41,405.-Machhne Belting.- Hen Y Yaylor, Trenton, M.J. 41,406.-Motive Power.-Jose Toll, Locust Grove, 0 io. Ante-dated Jan. 24, 1864

 the objects stated.

## 41,407.-Plow.-James Tomlinson, Racine, Wis.

 rclaim a plow havingits mold-board, share, and coulter, in the ${ }^{\text {Pomm of }}$, substantialiy as as set forth.[Thls invention consists in constructing the mealboard, share, and conlter, all in one piece and of scoop or hollow screw form with a point nearly in the center of the cutting part or tshare, whereby the furrow slice is cut rounding on the land side and turned over with far greater facility than by the plows of ordinary construction, the dranght of the plow rendered comparatively light and the furrow alice in being turned not elevated as high as when turned by the ordinary plows, the inventionat the same time being better adapted or a gang plow than those of ordinary construction. The invention to the plow frame or beamsin such a manner as to agage the depth of the plow or plows, and enable the latter to be raised out of the ground by the plowmanwith the greatest facility.]
1,408.-Boller Feeder.-George I. Washburn, Worces-
ter, Mass.:
I claim, frst, COndensing a body of steam within an apparatus
having no external outlet by forcing if from one chamber to another by the gravity of water, and cussing it to pass beneath the garface of
and in contact with the water in the chamber into which it is forced,
eubstantiall as herein described Second, In a condensing or pumping apparatus operating substan-
tsilly on the princcipe specifed, I claim the use of a chece valye, o,
operating as described, to prevent the reflux of water into or down the suppy pipe
Thirul The combination of the hollow divided shaft,, , chambers,
A1 A2 E1 E2, and vaive, $G$, operating substantially as and for the purA1 A2 E1 E2, an
D and valve, $G$, forbination of the rod, $H$, with the oscillating shaft,
 41,409.-Railroad Car.-James Withycombe \& Charles Reiblein, Cleveland, Ohio
I claim supportling the bolsters, $\mathrm{F}^{\prime} \mathrm{F}^{\prime}$, of railroad cars, by the beams,
$\mathrm{C} \mathbf{C} \mathrm{C}^{\prime} \mathrm{C}^{\prime}$, and E , arrangedaand operating as and for the purpose 41,410.-Water Elevator.-James C. Barrett, Stamford, onn, assignor to Joseph R. Van Marter, Lyons, N. Y:
 H H', and crank, J, all arranged to operate substantially as and ior
the purpose specifed.
I urther casim the eccentric, $h$, and the friction roller, $g$, or an equivalent bearing; when used in combination with the disis, II, a
applied to a windlass to operate as and for the purpose set forth.
[This invention relates to certain improvements in windlases for raligng light weights, designed more especially for raising water from of simple construction object of the invention is to obtain a windlase by its own gravity by a very simple manipulation of the crank and without having the latter turned with the drum of the windlass as the bucket descends, the filled bucket at the same time betng held at ator.]
41,411.-Harvester.-Henry Fisher, A liance, Ohio, as signor to himself, Wm. M. Whitely, Jerome Fassle \& Oliver S. Kelly, Springfield, Ohio:
I claim in combination with the stationary bowi or cam, M , ar ragaged a described, extendingthe rake-head back be himd its fulcrum
onasto raise and control the rotatine rake bb the action of the cam
way on its heel or rear end, substantially as enescribed. In combination with the rake, I claim the carved arm on the side
of the rake top pash the raindown in advance of therake and insure
its being cut before the rake shall move it on the platfore
41,412.-Cast-iron Pavement and Gutter.-Morton Pen nock (assignor to himself \& Samuel Pennock), Ken-
netts Square, Pa.:
I claim, Anst, The channel, B, under the metal plates, $A$, substan-
tially as and for the purpose described.
 purpose set
Third, The gattier, C, made of metal or other good conductor of
beat and provided with a channel, D, substantially as and for the
porpose specifled. parpose specified.
[This invention consists inj arrangng', hollow space or channel unner that by admutting steam or heatedair into said channel, the pavement can be keptifree from snow and ice; and it also consists in the arrangement of a metal gutter with a similar channel in combination with the pavement in such a manner that by admitting steam or and at the ame time the water accumolating in it prevented from treezing.]
41,413.-Casting Packing-rings in Gas and Water Pipes. L. Case, Jesse M. Keen \& John W. Mason), New York City:

## purpose set forth. The forming ring, B, constructed as described:for the Second, The combination therewith of set $\mathrm{l}_{\text {gcrems }}$ arranged as de

 forth.
41,414.-Frame for Traveling Bags.-Zacharlah Walsh assignor to Cornellus Waish), Newark, N. J.
I claim the combination of the divided, Hp, d d, and jointed frame,
B, constructed and arranged as and for the purpose heretn shown and
deacrib d.
[Thisinvention consists in constructing each side of the frame of the bag with one or more joints in such a manner that the sides of the frame may be distended or forced apart in order to open the bag, thereby' avoiding the curved ends of the ordinary frames which, un loss side ocks or straps are used, admit of the hand being inserted within the bag at each end when the frame is locked.]
41, 415.-Take-up for Circular Knitting. Machines.Campbell \& John Clute, Cohoes, N. Y.:

