## OFFICIAL REPORT OF <br> Datents and Cuaims

Issued by the United States Patent 0ffice,
fou tife wees ending november 19,1867
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PatRNTS ARE QRANTED


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Q:8- Pamphlets containing the Patent Laws and full particulars of the mod of applying for Letters Patent, spocifying size of model required, and much
other information useful to Inventors, may be had gratis by addressing $M$ NU N \& COO., Publishers of the Scientifc American. New York.

70,933.-STEP-LADDER.-M. E. Abbott, Bethlehem, Pa




 ch claim the combination with the , gliss bulb, A, of the metalic or mica



 70,938.-HOOK FOR HOLD-BACK STRAP.-William A. Bagley,
 C, 0,939 . Bow





 ITliaim, in an elevator or hoisting apparatus, as degeribed. the combinat










 70,947 .-PADDLE-wHEEL.-Edward T. Bostrom, Newnan,
 seribed. for the purpose specited. ${ }^{7}$,948.-STEAM ENGINE.- Eugene Bourson, Brussels, Bel-























70,955.-ToweL--John Cash, and Joseph Cash, Jr., Coven Wectaim, as an a article of manufacture, bath or friction towels, manu






 70,959.-Churn.-Charles Colby (assignor to himself and















 purposes set Iorth. FOR MAkING Cores For CASTING GLOBE


 ${ }^{7}, 0667$.-Washing Machine.-William W.Cox, Carbondale,
 ad. The above, in combination with the treadle, E , when the same is made 0,968.-Tool Supporter or Rack.-Zenas M. Crane, Dal-

 0,969.-Manufactdring Bricks.-E. W. Crittenden, Pitts-







 70,7 and.- PLow.-Jonathan R. Davis, McKay, Ohio.

 70,973.- BotTLE WASHER.-Henry B. Davison, San Fran

 70,974.-Trundling Hoop.-John G. De Coursey, Phila-
 ${ }_{70} 0,975 .-$ Boor Tree. - Peter De Vries, Adrian, Mich.
 70,976.-HAREESTER RAKE.-Wm. P. Dillman, Joliet, IIll
 ond, A Again a arrester so constructed that nue
ont
und
nd
b, or itsequivalent.
 70 ,988. Rock-DRILING MACHINE. - George Downing (as






















 ( $0,88 i$ i.-Bottle Stopper.-Howard B. Fox, Oxton, an

 70,987. MACHiNe For Picking Hatr.-Franklin Frey, Lib-







 70,990.-MantFacture of White Lead.-Isaac M. Gatt


 or lead, as herein set forth.
tonh The mane morphous white lead by the method sub.





 Depot, Masid Alice for cutting boot and shoe heels composed of a pla-







 0,995.-FTRNAEES FOR ROASTING ORES.-Henry Goulding I Silver city, Nevada,
iegaind, 1 Ist, The rosting of ores in molds or chambers, substantially as




 70,996.-APPARATUS FOR MoliviNí Collars.-Solomon S.



70,998.-DIE FOR Fomine the CLA Ws of Hanmers.-Henry

 K. arranged and operating substanially as deseribed.
$70,99$. .
ONCRTE
BRICK




 71,01.- FLEEDER FOR CARDING MACHINES.-George S. Har




 71,003.-Shank Springs For Boots and Shoes.-Edward
 71,004--Method of Drying Gunpowder.-E. E. Hendrick,


71,005.-Ligiting Gas by Electricity.-John M. Higgins












 Hinge
71 , to Hope and Companyl) Providence RAR. - John Hope (assignor




 marfinee
$71,012 .-$ Bolt Machive.-Wm. W. Hubbard, Philadelphia









 71,015.-GOVERNOR FOR STEAM ENGANE.-Reuben K. Hun-



 and the governor made and applied thereto,natuzantinily yaget forth. , St.
 ${ }_{71}$,oti . . SAsi


 pit,
 ${ }_{7}$ tatatially as and for the purpose eet forth
 manner and tor thopurpose described and est torth . 1 .















