

ISSHEL WHOM THE UNITED STATES PATENT-OFFICE yor tae week ending adgobt 1, 1865.
famphlets contaning the Patent Laws and full particulars of the mode of applying for Letters Patent, specitying size of model required and much other in tormation nseful to inventors, may be had gratis by addressing MUNN \& CO., Publishers of the Sclewtific american, New York.

49,061.-Shoe Fastening. - John Adams, Kokono, Ind.

 aif ot which, ar made and combined, claim as my invention, to b 49,062.- Egg Boiler. - Frederick Ashley, New York City Claim as a new article of manufacture an egg boiler having a
suitabee mdicating glass, arranged and operatims substantially as suntabie waicating glass, and
and for the purpose espectited.
This invention relates to a novel and very useful egg boiler, by
whicl the expiration of the time usually allowed for hoilling eggs is phainly indicated, the advantages of which are obvious.
49,063.-Steam Pump.- J. B. Atwater, Chicago, Ill.:
 ubstantiall
49.064.-Lamp. - Lewis J. Atwood, Waterbury, Conn. ${ }^{\text {in }}$. in a danp burner with the chimney bolder projectng bes ond the
per ordted purner shell, Iclaim uaitug the cininnuey holder to the
 $43,06 \mathrm{c}^{2}$ - Oil Well Drill. - Elias Baker, Pittsburgh, Pa.:



 49,066... Paint Composition.-James Ball and John Puriker Ford, Zanesville, Ohio We claum the additoun of lith hrge, red lead, borax and sugar oo
to

40,067.- Dheep Cinair.-Orlando Barker and George E
Blakelee, Huntington, Ohio:
the purposes herein set ior.h.
49,068... Safety Valve for Steam Generators.-S. G
Barser, Dunmore, Pa.:

 E, valves, b, band sprine or weight, constructed and operatm 49,069.-Manufacture of Paper Stock.-Henry betts, Norwalk, Conn.:
Y claim the apllicai ion. of the fibers of the stalks and also of the
oot of the plint known as sedge to the manctiacture of paper

49,070- - Rotary Engine..-Dana Bickford, Boston, Mass.

 hitions, U D, arranged withm the saic case, as and for the purpose
latbochim the arrangement of the annuiar packing reess, ecin in
the head or plate, b, and wi hih respect to tue cyhnder, $B$, as specified. 4U, 071 ... Animal Poke.-Abner W. Bishop, York, Ohio

49,072. - Mucila
Boswellage and Marking Brush.-Edward H. Boswell, Philadelphia, Pa. Pa.
Iclaiu a rapor or other elastit band appied to the brush and
cover of a muciage, marking or other bottie, tor the purposes herein cover of a
spectited.
This invention consists in the use of an elastic barid applied to the botule, ior the purpose of always keeping the brush elevated above the contents of the bottle, except when forced down for the purpose of taking up some of the fluid for use.」
49,073.-Conical Turning Gage.-Milton Bowker, Fitch burg, Mass.:
Priain a combination connuosed of the self-adjustivg bar, $D$, the
 49,074. Helices for Magnets.-Leverett Bradley, New York City:
of claium helit composed of two or more connected spires or tiers
Incol wire, with suffice ent space bet ween the several turns ol the wire to periecty separate them trom each other, and with the
differeat tiers or wires fornung the helix also eeparated (exeept at
the eut 4907.-(ultivator. -James Brewer, Albany, Ill.: First, I ciaim the e mbination (f the corn guards, li, the stirrups
and the swiv ling standards, S , with the frame, when arranged and operating as desci ibed. second the combination of the swive:ing front plows and the
fraue, with the ajojustable siiding collare, the drag cialans, the lifcng chains, the tension screws and the tilting lever, when construct
ed trianed .id operating as described.
Thirr, The combination of the plow siandards and frame with th Third, he combination of the plow siandards and frame with the
adjusing bracket, O, ane swiveligg or crand hinge, P, when con
tructed, wranged and operatiag aw described, for the purpose o

## 


 49,076. - Shoe.-David Brown and Wm. S. Wooton, Ko komo, ind.:
 outer thes oit tha gores, 11 , passing completel ar arund the boot to and fistening a.
[This invention relates to a very important improvement in buots or shoes, which enables them to be put on and taken off of the feet with great facility aud ea e, while, at the same time, there are no
49,077. --Reaping Machine.- J. O. Brown, A. Ingham and F. L. Lomont, Massillon, Ohio
he strip, a, and platiorm, H , hinged together, substantially as an

49,078. - Fare Box.-A. H. Bugher, Cincinnati, Ohio :
 as herein described
49,079-- Fare Box.-A. H. Burher, Cincinnati, Ohio:
Tolai providing the back or check boxes with a concavity,
49,080. Fare Box. - A. H. Bugher, Cincinati, Ohio :
 49.081. Fetter for Animals. - M. F. Burlingame, Willett, N. Y.:
its claim in cumbinan with the hinged ring. A. the ea, C , and
it to spring, the whaie conn
or the purposes set forth.
49,082.- Car Brake.--Wm. L. Burt, Boston, Mass. helaim the tombination and arrangement of the rods;, , $H$, with
the brake heads, he lever, $b$, and the wind ass mechanisms tor op I al. oclaim the the arrmurenent and combination of the adjusting
crevs the brake heads, as specitied. 9,083. - Horse Hay Fork... J. R. Cadwell, Dexter, Mich.





 Sistrb, The e ombination with a fork, constructed with a head, A,
and tines, a, of one or more upper graspint tines, C., and ia locking


 49,084.-Hand Stamp.--Dexter H. Chamberlain, Roxbury, Mass.:
 I also, claim suipporting the type block by a pin, $t$, passing int I alsoclaim the siotted bearings, , through which the inking rib-
bon, e, is slipped upon the rods, d. substantially in the manner and for the purpose set 1orth.
9,085. - Door folt.-Chas. Chevallier, Rrooklyn, N. Y.
 button, $E$, substantially as and tor the purpose see forth.
hiich ombination with a spring catch in the end of alang lever, in tooth is pushed out the folding lever lays flush with the front plate of the case which contains the bolt, and is locked by a spring catch, dereby keping the boit firmly in position, and preventin: Ah fron by unauthorized persons; and wien it is desired to wilhdraw the bolt from its socket the spring catch cau be made to release the pul ley lever by pressing a button in the firont plate, and said folding lever forms a convenient bande, by whicls the bolt can be with drawn irom its socket with conssuerable force.]
49,086.-Railroad Car Spring.-Wm. F. Converse, Harri${ }_{\text {son, U }}$
I claim the eollet, $G$, in
trally clamped disisc spmy
49,087-Gang Plow-C. W. Corr, Carlinville, Ill.

