# Patents and Claims 

Issued by the United States Patent Office,

for the weer ending may $12,1868$.

patents are granted for seventeen tears, the following



In addition to which there are some small revenu
of Canada and Nova Scotia pay 8500 on application.
Pamphlets containtng the Patent Laws and full particulars of the mode of applying for Letters Patent, specifying siae of model requirea, and muc M UNN \& CO.. Publishers of the Scientitc American. Neo York.
77,707.-Stove Grate.-D. S. Baker, West Bloomfield, N. Y



 purpose set torth. \%r,708.-Corn Harvester.-Moses Bales and Wm. P. Bales


 ,709.-AUTOMATIC Fan.-Joseph Beck, New York city

 the fan shatt, C, operated and tor the purpose as herein shown.
77,710 .-M ACHINE FOR THREADING BoLTS.-Benjamin D

 2ad, , In combination. with the threaded part of the die, the embossed surface,
K , substantially as and for the puroose set forth. $\mathrm{k} \mathrm{k}^{\prime}$, substantially as and for the purbose set forth
77 ,
111 . FENDER R ton, New York, assignor to himself and Daniel E. Parns, Troy, N. Yoyn
 77,712.-DRYER.J.Joseph Brakeley, Bordentown, N. J.


HaRNEssise--Dariug C. Brown, Lowell, and John Ashworth, NorthA ndo



 Wlith thenext adjacent twisters, T U, to form the twists of the eye, as ex
plaind
Aloo, the mechanism or combination for straightening the wire during its
passage into the machine, the same consisting of the curved arm, 1 , and its










 purpse, stip cumbination and arrangement of the spring, fs, orits equivalent,
With the muntinam for making tue nedole, sucn spring, when the hedde may be resting on the inner stationary jaw of the bar, 5 , be beng used to
prees the hedde down alitle as and for the purpose hereinbere men.
ioned. tioned. the combination of the discharger, $\mathbf{y}$ 5, (provided with mechanism for
Alsorating it as described) wih mechanism for making the heddle, as speci-
feed.

 and the cam, o2, also their combination with the retractor and its ton
77,714.-HANV HSTER - Caleb Cald well, Waukegan, Ill.




 push peece that tastens, unfastens, raises, and holds up said plate, substantial



 77,717.-Boors AND SHOES.- Edwin Chesterman, Boston,
M Masi, asignor thimselt andEdwinA.Eato.
I claim a boot or shoe, whethermade of leather or other material, having I Mase, assignor to himsell andEd win A. Eaton.

7,718.-Condenser for Spirit Still.-Paxson Coats, Cin-
 in the manner substantially as and for the purpose specifled.
77,719 . Mow ING MACHINE.-Marcellus V. Cumming, Win-
 er circumstances and substantialy in manner and or the purposes as
2d, The explanned.
combina
 77.720--BED Botтom.-J. D. F. Dahl, Milwaukee, Wis.

I clatm the combination of the frame, B, provided with the gulde rods, $C$,
and the frame. A,
eith the springs. D, coras, G. and pulleys, $F$, all construct ed and arranged to operate as set forth.
77,721 .-HAY RAKER AND LOADER. - Matin A. Dilley, Men-


 winartuc ced and arranged for the purpose of elevating the hay tork de
cribed, substantialiy haserein set forth.
77,722.-FURNACE AND PROCESS FOR THE MANUFACTURE OF



 ${ }^{37}, 723 .-\mathrm{H}_{\text {ASP }}$ Lock.-Josenh S. Elliott (assignor to himself

77,724.-SEAMLESS Leather Strap and Tube.-Alois Es
Chenion, Munt, The methavaria. fininning the animal and cutting out the skin
Is
drawings. method of skinning and cutting out the skin of the animal, so a
 77,725.-C.CANDLE.-John Lyon Field, Kensington, Great Britain.
Ind claim a candle, having one or more ribs or projections near its lower 77,726.-Pan Former.-John Finn, Decorah, Iowa. Ante-
 77,727.-Mandfacture of Vinegar.-Joseph Firmenich
 Also, as a part of the process of making vint gar, tho inj, ction of st eam
nto ihe divesing mass of meal or grain, as in the vat, $G$ and $I$, eubstantially



 Also as apart ot the erocess, the mettod of conduc ting the vinous fer-
mentation bg succesive adsitions of yeast, first weak and then strong,
substant1ally as herein described. Also,the ar angrement of the sieves, $K$ and $L$, substantially as and for the
purpos herein fer foth.