 $71,028 .-A P$ Pararatis For Charging Soda Water.-John


 71.
 11,031 . - Window Buind Fastening.-Benson Mayo, Chat-

 1, 0 MC













, , elastic Gussets for wearing Apparel.-Jame

and for the parnassen pecified.

 Itoni, Inthe construction of a machine for molding tiles for dra: ins by mean
 91,011-SPRING BUCKLE.-J. Ferguson Morsell, Stamford,










 Iclaim the combination ot the eqg, A and B,pivoted at H, the handles, D, Mi,046.-LEVER FOR RALLROAD CARS.- Jay Noble, Rochester Inciait the lever. 1. jack 2 , and fulcra, 3 and 4 , constracted and arranged a T1,047. SHOW STAND. Johu G. Onk, Owensville, Ohio.
Ticlaim a show stand constructed substantlally as and for the purpose de fri,048.-Machine for Cutting Pasteboard, etc.-Samuel


 ,
 Renta, and pipe, E, for tne parpose especified.
71, 51 - LABBEL HoLER FOR RAILROAD CAR.-John H. Par-





 71,










 71,05S.-AppARATUS For PriNTING Tin Foil.--John Polhe.



71,059.-Horse Block and Hitching Post.-Geo. W. Pres-









 71,063.-RAIIWAY CHAIR AND SLEEPER.-Leonara Repsher


 ${ }_{71}$, OFb.












 1,


 1,


 any proportions which will answer the purposes.
$71,073 .-$ BURGLAR ALARM. -D. B. Skelly, Lockport N. Y.


 ${ }_{71}$,ont

 berizoon. Woll
$71,075 .-$ Bollet Machine.-W. Spillman, Marion Station,





Boston Masi. Mind

 ${ }_{71,078}^{\text {set forth. }}$-Atraching Thills to Carriages.-Wm. Starkey,



 71,080.-Drop Press.-Norman C. Stiles, Meriden, Conn.,








 int, 081. Dener Door and Grate Spring.-Enos Stimson, Mont-







## $\underset{\substack{\text { end in the } \\ \text { specifed. }}}{ }$

${ }^{11,084-W r i t i n g ~ A p p a r a t u s ~ f o r ~ t h e ~ B u n d .-J o h n ~ S y i n ~}$

 71,085.-Bronzing Machine.-J. F. Tapley, Springfield


 purpose described.
sta, The spring, , in combin
and for the purpose described.
71,086.-Machine for Digging Post Holes.-J. Thompson


71,087.-HAND Loom.-T. Henry Tibbles (assignor to himself

 71,088.-StUMP Extractor.-John Turner, Grand Haven,




 ment of the wiole for the uses and parposes herelin specififd.
71,091 . MACHINE FOR CUTING AND FORMING Wire.-J.
 substantially as deecribed.
 mond, III, assignor to himself, Jonathan S. Roberson, John Black, and E




 71,094. FouNTAIN BR FBSH.- Joseph B. Warren, South Dan-
vers, assignor to Geo. B. Melcher, Salem, Mass.
 and extend through an opening or slot in the side of the case substantiall
 ${ }_{71}, 095 .-$ Rubber Shoes.-J. Weidenman, Hartford, Conn.
 as he, The combination of the carved arms, B. with the bar, A, substantiall 71,096.-Broadcast Seeding Machine.-Augustus Weit




 71 nose set forth. - Harvester Rake.-Peleg Werni, Chicago, Ill.




$71,039$. - Corricqatted lron Revolving Coal Screen.-E.
 substantiallit in the manner a nd for the purpose herein described. Wetzel,
$71,100 .-M_{A C H L N E ~ F O R ~ B E N D I N G ~ T M R E S .-D e n n i s ~}^{\text {a }}$

 71,101. Le Lubricator for Carland, Me. Carriage Wheel Bearings. -
 71,102.-Carg-Brake and Starter.-John Wiley, 2d, South


 71,103.-Printing Apparatus.-J. M. Wilbur, Cleveland


 ${ }_{7}^{\text {rorth. }} 7104$.-Stereotype Casting.-J. M. Wilbur, Cleveland,
 Rorthe H, HaxD Sramp,-J, M, Wilbur, Cleyelana, Ohio.

