## OFFICIAL REPORT OF <br> Patents and Claims

Issued by the United States Patent Office,
For the week ending january 7, 1868
Reported offcially for the Scientijic American.
patents are granted for seventeen fears, the followin




Inditionto which of Canada and Nova Seotia pay $\$ 500$ on application.
(\$) Pamphlets containing the Patent Lawos and rull particulars of the mode of applyng for Letters Patent, specifying sizzor model requived, and much
other information use ful to Inventors, may be had gratis oy add ressing $\boldsymbol{M O N N} \&$ CO., Publishers of the Scientifc $A$ merican. Newo York. 72,959.-Churn.-Henry W. Adams, Milton, Pa.
 pardores deocribed. ind in combination with the e churn, B, when connected
and operatee substantialy in the maneer and for the purposes herein set
and ${ }_{7}$ 7rabtib0.-Ice House Floor.-Joseph Barbian, Chicago, Ill.


 $72,962:=$ Wis

 72, 6











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IThass hansing the heddles in their frame at one end to a common bar, but
at thalr onpsite ends to two or more bars, substantially as and for the pur-
posed deserved














 72,974.-Sewing-Machine.-Wm. Chicken, Chelsea, Mass.


gtantially as described. ©
ate claim, 1st, The phates, I and F , when connastructed and arranged to oper.

 liclaim the pecolilia and particular arrangement of the guilees and






 W. Crosby, Toledeo. Iowa.
I claim the
methoch, substantality as






 deseribed.
7, Saw
R.











 72,987 . LET-OFF MECHANISM FOR LOOM.-George Draper,


${ }^{2} 2,988$. -Trunk.-Jonathan Smith Eaton, Roxbury, Mass.
 Iclaim the process herein deseribed of brewing mat liguork viz.

 ${ }_{72,990 \text {, } \mathbf{N} \text {. } \mathbf{Y} \text {. }}^{\text {desvester }}$ Rake.-Vanderlyn H. Felt, Roches-





 rear veliceanized, substantialiy as and for tue pur pose her ein deseribed and
rat,993. H Holder For GUM Scrubber.-Leonard Flecken-
 Ise of a socket and screw bolts, tubstantially in the mannershownand spe
72,994 . - Composition of MATTER FOR THE MANUFACURE
7 ,




 2,997.-MANUFACTU IE OF CLAY PIPEs.-Geo. D. Goodrich




 Thork city, to which the clamps are ninged when elastically seated, sti 7,1
7
Icha -


 ${ }_{73}$ itoond.-SA wing Machine.-I. R. Harman (assignor to him-
 and
73,001 .-A A PRARATUS For Clarifing Saccharine Juices


 73 ,002.- Plow and Harrow Combined.-James Harsha
 73,003.-Elevated Railroad.-Charles T. Harvey, Tarry







, or beams, c c, and the wooden tillng, do substantialy, as above de



 Itctaim an, wite stand, cornposed of one or more sections. each made of a


 Calim the apparatus constructed, arranged, and operated substantialiy as
dator the purpose dessribed. 73,008.-1NVALD BEDSTEAD-Wm. Heath, Bath, Me
 Also, the combination of the morabil arracket, N. and its supporting rod




 solid end of the cap, $C$, substantially as and for the purpose herein set forth.
$73,010 .-$ Boors..-James Holland, Coushohocken. Pa


 73,012 - Lantern.-John H. Irwin, Chicago, Ill.


 with the bill or alarm, in the manarer specited.
73,014 .-FASTENING OF JAR COVER.-J. F. Johnson, New
 73,015. Water HEater for Fire Engines.-Peter M. Ka-




 73,017.-Breand Cutio. Cutter.-John Madden and I. G. Haserot,


 73,018.-Confection or Cake.-Wm. Manning, Chelmsford,


 73,020- SEeder and Cultivator.-Henry S. Matteson,



 sperifted phuns, a a, for raising and lowering the tubes, substantially as de.
describena.



7nd operated int the manere and for the par pose set forth.








 7,1 erein described.




 73,029--VELocipede--Martin Newman, Unadilla, N. Y.隹









 ICoant Mille


 $73,036 .-$ Axcrion. - D. C. Pierce, Clayton, N. Y.






 $T$ tis


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 73,055. - Journal


 73,057.-Manufactore of Illuminating Gas.-Levi Ste-

 73,058.-RaILWay Chair.-Isaiah Tillson, South Abington,

















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 Andind




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 Bin



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 3,072.-Ker Codipleng for Mubical Instrdments.-Jonas


 73,073.- Apparatro for Carbureting Are-William W
 ${ }_{73,074}$.-Cane and Umbrella Combined.-Geo. Bockstaller


 73,076. - Constridetion of Lumber Wagons.-8. D. Car


 77,
 7r,

 ${ }_{73,079 .-M a c h i n e ~ f o r ~ P r e s s i n g ~ B r i c k .-W m . ~ H . ~ C o o m b s, ~}^{\text {seribed }}$ Fort Waye, Ind.
claim, 1at, Thimprod brick-pressing machine, constructed and oper-

 thth. In combination with the mold and a pressing plunger or parso on, the
tuat












 Th, Also thit mode, herein described, if undergraduating the stralght edges 8 8th, Also, the process, herein described, of reducing the gradnated edges to the properstandard by tempering.
73,083.-STEAM GENGRATOR.-John H. Duhme, Cincinnati,

