## Patents and Crams

Issued by the United States Patent Office,
FOX THE WEER RNDITVQ DECEMBER 10, 1867.
patents are granted for seiventain xeaks the rollowide Inflinn eneale of fees:-




In addit on to which there are some small revenue
$\square$ Pamphlets containting the Patent Laws and run particulars of the mode ing for Letters Patent, specifying size of model required, and much other information useful to Inventors, may be had gratts by add
$M U N N V$ de CO., Publishers of the Scientifc American. Newo York.
71,836.-Machine for Notching Knitting Needles.-W





 mechanism ior operating, substantially as explained.

 scrithed, sng tor the parposes siown.
71,838 . Too F FOR SIING LAMP CHIMNEYs.--Lewis J. At
wood, (assignor to hininelf azd Holmes, Booth and Haydens), waterbary
 speciig,
 shown in the accoupanying drawings, and for the parposes set forth.
71,840 . SpRING-BED Bottom.-Alonzo B. Baty, Bingham
 Tor the purpose set forth. -H. L. Beach, Montrose. Pa., assignor



 19 as and for the purpatus For Ligiting Street Gas-Lamps.-J

 Also, the combination of the socket tabe, e , with the lamp, $\mathrm{D}^{\prime}$, its hook, F
 71,843.-Caliper and T-Square.-Joseph Bennor, Philadel
 for the purpose subs antialy asshown and described. Borchard, Detroit


 rialiy ont of thicr respective apartments, sabstantially as described.
$71,845 .-$ CoNSTRUCION OF METAL SALVERS.-George

 arranged with its body in manner as specified.
 set forth, as an aw article of manufacture.
71,847 .-CONSTRUCTION OF SCoOPs.-Theo. C. Bromley, For Howard, wis.
71,848 . - Wouther back and the circular raised brace


 cesses, $b \mathrm{~b}$, when arranged to operate substantialily as described and tor the purposes fully set forth.

 71,
 Mhandler, (aselgnor to himself and Lysander $F$. Thompoon), Fitchburg
M claim. 1st, The binged holder, $G$, substantially as and for the purposes se











 Hed





 71,854.-Machine for Making Levees.-Ernest Comeaux,


 Reich



 71,857.-FEEDER FOR GRANN MILL. - Michael Decamp, South

 1.858.-PAANTER'S EASELL-Paul Deschause, New York city rtension sliding parts, b, made dand arraprecis substantially as des acribed.
 yas degcribed.
$71,859 .-G O I D E$ For
ham, Norwolk, ohio. I clam, the plates. A And A, gnides. B B $B^{\prime}$, and $C$ and $C^{\prime}$, the whole con-
tructed substantially as described, and operating as and for the purposes set 71,8j0. - Producing CaLcium Magnesidm Ligut.-Chas. A
 71,861.- Cald NDAR Attachment to Inkstand.-Sam'l. R I Cammer, New York city.





 71,8.84.-Corn Cake Cutter.-Leonard Felker, Tewksbury


 , 860.- MFAASURINM FAUCET.-Elisha Fitagerald, N. Y. city
 pecitled.
Also 10
combination with the above, the dial and pointer, to indtcate the

 $11,8 \% 7$.-Cotron Tie.-John H. Fralev, New Orleans, La.
 orm of books, as and for the Durpose set tortn.
71,858 .- BIDGE . John
Glass,
George . Schneider, and

 he manner as and for the parpose set fortn. New York city IClaim the comblnation of the cap, B, Fithits screw rango. D, and case, A
provded witb suitable tube, C , in the manner andi for the purpose herent
specifled. $71.870 .-$ Peat MACHNE.-George D. Goodrich, Chicago, Ill.


 speciried. double slotted plate or wheel, $K$, provided with the sockets, h,
snd The dins, i, for the parpose of adjusting, the movements of the cutter stop or
 71,871.-RATCHET Bed Ket.-William M. Gray, Brook-

71,872.-MODE OF PREVENTSNG THE Explosion of LAMPs.