 , and lever, N , all arranged to operate as and lor the purpose set




 sloted welle. x, tor the purpose of adjusting the parts, as shown 49,088. Cider Mill.-J. A. Crever and F. H. Kerney
Cincinnati, Ohio: We cluiitithe enploponent in a crushing and expressing innll of a
cyindrical concave $\mathbf{D}$, revelving io partial contact wilit a smaller
 49,089.-Lamp Chimney.-Wm. H. Culp, HammondsFirst. I Clainio the

 49,090--Carriage Jack.-r. L. Cummings, New York City. Antedated July 26, 1865:
fifion, roller, e, and sididing bar, C, all constructel

short arm of the lever can be thrown Into or betond a vertleal posi
tion and thus sustanin hte welght without ratening the hand level
second Second, The combination of the adjustable rest, E, and verracally
movins
herein specifed.
, when constructed and arranzed to operate as 49.091.-Shuttle Driver for Sewing Machine.---Volney
Cutter, Cincinnati, Ohio :
 nd tor pivots, $c$, horns or tappets, a a and pins, $t e$, as described
|This invention consists in the employment or use of yielding horns or tappets in shuttl? drivers of sewing machines, in such manner that the shutle, instead of striking against a solid bodv at ither endof its stroke, comes in contact with said yielding horn r tappets, and injury to the shuttle driver is avinded. 1
49,092.-Shuttle for Sewing Machine, Etc.--Volney Cutter, Cincinnati, Ohio
clain the combination and arrangenent of the spiral spring
with the bearing or the bobbin journal, for $t$ the purpose of producin he requisite friction, to prevent the thread from being paid out
ovid sprig bea hass for both jour. nals of the bobbin of a shuttle, and it is designed chefly for use in sewing machınes.]
4, 093.-Ink Stand. - Samuel Darling, Bangor Maine :
 I the pirpose hereinbefore explained. a che, the tountain, A, the tand. B, and the spring, C, whereby the spring is nide to answe
the two fold purpose of a cover to the ink and a meanns of holding I alaso claim the combination or the groove, n and rine studs, op
or their mecianical equivalents, with the pressure spribs, c and tlie herein, substantially as speciffed.
 49,094. -Vise.-H. B. Dart, Westifeld, Mass.
 tially as set forth
[This invention consists in combining with an ordnary vise. lrav g parallel jaws, for grasping plane surfaces, a pair of jaws, havin rticles, such as turing rods etc by which two imporent arw con anned in one and the valve of the ordinary vise greatis ausurented
49,095. - Reciprocating Propeller.-Moses Depuy, Pittsburgh, Pa
I claim the emplovment and use of a swinging propell $r$, attachod
o and operating directly on a line, or neurly so, with he piston of the engine, without the intervention or a ciank, combined vitin a
siding trame working in an overlian attached to the ousicie of a siding trame working in an overnan $x$ attached to the ousice of a
vessel, when constructed, arranged and operating substantianly in
the manner and for the purpose heren set forth.
49,096. - Harness Motion for Power Loom.-C. Juck Firsth, Mount Carmel, Conf.:
First, I claim tie employment of a ioose cross arm, e, upsen the
oock shaft ct, in combination with the kuives, it a, and fixed cross arm, c, substantialiy as described.
scond, The doubleacting pitman rods, F. F', the former heing
connected to the rock snatt, cit, and the latter being connected to
 Fourth, The spec, fied "onstruction, arrangement and combination
of the closers, bb', and knives, a a ${ }^{\text {a }}$, when tho latter are operated i the closers, b b', and knives, a a ${ }^{2}$, when the atere operated
described, for the purpose set forth. 49,097. - Hydraulic Jack.-Richard Dudgeon, New York First, IClaim ine arrangement and constraction of the cistern
pumn chamber and ram cylinder, in the manner he ein described pumn chamber and ram cylinder, in the manner he. ein described
and for the purposes set forth.
Second. I clam the relative arrangement of the nump chamb r istern, and upper apetcure of the cistern, wherevy the pump ch $m$. ber, although sitn 2ted within the cistern and made in one piece
with it, may nevertheeess be bored out and have its plunger appiod and removed as set forth.
Third, I claim tre combination and arrangement of the r,d with in the plunger for tripping the valve, substantially ns deecribed.
Fourth, I clainn the arrangement of tie puinp cylinder within the cintern and between two asertures closed by honnets as described,
ot that the eduction valve may be ap.lied and reenved from the underside of the cistern and the pump plunger may be applied and
undeve from the upper side of tile cistern, as set focth. 49,098. -Refrigerator or House for Preserving Anima and Vegetable Substances. -J. Hyde Fisher, Chl
 upper and lower compartments, B C C, of the house in combination
with the aprons, $H$, tlue, $F$, and ventiator, $G$, ail arranged sub
 49,099. --Diagrams for Testing the Value of Mutilated Currency Notes. - Leander Fox. New York City: I claim the transçarent diagraus lin
49,100.-Lock for Piano.-E. I. Giaylord, Terryville I claim the
Iclaim the two segment bolts arranged so as to work from a com
mon center and operated throush the medium or ihe tumbier con nested with them, sunstantially in the manneri as aud for the pur 49 101.-Lock.-Charles T. Gibson. Baltimore, Md. I claim, First, A lock which is provided with a movable ealn
bar, C , and tongue, S , a a ciapted for securiug a hasp, or its cquivilent bar, C , and tongue, s , aciapted for securiug a hasp, or its ceuivilent as described. $\begin{gathered}\text { second, The swinging bar, } \\ \\ \text {, , in combination with a tongue, } s\end{gathered}$
 thaily as described.
Fourth, Applying the tongue, s , which recoives the has:, D , to the
extension, B2, of the lock flamane, in combination with a bar, C , and

49,102.-Feathering Paddle Wheel-Albert Gilman Charlestown, Mass.:

 fixed or stationary ring guine or track. cic, in winlit the pinis
ots of the arms travel to govern the position of the padule.
49,103 . - Stirrup. -John S. Gould, Allegheny, Pa.:
 and for che purpose set forth
49,104.-Cotton Chopper, Cultivator and Drill.-Joei A Hall, Keokuk, lowa:
I claim, First In connection with a fraine, A, the adjustible han-
des, B C, arranged and operated as above' de.int bed and for tha
 Third, The combination of ihe plow-share. or point, $v$ gufle
blade, iv, and pivoted wings, $x x^{\text {² }}$, substantially as and for the pur-

