## OFFICIAL REPORT OF <br> Patents and Craims

Issued by the United States Patent Office, for the week ending december 17, 1867. Reported Oflctallyfor the Sctentifc american
fatents are granted for seventeen fears the following

| On \#ling each application for a Patent, except for a design <br> On sivar each original Patent. <br> On application for Reissue. <br> On application for Extension of Pätent <br> On पrumity the Extension. <br>  <br> On tling application for Design (seven years)... <br> On fling application for Design (fourteen years) |
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on fling application for Design (fourteen years)
in edidition to which there are some smallreven
or Canada and Nova Scotia pay 8500 on application.
Pamphlets containting the Patent Lavs and full particulars of the mode applying or Letters Patent, spocify ing size of model required, and much MUNN \& CO., Publishers of the Scientific American. New York.
'72,152.-Bolt M king Machine.-Abram Alexander, Pitts-


 fir its equivalent, and the gripping dies of a bolt making machme, substay-
tially in the manner and for the purpose speciled.
72,153 . Machine for M AKiNG BoLTs.-Abram Alexander,
 the same manner, When used and applied do operate the gripping dies closing
machiner described in my improved bolt makin machine, or any other
minbtatiall the same




 2d, The cross head, cat away as shown at s, and provided with the lips
haring theonvex faces, r r constructed an operatng substantially as and
for the purpose set forth.
3d, The suw buck perforated and sioted as described, in combination


 wet fortheight, $Y$, when arranged as herein described and forthe purpose
$72,157 .-D R I N G$ AND SEASoNing LUMBER.-E. C. Bender, York, and Wm. Stefle. Philadelphia, Pa.
We Claim the within fescribed proces or seasing lumber, consisting in
ubjeeting the lumber to the action ot a gradually increased temperature, in

 manner herein set forth.
 IClaim the semicircular spirit block, B, inting and adjusting in the semi-
circular space in the stock A Arranged and operating substantially as and
for the purpose herein tpecifed.






 connected Nmeans substantianly as explained. James R. Bradley and



 4, acting in conjunction with it, as and for the purpose described.
$72,164 .-\mathrm{DEVICE}$ FOR ATTACHIG OVERSOLES 'OO Boots AND SHors. -B. H. Camp, Washington, D. C., assignor to himselt and Rufus
 Louis, Mo. Tha reservoir, A2, the car. B, the chamber. B1, the pump, D,
Iclail, Its., The
nd the pipes, D1 and D2, when combined and arranged as described and see orth The indicator, cc1c2c3c4, when arranged in relation to the dumb

 I claim the guard plate, B, arranged and operating in combination with
he tumiers a a, substantially as and tor the purpose herein mpecined.
72,167 . - MECHANISM FOR CONNECTING A HORSE WITH A

 We claim the arrangement of the connecting bar-case, B, with its bar, C,
and sping amant tide ind intead of on the end of the shatt the eame ren.
adering no reduction of the shaft necessary in the application of the invention
thereto. dering no reduction of the shaft necessary in the application of the invention
thento
Also the combination and arrangement of the spring bolt with the ofocket
piece and he bar, C, its case and pring, arranged with the hant as set forth
 ${ }_{72,168 .-L u b r i c a t i n g ~ C u p .-J . ~ B . ~ C o l l i n ~[a s s i g n o r ~ t o ~ h i m ~}^{\text {scribed }}$



 descrined
ets, The combination of the central hab, and its inclined and twisted $\mathrm{b}=\mathrm{ck}$
ethe with the conical wheel case, all constructed and operating substantiall
 New York city,
I clam, Ist, , invits which are hinged in such manner as to swing freely in
vertical ornearly vertical planestoward and from the wa ter, wand to vibrate








 72,172.-Boat Detaciing Apparatus.-Robert Creuzbaur




 stantially as described for the purpose designed.







 , Smam Rock







 72,181. - M chine Belting.-Vincent Fountain, Jr., Castle-


















 and on rated substantialiv as shown. for the purposes set forth
72,189 . P RESSURE SAFETY VALVE.-Henry A. Goll









, Onio.-Medical Compound.-John Greenwald, Cincinnati,




 deseribibed.
72, 196 .-Lock Fasten to the fater, all substantially in the manerer shown and
72, 196.-Loct Fastener for Lamp.-John Harding, War-


 rranged subutantially as shown and specined.
P2 Plaim, 1st. The combination asd described of the rake arm with the guide,













 2.201. F Friack For Smeliting Precious Metals.-H.







 72,204. -



 thally as and for the purpose descrined
 forth.
$72,207-$ Beli. St. Loumse, Mo.









