## PAMENYS AND CHAINS

Issued by the United States Patent Office, for the weit randing adgust 27, 1867. Reporied Ofically for the Scientffic American
patents are granted for suventeen fears the following

On uppuz to commissioner or Patenta
On application for Reissue. . 1 ........


In addition to which there are some small revenue-stamp taxes. Residents of Canada and Nova Scotia pay 8500 on application.

Pamphlets containing the Patent Laws and full particulars of the mode
of applying for Letters Patent, specifying size of modelrequired, and much of applyingfor Letters Patent, specifying size of modeltrequirea, and much

68,027.-Fish Hook.-Francois Angilard, Royan, France lit. claim, in fish hooks, the arringement of the line, , and holes, e o,



 3d, The combination of bisulphate of lime, sulp pate of zinc, and sulphate of
bismuth or iron for the puritcation of spirits.
68,029 . HINGING LOVERS To Tops of Cooking Stoves.Chas. J. Ball, Keokuk, Iowa.
ng hoim the happication to cooking stoves of covers or lids turning or revolv-
about a center outside of the apertures, and constructed 88,030.-FROT PI PICKER.-A. T. Barnes (assignor to himself

 When arranged within a recess, formed substantially as explanined. 68,031-METHOD OF PROPELLING SLEDS BY HAND.-J. A.
I catiett and F. Walman, Orford ville, Wis.
 68,032.- $H$ Low.-Alfred C. Belt, Goresville, Va
1st, I claim the moldiboard, c, made in the form shown and described, and
provided with a cuting edge extending to or nearly to the plow beam, in the
manner and tor the purpose set forth. pronner and tor the purpose set forth.
manner han groved reversibie share, $G$,
ly as described.
ly as, deescribed.
sd The Thersible share, $G$, constructed and operating substantial-
described.




































 cor,
















 ondrating substantialy a set forth,

 as, in8.-Cutter Heads for Planing Machines.-Mathew





















 s8, 566 . Cuter.






 68,058 - Ore Roasting Fronace.-G. B. Field, N. Y. City.

 B8,059.-Sos Fin










 68,063i-Lime KIL.-Lumber Gibbs, Tremont, Ohio.

 Tor ue in the manier set forth.
-A. W. Gifford (assignor to E. A









 68,068.-Meat Cutter.-John C. Haefele, N. Y. City.









 68,069.-COMPOUND FOR PRESERVING Wood.- Smith T
 anherein deecribed
68,007 . C CRN Planter. - Samuel Harpster, Center Hall, Pa





 $68,073 .-$ Medicine Case.-J. R. Haynes, Newport. Ky., and

 68,074.-Mechanical Movement for Working Saws, etc.





 emptying the troughs, substantially 8 and for the purpose sef forth
68,077.-DIITTRIBTITMG FERTILIER.-Samuel Hoke, Mount
 an
68,078 in - Bed
BED
Bortom
seorred to the foot and head railis of the bed, as and for the purpose set forth 68.0 .-Knife andFore Cleaner.-Benjamin F.Hughson,


 heck Valve for liquid











 68,084. - GATE. - Cornelius Kark, Huntington, Ohio.







 pooes set forth






 68,089.-W WoDEN PAVMEMENT.-P. Koch. New Haven, Conn manner and for the purg gese described and set forth. $\quad$ C. J. Komar, Wil-


 OB,091--Corn Planter.-Lewis Larchar. Utica, N. Y.











 Sth,
R.-Hugh W





 as herein described and tor the purposes set forth,












 68,103.- FRAME FOR W INDOW SCREEN.-Willim H. Nash,
 $68,104 .-$ CCITIVIVATor.-Edward Newlon. Monmouth, IIl. T claim the vertical adjustment of beams $y$ y , in combination with the 68,105 . - Car Courling.-Geo. W. Noyes, Norwich, Conn.
 the patpose set forth




 scribed. -Clutch Shippers.-Frank J. Plummer (assignor to

 forth. 68, Pre. Prening Knife, Hook, AND SAW.-Roger W. Por
 sho, 10 . - Machine for Polverizing the Earth Prepara

 68,111 . - Feeding Rack for Stock.-J. C. Ramsey (assignor
 $68,12 .-$ ADrlisichle Pipe Joints.-J. H. Rhodes, Brook-

 68, risichards, Bridge The the Eye of Elifiptic Springs.-W. T.