 49,10.- Brick Mold.-James A. Hamer, Reading, and Thomas Lippincott, Philadeiphia, Pa,
 eo the combined mold for the expanion and aontracioion or the




49,106. - Process for Disintegrating Vegetable Fibers.-
Charles Heaton, New York City: I clan the process herein described of treating vegetable fiber. b
cubjecting it or a short time to a high degree of heat without the
presence of aliali, and afterward immersing it in an alkaline solu presence of alkali, and after
tlon at a lower tempersture.
[The object of this invention is to:separate gummy, silicious and tber surrounding matter from vegetable tiber in a simple and exeditious way, part of the means used for this purpose seing me chanical and part chemical, in conjunction with heat.]
4,107.-Railway Chair.-John L. Hills, New York City Antedated July 21,1865 :
I claim, in combination with the wrought iron chairs, C a b , the
brace bar E , stending irom chair to chair, and held in notches
between the abutting ends of the rails, as herein shown and debetween
scribed.
49,108.-Tempering Steel Springs.-William Hughes, Bloomington, Ill.:
antime heating, and cooling them off, a b before desscribed.
Second, $\mathbf{T}$ be hydrated solution above set forth, and composed of the ingredients herein spe :
or 'elther cast or spring steel.
49,109. -Wood-bending Machine.-Philip Hurm, Hamilton, Ohio:
pins. (, a and wedges, O, â ranged and operating together substan
tially as described.
49,110.-Trace Trimmer.-William L. Hutchinson, Bur lington, lowa
I claim a device for trimming traces and other straps, constructa
TThe object of this improvement is to faclitate the trimming or ressing of leather traces and other straps, anu for harness and ther purposes. Th haral consists in the prngs-namely, a a oral and a verical sell-adusting spris-wit adyuse cur the trace or crapstruction beine such that on very smoothly and rapidly trimmed upon its edges.]
49,111.-Cultivator.- Hanford Ingraham, Naples, N. Y.: I claim the transverse beams, A and B, and center forward beam,
a, in connection with the knee braces, Co, as constructed and ar-
runged sulustantially in the manner and for the purpose set torth. 49,112.-Light Wagon.-II. L. Isham, Plattsburg, N. Y.; springs to the bolster and axle, in the manner sulstantially as herein
 $49,113 .-$ Padlock.-H. Jackson, New York City Iclaim the sping $F$ bearing against the latter, the leve leve notehed at its upper edge to catch against the projection, $e$, at the upper par of the case, substatially as and for the purp se set iorth-
itriner claim the pivoted catch, $G$. connected with the erame,
as shown, to operate simultaneously therewith, for the purpose pecitied
49,114.-Water Wheel.-Andrew Jamison, Taylorstown Pa.:
Wo parts, F F F, the tormer, F, being so arianged as to contain or
holut the water so that it can act upon the wneel by gravity whit the la ter, F', are provided with operings, c, and so arranged as to
admit of the wateracting upon or against them by impact, and then allowing it to pass in to
stantianly as descriteu.
[rhis invention relates to a new and useful improvement in overshot wate: wheels, and it consists in constructing the buckets in wheel be driven that the $y$ will receive the force of the water, and the 49,115.-Blacking-box Holder.-Charles E. L. Jelliffe, I clann a blacking nox havin
I claun a blacking box having a handle or holder attached thereto
substantidly in tae manner described and ior the purpose specitied.
[This invention relates to a novel and very useful device for a holder for bout-blacking boxes, the object of which is to prevent th hands trom becoming soiled when the blacking is used.]
49,116.--Valve Cock.-Nathaniel Jenkins, Boston, Mass. J claim the employment oo an ajustable st por regulator, $N$, ,
its equivalent, in onmbination with the follower of a valve cock, sul stancialiy as set forth and ior he purpose set forth.
49,117.-Grain Drill.-David J. Jones, Sadsbury, Pa.: Mirst, 1 clainn the slides, $M$, with their openings. $y$ y, adjustable
plates. $N$, comoined with the hoppers, $I$, and operated substantiall as and for the purpose specified. Third, The levers, H . with the pins, m , and the slides, M, with the
notelhes, $x$, constructed and operating in combination with the notchev, $x$, constructed and operating un combination with the
levers, K , subttantia.ly as and for the purpose set forth. Fwurth, The drums, I, with tbeir cords., b and d, operating in
comuinat on with the drill teet, $G$, and beveling plates, $J$, substan tiany as sp cinied.
FHith, illun operation for depositing grain, seeds, etc., in the
sround, in such quantities and at suchlintervals as may be desirabie.
Sixth, The drul tort, $\mathcal{G}$, hung to the frame, and combined with the cord, $t$, as and $f$ or the purpose specitied.
49,118.-Boot and Shoe.-Isaiah T. Jones, Sandwich, I claum bevehng under the inner surface of the part, $B$, so as to
 piece, U , substanially ay 49,119.-Machine for Making Paper Board.-John F. Jones, tochester, N. Y.
 set forth.
tion colle, In paper-making machines, the combination of the suc-
toxes compos d or the rollers, I I and $K$, operathe sub tion vox, or boxes compos.g of the rollers, I I and $K$, opeorating suc
stantially in the manluer and for the purvose herein set torth. 49,120.-Sota Bedstead.-Francis Keller, New York I claun the combination of the baek, C, seat. a, flaps, E, hooks, e,
hinges, bi, wnen constructed and arranged as and for the purposes
[This invention relates to an improved sofa bedstead, and it con
sists in a peculiar construcrion of the ists in a peculiar construction of the same, or in an improved
arrangement of its parts, whereby a better bed is obtained than sual in such devices, of the kind obtained.]