,728.-Ankle or Knee Guard.-Henry A. Hall, Boston,
Mase. as a new art.cle of manufacture, an ankle or knee guard, in which
 77,729.-Lightining Rod.-William Hall, Dubuque, Iowa.
 nd tor the purposes herein set forth.
7.730.-I kon FURNACE.-Alexander Hamar, New York clty.




 77,731.-CLOVER SEPARAATOR AND Huller.-David M


 T7,733. puiposafrolun.-Edward R. Holzer, Philadelphia, Pa

 77,734.-CheEse Vat.-William Howard, Watertown, N. Y I clarm, 1st, The combination, with outer and inner vats, of a trre chamber
 77, 775. -GATE.-H. Hus
iclaim, 1st, The combination of the levers, R R, rranged subtantially as andor the purvose ete forin. pulley, 0 , and cords, $F$ 77,766.-T'AX siLCu LATOR.-I. S. Hyatt, Rockford, Ill.
I'claim, 1st, In combination with tax 1able, A, constructed oubstantially as set forth.
$2 d$, Providing the sliding bar, $B$, with the projections, $b \mathrm{~b}$, as and for the
 77,737.-HAKROW TEETH.-Alvarado Jones (assignor to
 froth as a new manufacture. Blinn D. Joslin, M. D., and Reuben
 scribed
pa, The combination of the trussed slats. C , with the rod, B , and hooks, J ,
pouble coil spring, E , for the purpose described. 77.739.-Hay Spreader.-G. G. Knowles, Wakefield, R. I I clajm the combination of the eccentric patates, rrrr with the triangles
$\mathrm{t} t \mathrm{t}$, and bars, E V. as and for the purpose heraindescribed. 77,740.-Padlock.-Frank F. Landis, Lancaster, Pa. Ante







 77,743.-CASTER FOR FURNITURE.-Samucl N. Long, South
 77, T44-SAFETY HATCH. Robert $H$. Martiu, Staten Island,





 whan constructed, contected, and relatively arringed sub:tantially as de
cribed.
7,74 - Purifying Sorghum Juice.-Wra. Matthews, Troy




 77 , 79 - GAs Burner.-Hypolite Monier, Paris, France.


 77,750- Clothes Line Holdil.-Henry Morgan, Spring-




 I Clain Cambridge, Mass.










 exp:ained.


 $7,760 .-H O R s E$ Hay Fork.-S. H. Rhoads, Clyde, Ohio, and









 77, 765 . - Frame for Neck Ties.-s w.lioof, New York city





- Lamp WICk- Eilert O. Sclartau (assignor to Frank








































 Sit,































above the other, in regular or irregular order, substantially as and tor the
purpose described.
13th, The tweers, Y , projecting beyond the


 as described.
18th, Sb, arranging the tweers of a cupola furnace, as to employ a greater
number belo than above. for the purposes described pose de seribed.
Roth, The combination, in the same cupola furnace, of tweers of dififerent
shapes and sizes, and located above and below each other, substantially as


 d7,796.-Carriage PoLe Tip.-Alonzo Benedict, Albany, I N. Y.im the pole tip, A B, substantially as and for the purpose described.
77,797.-SHAFT FOR VEHICLES.-William L. Blaisdell, Port
Byron, N. Y.
 nod foot. B all arranged and operating substantially as described for the
prpote set forth.
77,78 . - STUMP Extractor.-Isaac J. Bogert, Fayette, as-
 herein shown and descrited, and wor the pur, wose eact orth.
hd, in combination with the above, the feet, N, pivoted tothe lower ends of

${ }^{77,799 .- \text { Flame }}$ AERator.-C. L. Browne, Washington, D. C.
 herein described.