 68,114.- Combined Plow and Cultivator.-Anton Rome manand John Peterka, wilton, towa, the the coltivator and harrow com.




 6p, 17. - Pr हRs.-Christopher E. Rymes, Somerville


 68,118- Converting Iron into Steel.-S. C. Salisbury,






 for the purpoe set forth. sprins, a, in comblachon with the link, $F$, as and 68,121.-CARRAA GES HINGE.-C. E. Schwind, New York city.






68, Lrit. Wheel Cultivator.-W. A. Sisson. Sheffield, Ill.




 -A. B. Smith, Clin

 arein set 1 or claim the combination and arrangement of the filtering pan, $E$ 68,
 68,127. The purpose specified. Mater Meter and Force Pump.-



$68,129 .-$ Indica tor for Water Closets.-Henry K. Taylor



68,131- - SNovt RING For Swive-Miron G. Tousley, Ful

the furposemet sorth. for Pulling Flax.-Samuel W. Tyler I Coy. No taryening flax and other crops which require pulling from the
 68, 133 poses
 68,134.-Car Spring.-Richard Vose, New York City

 68,135.-Process oe Refining Lead.-Oscar Wassermann,
 $68,136 .-L A M P$ Prt. $\Pi$. $\Pi$. Weston, Towanda, Pa .

68,137 . Circclar Saming Machine.-Ralph V. Whiting,

 momentum, the weights will actin opposition to each other and thu qeease
to ive additional velocity to the carriage substantially as described and for
the the pripsese set forth.
thasp for Umbrella.-Andrew H. Whitney, I claim the lock ch clasp for ambrellas combining the chamber band and
spring and 68,139.-Grate for Furnace.-Wm. A. Wilson and James
 in set forth.
dest . eliam in connection with the above the combination of parts herein
described cons
 68,140.-Horse Rake--John Rimmerman, Powhatan, Md.
 68,141. - BEEEIVE. - Davis L. Adair, Hawesville, K



68,142 . - Device for Attaching Chimnets to Lamps.-Jo-

 68,143.- CAR SPRING- - T. F. Allyn, Nyack, N. Y.





 I, cianim tre double endess apron,

 68.147.

 e, as herein shown and deserribed.
68,148 . BaLE TIE. Arthur Barbarin. New Orleans, La.


 cotton or otber bales, substantialy in the manner nereen sencri.
68,150 - BTTT HINGE.-B. F. Barker, San Francisco, Cal.
 and I claim the plate, A , in combination with the butt, substantially as de.







 68,153.-Combined Pen and Eraser.-W. F. Beaton, Phil-
 Ialas olifim the ocombinatlon, yubstantially as described, of a combined pen
 , Wh.- Frame for the glasses of Carriage Curtains.-

 6ent upon a Washer, substantially the the maner deseribed.


 sub, $\overline{5} 7$.ity Filiter For Refining Stgar.-R. W. Bender, N.



 tit




 162.- Mode of Closing Botiles.-T. S. Bowman, St.











 68,165.-Corn Coltivator.-Andrew Canfield, Lyons' City,


68,166.-Portable Fence.-PeterChandler, Olnef, Ill.

68,167.-Cotron BALE TIE.-M. D. Cheek, Clarendon, Ark


 Sisise totis REMCH-T.D. Christopher, Madison, Ind.

 68,1,69.-HARROW:- Jacob Click, Springfield, Ohio.









 68,7 re. -Checr Rein Holder. - McDowell Darrow, (assign













 68,179.-Riding Attachment for Harrows.-Jas. M. Free


 68,181.-Drying Barrels-Samuel Gibbons (assignor to







 1st, I claim the solid iron, A, when provided with a lug or lugs, $a$, in com.
bination with the ehield, $B$, having a bolt or bolts, C , and ftted to the handle
sunports
 $68,180 .-$ Degetable Cotter.-Victor Hagmann, Washing1st, h'clajim a device for cutting vegetables, etc. having one or more knives
attached and acrew erdapted to receive a rotary and progressive motion,
substantially as described.
 itc ready retraction, substantially as described.
$68,185 .-R I N G$ FOR SpINNNG. - H. G. Hall, Fayetteville, N. C.
Iclaim the rings, B C constructed as described the former provided