 2ate D, subatantialy as describe. C. Lyman, Edinboro. Pa.




 scribd 72, GATE- - John M. Mav, Janesville: TWis.






 O. or enuivalent devices. For Treatina Fractures and Dis-



 72, hite - Dry Gas Meter.-Edmund Meredith (assignor to








 72,220 . - Brick Machine.- John North, New York city






 $72,221-$ Har Press. - Geo. Noyes, Pownal, Me., assignor to

 scribed the combination of the with trucks, $o$, as and for the purposes de


 72, desed.





 $72,325$. Machine for Folding Envelopes.-Robert Park



 , Freman C. Merrill, Parisi, Me. B. Petengill, Hebron, assignor to





 $72,2 z 9 .-$ Heating Furvace.-Chas. R. Rand, St. Louis, Mo


















 , beioncint-off Motion for Looms.-George Smith, Cum














 72, 239 Bos:-Man, Mass.







 saref y yalve is computed, asset froth.
72,241 . -STILLS. -1 Isaac P. Tice, New York city.
I claim, 1 th, The arrangement of the filing and discharging orifice of a still
Below the surface of the wash, for the purposes herein
deceribed.

 Forking apmartus.
 72,242.-Stone for Heating Sadirons.-John P. Troxell,


 72,243 .-Bookbinder's Beveling Machine.-H. L. Tumy I cincinnatiti, Ohio. 1 or, The roughened beveling leaf, c,for the purpose above speci-
 72,2 asi-Argand Burner.-E. R. Walker, New York city
 72. 245.-A TTAching Picks to their Handles.-J. P.Walsh,





 72, str.-Cork Extractor.-William G. Waterman, Middle-
 2, 248.-WHIFFLETREE.-Geo. Watt, Richmond, Va.

 Tclaim, St:The manner of operating the feed roller. B, hy the toothed whee


 72,251.-RALLROAD SWITCH. - James M. Whiting, Provi-


 72, 253.-L LaMP Chimney.-J. D. Willoughby, Shippens-

 72,254 .- $\Lambda$ prathatus for Melting and Straining Crode
 I claid the emphoyment of a rotary heating and straioing cylinder, sabstan
Gall in the manner and for the purposeses set forth 72,255.-BJCKLE. - E. L. Woods. Alliance, Ohio, assignor to


 pose
7,257 gec.ised.
STALL
Sortand



$72.259 .-$ Coffee Mill.-John R. Adams, New York city. I claim the pivoted lid of the mill attac hed by an arm to the grinder shaft

 described and for the purpose set torth




 72,263.-Rallroad Weed Cutter.-J. S. Boicourt, Boons-


 TClaim the bow. A. rounds, B and C. bar, D, rod. E, and collar. F. with its
poins the severai parts belng constructed and used as and for the purpose





 72, b68.-Boat Lowering Apparatus.-A. F. Crosman,
 fred. $69 .-$-Stump Extractor.-Alonzo Crowner, Wellsville,







 72,271. - Neevle CASE.-P. D. Cummins, Portland, Me 72,272.-DEODORITING INDAA-RUBBER, GUTTA-PERCHA, ETC.

ed, The process of deodorizing and perfuming india-rubber and gutta-
pert






 72, ning - Renlurad Car VENTLATOR.-William B. Dun-

 IIllaim the erasping claws and handie of chimes tongs, when constructed 72, a76.-RAILROAD SPIKES. - Morrison Foster, Cleveland




 72, 77 .-JACK FOR PULLING Hop Poles.-O. S. Foster, Dur












 tht Also the whole device, when constructed and operated substantially
as eif orth
72,281 H

























 Tramso - Pomaro Dig Ger. -E. V. W. Griifth, Utica, N. Y.


 ${ }_{2}^{2} 2,290$.





 for

 7,















 ghe




 deerribed.
 , $2,303 .-$ SLED.-George F. Krollpeififer, Now York city.
