 77,801.-ExTENSION FOR TABLE.-De Lance Cole, Marshall,
Ill.
 7, 802.-WHEAT DRILL. Dhe The Seat, K. When its forward end is supported upon the adjust.




 77,804.-THILL FASTENER- - Lyman Derby, New York city.


 forth.
77,805--LIQUID ExTRACT FROM VEGETABLES.-Gustave De De
Villepoix, Abbeville, (Somme, ) and Joseph Francois Bonnaterre, Parls,

 ton on sait and sugan, substantitially as and for the purpose described.
77,806.-PRESERVING THE WOOD OF CoFFINS.-Jean Maurice Dufournet and Luils Clcmendot. Paris. France
We claime.tit, Rendering the wood indestructible, by coating it over with
ny antisetic matter.
 and for the purpose herein specifled.
77,807. - CoRN PLANTER.-John Elbertson, Kirksville, Mo.

 I'claim, 1st. The valve, e, in the spout, I , When arranged in connection with
the seed slide, H. Bo as to beoperated therefrom, eubstantially in the manner
as and to the

 a seed dro pping mectanism, substantialy as shown and described.
77,809.- WATER INDICATOR AND ALARM.-Thomas Flinn,

 fid, The abc, ve, in combination with the pin, , ,or other indicator on the
fiootng rod, E , whereby the apparatus is provided with an index, as set
forth. 77,810.-Briple BIT.-Wm. S. Ford, Clinton, Ill. t mouth, A, and cheek strans, C C C, as and for the in in combination with thet torth. 7,811 - Corn Planiter.-A. J. Going, M.D., Clinton, La.

1'claim, for operating the crossfeed sorew of a lathe, the combin nation of
he feed berew whit the pulley, E , band, b, bar, J, or its equivalent, all sub-
stintiall as described. stintially as described.
$77,813 .-C H A R T$ Roller. - E. L. Hagar, Empire City,

 Iclaim a liniment,formed of the ingredients, in the proportions, and in the
manner substantaily as herein described. 77,815.-Hemp Breaking Machine.-Joseph S. Hoskins,


 described. puwl, R. in com bina tion with the ratchet, T, and oscillating bar,
f. opereratmg substan tially as a bove set torth and described. 77,816.-Fire-Proof Safe.-A. W. Herr, Chicago, Ill I claim the fire-proof box, consisting of case, A, and box, B, each construct-
ed and arranged, and both oombined as described, he spaces betwen the
same being provided with'water evaporators, arranged in the manner bereln

77,817.-Hay Raker and Loader.-S. R. Higgins, Parma,


 substantialy
77,818 - MandFacture of White Lead.-Otto Jacobi, Phil
 described.
2n The dice set forth in the foregoing clause, in combination with the
vind
nd
 grectively, as specifled.
77,819 - CovNTERINK.-C. Krebs, West Springfield, Mass.
I'claim a countersink having one or more bent lips, whenconstructed sub stantially as herein described and set forth. Laney (assignor to himself and Enos Laney), Waterloo, N. Y.
 Iclaim, chamber. e, and wick
the purposes bet forth.
nation removale brem
nation with a rest
b. Brner , substantially as shown and described, in combl-
the said burner beng so constructed as to be lifted oft
without unscrewing, all as set forth. rom the said rest, $q$, without unscrewing, all as set forth.
77,82. - FURNACE FOR BURNING FUEL FOR als, and for other Purposes. TT. J. Leigh, London, England.
I claim the consbination or tuil in abe of maoten matter, and the con-
struction and working of furnaces adadted to this purpose, as herein de 77,823.--V Vlcanite Billiard Ball.-W. H. Lippincott Pittsburah, Pa.
Illiar blim trorming balls, and other balls of a similar nature, or for sim-
ilar purposes, ot successive la yers of rubber, each layer being vulcaulzed as 77,824.-CrTTCH.-John A. Lobb, Independence, Mo.
 the clame hollow, e", "ar, a, in combination with the plug, d, the spring, e, and
$77,825 .-$ SAW SET.-A. Lyon, W. Shumard, and J. N. Robbins, Goshen, Ohw SET.-A. Lyon, W. Shumard, and J. N. Robbins, their bases only.
and The tapering anvil, G g , ad justable to fit teeth of different widths, as
exlained.
 Marcelin and Joseph Saunders, Green Point, N. Y.
 and described.
77,827.-PALET FOR TIMEPIECE.-C. E. Mason, Elgin, Ill.
Iclaim the pallet block or stnd when sit or cut across from side to side Iclaim the pallet block or stnd, whenslit or cut acros
 77,829. - MACInNE FOR MAKING PAPER POLP. - Warner