71,874.-WASHING Machine.-Job H. Haskell (assignor to

 ${ }_{71}$,8ith.-Horse Rake.-.John V. Hawkey (assignor to him


2ide An axially turning rake-shaft, of on inted ditat tit outer sectons can be




 1,876 . - A prarattis for Draining Sugar.-Jamaes B. Hill,

 71,877. Centrifugal Machine for Drainiva Suaar.-

 , 1,878 C





 71,881-Corn-Popper.-J. W. Howe, and J. K. Barton,











 71,885 . - CLAMP SCREW.-Charles L. Kingsley (assignor to




 $\left.{ }^{2} 1,8\right)^{\prime} 7$ described.

 71,888. - FENCE.-Ira Lackey, Lebanon, Ohio.
 71,889 .-B BTTER D. ${ }^{\text {rSH. }}$ - Nathan Lawrence (assignor to
 said joarnal, as speetilit.
71,900 .-HARVESTER RAKE.-Edward J. Leyburn, Lexing-




 ${ }_{71,81}$ descrined-W ${ }^{\text {ashing Machine.-Reuben Lighthall, Brooklyn, }}$
 parpoge set forth.
71,892 .-PROCES FOR FEENDERING PAPER, CLOTH, AND THE
LIKE, FIRE AND WATER PRoor.-Robert O.Lowrey, SAlem, N. Y.


 2d, The process hrrein deseribed of treating veg 71,894.-STREET SWEEPER.-Robert X. McConnell and Geo


 71,895.-Uterine Supporter.-Frederick Meriwether, T'a-

 71,896- - RAILROAD SIGNAL, - Abraham S. Miller (assignor to



 71,897.-Spinning Wheel.-Henry Miller, Ronald Town-



 71, ig9.-WA WTER Coover And Refrigerator.-Altred Mur Ne andarent ConD Cooper (assignors to themselves and Francis Warner

 TLus.- - Fredcric $G$. Niedringuaus and William $F$. Niedringhans, st. Lonis
We claim the spout of a ketule wben formed by pressurefrom the bottom snd top olam the spout of the keitle, when constructed suostanally as soown an
specifled.- BrEAST STRAP Slide.-O. B. North (assignor to O
71 ,901.

 $71,902 .-$ SNow Plow.-Abel Nutting, Quinc $\bar{J}$, Mass






 the parposes ser forth. c, claim. 18t, The carriage, C. supported at both ends on wheels or rollers,
fed running on a guide way, s , substantizuly -as and for the purposes s,peci-

 71,907 .-Miedical Compound.-M. Perl, New Orleans, La, I claim tbe medical compound hereln described, When made oy the process
nud composed or the engredients herein specified, 71, tue purpoze set forth.
, 90 . Machivery For Shaving and Slotting Screws.


 71,909.-Do
Iclafm the
maviatature.

## 1,910.-ATiparatus for Preserving Mieats, Fitish, Poul









 with their appendages.

 one set of impressions on the evme plare, or' an equivalent movemsent. each ohare, he whole being aujustable so as to regulate the amount ot elas-

 71,914.-Apparatos For Taming Wild Animals.-Peter R

 ,

 ai. The closs bar. $\mathrm{K}, \mathrm{as}$ arranged in relation to the yoke, c, , and in comb
nation with the poke. An, in the manner as and for tbe purpose specified. '71,917.-Corn PLANTER-Frank J. Smiley, Marshall, Mich


 71.918-WHYP RACK-Charles A. Smith, Philadelphia, Pa.
 in cech, and sitable openings in e chapa.
tion or a wipp, substautially as describea.
71, y19.- Method of Heridening and Bleaching Articles








 71,924.- Attachment to the Regulators of Watches.



 cin



 , 1 N . y -Horse Hay Fork.-George H. Waldo, Pratsburg,








 In,932.- Norn Planter.-John R. Weber, Bourbon, Ind.




 71,933 .- BED 130 тTom. - David 8. Williams, Cóldwater, Mich
 , min - Nstrument for administliation of ansthet









 peresifin a morizonar Water Wheel.-Albort Winton, Cham-
pi,93f.—Curb for





 1,938 . - SABH Top.-Orson E. Woodbury, Madison, Wis
 71,939. - Peat and Brick Machine.-Charles D. Wrighting



 presed bricks

 71,941.-Ea ves Trovgu Fastening.-Philip Ahn, Brandon I claim the bolt, e, ormbl.
or the purpose deecribed.
71,942 - Inflating RUBBER BalLLS- - Henry A. Alden, Fish
 71943.-Reamer.-Charles Allardice, Cohoes, N. Y

 71,94.- Bols A ATTACBMENT To Door Lock.-William H




Toillon with riation ontie crose geational form of each that each plece







 1,948. - Miaterials for Transmitting Heat.-William C.

