41,233.-Saddle Bag and Medicine Case--Hyla H. Peacock, Philadelphia, Pa. Ante-dated Dec. 20, 1863

 cepitinand
41,234.-Machine to Print Addresses on Newspapers.-
Milo Peck and Charles Peck, New Haven, and Robert W. Wright, Orange, Conn:

 fed formard at reguar interval.

 nemeor addreas is reached at any interval, subtantially as dee-
criberd, We clalm the binder, Fis: 6 , in combination with the ad-
pird dress biocks and galiey, when used in the mamner and for the purpose
set rort
Fourth, we claim the movable shield, $p$ in combination with the

 blocks, when the blooks ere so arranged in gilleyg as to form 41, 235.-Cable Stopper.-G. S. Perkins, Essex, Mass.:

 forn.
[This invention consists in a cable stopper of improved constrnction, whereby greater facility is afforded for slipping the cable and 41,236.-Sash-supporter and Lock.-Washburn Race, Lockport, N. Y.:
I claim as a new artice of manufacture the combined sash-sup-
porter and lock, C, consisting of the enlarged eccentric or stop, ,
 41,237.-Artificial Leg.-John Reichenbach, Pittsburgh Pa.: or cingim, first, Forming the ankle joint by means of a hook and eve
forming an universal toint ine fot, the ottomer to the end of the leg leg ber or other elastic material placed in the cavity of the foot for the the
pur pose of allo wing the requiste motion of the foot with suficient elasscity oftread, substantially as described
second The mode of regulacimg the lengtb of the leg from the knee
to the sole of the foot by means of the hook and eye bolts, c and k , second The mode of regulating the engtb of the leg from the knee
to the sole of the foot by means of the hook and eve bolt, c and $k$,
furnished with screw nuts, n n ${ }^{\prime}$, in combination with the india-rubber springs, 1 , substantially as described.
Third, So onstructing the ankle joint, substantially a d described,
as that when the as that when the 1 h has been turned on its axis in the foot the foot
ghal be automatic
竍 restored to its no nomal paition ln relation to sha be automatic hy restored to its normal pasit
the leg, when raised 1 rom the ground, by means of
of the book and ey joint and india-rubber springs.
41,238.-Artificial Leg.-John Reichenbach, Pittsburgh,
claim, first, Constructing the knee of two hemispherical pieces,
aitached to the thigh piece and the other to theleg piece, each one attached to the thigh plece and the other to the leg piece, each
Forking in a socket in that portion of the leg to which it in not ait.
tached and connected together by a center or joint pin, substantially as described.
second, The use of a a grooved pulley or disk, turning on the cen ter
or joint pin of the knee, for guidng the extensor cord, in its in passage
over the cap of the knee, substantially as and for the purpose hereinover the cap of the knee, substantially as and for the purpose hereine
oefore secfled
Third, The combination of the hemise Third, The combination of the hemispherical joint pieces, $\mathrm{I}^{\prime}$ ', one Fit the hinge pleces, d d' ${ }^{\prime}$, and hinge pin, e, either with or without
tbe disk $a$ pulley for $h$ extensor cord the whole being constructed
 nee, and thence passing up through the thigh and having its origin
nor being attached to a strap passed around the waikt of the wearer
and otherwise frmly secred to bis bod, so that by fiexing the
stump ofthethighoutward from the body the extensor cord is suthi-
ciently loosened to allow of the flexures of the kne joint, and by straightening the stump of the thigh or bringing it into a line with
he body the extensor
ng ourd may be drawn the legt, thereby straighten-
one knee joint, substantially as described. 41,239.-Machine for Cutting Tags on Shoe Laces.-F. J.
Seymour, Wolcottville, Conn.: Seymour, Wolcottville, Conn.:
I claim, first, The notched cutters, $h$. and 1 , receiving the double-
tagredbriad on a dtagonal position, and compressing and separating
 ters that, separate the doubled. tagged braid, substantially as specifled.
Third, I caim the gulde hole, f , In combination with the presser or
clamp, E , for the purpose and as specifled. 41,240.-Blacksmith's Truyere.-William Sharp,Millport, I Clam. Y. B .
 opentig, e, and variable openings, g , or their equivalents, with the
olest pipe, A, and blast chamber,
and for sthe parposes shown and described.
41,241.-Sizing and Water-proofing Paper, \&c.-J. N. Sigel, Alexand ia, Va.:
I claim the process above described for treating fibrous materials to
render them water-proof and increase their strength and durability. (This process consists in the application to paper or other brous material of a solution made from any suitableresinous gum erty.]
41,242.-Breech-loading Fire-arm.-W. X. Stevens, Worcester, Mass.:
I clalm, firtt, Operating a breech block, $C$, working transversely to
the bore of the piece by means of a sliding rod,, , or its equivalent Forking langitudinaliy within the breech frame and combined with
the baid block by means of a stud and inclined groove, or other
devices having a similar wedge-like action, substantially as herein specifed. So constructing such sliding rod, 1 , or equivalent, and ap-
Siging it in combination with the breech block, Gus to enable it
pio plying it in combination with the breech block, G, as to enable it to
enter an chin the said block and so ger ethe additionapurpose of
gecuring the said block in position for fring, substantially as herein described.
Third, The combination with each other and with the sliding rod, I,
or its equicalent of the spring locking pin, b, and the elbow lever,
 serves at, the same time to stop the opening movement of the breech, ane frame, and by a suitable movement will permit such withdrawal,
thubstantially as herein described. Firth, The loose nipple, N, having a movement endwise to enable
it to be suitably operated by the hammer to produce the explosion of it to be suitably operated by the hammer to produce the explosion of
a fxed ammunition cartrdge, and yetcapabe of aconjering fre to a
charge from an ordinary cap, substantilly as herein described. 41,243.-Fastening for Surgical Instruments.-George I claim the turning fastener or button, applied to surgical and other
Instruments to retain them in poositlon when opened out of a handle, 41,244.-Coal Scuttle.-TV. B. Treadwell, Albany, N. Y. .:




