with the stop, h h, on the screw, substantially as described for the purposes set forth. 37.231.—Treating Caoutchouc.—Liverus Hull, Charles-

7,231.—TTEATING CONCENTIAL TOWN, Mass.:

I claim the application of carbon spirits, as described, and chloride f sulphur, to ground caoutchouc, substantially as and for the improvement of it, as specified.

37,232.—Floating Battery for Ships and other Navigable Vessels.—James Hyde (assignor to Thomas Keech), New York City:

New York City:

I claim, first, The employment of a floating turret in combination with a floating tank or ship's hull, substantially in the manner and for the purposes hereine-tore described. Second, I also claim forming a communication between the interior of the ship, A, and inside of the floating turret, D, through the frame, B, and hollow shaft, F, substantially as and for the purpose set forth.

37.233,-Boot and Shoe.-Oliver Lafreniere, New York

City:
I claim a boot or shoe provided with a dovetailed plate, D, grooved heel frame, E, and sole frame, A, all made and united in the manner herein shown and described.

[The object of this invention is to produce cheap, durable and easy

purpose of soling boots and shoes, of a metallic trame filled with hard wood or some other suitable material, and secured to the inner side of the boot or shoe by means of screws or rivets, or by any other suitable means, in such a manner that the sole can be made cheap and attached in a short time with little trouble, and that it will wear much longer than soles of the ordinary make.]

37,234.—Harrow.—John Kelsey, of Yardleyville, Pa.: I claim the construction of the oblique extended point, B, with its front tooth, C, and the scraper, M, when arranged and combined with the harrow, as herein described and for the purposes herein set forth.

-Engraving Machine .- J. S. Ives, of Morrisania

37,235.—Engraving Machine.—v. ...,
N. Y.:
I claim the employment of a shaft or rod, K, hung by a universal joint in an adjustable stand, F, in combination with a table, D, or its equivalent, connected by a universal joint to one end of rod, K, and a tracer or engraving tool, e, the whole operating substantially as set forth, to produce on a surface place to notable, D, various designs from patterns which guide the lower end of rod, K, in the manner hereinbefore described.
I also claim making the pivots, or their equivalents, of the universal joint in stand, F, adjustable or variable, substantially as described, for the purpose of changing the proportions of the designs cut from the same pattern.

for the purpose of changing the proportions of the designs cut from the same pattern.

I also claim the construction of the machine substantially as described, so as to admit of changing the angles of the axes of the universal joint as set forth, for the purpose of inclining the design in either direction to its base, while the pattern has no inclination, as hereinbefore described.

I also claim the sliding rod, k, in combination with the rod, K, and a suitable handle, i, substantially as and for the purposes described.

37,236.—Metallic Framing for Ships and other Navigable Vessels.—B. J. La Mothe, of New York City:
I claim a series of metal tubes forming the ribs of ships and other vessels, passing between the longitudinal tubes forming the keel and keelson, substantially as specified.
I also claim forming the knees uniting the decks to the sides of the vessel, by bending the tubes forming or extending from the deck or ib tubes, as set forth.
And I claim the combination of ribs formed of pipes, with longitudinal pipes passing between each other and allowed pipes, with longitudinal pipes passing between each other and allowed pipes.

And I claim the combination of ribs formed of pipes, with longitudinal pipes passing between each other and clamped together, substantially as set forth.

37,237.—Lamp Wick.—Frederick McKee, Pittsburgh, Pa.: I claim as a new article of manufacture a lamp wick made out or I claim as a new article of manufacture a lamp wick made out of pulp, and felted or hardenest together, instead of being woven, platted or twisted, as herein set forth, and this I claim whether the pulp be incased in an outer protection or not, as described.

37,238.—Railroad Car Brake.—D. Myers, South Bend

37,238.—Railroad Car Brake.—D. Myers, South Bend, Ind.:
Ind.:
I claim, first, Applying the rubbers to the wheels of a train of cars by means of satisface roles of chains and levers, and a sleam surrounding one of the satisfaction of the index of the train when a pulley, K, with beyond edge, each edge having a spiral growty, is form to on the said sleave as set forth, for the purpose specified.