 1,949.-Lamp Burner.-



















 (1,954.- PLIA TE LIFT TER.-David B. Beaty, Anrora, Ind., as

 1,955.-Stispension Bridge.-Charles Bender, N. Y. city





 rontifor the purposes heren fully deseribed 1 .


 $71,959$. .-HAT-世HITINO MACHINE.-Job W. Blackham, Brook



 1,9bi.-Substitute for Milk for Cattle.-Rufus K In Bladgett, narar Fulton Illite or blue clay, when used tor the purpose






 71,964 - Ventila tor for Builidings.-Thomas Boyd, Cam





 ${ }_{71}$ orth 9 . - Plow.-Harvey Briggs , Smithland, Ky.







71.967 - Pisme STooL-Joshua Briggs, Peterboro. N. H.



 ${ }_{71}$ set, 968 orb. - Plow-T. E. C. Brinly, Louisville, Ky.


 operating subpeatatialiv as set forth. $71,97$.

 71,971, -GRanN. FoRk. - E. G. Bullis Manchester, Iowa, as-


 shown and described ana for the parpose eet forth.



 ${ }_{71}$ prpysis.






 71 ,976. - Wasbistand and Clothes Dryer.-Frances H. Car-




 71,97\%. APPRATV ATOR PAITMTNGOR GRAINING PAILS, ETC. It clam, Ist, That combination of ting fierible palnting or die prit tiog roll













 ${ }_{71}$ tily ye
 7 71,985, Apparatos for Elevating Watek.-J. R. Cole,

 71.083.-TACK HAMME 2.-Thomas A. Conklin, New Brit
 ${ }_{71}$,9mim. FLoor Clamp.-Wm. Conner and C. W. Mitchell,


 71,939.- HAAVEETER-Francis C. Coppaye.Terre Haute, Ind.
























 ICliadm the books C , constracted subtantally as herean shown and dee







 2, 01.-RRTARY PUMP. John Doyle, Hoboken, N. J., and

 7,
 2.003.-PIVOT GEARING.- Joseph J. Duchesur, Lacon, Ill.








 2,007.-Punch for Forming Clasp.-Charles D. Flesche,
 2,003-S Slf-fabtening Spring for Webbing. - John
 2, vos poter Arbing Knife and Fork Holder.-Alden T.
 72,010 - La Mp CTIMNET- - Sam'I W. Fowler, Brooklyn, N.Y


 2, T12.-D RVICE FOR HITCHING Horses.-Samuel Galbraith,




 2,014-TigHT AND Looss PULLEY.-Joseph P. Gates, Lin

 72.015. - Brick MACHINE.-Samuel Gissinger, Allegheny




72,016, Harvester Rake.-James H. Glass and Albert J.

 72,017. - Method of Moldina Plastic Material.-Wm. 72,018.-HAND COLTIVATOR.-W $\mathbf{I}$. C Conn; 1st, The combination ot the frame, C , with trame, Q , and the set



 72,019- - apparatus for Making Dipped Candles.-Peter
























 maner and for the purpose herein Bet for th. Grifith, Roxbury, Mass.


 72,007.-COLTITIVATOR. John Gross and John C. Tunison,





 In litim the atachment to a kyyrocket of threp or more sticks, at equal dis. 2,031. - Machine for Refittina Conicau Valve.-Chas
 , ,032.- Collecting Oyide of Zinc.-Geo. C. Hall, Brook

 7, , $33 .-$ Reaister for Odometers.-Henry F. Hart, New





 Also in comoit


 2,038-Piano Lock- - Adam Helmstaedter, Newarik, N. J


7.,040.-Llamp For Bernina Petrolevm.-James Hinks











 devire A, \&ubstantinll a and ior the parposo set firth,





 cal, substantially as described.
tor, N. -
Harvescer - George M. Jackson, North Hec-



 72,048.- Boot and Shoe.-W illiam Keats, and John Keats,
 fdge of the upper while turned outward, substantially as
7,049 M. MUFF. M. A. King. New York city
 72,050 .- Ho
 72,051. -Fir TH W HEEL For Carriages.-Joshua Lawrence
 ing in the manner and tor the purpos9..et for th. Leffingwell, Nevada,
$7 \%, 052 .-W A S H I N G$ MACHINE.-J. Q.







 rorth. The slidug crank pin, $p$, in combination with the slotted wheel, W, and
filtated vibratig god, B , substantially as siown and de scribed, and for tue
purposes ser forui. purposesser forul. 1 chilliconthe, Oh10.