 ilaly a9 set forth. tno, Ind.
clain 1 lt, In a revolving spade plow, the hinged frame, $\mathbf{D}$, operating sub-
stantially as and for the purposes set forth.

 arranged and operating substantially as and tor the purpose elyedilied.
77,831 --CAR AXLE Box.-A. H. Nathans and M. Thornton, Macon, Ga. , in the manner and for the purposes speciffed. New York

 herein shownand described for the parposu specifed.



 face of the ground whe in operation, su bstantially as herein descri bed.
77,834. MODE OF REMOVING METALLIC SCALE FROM GLASS
and Moils.-Wm. P. Parrott, (Geo. Hughes, executor,) and J.J.Bordman,
 riatic and fluoric acids, in manner substantially as described, for rem oral of
the metalic oxide or scale from the moils, or from the sand or silica used for
making alass akiso glass.
alsp
with the




 77,836.-Vote Register.-N. A. Patterson, Winchester



 77,837.-Perpetual Calendar.-Charles T. Pooler, DeansI clain, , 1st, A perpetual calendar, consisting of the hands, C and E, work-
ing respectively around horizontal and vertical rohers, substantially as here-
in shown and described.
 77,838.-Seat for Vehicle.-Lewis Pray, Portland, Me
 77,839--Horse Hay Fork.-Emanuel Raber, Lake, Ohio. F, claim, in combination with the pivoted forks, A, the triger, C, hook, forks may encer and, hold and carry the load or charge of hay apon their
tines, and drop it at the pla ce of delivery, substancially as hereln described
and represented.

 W川iliam Reckards (assignor to bimself and Leonard Gattman), New
I claim, ist 1 Tht The box, A, provided with a pendent binged door, C. and a



 the

 ${ }_{7}^{2}$




 -Apparatus for Making Cigars.-J. F. Shepard,

 ${ }_{7} 7$ forth. 77. -Machine Belt-T. F. Snover, Oconto, Wis.
















 I cataon Ill the spring, S , in combination with the toggle bars, $\mathrm{H} \in \mathrm{E}$ and F ,





 head rest, substantually as and for the purpose herein siown ind deseribed.





 ${ }_{77}^{\text {Fortb }}$,


 We claim, 1 st. The heel



 77,863 . - Finishing Leather.-August Bertram, New Alba-





77,866.-Sheep Shearing Chair.-Henry D. Brown, Tip


77,867-A Automatic Car Ventilator.-Isaac Buckingham 1 (assignor to nimself and H H. R. Randall), syymour, Conn.

 7,868.- Shoe For Amaloamatoh.-Tohn H. Bullock, Gold



 77,870.-Device for Boiling and Stirbing Froit.-M.





 77,872.-ADJUSTABLE Sofa.- Ed ward Deetz, Philadenphia


 77,873.-CHORN. Wm. C. Douthett, Rochelle, Ind.


 the same time be caused orise and fill , a sherelin set forth and described. mond assignor to Nathaniel Sweet, Alleghays County N. F . .

 ${ }_{77,876}^{\text {seribed.-Decorating Walls.-James C. Finn (assignor }}$
















 77,879.-STUMP EXTRACTOR-J Jesse Havens (assignor to
 RT,




















 77,888.-Screw Propeller.-John E. Kennedy, New Or-






 tion with the roller, B, and arranged to operate as set forth,
77,891 .- PREVENTING HoGS FROM ROOTING.-J ohn D. Kirk-
 ${ }^{\text {set forth }}$, $892 .-$ Beerive--E. I. Kline, Kirkville, Iowa.

 77,893.- FIsHiNG APPARATUs. Joseph Koehler, N. Y. city.