 3,084--Boillers for Heating Apparatus.-C. R. Ellis,


 Iclaim the arrangement and combination of the sald iron fngers, hopper,

 73,088.--PITTUREA AND OURTAIN KNOB.-J. Gardner, New
 73,089.-LUbricating Compound.-E. J. Gerdom and C. W.
 73,090 -Fineld Fence.-I. A. Gormly, Bucyrus, ${ }^{\text {Ohio }}$
Ins and wedges, substantially as described. I claim, 18t, In a base burning stove or farnace, which has a enpply cylln-








 10th. The combination of the eectional lining, h h, with annular circulating
pace, G, and jacket or wail, D, substantially in the manner described anal






## 3,092.-A Arparatus for Distillling and Rectifying.-

 3,093.-RECIRROCATING BALL TOY.-Theo. D. Haehnlen,



 73,095-WORM FOR FOR GEARS.-Dennis Harrigan and Joel
Whitney, Winchester, Mass.






















 fintio6.-P AnTalioon Protecting Guard. - E. Lindsley,


 In combination with thee abore, the rivets, $\mathbf{C}$ c, and plates, $\mathbf{D}$ D, arranged
as described and peccife.
73,108 -CURTAIN FIXTURE.-T. J. Marinus, Independence, I Iowa.
Ind fiam . The ant, Thematic. clamp, $G$, when constracted substantially as
and for the ane specified.









 and belt, II, in the mamer substant aly










 Ruriois sporinderion Rourer. -C. W. Piere, Abuny, N. Y.


 73,119.-SEwriva Macrive-George Rehfus, Philadeiphia,




 73,121. - Tricker Howbr. - N. J. Richardson, Lowell, Mass.
 73,122.- GLusass Lasp.-D. C. Ripley (assignor to Ripley \&



 73,124.-Apparatus for Generating Gas.-D. F. Scheaf,



73,125-C CrovN- - Conrad Schifferly, Bourbon, Ind.
 , $126 . \mathrm{Y}$ - DIVIDER AND CALIPER.-E. S. Scripture, Brooklyn,



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 I. A. F. Lhe constracton applcation and arrangement of a protecting 73, Sise-safert Padiock for Rallzoad Cars. -George W






 ${ }_{7,}, 1355=$ MEDCRAL

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 73,143 .-Scury Plow. - Joseph War wick, springboro, Ohio




 73,144- FLoork Dvpren. - Milies Waterhouse, Passaic, N.J. J
 archi,

73,146.-Process of Manufacturing White Oxide of


73,147.-Apparatus for the Manufacture of White OxiDr or Zing--Samuel Wetherill, Philadelpha, Pa.
Iclaim the combination, FFth the furnace, of one or more cham bers, com.
municating with maid furnace, and adapted to contain incandescent coals,


 7r, i48.-Hames-Tve Buckie--Ludwig Wetzell. Washing


 Also, making the partsof the hames relatively adjustable laterally, sub
stancially as anove decerrbed. 73,150.-Water Wheel.-Courtland B. Wilson and Abner

 purposiset fort






 and
 couis Baum, washington, D. C.
 ${ }^{73,155 . j \text { - Car seat Lock.-G. W. R. Bayley and John Mc }}$





 33,158. Ait thachment for Plow.-Wm. Bennett, Rushville,





 , co.-sluice Blanket.-Abraham Block, San Francis-

 Th, 16.
















 ,ind




 3,169. -Groom or Brush Holder. - Anthony G. Davis (as-

 $73,170$. Tire Shrimger. - Edward B. Decker, Bedford, n.

3,171.-Extension Clothes Post.-George Dittenhaver,




 Ti,











 Sidecitive.-HAY Knire.-Charles A. Fisher, Geneseo, IIl.













 $73,183 .--$ CAR AxLE Box.- Geo. H. Henfeld, San Francisco,










 ${ }_{73,188}^{\text {forth }}$-Spring Bed Botros.-Gottlieb Koenig, Plymouth,







 7ot,














 73,198.-Ice SLEIGH--John Rancevau, Carthage, N. Y.














 Iclaim sealing a preserve ear by raising the cover in the neck of the jar
stead of lowering it, substantialiv as described. 73, 203 . - ENVELDPE.- F. Marion Shields (assignor to himself
 73,204, -THRESHING MACHINE.-John F. Skinner, Brasher
 2ad. The sprino, N, pulley, h, and lever, M, arranged in connection with the
 1 claim the stationary cutter. A, the movable cutter, C, the lever, E, and
the plates, B, constructed and arranged substantially as herein shown and
described, for 72,206 .-GATE.-Guaius P. Stebbins, Sparta Centre, Mich.