 72,060.-Reofing.-Orville Manly, Garrettsville, Obio.







 ftb, The reed rollers, E , wren cosstructed from shret metsl, and punched
from tive inside, torining projections as shown, tor feeding the straw to the

 72,063.-Convertible Shot GUN and Rifle.-Samuel Mc-


$75,0 \dot{ } 4$ - DEkRICS. IClinin, 1st, The derricls saranard, L, ano franac, K, ftted in the derrick


 2,0 inj






Yoik cily.


 72.088 . -MANUFACTURE CF LampBladr.-A Millochan, New


 dith The combination of the shaft, E3, collar, R, arm, R', collar, S , and shaft,











 $72,073-$ Boot and shoe Hext. Frrastiss Newhall, Lynn,

72, v74. Oortable





 $72,077-112 a m w a y$ Crossing s.-Stanhope Perkins, Fairfield,


 , $2,0179 .-A x i e$ Box--Henry B, Pitner, La Porte, Ind I clam. Itst, In anyle box, substantially as siown and described, and for the




 72.031 . VhNTILATing Hax-Mows.-Geo. Race, Norwich
 032 -















 I2.037. - Chu* -








 7,


 Tribed.-STEAM ENanNE.- George Shale, Taunton, Mass.












72,096.-W Indow-Sash Supporter.-J. W. Simpson, New-
 seilination with the lever and wedge, in the manner and for the purpose
 Slack, Peoria county, III Provility staple, stares, and divisional "coal 2,098.-ExCAVATOR-Benjamin Shrsser, Sidney, Ohio, as








 2, ion.- RAIISING Oins AND BuRNNG-FLUTDS by Pnevmatic


 72,102. -SHIP FOR TRANSPORTING Petroledm.-Johs H

 derited and for the purpose got forth. T. Sim and J. K. Priest, Nasinaa, N. H.










 72nian. CouTI








 72,110.-Street Pavement.-h. M. Atow, San Francisco













 ,

 device constructed and arranged as shown and diseribed.
 Mind







 , ind





 poses et forth. 7,13 . STEAM Enaine.-J. F. Troxel, Bloomsville, Ohio.
































 Ioth, This curved or semicircular r rate head oritis equivalent, arranged it $72,134 .-W$ Washina Machine.-George E. Wade, Jefferson





 $72,166 .-$ EGG BEATER.-D Dudley $W$ ebster. W ashington. D. C














 72,140.-DITCHING MCHINE.-A. H. Whitacre and T. S.



 2, Llaim -Ventilating Tunnel-Hugh B. Wilison, N.Y. city











 72, 148.-LLTTHE FOR TURNING SEAFTING.-Aurin Wood,





 elug of the lower side of the ninger bar, tor the reception of the guard
fat, 150 .-Curtain Fixture.-William H. Woods, Philadel


 REISSUES
62,057. - Brick Machine.- Philip H. Kells, Adrian, Mich


 DESIGNS.
2,846.-Masonic Badge.-Virgil Price, New York city.

## PENDING APPDICATEONS FOR REESSUES

Applcation has been made to the Commissioner of Patents for the Reissue of
thefollo:oing Patents, with newo clums as subjoincd. Parties who desire to oppose the grant of any of
MUNN \& Co.. 37 Paric Row, N. 1.
40,571. - Rotafi Engine.-Metropolitan Rotary Encine Co.


























 Dated Jaa. 23, 1866. Application for
18t
Bet










 and



 49,992.--SLLEEPING CAr.-George M. Pullman, Chicago. Ill.










 9,430-I Index Door Plate.-E. M. Montaguc, Boston,


 seribed.-STEAM Generator Gage Lock.-Thomas Shaw,
65,018 ,