## 9,121.-Corn Planter.-Philip H. Kimball, Prophets

 town, Ill.:Firct, I claim the peculariv shaped runners or shoes, $L$ L $L$ con
trncted and arrane. and coverines the seed therein, sulytantiallv as herein set forth. Second, I claim so combining the runners, I . $L$. of my machine
with the weifhted levers, $N$ N. as that each runner and enverer may. under an adiustable degree
 I claim in combingtion with the sed slide. N, of my improve
crnn phantor. the ninions. h h. onerating azains the edge thereof
subct:ntiallv a* and for tie nurpose berein set Founth, I claim, in comhination with the nivoted roller scrapers, A, and the platform and driver's seat of my improved corn-planting
machine, yedescribed the fot liver, R.for the purposeof operating
said scraper, subtantialv in the manner herein set forth. 49,122. - Machine for Rounding and Polishing Balls. John loper Knowlton, Philadelphia, Pa.:
First. T Tlaim the method herein discrimed of imparting to the
ball while heing ground or turned, an int
 rovided with chucks at thelr inner ends, or any other equivalen
means connstructed and operativg substantially as and for the pur So sent forth
Sene
Second, The combination of four (more or less) chucks, $E$ E $E$,
modeto crasp the rork at stat dintervals with a grinding wheel or
milling to milling ton, app ied and operating substantially as and for the pur
po edeccriber. Third. The combination of the segmental rack,, , pinion, $d$, shaft. escribed, to rogulate the pressure of the sand wheel against the Fourth. The rains. $n$, and toses, s , in combination with the car-
For

49,123.-Drill for Well Boring.-0. B. Latham, Seneca
Fans, N. Y.:
I claim the adiustable reamer. C in two sections, the screw, e,
lates c the key and qibs, in combination with the drill and shank arranged and operating conjointly, substantially as and for the pur
pnse set forth.
49:124.-Journal Box.-Henry A. Lee, Worcester Mass.:
 9,125.-Steam Boiler.-David Lister, Carbondale, Pa I claim a pipe 8 , arranged near to the bottom ort o that surface perforated witit a number of holes a. in the manner and for th
purpose substinntally as herein shown and described. 49,126. - Revolving Car. - Daniel Lott, Lottsville, Pa.:
 49,127. - Musical Instrument.-Thomas Loud, Philadel phia, Pa.:
rana, metode,on or other pinsical iustrument and board of a re harnler contanning the rually employed therein for cother devices used for produ the
nusing
nusical sounds, arranged and operating substantially as herein nusical sounds, arranged and operad
scribed and for the purposes specifit
[This invention relates to the mode of opening and closing the wells of melodeons, reed organs, etc., and consists in a simple and the feet are employed in working the bellows, and without retnoving the hands from the keys, the importance and advantage of whic are self-evident to all performers on such instruments.]
9,128.-_Screw Wrench.-Horace W. Love, Brooklyn I claim a single diagonal adjustable screw wrench, constructe and capable or operating substantially as described.
49,129.--Drill:-John M. May, Janesville, Wis. First, I claim beenit side to bive the drill a slig htly rotatill an on in a horizon tal direction at each blow of the drill, substantially a described. A swivel formed of parts, E E and G, When used to allow
Second,
drill or a punch drill to revol ve 10 the path ot a hurizontal direc Third, Using a spring guide to catch pieces of rock, and other sub
stances that fall into a drilled well and obstruct ile operation of a Frill, substantially as and for the purpuses described.
Fourth, screw or strainer when uned in a pump drill, substan
tally as and ior th purposes described. 9,130.- Rreech-loading Fire-arm.-bdward Maynard Fir t, I
Fir:t, I caaim the formation of an outlet, in or through the con escape of eases leaking from the cartridge or or gu barrel at the ex
plosion of . he charge therein, substancially in the manner herein set torth. The use and combination of a central recoil rod, B, with movable co se seat. A, and the loading iperture of a breech-load
ing gun, substantiall in the manner aud for the purpose herein set

49,131. - Manû̂acture of Felted Fabrics.-Edwin D MCCracken, New York City:
I claim the use of the fiber of cane or reed.in combination with oool or fur, or with both wool and fur, in the manutacture of felted 49,13\%.-Surgeon's Operating T'able.-'l'homas McIlroy New York City: A, and provided with a hinged portion. B', and hinged leg exten
sinn, E E, each section, to wit: $B$ B E and E , being provided with
devices tor vertical adjustment; substantiall devices tor vertical adjustment. substantially as described.
Second, Iclaim the lateranly adiustable I. g ex ension, by means
of the pivot joint, F , to support the leg in its laterally d -Rected posiIn combination with the table, B, Jclaim the hinged back support,
I. J, wi:h its device for vertical adjustment, substantially as de 49,133.--Machine for Cutting screws.-John A. Merriman, Chicago, Il1.:
K, acting directly upon the theuse of the lateral sliding bearings
means of nclines, operating

 gs, $k$, and the dies, $g$, su
49,134. -Mode of Hoisting and Lowering Window Sash.
Johis Ind: apoiis, Ind.:
First, In combination with the upper and ower moveable sash of
window, a c rd win la $\mathrm{l}: \mathrm{s}$ and pulleys, or equivalent devices, so a window, a $c$ rd win las and pulleys, or equivalent devices, so
that the saiu sash may be raised or lowered at pleasure, andper-
fectly balanced, wien the windlass is tixed within the window casing.
Second, The combination of a cord,fwindlass and pulley, with the
upper and iower sash of a window, or equivalent devices, so that the
sald sach may be raised or lowered at pleasure, and perfectly bal-
anced when the windlass is attached to the iower sash. Third, In combination with a hoisting and lowering device ap
plied to one edge of a window sash. the friction rowllr, $M$ M, applied
o diagonally opposite corners of said sash for the purnose set torthe Fourth. In combination with the wndlass, A, for reai log and
owering window sis! and the ratchet and pawl, B , the friction Fith The lock, $P$, or its equivalent, in comhination with the atchet and pawl of the windlas,s, A. for the purpoje of fac, titating
the working of the upper sash, and for toc ind the window with the
aid upper sash at any desired point of elevation. 4, 135.-Washing Machine.-John H. Monsees, Smith City, Mo.
I claim the par
 portang bars, d, lever framu, D, inclioed abutme att, c', and guarl
[This invention relates to a new an improved clothes washing machine, of that class in which a swinging plunger is used, and th the invention is to obtain a wa hing machine of the class specified which will be simple in construction, and possess adyantages thers of the same class. as hereinafter referred to 3
49,136.-Summer Stove.-Francis Morandi, Boston
I claim, First, In portable summer st.oves or furnaces. arranging
perforated cover, K , upon the smoke nipe so as to enable one to a perforated cover, K, upon the smoke nipe to as to enable one to
discharge the smoke into, and use the stove with a kitchen stove or
ange, without requiring any change in the latter, substantially
 purpose descrined the combination of a summer stove or fur
Third
Ilso claim the nace, with a platform or heating suriace, $H$, [on the pipe, substantially [The object of this invention is to provide a portable. convenien and economical summer stove, for domestic and other uses. It with in toits fiues, or else with a chimney or product of combusto eing provided with a boiler hele and the dicherge ode to he ting and heating surface.]