 stantially a as aleser
Fritu
herind describecu.
41,245.-Directing Guns by Adjustable Ports.-Richard I clalim, frst, The combination of the port slide, B, applied outside by the ruma nuse out od the selfclosing port stopper opening outwar
 1,246, Leather and Rubber Soling.-G. F. Udell an Henry Mayell, Albany, N. Y.:
 41,247.-Lock.-Rodolphus L. Webb, West Meriden, I Claim, Arst I claim, irist, A tumbler, d, itted loosely between the latch platee
comblination with a swivel spindle latch, g c, substantially as and

yoke, e , an d tumbler, d , operating substanitially g and for the the pur
41,248.-Machine for Dressing Barrel Heads.-Peter I claim, frrst The combinationand arrangement in the manner des
cribedor
pupose
 Resonitructed, operated and operating substantially in the manner
 cifled.
41,249.- Machine for Chamfering and Crozing Barrels. I claile the new and losproved mode of


41,250 . Burning, Roasting and Smelting Ores.-J. D. Whelpley, and J. J. Storer, Boston, Mass.:
We chaim, Irist, The heatiog and im modiatio duenching in water of

 witb the fue, C, subtatatian as and for the purpose ese forth
Fourth, The combination of two or more fromees with a Hourth, The combination of two or more fronacees with a. perpen-
 ng, substantialy aly aescrived.

air, Seventh, The pouring of the material to be burmed or rosted into

Eighth, The projection of a perpendicular blast from a fan blower
down thatouh the top of the furnace and perpendicular expanding described Ninth, The combination of two blowers, one at the head or above,
Nnd the other below in the horizontal flue, to produce a balanced blast,


 cirse of making a cont:nualcirculat tion, substantially as described.
Thirte
That
 and allo the depopits to be raked out under said arcebes, , iththout
opening the furnace or affecting the draft, substantially as described 41,251.-Machine for Making Horse-shoe Nails.-Amos Whittemore, Cambridgeport, Mass.:
I claim, 1 Irst, $\Delta$ reciprocating furnace, in combination with nippers, Second, Applying the thrusting nippers which hold the rod during
its forward movement to a reciprocating furnace, in combloation its forward movement to a reciprocating furnace in cornbloation
with nippers applied to the frame of themachine, substantially as and for the purposes described.
Third, $A$ reciprocating nail rod heating furnace, substantially as de cribed
41,252.-Nut and Washer Machine.-J. T. Wood and E.