## 


[This invention relaten to the take-up of that clase of circular koit
ting machines in which the needle-plate or needle-ring bas a rotary
motion about its axis; and it con ists infcertain means of controlling the operation of such a take-up, bytithe tension of the knitted goods, whereby all parts of a piece of coods are made uniformiy of any de sired texture or tightness.]
41,416.-Machine for cutting Hay for Pressing.-Orson Waste \& Charles Waste (assignorsto Charles Waste) Cameron, Ill.:
We claim, frst, The combination of the rollers, $A \Delta$, with a knife
working periodicall, so connected and geared to the rollers as to cut
the hay in proper lenths for
 pooe specified.
Third, We claim also the combination of the knife, C , with agrooved
projection, $M$, eubstantially as eet forth. 41,417.-Fruit Can.-Joseph B. Wilson (assignor to David W. Moore), Fislerville, N. J.: I claim the stopper, D, composed of the guiding portion, $f$, flange
and projection, a , when combined with and arranged in respect the mouth of a vessel having two shoulders, a and $b$, in the manne
tet forth. the mouth
set forth.

## REISSUES.

1,609.-Machine for enameling Picture $F$ ames.- 0 . L. wood New Yot City Patented April 1861 er claim, i, irt, The employment fort the parpose specifind, of a basin



1,610.-Machine for cutting-out Boot and Shoe Soles. David Knox \& Walter $D$. Richards (assignees by mesne-assignments of C. H.'Griffn), Lynn, Mass. Pate ret, Thue 2, , 855



 the sole, and so on
pur poses set forth.

## designs.

1,888.-Hand Engine.-Wm. R. Bush, Fall River, Mass. 1,889-Trade-mark.-Samuel B. Newell, Cincinnati, Obio:
1,890.-Oill-cloth Pattern.-Joseph Robley, Brooklyn
,891 and 1,892.-Valves.-W.:Barnet Le Van, Philadel p ia, Pa. (2 cases):
1,893.-Stove Plate.-Nicholas S. Vedder \& Benjamin F Johnson (assignors to Wager \& Fales), Troy, N. Y. EXTENSIONS.
Steam Boiler Furnace. - Benjamin Crawford, Allegheny Pa. Patented Jan. 29,1850 . Re-issued Dec. 2,1862
 Second, Self-whiring adjustages or their equivalents on the pipes
leading from the boiler or rtean blower to proper positions for in
creasing the draught or promoting combustion, substantially as set




 Spark-a ester.-James Radley \& Margaret Hunter (ad York City. Patented Jan. 22, 1850. Re-1ssued Jan. 16, 1855 :
Weile cilm, irrat, The arranging of a serieg of chambers and chan-

herein.
second,
he
 Loo Md., and James Turnbull, Simsbury, Conn. Pat ented Jan. 29 , 1850 :
We clalm, first, Divlding the heddles into two or more divisions to
be worked in uccession , substantiall a as herein described, that the De worked in succession, substantially as herein described, that the
ontir opealm of the shed may be effected fin succession and thus
avoid the evil effects consequent on the opening of the shed, at void the evif effects consequent on the opening of the shed, at one
operation as heretofore described.
Second, Operating the two picker levers or treadles by means of shifting tappet operated or sbifted aiternately for each pict by mean


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 ollowing very gratifying letter: mony to the able and eificient manner in whhch you dischargear your
dutilis as Solicitors of Patente, while I had the honor of holding the oftree of Commissioner. Your business was very large, and you sas
tained (and I doubt not justly deberved) the reputation of energy
marked ability, and uncompromising fidelity in performing your pro essional engagements. $\begin{gathered}\text { Very respectrully, your obedient servant, }\end{gathered}$ J. Hols.

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succeded Mr. Hoit as Commissioner of Patents. Upon resigning the




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J. H. R., of Mass.-Packing rings cannot be turned with accuracy after they have been cut of from the main ring. We do not know of any chuck that will hold them. A block of wood, with a groove turned in it, is the best thing you can use if you are oblige re-turn your packing
P. McN., of Pa.-Pulleys for belts are made high in the center of the face, so that the belt willrun true as it sthe tendenc of a belt to find the highest point on the pulley. We thought ever mechanic knew this.
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J. B. C., of Conn.-Address H. C. Baird, Philadelphia Pa., for a work on tinning, \&c.
H. T., of Pa.-Superheated or dry steam was applied to the refining of iron twenty-four years ago, a patent for its use ha ing been takenout in 1840, by Guest \& Evans, in England
G. H. M., of N. Y.-Admiral Foote was a naval ofticer, and as such commanded the gunboats at the attack on Fort Donel reported to the Navy Department.

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