 7,




- David L. McGregor,













 3d, The vertically-adjustable frame, F, when used as and for the purposes
specilifed.
72 , 318 .-Seed PLanter.-William R. Mozier, Higginsville,
 Thisia.-ProprLLer. - Nioholas Nolan, New York city,

 72,320.-SAil-Releasing Apparatus.-Ferd. Gust Oehme

 D, block, , and hooks, K, with each orther, substantially as berein shown and
decribed, and for the purpose set torth.
72,321 .- HORSE HAY-Fork.-Saml. Page, McAlisterville, Pa.
 operating as specified. Treating Sponge for Producing Tex-
 into iber capable or being felted, spun, \&c.
$72,323 .-L$ LIFING APPARATUS FOR Grain Drill.-C. E.


 72,324.- Comb.-William Pauly, College Point, N. Y.
Iclaim the combination of the two side-combs with the spring
 72,3255-BELTT-FAASTENER-C. C. O. Pike, North Leverett, Mass.

 purpose set forth
The grate, J., constructed and operating in the manner shown and described.
The amper, arranged and operating iu the manner shown and described



 2d, The combluation of the plunger, the spring. and set-screw, substantially
as and for the purpose described.
72,328 . WAsHING-MACINE.-G. Reneky and J. Keiss, Ce-



 colaim. Ist, The soring, g, secured betwecn the sides of the box, A, and
forming its front side arranged in relation the rewith, and with the pawl, f,
asherein shown and described.
 72,330--Brick Machine.-Wm. F. Shanks, Louisville, Ky



 72,331 - WATER-W WEEL.-FI. W. Shipley, Portland, Oregon.
I claim the combination and arrangement of the conical hun, F, and radial
buckets, C C, when arranged at the bottom of the shatt, A, with the upper
 Thich operates in the manner and for the purposes specitied.
72,332.-Inside Window-Blind.-S. W. Shorey, Galesburg,

 72,333.-SEED PLANTER.- John Stark, Thomasville, Ga. I claim, st, The arrangement of the vertical arbor, e, carrying revolving
arms, and respectively below and bbove the bottom of the seed box, sub.
stantillty as herein shown and described.





7, 334.-HARow. - Nicholas Starr, Jr. Homer, N. Y.






 on to acommon carrier or revolving apron, substant:aly as describeai. as-
$72,337-$ TIRE HEATER. - Harry Stroud, Jr., Clinton, Iil., as-
 ${ }_{72}$ par, 3388 .




 27,340- Broro Mast.
 Or other medium or pressure, substantialif as and for the purpose set forth.

 Coriligo arovision upon the oven door for swingling articiestnto and from
the ven, and arranged to be tolded out ofthe was when ont in use, substanAlso, in combination with thefire pot and ash pitt the sifting chamber, pro-

 as and for the purpose set orth.
$72,343 . \mathrm{T}$ TiDAL
N.






## 


 T2,3is.-MODV OF PROTECTING LIKENESEES IN MonUMENTS.








俗
 72,349-Harvester-William N. Whiteley and Andrew

























 The mochine asshown sud deseribed, tor the purposesspeciited.
 $\xrightarrow{\text { the purpose eet torth }} 72,351$. - Boor TREE.-F. S. Wilt, Allentown, Pa



 If clim. the coffee pot above described, consisting of the boiler A, chambe


 \%izposs described.





















 ind The bow, i9, app lied in the suty ters, in combination with the disengag-


 73,364-BINDER FOR PAint Broshs.-J. F. Canning,Boston,
1clasim the binder. D, as mede and applied, when coated with a mixture


 Ii claim the combination and arrangement of the stana ard, D, with the


 72,369 .-IMPROVEMENT IN ORGANS, ETC.-B. O. Church and
 pa, m70.-WAGoN BRAKE. - B. R. Cod wise, Montrose, Md.
 having suitable connecting rods, all substantially as and for the purpose
harein selt
72, trint - MACHINE

 72, ,
 Ti,373.- Bhinvinc Books- William Daniels, Brooklyn, N. Y.
 8perinined.

 ${ }_{7}$ scribed.-SULKY PLow.-Ireneus Donaldson, Toledo, Iowa.









 73, 37 .

 7, sel


 Vith the rack bar on the straight side, and applied substantially w and for











 2 383 - STEAM Pump.-J. B. Gardiner and Edward H.
 rod, c , steam piston, A, plunger, , and reservoir, C , su
72,384 , Oil CAN.-J. B. Gayle, Raleigh, N. C.




 ndit for the purposese speciifed.

 72,387.-MACHINE For
 ng substantillly usirre in described and for the pur pose set forth.
72,388 .
-
 iereindeseribed and for the parpose set forthe Gissinger, Manchester,










 72,393. - MAcmins For Cotrina And Working Fibrous


 ferforth.-Trace Fastener.-Benjamin J. Hartman, Woos-
 orth, 395 . - Rocking Chair. - Edson Hartwell, Hubbards-

 72, 396- - AnNMAL Trapr--Wm. Huntington, Howell, Mass.