71,106.-SAFETY ATtachment for Pockets.-Edward Wil-
710.-S lianne NeF York AtT
I claim the sarety-attac
 range and combined to operate substantially as specified and for the pur
pose est forth.
71,107 MeANS For SECURING and Releasing Horses.
 ,





i,110.-BurgLar-Proof Safe.-Linus Yale, Jr. Shelburne
 71,111. - SNOW-PLOW.--J. S. Zane, Pleasant Plains, Ill.

 ${ }_{\text {I claim 1 }}$ 18t, The arrangement for conjoint operation, of the tongue, $t$, and


71, 113 .-Cotton and Hax-Press.-B. B, Alfred, La Grange, I Gaiam 1st, The combination of the slotted levers, $\mathbf{L} L$ L, with the bux $\mathbf{D}$
 71,114.-Apraratus for Raising and Lowering Window-
 Teference to each other and a window bind.curtain, ecc., so as to operat
substantaly inthe manner set forth, the combination being substantrally
such as described. 2d, The Thembliation of the slit, guide and chain with the lever. which,
whin lifted moves the carain out of the silt, the combination being substanti 71,115.-DINNER PLATE.-J. K. Andrews, Ant m, Ohio Iclaim a plate provided with particions in the center and with a rim in he usualform, for the purposes set forth.
11.16, -B
claim theplate, , formed substantally in the manner herein represent
d, for the parpose of conining cogether straps without stitching or riveting, as herein tully set forth.
$71,117 .-M A L T$
HoUsE or
KilN.- Wm.Appleton, Albany,N. Y


 71,118.-CARRIAGE SPRING.-J. B. Ashley, (assignor to him
 tantially as and for the purpose described, Atwood. Trenton, N. J.
$71,119 .-$ ArTIFICIAL FUEL. - J. E. Atwor telaim artifcial fuel composed of coal tar,coal dust, peat and lime, enb


 der, The combination with the impression and pattern cylinders or a regis-
3dirng betit, oonstructed and used substantiall as and for the purposes here-
inspecifled the. The special devicesherein described, forsecuring the pattern platest
he cylnder
1,121 .-Piston Packing for Steam Engine.--James Bar wick, and Samuel Tindall, Silvertown, Eng Engine.--James Bar
 1,122.-PUMP.-John Bean, Hudson, Mich
 71,123. f-Lath. Par io, Fran ce.
I Iciaim apendant handle or tassel, of any material, acting apon a carriage
ock with a lever or other apparatusin place of the fleed hand les at present 71,124.-METALLIC Capsules for Bottles, -Wm. Betts,
 per manently imprinted, for the pparpose specified.

 It ton, Mass. coustractcd, arranged, and operatiag substantially as specified.
 olister cup. stanstantially as described. with chamber in its lower end for
ad, Conatructing the bobin holder, D,
eceivint the sleve which is formed upon the oll cap. E, said holder bein
 cribed The ontlets, d d, through a chambered bobbin holder, $D$, or the equiv
4thnt thereof, in cnmbination witha device which allows oil to rise from cup E, substantially as and for the purpose doscribed.
Ni, Y.
VINE
SUPPORT.-C. T. Bush, Rensselaerville I. F. Y. . 1 st, The cap, s, provided with one or more sockets, constructe
oubstantially as and ior the purpose set forth.
 1, 129.- Coal Stove.-William M. Bush and Thomas B We claim, 1st, The combination of the annnlar horizontal plate, H, and
nnular converging plate, B, forming aciose fiue for the admission of ai
 71,130.- WooDEN BUIIIDING.- Joscph Busser, Troy, Ohio. I claim the eonstruction of the onter, or both the inner and outer, surfaces
of the outer wallo or wooden building and the walls themselvegof plank
ahape and 71,131.-SEwING MACHINE.-Caleb Cadwell, Waukegan, Ill