49,137.-Car Spring.-Wm. Neubauer, Philadelphia, Pa. metal, with tie resilient parts, on augles from the central posilion of tho, spring plates, which combose the combined spring. and de-
creasing the length of the said rexilient parts of each plate, in order, rom the outer plites, for the purpose of increasing the srength of
he sprivy and imparting increased elasticicy to the sume, substanI also claim varying the angles of the resilient parts of the spring
n such nanner that there sial be paces, b, exteuding over the Hhole surf ce of the spring plates, betweent heir poin's oi contact
substantally as represented, tor the purpose of giving nucreased substantialy as represented, for the purpose of yiving
elasticity to the spring. suistantially as above described.
49,138.-Churn.-Abel Newbrougn, Madisonville, Ky.: A, and a dijustmenc as shownat b, the several parcis being cins structed
and arranged in ielation to the churn, $C$, as and ior tlie purpose 41,139.-Lathe for Turning Heads ori Nails, Tacks, Etc - Wm. H. Nichols and Horatio H. Abbe, Chathau

Conn.:
claim, First, 'rbe employment or use of the cap, J, attache' $;$ the arm, $K$, arranged substantially as shown in such, relationa with
he mandrel. $\mathbf{C}$, to admit of the head peing readily adjusted on the Second, The combination of the cap, J, milling tool, T, cutter, $\mathbf{Q}$
and thimbe, $\mathbf{H}$ all arranged and combined with a mandrel, $\mathbf{C}$, t
[This invention relates, first, to a new and improved means for milling for mill the the a curd tor ming forth to thimb, ther ars the the had, and fourt, manner that the device may be operated with the greatest facility by hildren equally as well as by adults.
9,140.-Molding Crucible.-George Nimmo, Jersey I claim, First, Manutacturing crucibles in a plaster mold, in the manner a and for the purpose specified.
Second I clain lever 1 , and rib, ap, applied in the manner specified
to 10 orm the interior of a crucible c , ntained within a revolvina mold as set torth mold, de lever, , and rib. n, as and for the pirposes syec:ified. in the manner specified, in combiaation with .the countespoise, $k$
fulcrum, a an stop, for determining the size of the incerior or
the crucible, as specified. 49.141.-Manufacture of Crucibles.-Geo. Nimmo, Jer sey City, N. J.
I claim a cruchble or pot of plumbaye, with a linngy or coating of
clay. or clay and sand, or similar material, for the purpeses and as 49,142.-Pipe Coupling.-James Old, Pittsburgh, Pa. I claim the mode of conuecting tubes or pipes of wrousit inon or
other metal (when so thin as not to admit of cut:ing scriw threads
unticiently coarse to be easily unted) by means of the screw coupling, the male and female parts of which are united tothe
opposite ends of the pipe or tubing, by a very fine screw in the pipe opposite ends of the pipe or tubing, by a very fine screw in the pipe
or tube and coupling, and soldereid around the pipe or tube and
coupling, substantially as hereinbefore described. 49,143.-Breeching Strap Fastening.-A. W. Olds, Green Oak, Mich.:
I claim securing the breeching straps to shaf sof carriages by
means of a hook in one end of which the strap is looped, in combi-
nation with a fixed pin or staple of the siatit means of a hook in one end of which the strap is looped, in combi
nation with a fixed pin or stapple of the siant on wheh he hook 18
hung. arrange torether and on huag. arrange together and operatiny substantiand in the manner
dalso caim for the purpore specified. above, the use of a spring 49,144.- Bottle Stopper.-Robert T. Osgood, Orland Maine.

 49,145.-Stand for Ladies' Figure.--Joseph R. Palmen berg, NewYork City.
I claim the arrangemens and construction oi a :tacd for ladies
igures, and similar articles. made in parts iu tite manner $\dot{\text { iescribed }}$ and for the purpose substantially as set forth
49,146.-Preserving Wood, Etc.--George Palmer, Lit tlestown, Pa.
or heating the inner ind outer surfface of timber, surticientlty to
open the pores of the wood, and extract th 3 sap and gaseous matter sherein described for the purposes secified.
second, I claine openiag the pores of timed, by appiying heat, in
timater
9,147. - Cill penetrition for Frames, Bottles, Etc.-John T. Peet, Cincinnati, Ohio: I claim the use of a sphaltum, or risin, with any suitable powder,
the end and for the purpeses substantially as set forth.

49,148.- Lubricator.-Theodore G. Pelton, Lyons, Iowa and James Brewer, Albany, Ill.
We clam, rirst, Makling the valve stem for oil cups in two parts,
when constructed, arranged, and operating substantially ${ }_{\text {in }}$ the mannor de scribedi in ation with the valve stem, constructed substanfor the purposese st tht th
Tith the stem, constructed substantially as
49,149--Lock for Piano.-A. F. Preifer, Newark, N. J.:
 the manner substantially as described.
[This invention relates to a new and improved lock for desks, pianos, chests, the cases of sewing macbines, etc, and it consists in the employment or use of a bolt pivoted to a sliding bolt, and arranged in such a manner as to turn over and catch into plate which is attached to the lid or cover of the article to which the
lock is applied, and at the same time be capable of turning back so as to pass outiof the plate when the lock is uniocked.]
19;150.-Cotton Seed Planter.--Brown Platt, Pana, Ill., and cilaim, Firman Platt, St. Louls, Mo.:

 from remaining or becoming a compact mass. of the box or reservoir
Second, we claim conveying the seed out of

 part of the orifce through whin at that point,
end, to prevent seed clogsing
49,151. Apparatus for Mashing, Boiling and Ferment ing Grain.-E. F. Prentiss and R. A. Robertson, Philadelphia, Pa.:


 When necessary, and or or rawintof the wort therefr rom.
Bpecifie, The sparger, $c$, perforated as described and for the purpose

or the purpose substantialy as described.
 Sixth, The compination of the boiler, B, pipe, f, and column, ${ }^{\text {and }}$,
the latter having pipes, k and k , for the entrance and exit of steam
 scribed.
Seventh, The combination of the solid wo
,
 dubstantially as shown and described.
Cinnhection ihe emplitheyment of the cooling and heating ves sel, D, in system of levers, the several parts being constructed as shown, and
the whole arransed and operating substantially in the manner and
 ng mait liquors.
49,152.-Composition for Lining Petroleum Barrels. Robert Price, Jersey City, N. J.:
and cransporting petroleum oil or similiar substances, substantially as
described and for the purposes set forth.
49,153.-Coal Stove.-D. S. Quimby, Brooklyn, N. Y.:
 Ialso claim the register, r, r, fitted as speciried, in combination wit
49,154.-Watch Regulator.-George P. Reed, Roxbury, I claim the
screw, f, to the pointer, b , in combination with the application

9,155.-Watch Escapement.-Geo. P. Reed, Roxbury, Mass.:
 ranged in manner and so as to operate with the scape wheel and
impulse pallet of the balance wheel, substantially as specified. 49,156.-Manufacture of Axes.-Henry C. Reynolds, Manchester, $\mathrm{N} . \mathrm{H}$,:
 erated substantially as herin described. 49,157.-Azimuth Compass.-E. S. Ritchie, Brookline
Mass.:
I claim theorabination of the light.converging cy lindro-segmental
lens, E, or its equivalent, with the limb
ant


 ent, and its fore sight, or fore and back sights, to be employed on an Compass, in manner substantiany as hereinberore explaned.
 ein as specified
I also claim the
 Mulus, A, or its equivalent, its fore sight, or fore and back sights, and
the light-con vergnin lelis, , the same being as specifed,


 49,158.-Machine for thestitug, Cutting and Punching Tron.- J. J. Rose, Himwood. Ill.:



This mivention consists in a novel arrangement of levers with whole forming a compact and portable machine convenient. for a. Smith slop.
49,159.-Sash Fastener.-A. H. Rowe, Hartford, Conn.
 or the purpose set forth.
ircular case, in combination with a radially-sliding, arranged in a
such a manner that when the device is applied to a sash by turning the cam in one direction, the spring bolt is drawn in and the sash unfastened, allowing it to move up or down, and by releasing the of the window from so sith it locked by the cam, and the possibility of a spontaneous unfastening of the sash is avoided.]
49,160.-Photographic Lens.-Joseph Schnitzer, New laim, First, A lens, A, constructed of a tripletfront lens, B, and doubtlet back lens, C, substantiallly as herein set forth,
Second, The correcting lenses, hi, and the disk, F, or its equiva-
lent Sent, applied in correting $g$ lenses, h i, and the disk, F , or its equiva-
the with a lens, $A$, substantially as and for the purpose specified.
correcting lenses, ll i, in combinationt, with thished with one or more
lins, $A$, constraphragm, $G$, and ens, A, constru.
The object of this invention is a photographic lens, which co and which is so arranged that its focus can be adjusted, and that the same instrument can be used for pictures of different size.]
49,161.-Cutter for Wood-turning Lathe.-James Shannon, Cohoes, N. Y. Antedated July 30, 1865: I claim the construction of a cutting tool, by the combination of a
ouge or gouges, $G$, with a toothed cutter. B. formed as described, within specification.
49,162.-Railway Frog.-Theodore Sharts, Albany, N.Y. I claim the erncloyment or use of a movable or detachable tongue, applied to a frog,
herein see forth.'
[This invention relates to a new and improved frog for single dinary switch, and, consequently, with a switchman
49,163.-Key-bolt Connection of Car Trucks.-J. J. Sherman, Albany, N. Y.:
I claim, First, The elastic key-bolt connection for railway car
riaces, when arranged and applied to operate against lateral or other horizontal impulse, substantially as describet.
Second, Surrounding the pivot.or key-bolt connections with india ubber or other elastic substanee, contined within metallic cups or
oxes. in such manner as to admit of a horizontal motion of said
oys-bolt, but no vertical motion, suostantially as described. 49,164.-Horse Rake.-S. M. Sherman, Fort Dodge Iowa:
I claim the combination of the S.formed wooden teeth, $E$, bars
$e$, arms, $f$, link, $F$, and lever, $G$, all as specified i'rhis invention onst
wood, bent or curved in S-form, and arranged or applied in rake manner as to form a cheap and durable horse rake and which will perate perfectly, and be capable of being manipulated with the greatest facility. j
4,165.-CCoal Stove.-James Spear, Philadelphia, Pa.: laced inside a stove, bavinth direct draft and an arranged and operated
in the manner and for the purpose herein set forth. 49,166.-Ditching Machine.-Nathan Starbuck, Wilmington, Ohio .
the clim, the wheel, E, provided with flanges, c. projecting beyon I, also claim the the purposined specified. planes. L , attached to the scraper bar
H , when used in combination with the wheel, E , plow, F , and scraper I, for the purpose set forth
I further claim placing Ifurther claim placing the wheel, plow and scraper within a frame,
c, placed or arranged within a frame, $A$, substantially as and for
hie purpose specifed.
(This invention relates to a new and improved machine for exca vating ditches, and it consists in the employment or use of a whe provided with flanges for cutting the sides of the ditch, a plow fo raising the earth between the cuts made by the wheel, and a scraper
and inclined planes for taking the earth from the wheel and discharging it to the sides of the ditch.]
49,167.-Window: Glass.-Thomas D. Stetson, New York I claim as a new- article of manufacture double or duplex glas tirhtlv joined at or neart the edges and adapted to serve in the man
ner herein set forth. 49,168.-Adding Machine.-T. T. Strode, Mortonville, Pa.:
Iclaim the revolving disk, A, marked with figures on its circum-
erence and provided with a cam groove, c , and with cavities, p , ombination with the slotted dial groove, c, and with cavities, p, in 49,169.-Calendar Clock.-T. T. Strode, Mortonville
Pa.:
I claim the sliae, B, marked with the names of the months and
rovided with openings, $h$, to operate in combination with the provided with openings, h, to operate in combination with the
wheel, A, marke wiultares from to to and provided with con
centric grooves, e, substantially in the manner and for the purpose entric grooves,
erein set forth.
9,170.-Closing Hand-hole Plates in Steam Boilers.
Joseph R. Taylor and Horace A. Towne, Centralia
We claim the plug, $\mathbf{B ,}$, inserted in the boiler plate, in combination
with the cap, $\mathbf{C}$, and clamp, $\mathbf{D}$, substantially in the manner and for the purpose herein shown and described.
[This invention consists in the use, for closing hand holes in steam bollers, of a plug secured permanently in the boilers and bored out give access to the interior of the same, in combination with a cap ting on the surface of the plug with $V$ or bell joint, and held down eiving saide screw clamp, in such a manner that by taking or re replaced, a tight joint can be produced without the use of india mber or other costly packing.]
9,171.-Method of Preventing the Breaking of Glas
by Exposure to Heat.-Eli Thayer, Worcester Mass.
I clam the non-conducting lining when applied to the surface
lass exposed to fire or to a high heat, substantially as set forth.
49,172.-Steam Generator.-Eli Thayer, Worcester Mass.:
Fet forth. Itatm the tubular supporters of grates, substantially a Second, In combination with their supporters, I claim the exten-
on or continuation of the pipc or pipes into the combustion cham er, substantially as set fortll.
Third, The combination of
Third, The combination of these supportcrs with the screen grate
19.173.--iled Brake.-Levi H. Thomas, Waterbury, Vt. ing rrame, the same belng connected with the levers and so operat
ng the gronk- or dogs that they will adjust themsolves to the den ng the grong. or dogs that they will adjust the
sity of the substance they come in contact with.
Sesond I claim placing the pins it in
sesond, I cluim placing the pins, if f, in such a position with the
movible hooks, e, as to alwiss insure their taking hold to break
the force of the load when pressing forward
9,174.-Steel Trap.-Levi H. Thomas, M. D., Water-
bury, Vt.:
I claim the jonted pan so constructed and arranged as to embrace
th ends of the jaws, and hold them closed.