72,397.-Road Locomotrve.-E. C. James, Baltimore, Md. I claim the combination of the open whells, with a road wazan, to be
driven by steam, or other equivalent motive power, when operating substan, ind







stb, Inc onbination with the wheel, K, the ad justable extension slide, $\mathbf{P}$,
substantial
ont



 72,400-CUTTNG TooL-Gustav L. Jaeger, New York city
T claim the combination of the sloted and shanked stock, A, guide frame Hittricutter, B, bearing, C , and serews, b c, all arranged substantially as set
fort ${ }_{72}$ frthe 101 .-SLED.- John Johnson. Boston, Mass.

 manner and or the nupharise forth.



 that, asand tor the pur poses setforth. Kendall, Plymouth, Ind., as-
$72,404,-H O R E R$ RAKE.-J. E.

 72,405.
















 , Maxwell Prativing AND DITCHING MACHINE. - Arthur A.

 We claidanan artiancial stone, made of materials and in the nanner substan2, ini3.-Thuilifr Feed Requlator.-William McCormick,





 7,415 . $G$ GAS B BRNER.-G George Mooney, Providence, R. I.











 72, ton, Bayland, Texas.


























 7,


















 72,432.-TAKING THE FORM AND MEASURE OF GENTLEMEN








## pending applications for reissues.

## gatextisuments.

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did free. Address A. J. FULLAM, springtield, vt


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See that our

## See that our on each Iron. <br> RETNOLDS, BARBER \& CO.; <br> 1 13eow <br> Steel Tempering Works, Auburn, N



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## 

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J ENNINGS'S REV Bottom. Simple, Cheap, Efticient, Noiseless,



the following Patents, with new claims as subjoinea. Parties who desire
to oppose the grant of any of theseresissues should immediately addess to oppose the grant of any of the
MUNN \& Co., 37 Park Rov.N.

6,808.-MANUFACTURE OF Boots And SHOES.-William N. Ely,Stratford, Conn., assignee by mesne assignments of Francis D. Ballou
Abingion. Mass. Dated Jan. 10,1860 . Application for reissue received
and filed De c. 5,1867 .
 Stratorord, Con., assignee by messe assignments of F. D. Ballou, Abing.
don, Mass. Dated
Dec. 5,1867 . Dec. 5, 1867.
st, claps orim attaching the soles of boots and shoes by sewing them to we lis
ibed. Cutting away thetable, A, or part where the work is to be supported
he neede to operate so as to preent the work to te nee de with
er facility forstitching the shlanks of shoes or concave lines of work
 ing of the machine for the purpose of supporting the ar cicle at the point of
ing
sint
 ot h, The lip or stand ard. c , when was as a guard or gage or support, or all
rthem, substan tially as d escribed.



 13th, The projecting curved perpenaicular plate, B, with standard, 0 , sub-
2tantialy as and forthe purposes described.
20,134.-LAMP. Winat $W$.
 1st, claim suspending the body of the lamp within an outer case so ar
ranged that the shirshall pass within the case and around the lamp body to
the fame sustantiall as described.







 bined substantially in the manner and for the purposes explained.
59,466 .-Schoor. DESK AND SEAT.-Calvin W. Sherwood, Chicapo. II. D. Dated Nov, AND SEAT.-Calvin W. Sherwood,
filedpec. 1866 . Div. A.











 New Yorkcity. Dated March 13, 1866. Application for reissue regeived
and file Dec.
I claim in a 186. lurricator for steam engines a movable cap or valve and a
 to purpose specified.

Note.-The above claims for Reissue are now pending before the Pat ent oficeand will not be affcially passed upon until the expiration of 30


A NEW VOLUME.-Look out for the January Pictorial Double Number of the ILlustra ted Phrenologioal Jousnal, with portraits of Kings,
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Relations, Love, Courtship, and Marriage ; Education and Self-Improvement; Choice of Pursuits, with other and Self-1mprovement; Choice of Pursuits, with other
mattersall ought to know, to be found in no other publi$\begin{array}{lc}\text { cation. Only } 83 \text { a year, or } 30 \text { cents a number. } & \text { Address } \\ \text { S. R.Wells, No. } 389 \text { Broad way, New York. } & 12\end{array}$

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