 71,132.-HARNESS Roserte.-G. S. Caldwell, Syracuse, N. Y.
 71,133. -TrANSPLANTER FOR GARDER UsE.-Hiram Car-



 4th, The Plotted bar, G, and lever, H, for the purpose designed.
5th, The ocmbination of the cultriato and planter when bailt substantially si hereinbeefore set forth and for the parposes specifled.
$71,135 .-$ BLIND FASTENING.-EdWard A.
A.
 1,136.-GARMENT Supporter.-H. M. Clemence, Worcester
 $71,187$. -Horse Hay Fork.-Abraham Coates, Watertown, Nigim, 1 st, In hay forks such as described the combination of a center
bar wede shaped or provided with inclined dides an specilipd with claws or
barbe pivoted to the sheath of the fork and provided with
 oses herelinbefore stated.
nd The sombination with the slot center bar and wedges formed there
To the claws or barbsplvoted to sheath of the fork and constructed and

 napy be actuated simultaneously and at one operation, as set fort in positio

 71,139.-BUILDING ECAFFOLD.-N. B. Crawford, Bennington, Vt, the scaffold poles, c, fitted to be extended in leaze th as set forth in
combination with the winch'barrels, f , trames, m , and plailorm, n , as and for
 71,140 .-SCAFFOLD FOR Roofs,-N. B. Crawford, Benning.


 ation with the heatere provided with plates, $\mathrm{H} H$.
I claim filling the e enater of the heacer with gysum, fire brick, or some
 tantialy as deecribed and or the purp pses set torth. Da Camarah, Jr.,

 frith. 144 .-TUBe WELL--T. J. Dean, St. Louis, Mo.
 71,145.-Self-lubricating Gib.-W. A. Devon, Port Rich


 We ciaim the braces B B, pivoted at their upper end to the blocks which
connect the panels or to the posts, substantially as and for the purpose set 71,147.-Fence.-Benjamin K. Dorwart and George F. Rote
 tiorthe sivel block, H. as constructed and used with the permanent pos
nd, Thel, 71,148. - NAIL PLATE F EEDING DEVICE.-Daniel Drawbaugh,





 1,149 -
 set forth. combination of the solid breech block, B, when constructed as de-
sei, The che hinged barrel, $A$,he projection, E , and the hinged sercw rod, b ,
seind the 71,150 .-HoLDER FOR LAMP and Gas Shades.-Charles W.
 71,151. S (SARRIAGE Top.-Sidney Emmones and Elnathan
(Simpon, Geneva, N. Y.
 h1,152.-ADJUstable Cultivator.-John W.' Ernst, Heid-
 71,153.-Propeller.-William Fields, Wilmington, Del

 1,154.-Pocket Book Clasp.-D. E. Fisk, Springfield, Mass.
 71,155.-G Wout Conductor.-W. S. Follensbee, Janesville,



71,157.-TEREAD CUTTER- W. W. L. Gallaudet, New York city.






 71,






 OOY Prsto L Job Ho Hall (assignor to himself and







 parpote ter forthat









 $\% 1$, 16 ity. - Screw Nails.- Hayward A. Harvey, New York

 Si, Cura Counts, Cal. HAY-FoRk.- Isaac J. Hattabough, Santa


























 71,178.-CALIPERS OR DIVIDERS.-M. G. Imbach, Hartford
 71, 7p9.-PLatrorm Scale.-George W.Jackson, Wyalusing,



 7ose hereln set forth.










 1,185 .-Cossrro



 71,1866. DEvIICRFOR SUSPENDING AND Detaching Articles



 71,187. Window Shade.-Philip Lindemeyer, Hoboken, N


 fed ${ }^{\text {fid }}$, 188 - AnimaL Trap.-Nathan M. Linton, Wilmington, O









 71,191- - Process of Scouring and Cleansing Wool and 1 clatim, 18t. An mproved processfer scour ing wool and

 di, 192.-System of Measuring and Cutting out Dresses.