 Substantially a described.
68, 188 .-F FMIGATOR FOR DESTROYiNG VERMIN.-Jonathan
R. Hamilton, M. D., Portland, Oregon

 terinl af a non-conductor of heat as described and for the purposes herein
set forth,
68,189 .-Curtact Fixture--Oscar Hanks, Cincinnati, Ohio. I claim the elastic adjustable grooved pulley, E. in combination with
elastic collar, F, as applied to certain rollers, C, substantially as deascribed.
$\mathbf{6 8 , 1 9 0}$.-GRAPE PLOW.-Richard Hardenbrook, Bath, N. Y.





 the sash cord to the weight.
 I claim the improved saw straining mechanism as described or in other
word athe combination and arrangement or the teen,
 68,195.-Honse Hay Fork.-J. S. Henry and A. H. Rust Manhem,
We chaim the arrangement of the notched lever, $G$, in combination with
 68,196 - SEWING MACHINE.-W. S. Hill, Manchester, N. H 1st, 1 claim the combination of the needie arm, E, constructed as described
withthesididing pin, $d^{\prime}$, and cam, $k$, substantially as and tor the purpose
specifeal ad, The necdle rod, E, and its grooved cam plate, J , for operating the 68,97. -DEVICE FOR CATCHING Animals.-W. L. Hopper, I claimonthe tiliding bar, C, in combination with the parts, A B, and spiral
pring, s , subbtantially as described for the purpose specifled. 68,198.-APAPARATUS For Agitation of Milk in Cheese
 ections, as and for tee object herein specifed.
B8, 199 .-CARRIAGE CURTAIN . Fixture.-Edward Howell Ashtabula, Ohio.
I claim the cam, and thumb piece, E, plvoted to the cam and arranged
ration to the rib, d, and curtain, substantially as and for the purpose 68,200.-Plow Clevis.-Hanford Ingraham, Naples, N. Y I claim the clevis as constructed substantially in the manner and for the
purpose as herein set forth. 68,201.-COMBINED Co


 68,202.-GridgLeorge M.Clark), Trappe, Md. Jeffery (assignor to himsel
 68,203.-Veneer Cotter.-Edward Jewett, Rindge, N. H I claim the face beveled knife, C, When combined with, the head block, , ,
and aranged with relation to the friction plate, $D$, as and for the purpose $68,204 .-$ Buckle.-W. B. Johnson, Bowling Green, Ky. 1 claim an im proved buckle having its tonge
su bstantially as and tor the purpose described.
68,205 .

Rrass TVRNiNGs And Filinges.-Joriuy Jonson (assignor to Gustavu


 Liallyim forming bells of copper, tin
68,207 described. 68,207.-Harvester Pitman.-W. J. Keeney, Florence, Ind.



 68,209.- BRoOM HEAD.- Isaac Kohn, Edgerton, Ohio.
 68,210.-STEAM HEATING APPARATUS FOR BREWERS AND
OTMERs.-A. Komp, New Fork City.
I claim the arrangement of a serieg of small nozzles, a, in combination
 des,211.-Washing Machine.-A. F. Kuhlman, Dubuque,


 shown and described and for the purpose set forth.
68,212.-MITDE OF DRIVING PRINTING PRESSES.-Clark M
 and the double cones, substantially as herein described.
68,213 .-Coal Hod.-James A. Lawson, Troy, N. Y.
I claim a coal hod or scuuttle having its body, in the general torm of a
frustrum or a cone antl provided with a hopper, all substantially as and for
the purpose specified
 68,214. C. Centrifugal Pump.-N. H. Libby, Charleston,
 for the purpose specifed. I condon, Istonn. Thestationary $\mathrm{jaw}, \mathrm{A}$, when provided witn a flange, a , as and
for the purpoe specined 2d, In combination in the above a sliding jaw when the same has a
tongned shank fitting in grooves arranged on the arme of the stationary jaw said arms being ftted to the under slde of the ben ch, substantially as de-
socibed for the purpose speciiender
68,216 .-PorTABLE CRANE FOR LoADING Wagons.-Amos




 for the purpose set forth.
$68.217 .-E L L I P T I C$ SpRING.--E. C. Lewis, Auburn, N. Y

 described for the purpose specitied.
68 ,218.-DEVICE FOR ELEVATING IcE.-Henry Little, Middle town, N.F.
I chail, 11t, The curved platform,, , applied to the screw elevator, su
 68,219.-Permutation Locks.-Calvin L. Lucas, Plymouth,
 68,220.-BED Spring.-Geo. B. Markham, Plymouth, Mich.
 orth an ddeacribed.
$68,221 .-C o m P O U N D$ Iclaim, the compound made of the ingredients substantially as and for the prip one ,-Machine for Making Spikes.-R. G. McKay.Cleve-