 a pair of rollers, one having a projecting belt fifting into a groove in
the other,
described
second, Also the use, in combination with the rollers constructed
aso dive described, of the round punch, i, and dies, hand n, and die
block, c', for the purpose of making finlshed nuts, substantially as
41,253.-Apparatus for Evaporating and Refining Sugar. J. E. Youngman, Rockford, Ill.
First, I claim the furnaces, A, B, $\mathbf{C}$ and $\mathbf{C}^{\prime}$, arranged as and for the purpose set forth.
Second I. claim the arrangement of the dampers, a a', and $b b^{\prime}$, in
combination with the furnaces, $\mathbf{A}, \mathbf{B}, \mathbf{C}$ and $\mathbf{C}^{\prime}$, for the purpose herein
specifled. $I$ claim the dampers, $c$, $d$ and $e$ in combunation with the
Third,
flues $E$ and $F$, when arranged and opera tig as describel flues, ${ }^{\text {Fourth, }} \mathbf{I}$ claim the perforated spouts, $K$ and $N$, in connection;with the spouts, $\mathrm{K}^{\prime}$ and ${ }^{\text {N }}$, for the objects and purposes set forth
Filaim the bordered heaters, Nos. 5 and 6 , for the purpose described.
Sixth, I claim the reservoir, $J$, for receiving the fluid part of the

41,254.-Loom.-Caspar Zwicki, Pittsburgh, Penn.:
 tions to one of the shaft, G, and the cams of both shafts acting unon
the rocking hafts, h , to work alternately and move out of action
alternately the picker staves, substantially as described alternately the picker staves, substantially as described.
41,255.-Collar for Lamp.-J. C. Beers (assignor to him-
self and P. C. Skidmore), of Brooklyn, N. Y.: Iclaim the combination of the part, C, with the ferme, br direct at
tachment, which aullo wa the lamp to be opened sumflenty to Ni it, tachment, which allo wre the lamp to be open
substantially as and for the purpose set forth.
41,256.-Heater.- Henry L. Budd (assignor to himsel and George $H$. Thorp, of New York city
I claim, first, The case, f, at the rear of the fire-pot, in combination
with the dampers, $g$ and h , and pipe, 1 , as and for the purpose speciSecond, I claim the plate, p a across the opening, o, of the vessel, m
Shrough which the air circulates, and is, by said plate, divided and
caused to enter the room or pass a way by the hot air gue, as specified.
Trird, I claim the hanf covers qand , united together and actng
as specified, in combination with the plate, p, to direct the heated alr
as set fort. 41,257.-Tire-Upsetting Machine.-L. A. Dole (assignor to himself and A. B. Silver), of Salem, Ohio: I claim, first, Making the wrought-metal key retainers of the tire-
upsetting machine, with a contracted sloted portion, a, terminating San enarged eye, $b$, for the purposes degcribed.
Second The use of transver e wedge keys with $V$ edges, in combina-
tion with the wrought-metal loops, $A$, applied to the anvi, $B$, substantion with the wroug
tially as described.
41,258.-Plane for Jointing Table Leaves.-T. P. Gran-
ger (assignor to himself and Josiah Best), or PecaI claim theherein-described geries of planos for setting table joints,
the same belng constructed and used in the manner and for the pars-
pone herein set forth. 41,259.-Composition for Percussion Caps, \&c.-Heinrich

Hochstatter of Lauzen, Hesse Darmstadt, assignor to William Lan
I claim the application of chloride of lead, compounded as described
herein, as an explosive mass for the ignition of gunpowder. 41,260.-Hat.-Frank Howard, of Boston, Mass., assignor to Vyse \& Sons, of New York city:

41,261.-Hat.-Robert B. Hurd, of Paterson, N. J., and
William Halladay of Brooklyn, N. Y., assignors to themselves and John S. Giles, of N. Y., assignors to We claim a hat composed of buckram, corered with plash ret., the
whole combined and constructed substantially as herein described. 41,262.-Device for Shrinking Tires.-Joseph Olmstead I claimsignor to T. P. Dinsmore), of Chicago, Ill.:
 [This invento
[Thisinin hrlnkers in which the bar of fron to be shrank, after having been able, and by forcing the movable toward the stationary block, the operation of shrinking is effected.]
41,263.-Corn Planter.-William F. Osgood (assignor to Orin F. Osgood), of Lowell, Mass.:
claim the arrangement of the pring bar,
F, constructed as I clalm the ar
shown, with the
herein described.
[This invention relates to a new and improved seeding machine for planting seed in either hills ordrills. The object of the invention is to obtain a simple machine for the purpose specifled, which may, by a verlls, and a drils, and also be very readly adapted for planting different kinds of

41,264.-Washing Machine.-D'Arcy Porter (assignor to himself and J. H. Woodman), of Cleveland, Ohio: ranged as described in comblnation with the sponings, K , and fud ared
roller, C , the several parte operating substantially as and for the pur pose herein set fort
41,265.-Sugar Mill.-Luther E. Porter, of Lake Mills Wis., assignor to E. W. Skinner, of Madison, Wis.: First, 1 claim the combination and arrangement of the roller, A,
the adju tablepornal box, D, with a lever or combination of levers
operatiog substantially as and for the purposes herein specifed and operang substantially as and for the purposes herein specined and
shom.
Second, I claim, in combination with said adjustable box and
levers, the epmployment of the sliding fulcrum, O, arranged and ope 41,266.-Apple-Parer.-E. L.-Pratt-(28signor to George Antrim, N. H.:
 substantially as and or the purpose set forth.
I also claim so applying the merhanism Fhich operates the kife
thet while the anple iero of thepare can be arroatedin the manner 41,267.-Buckle.-John Stevens (assignor to himself
Achille F. Migeonand Franklin Farrel), of New York city: claimst, Thetongue, a, formed as a bent lever by locating the fulcrum, c, above the strap, so that the tongue, a, shall clamp th
strap as specifled. Second, I claimm forming the buckle tongue or frame of sheet metal,
bent up and united by the fulcrum or cross pin, as specifed.

## REISSUES.

1,603.-Method of Fitting the Heaving Socket and Head of Windlass.-Charles Periey, ord Patented Nov. 13, 1849, and extended: I claim, first, A windlass head sitted at the inner end upon a poly-
gonal boss that in atteched to thes aft or spindle, whereby the head
 1,604.-Ship's Capstan and Windlass.-Joseph P. Manton William H. Taylor, of Providence, R. I., assignee by mesne assignments of James Emerson, of WorWe claim, Grst, The combination, substancially as described, of a
riction brake with the independent chain wheel or " wild cat of a ship's windlass or capstan, for the purpose of controling the paying out ocond, The double or divided wind lass or capanstan, arranged for
speration in the manner specifled, and consisting of an upper hand operation in the manner specifled, and ass or consisting of an apper hand
operative portion of thbe body or capstan proper, G, and under loose
port onof said body, H, the former being capable of worling inde portion or said body, H , the former being capable of worring inde
pently of the latter or in connection with hat at pleasura, substantially
as herein described.

DESIGN
1,883.-Design for a Bottle.-George Scott, of New York city.


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J. .G., of Md.-Your communication is fof interest, but you have not stated where the furnace is located, nor where the ore is obtained, although we infer the steamboat you mention runs on letter
T. H., of Pa.-The south pole attracts the north pole of a magnet, and rice rersa. When ia smallidcompass, therefore, is magnet is rotated.
J. W., of Ohio.-You can obtain hydrometers for testing the strength of dye liquors in every ctty in the Union. They are sold by dealers in philosophical and chemical instruments. There is no book published, exclusively devoted tothe treatment of water but you can ind all the information you want on the subjectin any good elementary work on chemistry.
W. T. \& Son, of Ohio.-The only water extractors that we haveseen used or cloth in dyeworks are or the rotary character, with sides of wire gauze. None of the common cements will resist the action of acids, soapssand alkalies that are thrown upon the floor of a dychouse. Such floors should alwaysbe laid close to the ground, in hydraulic cement.
H. \& G., of Pa.-We must refer you to the patentees, Shaw \& Linton, for information as to the details of their plan for burning petroleum as fuelin steam boilers; we know nothing about
J. D. W., of Ill.-Let the steam blow directly into the water of your bath; that is the quickest way to heatit. It is possible that your boiler is not large enough. A gallon of water converted into steam sh
boiling point.
N. N. D., of Mass.-Percussion pellets are composed of mixture of the chlorate of potash, some sulphur and a little varnish or glue. They may also be made with the fulminate of mer cury, some sulphur and a little varnish.
S. S., of Pa.-We do not think a patent has been allowed in this country for Aberdeen's method of uniting joints or seams. You could patent the device, providing you could prove priority of claim over the date of his foreign patent. Your subscription will ex pire July 1st.
W. Cp F., of Ill.-We do not think such a statement as you make ever appeared in our paper. Two messages can be sent over a wireat the same time, when the intervals of one current are supplied by those containing the other messages.
J. W. S., of Ill.-You enquire what the Government is offering for a perpetual motion: We answer-nothing. We trust that the Government knows better than to expect ever to get anything of the sort.
D. K., of Ill.-Your letter relates to matter of personal interest to yourself,fand not to our readers. If we should open our columns to all inventors, who might desire to publish descriptions of their inventions, our paper would:not be large enough to contain
them.