Second, I caim the levers, R and B', their pulleys, as, and chains, t and r, the whole heing arranged and operating in conjunction with the brake levers, I and I', substantially as and for the purpose herein set forth.

37,239.—Railway Lamp.—T. J. Newland, Utica, N. Y. I claim the tubes, B B', or their equivalents, constructed operating substantially as described.

37,240.—Lock.—J. M. Perkins, Cleveland, Ohio:
I claim, first, The guard plates, D D', and stops, F I, constructed, arranged and operating as and for the purpose described.

Second, I claim the guard, K, the stop, K' and the wards, a, arranged and operated as and for the purpose specified.

37,241.—Combination Lock.—G. M. Phelps, Williams

37,241.—Combination Lock.—G. M. Phelps, Williamsburgh, N. Y.:

I claim, first, The key spindle, B, having both a rotary and a longitudinal movement, and provided with a feather, f, in combination with the series of disk tumblers, A A' AZ, loosely mounted on the said key spindle, and each having an internal slot, g, and a yielding holder, e, substantially as and for the purpose herein described.

Second, In combination with the series of independent disk tumblers, A A' AZ, each having an internal notch or slot, g, and a series of notches, k, around its periphery, with a click, e. applied thereto, and all mounted on a sliding and turning spindle, B, previded with a feather, f, substantially as herein described, the notch or groove, in the said spindle and pawl or stop, K, applied thereto, substantially as and for the purpose herein set forth.

Third, In combination with the bolt, C, bolt tumbler, D, and series of disk tumblers, A A' AZ, mounted upon, and formed so as to be turned and adjusted by the sliding and turning key spindle, B, substantially as herein described, the collar, L, or its equivalent, whereby the said key spindle, when disengaged from the said bolt tumbler and bolt, substantially as and for the purpose herein set forth.

Feurth, The arrangement of the pawl, P, by which the toothed hubs, q, are secured to the rims, r, of the sisk tumblers, with the perforation, Q, and slot, a, in each of the said rims, the hole, R, in the lock case, and the tongue, c, of the bolt tumbler, substantially as and for the purpose herein described.

37,242.—Boot-crimping Machine.—Corydon Pratt, Pratt's

57,242.—Boot-crimping Machine.—Corydon Pratt, Pratt's Hollow, N. Y.:
I claim, first, The combination and arrangement of mechanism unbatantially as described, whereby the jaws, when moved downward or in the opposite direction from which the leather is forced on to the former, are released from pressure on the leather, substantially as represented and described.

Second, The U-shaped expander, provided with double-inclined plains, and acting upon the springs, G G, in the manner substantially as set forth.

37,243.—Umbrella.—T. H. Ray, North Adams, Mass.:
I claim the combination of the closing rod, b, with the spring catch, A, when they are constructed, arranged and fitted to produce the result, substantially as herein described.

37,244.—Churn.—William Robinson, Bellefontaine, Ohio:
I claim, first, Suspending the hony, A, of a churn upon a central apindle, c', in the manuer and for the purpose substantially as set forth.

forth.

Second, In combination with the cylinder, A, and spindle, c', I claim the stationary dasher, E, constructed substantially as and for the purpose set forth.

Third, I claim the cap, e, in combination with the spindle, c', and opening, i, substantially as and for the purpose set forth.

37,245.—Lubricator for Steam Engines.—James Roscoe

Leicester, England:
I claim constructing a lubricator with an air pipe, I, in combination with the other parts, substantially as described and represented.

27,246.—Mode of operating Brakes of Railroad Cars.—A.
G. Safford, Boston, Mass.:
I claim the combination of the "equalizer," P, with the pulley, N, and the chains of the windlasses, R R, and the system of brake

and the challs of the windrasses, k. k., and the system of conservers.

Also, the arrangement of the spring drum, S, and its coupling and winding mechanisms (viz.: the teeth, h i, and the system of one or more springs, k), with the pulley, N, arranged between the two trucks, and so as to operate substantially in manner as specified.

Also, The combination and arrangement of two or more separate springs, k, k, with the spring drum, S, and its rotary head or ratchet, T.

