausnahme, Patente zu denselben Bedingungen erlungen, wie Bitrger der Ver. 65,312.-ROTARY STEAM ENGINE.-John H. Van Sandt and J. Hurt, Princeton, Ind. We claim the arrangement of the came, G, springs, g, valves, F, with re-ference to the system of cranks, e, connections leading from the shalt, L, sub-stantially for the purpose specified. 2,626. — PICKER-STAFF MOTION FOR LOOMS. — Edmund H. Graham, Manchester, Mass., and Wanton Rouse, Taun-ton, Mass., assignces of Edmund H. Graham. Patented Oct. 16, 1860. Reissued Oct. 2, 1866. Staaten. Erfundigungen über bie, aur Erlangung von Batenten nöthiger. Schritte, förmen in deutscher Sprache schriftlich an uns gerichtet wer. 65,313.— Composition for Filtering Petroleum Sirup AND OTHER LIQUIDS .- William V. Wyck, Belleville, We claim, First, The combination of a rocker of a picker staff with its bed by loose journals projecting each side of the picker staff and arranged be-neath the picker staff, substantially as described. Second, in combination with the rocker, the bed, and the journals the open boxes, substantially as and for the purpose described. Third, in combination with the rocker and its bed the journal bearing arm, operating substantially as and for the purpose specified. ben und Erfinder welche perfönlich nach unferer Office tommen, wer-N. J. ben von Deutschen prompt bedient werben. Man abreffire N. J. I claim the application of the above mentioned compound of soluble ani-mal matter chalk and wood charceal for the purification of petroleum and other oils, sugars, syrups and molasses and spirituous liquors by filtering these substances through the above mentioned compound or by any mode equivalent to filtration, MUNN & CO., 37 Park Row, New York.