J. S. R., of Ohio.-We must refer you to the back volumes of ourspaper;for information how to put the finish on pistol
barrels. It would consume a great deal of our time to look it up. W. R. L., of Iowa.-We have considerable faith in the W. R. L., of Iowa.-We have considerable faith in the
article you speak of. It is recommended on high authority as a article you speak of. It is recommended on high authority as a
preventative of incrustationsfrom limewater, withoutinjury to the preventa
W. L. S., of Ohio.-The process of marbling the edges of books is by spreading the colors with a brush in a trough of water.
the colors float in waves and specks, and the paper being applied to the colors float in waves and specks, and the paper being applied to it, the color is'absorbedlin the form seen on the books. Youfshould visit some book-binding establishment in order to get a correct idea of the operations.

## Monev Received.

At the Scientific American Office, on account of Patent Office business, from Wednesday, Jan. 13, 1864, to Wednesday, Jan. 20, 1864 :-
A. C., of N. Y., \$28; G. W. W., of N. Y., \$14; A. E. McG., of Minn.; $\$ 20$; E. P., of Mass., $\$ 20$; J. S. G., of Mich., $\$ 20$; A. P. C., of N. Y., $\$ 16$; S.!M.,'of N. Y., \$41; J. R., of N. Y., \$16; J. M. M., of N. Y., \$10; T. S.'N., of N. Y., \$41; J. R., of N. Y., \$16; J. M. M., of N. Y., $\$ 10$;
T. \& L., of N. J., $\$ 16$; T. \& T., of N. Y., $\$ \$ 85$; C. S. M., of N. S., $\$ 16$; T. \& L., of N. J., $\$ 16$; T. \& T., of N. Y., $\$ 85$; C.S. M., of N. S., $\$ 16$;
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B. W., of Conn., $\$ 25$; M. H. M., of Ohio, $\$ 25$ A. A., of Cal., $\$ 30$ C. B. W., of Conn., $\$ 25$; M. H. M., of Ohio, $\$ 25$; A. A., of Cal., $\$ 30$; C.
R., of Ky., $\$ 16$; M. S., of Mo., $\$ 16$ S. D. E., of Penn., $\$ 16$; C. B. H. R., of Ky., $\$ 16$; M. S., of M.., $\$ 16$; S. D. E., of Penn., $\$ 16$; C. B. H.
of Mass., $\$ 33$; J. P., of N. Y., $\$ 40$; T. \& R., of Ill., $\$ 20$; J. S., of Ill., $\$ 25$; G. F., of Conn., $\$ 16$; A. P., of Chill, $\$ 25$; A. P. S., of N. Y., $\$ 25$; C.R.S., of N. H., $\$ 20$; J. S., of N. Y., $\$ 20$; A. C. C., of N. Y., $\$ 20$; J. C. R. S., of N. H., $\$ 20$; J. S., of N. Y., $\$ 20$; A. C. C., of N. Y., $\$ 20$; J.
W., of Iowa $\$ 45$; E. H., of N. Y., $\$ 60$; J S. U., of N. Y., $\$ 26 ;$ J. D., of N. Y., $\$ 16$; A. A. H., of N. Y., $\$ 41$; J. C., of N. Y., $\$ 16$; C. V. M., of
N. J., $\$ 16$ C. D., of N. Y., $\$ 16$ J. J. H., of Mass., $\$ 25$; C. M. W., of N. J., $\$ 16$; W. H. W., of N. H., $\$ 16$; H. S. S., of Mass., $\$ 25$; M. L., of