Also, The arrangement and combination of a relieving mechanism (viz.: the windlass, o, with its ratchets, p q, and retaining and ing diling pawis, r U, and connections, I m n, with the rotary spring diling pawis, r U, and connections, I m n, with the rotary spring diling characteristic processing the property of the proper

ritum, S, and the chain putter, R, arranged substantially as hard-selare specified.

Also, The arrangement of the trippping lever, V, with the car body and the relieving mechanism, substantially as specified.

Also, The combination and arrangement of the auxiliary brake levers, K K, with the pulley, N, and the system of levers and rods connecting the brakes of trucks, as described.

37.247.—Reversible Neck Scarf.—A. S. Saroni, New York

City:

I claim a reversible searf, provided with a neck piece made of card loard, B, or any other suitable material, coated with hatter's sizing, and provided with an elastic loop or loops, so that the scarf, A, 18 roperlyattached to the collar either side out, at the same time preenting the appearance of a carefully-adjusted cravator countrie.

senting the appearance of a carefully-adjusted cravator mack-ide.

37,248.—Metallic House.—S. J. Seely, Brooklyn, N. Y.:
I claim, first, The foundation sill, a a 'a2, constructed in the manner and for the purpose substantially as described.

Second, I claim constructing the sheet-metal walls, D D', with ribs, e, and plane-faced surfaces, e', substantially as and for the purpose aet forth.

Third, I claim the connecting sill, M, constructed in the manner and for the purpose substantially as described.

and for the purpose substantially as described. Fourth, I claim the griders, G, in combination with the walls, D D', substantially as described.

37,249.—Cork.—W. H. Towers, New York City:
I claim the cork with the wire extending through it from top to bottom, the whole constructed and arranged substantially as set forth and for the purpose specified.

37,250.—Operating Ordnance.—Otis Tufts, Boston, Mass.: I claim the gun carriage with its attached turn-table, in combina-tion with the sliding or recoilearnage on which the table turns, and the training carriage or slide that supports them, substantially as de-sorbed

ne training carriage or since that supports them, substantially as de-cribed.

I claim operating a pivot-gun carriage and the gun thereon, substan-ially in the manner set forth, viz.: by locating the shaft through which the power is transmitted, so that it will be concentric with the raining pivot or axis.

I claim the training pin or pivot, i', when formed to admit the pass-age of a shaft concentrically through it, and combined with the train-ing carriage of the gun.

I claim so arranging and combining a friction-producing clamp with he slide and ways of a gun carriage that it may be operated at one tentral point, substantially in the manner described, in the place of wo separate clamps each requiring its own adjustment, as heretofore imployed. th

multiple I claims of combining the clamp, s', and the clamp, v, that they are perated by one device in common, substantially in the manner set

37,251.—Cultivator.—W. S. Weir, Jr., Monmouth, Ill.:

I claim, first, The combination and arrangement of the frame, B tomgue, A, and wheels, C C, substantially as set forth.

Second, The combination with the posts, B' B', and plow beams, of the loops, a, and draft-adjusting devices, b b, substantially as set forth.

-Photographic Plate-holder .- A. B. Wilson,

Waterbury, Conn.:
I claim, first, The double funnel and stem, with separate channels, onstructed and operating substantially as and for the purpose de-

constructed and operating successful.

Second, Securing the negative glass in position in the manner and by the means of a plate-holder, constructed and operating substantially as described.

A. I. Dawby, of White Creek, N. Y.,

tially as described.

37,253.—Harvester.—A. L. Darby, of White Creek, N. Y., assignor to himself and J. H. Balch, of Cambridge, N. Y.:
I claim, first, The apparatus for lifting and turning over the finger bar, to wit: the lever, L. and chain, with shafts, S and G, coupled by an universal joint, and operated by bevel wheel gear K and R, with shaft and winch, when used in combination with the vibrating frame, B, for the purposes set forth in the within specification.