 68,223.-S.SAP Hook.-C. H. Miller (assignor to himself and

 68,224.-Machine For Filling Ruts andLeveling Roads.


 68,225.-Cotton Bale Tie.-S. J. Mitchell, St. Louis, Mo.
 68,226.-SLEIGH Brakes.-H. F. Morton, West Sumner, Me
 88,227.-Grain RAKE.-Earl Palmer, Solon, N. Y






 ralso claim so constructing a plate warmer that it can be applied either to
a renster in the foor or one nin the wall by merely shifting its position, sub.
stantiall a

 the greduated block, e, as herein shownand represented.
Eeacock, Fair-










 described. Barrel or Cask.-C.T. Provost, N. Y. City.
 68,235.-WATER GAGE FOR STEAM GENERATORs.-Emmett

 structed substantially as and for the purpose described.
 68,238- - Hoor SEIRT. - Wm. S. Ryerson, Philadelphia, Pa.
 Which the said taper passe substantially as and for the purpose described
68,239 .-STEAM ${ }^{\text {PYTN }}$.

 68,240.-Woor Packers.-Absalom Saeger, Meadville, Pa.
 purpperes set forth. SCREW.-Charles H. Sawyer, Saco, Me. ranged and to okerate as sombifinth.


 3d, The above, in combination with the annular vessel, $P$, the same being
made as set forth.
$68,24 .-$ STRA CUTTER.-W. Schreck, Des Moines, Iowa.


 simultaneously on both sides, substantially as described.
 spring and sidide, carrying the small friction wheel, F , constructed
tially an and for the purpose set forth
68,246.- CIDER MILL. Thornton A. Shrim, Baden, Pa. In coambinthe disk E, Econstructed and arranged substantialy as deacribed, 68,247.-Double SHovel PLow.-L. L. Sloss, near South I clain connecting the plow frames to each other, by the three adjustable
bars, D $F$, notinte same orizo
end to
 68,248.-Croshing and Washing Sand.-John R. Smith,


 a water supply pipe, h, or its equivalent, all constructed and operated sub
stannially as and tor the purposes above set forth.
68,249 .-VALVE FOR WATER CLOSET.-W. Smith, San Fran-


























 the purposes herein specified.










 Cos,










 or

 68,271 --Stra wberry Trellis.-Wm. W. Wilcox, Midde






 -John Worden, Normal, Ill








 68,
the estraipht.e.enged double or slotted blade, B, sabstantially as and for the



 purpose herein set iorthin Cort Cut Hat, etc.-Charles Brown,








 LDockhaven, Pa, asignor to himself and Thornton Smith, Washington


 shonider, das and for the purnoses eet fortbu, Carleton, Forester, Mich.
68,286 . $W$ W


 I chilif.Pa. cone thentruction and use of my transposition teacher, as and for to

 scribed9.-Sheep-shearing Table.-Charles, J. Corlett, War
 soribe and for the parpose deegzned. . Creek, Liberty, Ind.



 68,291.-Curing and Preserving Grain.-Folsom Dorselt,

 as8,gh2.-Hammer for Breech-Loading Fire-Arms.-Wm.