 71, 195.-Gate Fastening.-George McCoy, Antioch, Cal.
 71,196.-Invalidand Fracture Bedstead.-Thomas Mc-




 71,197.-Artiftial Leg.-Abner McOmber, Schenectady


${ }_{71,198 .-H a y}^{\text {heren }}$ Raker and Loader.-Gideon C. Mead, Guil ford, N. F, The combination with theningepiece, $\mathbf{a}$, and spring, b , of the



d, in combination ซilh he thafte, be weights, g , bars, d , and platform, b , sub11.200 - PRinNTRR',




 Rclaim the aiverging levers, or ciaspo, Whe 71,






 1,205 .-P Photocraphic Appartus.-Octave Nicour, Paris,






 71,200.-ANNMAL TRAP.-Harrison Ogborn, Richmond, Ind.



 herein expelined.









 (cilaim the bares AB and Co, and spring, Do constructed and arranged to perate in the manner and for the spring. D, consith
71,210.-Composition For Coating Wood, Iron, Paper,
 it it equiraent, when made nto nheets or orated ont ibtoun, porous, sd, As a new artice or manaracure the compositionsubstantlally as her



 1, the Fillot Fotsin Mille



 The combnation and arrangement of the plvoted catches, i , and th















1,200.- Bayz W alker.-Joseph Rohr, Batesville, Ind.







































 part mhich cleazese the ground, in the form herem described and for the pur
poser biereln mentioned.















 ${ }^{\text {ass inowi. }} 71$ LAMP, - Cornelius St. St . John, Charlestown, Mass.







 71,244.-Air Heating Fiurnace.-John M. Thatcher, Ber-




with The elldidng deaad plate or ront barer to the rrate, in combination w rat cort
into
hot
and $\xrightarrow{\text { g }}$










































 71,255.-Harvester. - Wm. N. Whiteley, Springfield, o.


 PRodocrs.-Chales P. William P (asigignor to himeelf and George T. Leew







 $71,569$. Machine for Cutting and Punching Flinet




 71,260.-Grate, Fireplace, and Furnace.-Wm. Young,


REISSUES.
2,799- ELEEATED RAILWAY.-P. Andrew, Cincinnati, Ohio




 2,800- Harvester Rake.-Chas. F. Davis, Auburn, N. Y. Y





 ${ }_{2} 802$.
 2,003.-Machine for Cutting Paper.-Hervey Law, Chat-

 described ${ }^{1}$


## DESIGNS

2,831-- PRINTER's TYPE.-David Bruce,Brooklyn,assignor to ,832.- PRINTEER's TTYEE.-Julius Herriet(assignor to David 2,833--ORNAMENTAL TyPE.-Edwin Charles Ruthven, Phil ,834.-Trde Mark.-Joseph Scholfield, Constantine, Mich. 2,835.-Satchel.-R. M. Seldis, New York city
,836.-Sewing Machine.-W. G. Wilson, Cleveland, Ohio.
pending applications for reissues.
Application has been made to the Commissioner of Patents for the Reissue of
thefollooing Patents, with newo claims as subjoined. Parties who desire to oppose the grant of any of these reissues should immediately address MUNA \& Co., 37 Park Rov, $N$.
21,576.-LaMP.-Rufus Spaulding Merrill and William Carle



 4th. The combination of the deflector and other parts surrounding the
pper end of the wick tube with a sildugor adjustable sleeve mounted
pon said tube under such an arcan





 45, 398.-Heating Apparatus.-Thomas S. Clogston, Boston, Dec. 13, 1864 application for reissue received and flled

 18,175.-Type Setting and Distributing Machine.-The








 as described.
sth, The cam, $\mathbf{n}$, and lever, try, wher eby the gripping boit, o, is withd rawn
and made to release the type,




 16 th, The adjustable indicator points, o5, on the conveyers, substantially
as
17 th for