Second, The construction of the cutter guard or finger as described, with the eylindrical opening back of the points of the cutters and for-

second, the construction of the cutter grant of niger as with the cylindrical opening back of the points of the cutters ward of the cutter bar, and providing the front part of the guesting edges on the upper ridge and flank edges and lower on the upper ridge and flank edges and one, for the purpose spe

37,254.—Churn.—Thomas T. Ffirth, Camden, N. J., as-signor to himself and G. W. Adler:
I claim any suitable number of flutter wheels, E and F, when arranged to revolve in the direction shown, in combination with any convenient number of ribs, H, H1, &c., and their concave recesses, the whole being arranged and operating as and for the purpose set

h.
255.—Apparatus for Pressing Hats.—J. S. Giles and William Halladay, New York City, and J. A. Rue, Brooklyn, N. Y., assignors to J. S. Giles and William Halladay aforesaid:
Halladay aforesaid:
Halladay aforesaid:

Halladay aloresaid: I claim the block, d, fitted to slide vertically in combination with the hinged blocks, cc and b b, and forming the crown die for press-ing flaringor bell-crowned hats or bloomers substantially as specified.

ing naringor bell-crowned hats or bloomers substantially as specified.

37,256.—Skeleton Skirt.—J. M. Kinney, Columbus, Ohio, assignor to himself and D. D. Winant, Brooklyn, N. Y.: I claim a skeleton skirt formed of springs radiating from a suitable waist-belt and connected to each other to retain them in a skirt form by elastic or non-elastic cords, tapes or their equivalents, substantially as specified.

as specified.

37,257.—Divided Vent-bushing for Ordnance to facilitate Unspiking.—B. G. Martin (assignor to Jerome Buck), New York City:

I claim the divided and doweled cylinder, the combination of the said bisected and perforated cylinder and vent-field detachable from the carbinate of other internation and from each other inthe purpose of bushing any year those whenever needed, and the combination of the siected and perforated cylinder and wrench detachable from each other as well as from the vent-hole for the purpose of unspiking camon or other lire-arm and showing the vent-hole all operating as above described.

above described.

37,258.—Apparatus for Condensing and Evaporating.—J.
J. Miller, (assignor to himself and Ernst Prussing),
Chicago, Ill.:
I claim, first, The combination of the closed vessel, A, and alternately concave and convex rotating pans, D and E, with suitable induction and eduction ports, the whole being arranged to operate substantially as and for the purposes set forth.

Second, The combination of the surrounding jacket or coil, J, with the said closed vessel and pans substantially as and for the objects specified

specified
Third, Securing the pans, D and E, upon the shafts, B, by means of
the collar, M, tubes, d, and clamping nut, N, substantially as and for
the purposes described.

the purposes described.

37,259.—Platform Scale.—Elnathan Sampson, Waterford, N. Y., assignor to the Sampson and Tibbit's Scale Company, Green Island, N. Y.:

I claim the employment or use of bell-crank levers, k l k l ll p q, connected by reds or their equivalents in combination with the oscillating vertical or pendent levers, C Cl. from which the platform, A, is suspended, all constructed, arranged and operating substantially in the manner and for the purpose herein shown and described.

27 260.—Projectile for Rijed Ordnance W H Smith.

37,260.—Projectile for Rifled Ordnance.—W. H. Smith, (assignor to himself and R. M. Bassett), Birmingham, Comn.:

Conn.:

I claim the jacket or case, B, constructed and combined with the ody, A, or projectile proper by means of resin or other suitable cenent in its annular cavity, d, substantially as and for the purpose area reperfied.

-Vest.—David Vogl, London, England, assignor Simon Guiterman, New York City. Patented in

37,261.—Vest.—David Vogi, London, England, assignor to Simon Guiterman, New York City. Patented in England, Dec. 10, 1861:

I claim the construction of vests closed in front, without arm-holes and held in position around the person by adjustable barrows substantially as described.

tially as described.

37,262.—Feed-bag for Horses or other Animals.—W. B. Wait, Greenwood, Mass., assignor to himself and J. A. Fairbanks, Melrose, Mass.:

I claim the nose-bag as made either with the head cap provided with air inlets, b b b b, or with the same and an elastic mouth arranged substantially as specified.

I also claim the nose-bag as made with an elastic hanger or its equivalent, and in other respects in manner and so as to operate substantially as hereinhelfore specified.

stantially as hereinbefore specified.