 I claimer, sJ, Steele, Nire eet York citv,





 73,208.-Tinners' Forming Machine.-William Stine, bl morc, Ohio.
I claim the fiaring gage, a, in combination with the rollers of a tinman,
orming machine arranged and operating substantlally as and for the pur pose herein described.
7,209 -- PLOW.-Jam Urie, Evansville, Ind

 entire length upon one side and the hor izontal partor land side forming the
langes upon its rear end gradually decreasing in vidth toward the for ard partall cast in one iece, as herein sliown and descrived. $\mathrm{N} . \mathrm{Y}$.
 groove of the tooth, as neren shown and described.

 scribed for the purpose apecilient.
 means of pressure upon the bar. H, ine spring, E, permitting sar 1 grapers to
yield othe inequaitites of the track, as herein set forth tor the purpose
specifed.
 G, its sections, c d, pivoted to the ears, th the sechon, c, connected to the
operating bar,', as herein set forthror the purpose speciled.
73,213 .-VENTILATOR AND INDOW ScREEN.-J. R. Wharry,
 Fhen disposed without metal bar, e,andiever. E, substantiany as dor of a winuow frame, substantially as
 73,914.-MACHINE FOR SAWING LATHS.-Emery T. Wheeler






 73,215.-Water Wheel.-George W. Wheeler and George We claim the combination of the three sets of buckets, a b , and the in
 73,216. $-\mathrm{M}_{\mathrm{A}}$
Savannah, Ga Savannah, Ga.
Iclaim 1 tht The spring catch, e, and handle, d, in combination with the
pr esser, C , bar, c , and gage, A, ail made and operating substantially as here



 73,217.-Coltivator.--Joseph Widman, Panola, Ill



73,218.--Bed Bottom.-S. J. Wingate, Decatur, Ill.
 73,219.-Shingle Machine.-Horace Woodman, Saco, Me Iclaim. 1st, The revolving table with its feedingand securing mechanism
onst ructed substantialy as described in comoination with the rotary
 Nice oflice of this paper.-EDs.

## PENDING APPLICATIONS FOR REISSUES.

Dication has been made to the Commissioner of Patents or the Reissue of the following Patents, with new claims as subjoined. Parties who desir
to oppose the grant of any of these reissues should immediately addresa MUNN \& Co., 37 Park Roo, N.

1,955.-Suspension Bridge.-Charles Bender, New York





 5th, I claim one or more rollers, or pieces of rollers, with or without jour-
nals, placed on the end piners of stifened suspension bridges, subetantially
or the purpose specifidet.

 rth and described.
0,648 . Le LasT. Ambrose Taylor, Osawatomie, Kansas.
Dated Nov. 5,1867 . Application for reissuereceived and fled Dec. 27,1867 .

 B, sabstantially as shown and described,
595.-APPARATUS FOR VULCANINING CAOUTCHOUC.-George
E. Hayes, Buffalo, N. Y. Dated March 5, 1861. Application for reissue



 3d, A mercury chamber formed in the upper section of the vulcanizing
vesti, the sume hbing constructed and arranged with the thermometizr es thtiall The desen ring. C , in combination with the bottom, A, band, D , and
cover. E, suostantiaily as specifled. 44,130-METALLIC CONCENTRATOR.-ZEnas Wheeler, San Francisco, Cal.
Heled Dec.
IT, 186.
 ind with a vibratory or oscililating pan or concentrator.
3n, 1he opening, $D$, in comblnation with a vibratory or oscillating pan or concentrator.
tht, The bowl, , and tube, $F$, or either of them, in combination with a
fibratory or orcillating pan or concentrator, substantially as and for the 26,201.-FLUID METER.-Napoleon A ubin, Montreal, Canada,
Dated Aug. 19, 1862. Application for reissue received and flled Dec. 28,
 situmng boves, and the whole inclosed within a proper receptacie o on
anining avalv seat, and constituting 2 flud meter, constructed and operat-

 halso claim the use in fuid meters of a diaphragm when combined with a
shrts
pose alide veve vale rit the eabove description, substantially as and for the pur1 also claim the use in finid meters of compression springs when combined
with ashortslide valv of the above description, substantially as and for the

 6,627 . - Machine for Cotting Dovetails and their







 I claim, 1st. The combination of a socketed cross bead with a binder tav-
to the two ends thereot united, the combinatioa being substantially such as
eescribed.
 eencribed.
sing combination of a socketed cross head with a handle and a binder
aving the tro ends thereor united, the combination being substantially






[^0]The richest silver mining region in Europe, at the present day, is the Aus rian dominions, at Prabram, in Bohema, Some of the ores found in that lace are remarkable, one vein in particnlar being composed almost wholly
of ruby silverores. Some of the zinciferous ores in this vicintty contain a ery large percentage of cadmium, as compared with the blendes of othe pepth of more than 1,s00feet, with no appearance of giving out,


[^0]:    T Nore.--The absoveclaims for Reissue are now pending bsfare the Pat
     oppose thegrant of any of these claims should make immediate appli cation. $\quad M O N N$ \& CO., Soicitors or Patento, 37 Park Row, N. Y.