Penn., $\$ 28 ;$ R. W. P., of Mass., $\$ 16$; C. F., of III., $\$ 53$; G. H. S., of Conn., \$25; R. S. H., of Iowa \$20; W. \& P., of N. Y., \$41; P. C. C., of Cal., \$30; C. T., of N. J., \$25; S. D. T., of Mass., \$25; J. T. of Ind. $\$ 25$; G. M., of Conn., \$25; S. \&.S., of M., \$26; A. J. M., of N. Y., \$50 R. W. P., of N. Y., $\$ 25$; S.L. H., of N. Y., $\$ 28$; L. E. P., of Mich., $\$ 20$ R. E., of N. Y., \$41; R. L. S., of Mich., \$220; P. McG., of Iowa, $\$ 20$; L D. B., of Ind., $\$ 20 ;$ WW. H. W., of Wis., $\$ 20$; I. S., of N . Y., $\$ 16$; G. H H., of N. Y., $\$ 46$; M. T., of Iowa, $\$ 32$; J.R., of IU., $\$ 22$; C. T. B., of
N. J., $\$ 16$; N. H.R., of N. J., $\$ 25$ R. R.S., of N.Y., $\$ 61$; W. N. B., of N.J., \$16; N.H.R., of N. J., \$25; R. T.S., of N.Y., \$61; W. N. B., of Iowa, $\$ 40$; W. C., of Mass., $\$ 25$; G. S., of Maine, $\$ 25$; D. \& J. S., of
Pa., $\$ 15$; J. L. J., of Conn., $\$ 25$ J. S. F., of N. T., $\$ 30$; F. B., of Ill., $\$ 15$; Pa., $\$ 15$; J. L. J., of Conn., $\$ 25$; J. S. F., of N. T., $\$ 30$; F. B., of Ill., $\$ 15$;
J. G., of Minn., $\$ 10$; J. L., of Iowa, $\$ 130$ J. C., of N. J., $\$ 16$; Mrs.S. J. G., of Minn., $\$ 10$; J. L., of Iowa, $\$ 130$; J. C., of N. J., $\$ 16$; Mrs.S.
W. H., of Ind., $\$ 16$; J. B., of Ohio, $\$ 15$; T. S. M., of Ohio, $\$ 29$ L. R., of $N$. Y ., $\$ 1$.

Persons having remitted money to this office will please to examine the above list to see that their initials appear in it and if they have be found in this list, they will poase notify us immediately, stating the amount and how it was sent, whether by mall or express.

Specifications and drawings and models belonging to parties with the following initials have been forwarded to the Paten Office, from Wednesday, Jan. 13, 1864, to Wednesday Jan. 20, 1864 :O. C., of N. Y.; A. P., of Chili; R. W.P., of N. Y.;J. H. of England
G. W., of N. Y.; S. M., of N. Y.; S. L. H., of N.Y.; A. P. S., of N. Y.; J. B. H., of R. I. (2 cases) ; A. A., of Cal.; N. H. R., of N.J.; C. T. Y.; J. B. .., ofR. . (2 Cases) ; A. A., of Cal.; N. H. R., of N.J.; C. T.
of N. ; I. L. H., of Mass.; A. J. A., of Ill.; G. S., of Me.; G. H. S. of Conn.; M. L., of Pa.; W. H., of Pa. ; H. S. S., of Mass.; M. B. W. of Conn.; W. C., of Mass.; J. L. J., of Conn.; J. S. F., of Nevada Ter ritory ; C. B. H., of Mass.; S. D. T., of Mass.; J. T., of Ind.; E. A. C. of France ; J. S., of III.; G. M., of Conn.; R.S. H., of Iowa; A. J. M. of N. Y. (2 cases); S. and S., of Il. ; T.
Coon. ; R. E., of N. Y. J. S. U., of N. X.