37,263.—Oil Still.—W. G. Warden and Thomas K. Petty, Pittsburgh, Pa.:
We claim the use in stills, for distilling hydro-carbonoils, of a double trap constructed substantially as herein before described, so connected with the still, 2, its worm-pipe or posed-mesk, as not to return to the still the heavier rappor or any condensed products of distillation, but so that any unvaporized liquid or solid substance, carried over with the vapor or boiling over from the still through the still-head or goosement, shall be arrested be fore reaching the worm or condenser, and either returned to the still or collected in a separate receptacle.

Also, Drawing off the unvaporized matter which is carried over from the still in the process of distillation and thereby preventing it passing into the condenser or receptacle for distilled oil by means of the apparatus, substantially as herein before described.

37,264 .- Passenger Ticket .- N. D. Morgan, Mount Pleas-

37,264.—Passenger Ticket.—IV. D. Margan,
ant, N. Y.:

I claim the combination of a new and improved form of passenger
ticket to be used on railroad cars, steamboats and all other public conveyances for passengers, with a card or slip of paper printed or illustrated or both so that the former shall inclose the latter as with an
envelope or wrapper; with an aperture in the side of the ticket
through which the inclosed card or slip of paper shall exhibit some
conspicuous word or illustration to attract the attention of the passenger holding the same, and also open at the ends so that the inclosed
card or slip of paper may be easily removed therefrom and retained by
the passengers substantially as herein before set forth.

37,265.—Canal Lock.—S. J. Seely, Brooklyn, N. Y.:

1 claim, first, The method, substantially as herein described, of constructing canal locks, whereby metal instead of masonry is used to give the requisitest ength to the whole structure of the structure of the

described.
Third, The sustaining the walls of the gate channels by means of corrugated metal or its equivalent substantially as described.

RE-ISSUES.

1,367.—Artificial Leg. Douglas Bly, Rochester, N. Y
Patented May 17, 1859. Re-issued July 3, 1860:
I claim, first, Curving or deflecting the jointed extremities of the base, J. so as to brung their axes of motion back of their line of direction, substantially as and for the purposes set forth.
Second, I claim the cord, T, and spring, X, acting upon the parts, D and L, substantially in the manner and for the purposeherein set forth,

D and L, substantially in the manner and for the purpose herein set forth,
Third, I claim the combination of the india-rubber spring, E, with a tendon or cord in such a manner that the required effect is derived from the compression and expansion of the material, and not from its elongations and contractions, substantially as set forth.
Fourth, I claim the axial bolts or transverse axes, B C, as and for the purpose herein set forth.
Fifth, I claim providing the ends of the cords, F, with the enlargements and with the conical socket fastenings, G, to receive the same, substantially as described, in order to apply adjusting serews for the purposes herein specified.
Sixth, I claim the manner of constructing the bearing portions of the knee-joint consisting of the upper and lower bearing blocks, N N, each of which forms a segment of a circle more or less corresponding with the axial bolt, the one being fixed in position and the other adjustable by means of the screws, S, S, to admit of adjusting the parts together to prevent looseness and noise, and to reduce and regulate the friction, substantially as and for the purpose herein set forth.

the friction, substantially as and for the purpose herein set forth.

1.368.—Lamp Chimney.—W. L. Fish, Newark, N. J.:

1 claim the use in connection with oil lamps of ordinary construction and operation, of heating vessels containing a central flue so shaped as to form the chimney of said lamp substantially as herein shown and described—whereby the same lamp may be used for both illuminating and heating purposes or for either.

Second, In oil lamps of ordinary construction and in connection with the heating vessel before referred to, I claim the use of a bulb or its equivalent device for the intermediate support of said vessel by the lamp substantially as herein shown and described.

Third, In combination with the said heating vessel and bulb, when the latter is made of an opaque material, I claim the use of a window or of windows made of a transparent material for the transmission of light through its ubstantially as and for the purposes set forth.

DESIGN.

Design for a Cane-head, Umbrella-handle or Sword-hilt.—J. C. Nobles, Rushford, N. Y.

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