 $68,294 .-A p p a r a t u s$ for Drying Starch.-Andrew Erken-







 Es, Rit -















 88,300,--Cover for Cookiva Stove Boiler.-T. F. Hall

 68, $\mathbf{0 1}$. - Power HAMMER.-Martin Hunkley, Rochester, N.





















 for the purpos designed















 forth 13. - PLow.-Burdet C. Rouse, Morris, IIl.






 fth, fhe antifriction roller, f , applied to the key, $\mathbf{q} 2$, substantially; as and

 68,316.-Apparatus for Cooling Mile.--C. L. Sheldon,



a serew arraned in the enter. 68,318 . GAs HEATMNG APARATUS FOR SAD IRONS.--Jacob






 68,321.- Prodection and MANOFACTURE OF CARbonic Acid

 88, 2R2. Cone Constroction of BARRELS.-George St. George,
 68, wa, Wis. TRACE ATtactinent.-Andrew Thompson, Ottum-


 68, S25.- WATER WHEEL. - Thomas Welham, Philadelphia,

 68,326.-Musketo Bar and Window Screen.-Alcibiades
 68,327.-Car Platform.-H. S. Wilcox, West Meriden, Ct.


 68329 - Corav ioverer - A. J. Combs Olney III.
 68,330 - Manufacture or Boors and Shoes. - Wm. Du-


68,331-: Siger Corper plates for Culinary Vesselis-
















## Reissues.

2,753.-Governor For Steam Engines.-Augustus Brown
 combination with the thro tht
the belt which serves imp
for the purpose described.
2,754-- Valve GEAR FOR STEAM Engine.-Putnam Machine
Com pany, Fitchburgh, N. Y. ABsignees of Charles H. Brown and Charles




 2,755.-Harvester. - Robert Bryson, Schenectady, N. Y.


## PENDING APPLICATIONS FOR REISSUES.

pplication has been made to the Commissioner of Patents for the Reissue of
the following Patents, woith newo claims as subjoined. Parties who desire the following Patents, with new claims as subjoined. Parties who desire to oppose the grant of any of the
MuNN \& Co., 37 Parlic Row, N. $Y$.

6,527.-Working Butter.-J. P. Corbin, Whitney's Point
 1st, A vibrating rod, F, handle, $G$, and bat ter worker, H, combined and ar
anded to operate as shown, or in an equivalent manner, for the purpose set 2d, The combination of the tray, B, with the butter working apparatus, ar-
anged for joint oper ation, substantially as shown and described.

(2T) Note.--The above claims for Reissue are now pending before the Pat ent oftce and will not be offlcially passed upon until the expiration of ${ }^{30}$ days trom the date of fling the application. All persons who desire oppose the grant of any of these claims should make immediate appli.
cation to $M U N N$ \& CO., Solicitors of Patents, 37 Park Row, N. $F$.

## Inventions Patented in England by Americans

PROVISIONAL PROTECTION FOR SIX MONTHS.

## 24-AIP ENGINE - PhilanderSbaw, Boston, Mas, March 29, 1867



 2.145.-Spring Bed Botrom.-Sterling Bonsall, Philadelphia, Pa. July 2.146--Tanning, and Appasatus Employed Therein.-Sterling Bonsall
Philadeiphia, Pa. July 23 , 1867. 2,155.-Reoiprocating Motion.-John B.Page,New York city. July 24, 1867
 2,179.-Water and Gas Meter.-Joshua Mason, Paterson, N. J. July 2,91.-Madirnery for Holling Rice, etco.-Simon G.Cheever, Beston, 2.192--INSOLATORS For Telegraphio Wires.-David Brooks, Philadel-
phia. Pa. July 29, 8667 . 2,214.-Maching For Mandfacturing Weavers' Harness.-Joseph S .
Winsor and Wm. W. Fletcher, Providence, R I. July 31 , 1867 . 2,226.-Pocket Knife.-L. B. Morris, Hopkinsvillo, Ky. Aug. 1, 1867. 2,22i.-Breech-loading Fire-Arn.-Theodore Yates, Milwaukee, wis.
Aug. 1 , 1867 .

## EXTENSION NOTICES.

Joseph Goldmark, of Brooklyn, N. Y.. having petitioned for the extensio a patent granted to him the 22 d day of November, 1853, tor an improve said patent. which takes place on the 22d day of November, 1867, it is ordered that the said petition be heard at the Patent Offce on Monday, the 4th day or November next.
Charles J. Wool
Carles J. Woolson, of Cleveland, Ohio, having petitioned for the extension ment in design for stove plate, tor seven years from the expiration of said patent, which takes place on the 4th day of December, 1867, it is ordered tha the sald petition be heard at the Patent Office on Monday, the 18th day of Patented April 8, 8862.
1st, I claim a main frame of a harvester which 1 adapted for carrying the