 ${ }_{7}, 897 .-\mathrm{HA}_{\mathrm{A}} \mathrm{FF}$ FTHR























 I Claimmaking binand tionk bianks by cutting plate metal to the shape here.




 tially ang see forth.


 ${ }^{2} 7,910$,

 77, Peeckham, M. D., Grafton, onio. Dressing Compound.-George F.



 Tribed.-GLobe Valve.-James Powell, Cincinnati, Ohio.
 77,914-DET, DETACHABLE NOSEE FOR BowLs, ETC.-George Ray-


77,915.-JoINT For Shackles.-John F. Reiner, Columbus
 find
find - Can Opmer. Charles F. Ritchel, Chicago, Ill.



 'claini a wingea nuetallic loon -Gor titiachment to harnessee, constructed to























 ist ite appie 1 , substantialy as and for the purpose sit forth. (assignor to


























 77,936.-LAMP SHADE-Gustav Wedekind, Philadelphia, Pa.



 Cliaim, ist, The arrangement of the arm, N, and stantionary padile, $\mathbf{0}$,



 ter by mea, of the spring, s, substancially as descitiee i.

 77,943.-Ylatform Car Stake Holder.-Wm. J. Willits,





## REISSUES.

2,925.-Covering Whips.-Chas. C. Pratt, Westie.d, Mass.,


 asigivee by messe asskraments of Gamailiel King

 , 18 rems, willamedort. Pa a assignee of Rooert $G$. Pine. Patented Aprils,
























## DESIGNS.

3,019.-Imitation Braid for Bonnets, etc.-Samuel A



 3,036 to $3,039$. - FLoor OIL CLoTh PATTEKNS.-Charles T
 3,042.-CLo Yock Case.-George B. Owen, Winsted, Conn. 3,043.- Box STove.-Asu, Snyder and Alexander Delaney 3,044.-TRDE TMARE.-James S. Waters, St. Louis, Mo., as


 3,048.-TRADE MARK.-Dudiey F. Stevens, Boston, Mass.

## Extensions.

$\underset{\text { Attaching Propellers to the Priving Shaft.-James }}{\text { L. Catheart, Georgetown, D.c. }}$








## the candles and set and torm. sid


























 Machinery for Laying Rope.-Stephen Bazin and James


















 PLATE FOR A RTIFICILAL TEETE.-Mahlon Loomis, Washing.


## EXTENSION NOTICES.

Alexander Hay, administrator of the estate of M. C. A. Mellier, deceased, othe said Meller the 26 th day of May, 1854 (said patent was also granted in France Aug. 7, 1854, and in England Oct. 26, 1855), for an improvement in making paper pulp, for seven years from the expiration of said patent, which takes place on the 7 th day August, 1868, it 1 s ordered that the said petition Ae heard at the Patent Offlce on Monday, the 20th day of July next. Albert G. Sa ford, of Boston, Mass., having petitioned for the extension or aplying springs to windowsashes for seven years from the expration of said patent, which takes place on the 8th day of August, 1868, it is ordered that the said petition be heard at the Patent Offlee on Monday, the 20th day of July nex
Jarah W. Reed, administratrix of the estate of Chesney Reed, deceased and Jane E. Mould, administratrix of the estate of Brooks K. Mould, de
ceased, of Chicago, Ill, having petitioned for the extension of a patent ranted to the said Cheeney Reed and Brooks K. Mould the 8th day of August, 1854, for an improvement in ventilating railroad cars, for seven yeare from the expiration of said patent, which takes place on the 8th day of Au-
gust, 1868, it is ordered that the said petition be heard at the Patent offle Monday, the 20th day of July next.
patent granted to him the 13th day of Janaary, 1852 and additional im ovement granted thereon the 20th day of July, 1852 , toran improvement in elinc heddles, for seven years from the expiration of said patent. which thorized by act of Congress, it is ordered taat the said petition be heard at

## Inventions Paterited in England by Americane.

PROVISIONAL PROTECTION FOR BIX MONTHR.
 1,109.-Cortons GIs.-Joseph H. Adams \& Coombs, New York city. April