Second, I claim holdng the trap set, the pan forming the catches
under the
 set or sprung
Fourth I claim the mode of constructing animal traps, whereby the pan forms the levers for setting.
Fifth, I claim the iointed double pan, in combination with the
spring and jaws the same being constructea and operating in the spring and jaws, the same being constructed and op
manner herein described for the purposes speciied.
49,175.-Manufacture of Wrought Iron.-Robert Thomas and Giles Edwards, Columbiana, Ala.: We claim extracting wrought iron direct from its ore or from the
oxide of iron, by subjecting a layer of pulverized ore, which is oxide of iron, by subjecting a layer of pulverized ore, which is
mixe, with carbonaceous matter, to the action of heat and balling
the metal s rapidly nee
the mith as rapopidly as it it is set flee from the surface of said layer, substantially as described.
Second, Conducting the within-doscribed process, substantially as
described, upon an inclined or porous surface, substantially as se $t$ 49,17 i.- Fgy Beater.-Howard Tilden, Boston, Mass.: I claim a case or box provided with a rotating wheel mid wav beially as descrised, so that the wheel will be turnel by the content
of the box as it fiows from end to end, when the box is shaken 49,177.-Drill for Wells.-J. H. S. Tuck, Cambridge Ohio
I claim locking drills for boring oil or other wells to their rods or
shafts, substantially as and for the purpose above described. 49,178.-Cutting and Grasping Shears.-Samuel W. Falentine, Boston, Mass.:
I claim a cutting and grasping shears having a yielding hold fast,
for the purpose substantialls as set forth.
49,179.-Burning Hydro-carbon Oils.-Delevan D. Van
Norman, Lester B. Brown and Enoch R. Morrison,
Pirt, We claim placing, Pa. the furnace or fire box of a steam
boiler a retort for generating gas from petroleum or other hydro boiler a retortror generatnge gas from petroleum or other hydro-
carbon liquid, the retort being surrounded by atteam cha mber,
from which superheated steam may be used with a small portion of
Sarbureted hydrogen gas or fuel.
Second, We claim pacing a copper or other metal coil of pipe in
the bottom of the retort, through which superheated steam is adthe bottom of the retort, through which superheated steam is adThird, We claim one or more pipes leading from near the top of
the retortdown under the bottom of the same, for the purpose of
intensif ving the heat in the retort, and therebv dispensing with firo Fourth, We claim the smoke jacket surrounding the retert and Fourth, We claim the smoke jacket surrounding the retort and
stear chamber, in comb年ation with the fre pan, whereby the
smoke of the burning liquid is brought in contact with gas and steam, and is entirely consumed.
Fifth, We claim the fioat valle placed in the retort for controlling
the supplv of petroleum or other liquids for generating gas, in the the supply of petroleum or other liquids for gener
manner fierein set forth.
Sxxth We claim fore
crude oil, by pressing a coil of steam pipe through the tank, as de. Scventh, We claim the perforated coil or curcular, $q$, in the top
pipe of the retort, for the purpose of letting small portion of steam pipe of the retort, for the purpose of letting a small portion of steam
into the top of the gas-generating retort, $G$, to commingle with the gas as it escaves for ignition. Eighgement of iron or other suitable me as herein described, in combination with the gas-generating retort.
Ninth, We claim the construction and arrangement of the stcam Ninth, We clam the construction and arrangement of the steam
pressure governor valve, in combioation with the spring balance, as ressure governor valive, in co
and for the purposes set forth.
49,180.-Dogs for Lathes.-Wm. Vine, Norwalk, Conn. First, I claim the arrangement of the two adjustable plates, A and Second, The arrangement of the corrugated faces, or thoir equiva lent, sub.
49,181.-_Cutting Soles of Boots and Shoes.-J. H First, I claim cutting and bevellnng. the rear end of tap soles at one
and the same operation, substantiany as set forth. Second, I claim the use a nd employment of the double curved
nife, with an irregular edge, b c, substantially as and for the pur 49,182.-Picker Staff Connection in Looms.-Warner Weiland, Deakam, Mass.
I claim the arrangement, substantially as described, of the picker
statt and the socket, the bearings and the pin of its carrier. 49,183. - Harvester.-Thomas Welch, Churchville, N. Y. Frrst, I claim the combination and arranqement of the box,,
constructed as shown and described, with the crank pin, , socket
wheel, or its equivalent, and driving shatt, $A$, of reapers and a, wheel, or its equivalent, and
mowers, for the purposes specifled.
Second
Sed escribed, in combination constructed and arranged as shown
and crank box, $\mathbf{D}$, and cutte
bar, for the purpose set forth 49,184.-Reaping and Mowing Machine.-Thos. Welch, Churchville, N. Y
I clamm the arrangement of the ratchet, R, fixed, D , the ground
wheels, $\mathbf{P}$ in combination with the adjustable spring pawls, P urpjses described.
 , the indenendent spring pawls, pand and steady pin, g, constry bar
rranged and operating in the manner and for the purposes shown and described. Third, I claim the employment or use of the circular stock, $\mathbf{J}$, and its silide, s . the the lat employment or unaving a ratchet the cige, and both bock, being an ar
ranged and operating in the manner shown and for the purposes secifled. The roller, $T$, in combination with the circular slide, $S$,
Fourth,
s shown, and for the purposes set forth. as shown, and for the purposes set forth., J , and brace, L , the brace
Frfth, In combination with the stock ar, M, arranged in the manner and for the purposes set forth.
Sixth, The lever, t, and ratchet wheel, w,
constructed and ar
anged'as shown, in combination with the circular ratchet slide, $S$, and icelking latch, r.
1!, 18, Crank Bin Boxes.-Thomas Welch, Church
ville, N. Y.:

 second, In comoination with the crank head or box, A, of harvest-
ers, the chambered cap, $\mathbf{C}$, constructed, arranged and scribed. 49,186.-Harvesting Machine.-Milton A. Wheaton, Snisun City, Cal.:
First, I claim, na combination with the cam teeth, B, the employ
ment or use of the friction rollers, D D, and the jointed vibrating
nods E , , or their Second, I claim the employment or use of the collars, II II, or
their equivalent, with the depression and projection, substantially
and ior the purpose spcciied as and for the purpose specitied.
49,187.-Stamping and Crushing Mill.--J. J. Whelpley We claim, in combination with, Mass.: rial arms, or disks, of a
rinding, crushing or pulverizing mill, the employment or a plate.

47,188.-Gas Regulator.-Joseph S. Wood, Philadelphiia, Pa.:
First,, claim passing the gas through the valve, H , by means of Second, I claim the valve, $H$, in combination with the stop, $K$, sub stantially as described.
rlird, I, clain the combination of valve, H, stop, K, and set
screw, m, substantially is described. 49,189.--Bed Botton1.-William Workman and C. F Suaim, Ripon, Wis.
thereto, or the slats themselves, to the rods or projections, c , in such
a manner as to keep said slats extended, and employed in combina
a
 as and for the purpose herein set forth.
9,190.-Straw Cutter.-George T. Wright, Cincinnati Ohio:
 49,191.-Machine for Cutting Rings from Ivory.-Chas. . Basseny) assignor to company), Bings from any materia
I claim forming rings from any material out of which buttons or
ot her circular articles are cut, by cutting them from that portion the material which is exterior to the buiton, and at the same opera-
tion with the cutting of the button, by the means substantially as
described.
49,192.-Process of Varnishing and Polishing Wood.-
George Bricker, Sr., New ille, Pa., assignor to him self and George B. Hammer, Harrisburg, Pa., I claim the process herein des.
wood, substantially as set forth. 49,193.- Beater Press.- L. C. Field (assignor to himself $I$ claim, First, The two levers, $F$ F. ${ }^{\text {. }}$ employed in combination
with the rope, $H$, beater, $\mathbf{D}$, and notches, $g$ and $r$, in the manner and for the purpose set torth.
I also claim the standaras, $n$, on the beater, D , when used in
combination with the levers, F , and rope, H , for the purpose spec
 rs or beaters, at the will of the attendant, as described. I also claim the ways or track, I , at the bottom of the press box
and arranged substantially as shown for the discharge of the bale and arranged subs
from the press box.
49,194.-Reaping Machine.-Henry Fisher (assignor to C. Aultman \& Co.), Canton, Ohio:
I claim sw inging and dumping table, G, operated automatically, I claim sw inging and dumping table, $G$, operated automatically I also claim in combination with a swinging and dumping table,
he hinged section, d, at its front edge, as and for the purpose subItantially as herein described. with a swinging and dumping or dro I also claim in combination with a swinging and dumping or drop-
ping table, a slield, or holder, operating in connection therewith, as
and for the purpose described. 9,195.- Starting Cars. - A. F. French (assigno
self and Ed. Chas. Terrili), Franklin, Vt.:
I claim the lever, F. pawl, c, in combination with the ratchet Wheel, d, draught pole, D, and with the axle or wheel of a street car
or other vehicle, constructed and operating substantially as and for
tho pur
[This invention consists in the application of a lever pawl an ratchet, in combination with the draught rod or draught chair, and with the axle of a stretcher or other vehicle, in such a manner that in starting the car the strain exerted by the draught animal or an mals is increased by the purchase of the lever, and the operation of tarting the car or othervehicle is rendered comparatively easy, and an be effected with mach less exertion for the draught animal or animals than by the ordinary arrangement.
49,196.-Steerlng Apparatus. -Nathan Richardson (as Mass.:
I claim in a steering apparatus made with a worm gear on the radder head, and operated by means of worms or endless screws
meshing therein, the arrangement of said screws outside of the per-
iphery or said gear and substantially in the plane, as and for the
purpose specifed.
Also arranging the endless screws with reference to the gear on
the rudder head, so that by forcing the screws toward the center of
the rudder head it will be prevented from lateral motions.
49,197.-Lite Boat.-A. L. Shears, Flint, Mich., assigno
himseli and H. T Woodman Dubuque. Iowa. I claim the general arrangement of the boat herein described of scuppers and thwarts susceptible of being raised or lowered at pleas
ure for communication with the air chambers of the boat, arranged together and operating substantially in the manner and for the pur
pose peecified.
[This invention relates to some important improvements in life boats, whereby their efficiency is much increased, and the safety of its passeng
structed.]
49,198.-Salve.-Wm. Slape, Salem, N. J., assignor to hamself and H. S. Marsh, Philadelphia, Pa.: I claim a salve composed of the substantially; as set forth.
49,199.-Steam Boiler.-Wm. Mont Storm (assignor to
himse f and R. Charlton Mitchell), New York City: First, I I laim the relative arrangement of the parts of my steam
boiler, substantially as follows, viz: In a cylindrical horizontal shell, the arrangement of two indepeadent furnaces, located at
itsmide, with mrate bars running transversely toits length, said fur-
naces being separated by a water space or "leg," and their products naces being separated by a water space or "leg," and their products
f enmbustion respectively pasingright and leit through fieses (pre-
erably small tubes), to chambers. 1 , and thence through some Second, I claim in conjunction with the other general arrange
ment of the parts of this boiler, the application of a series of auxni hell, from its end to its furnaces respectively, in the manner and or the reason given. hollow head or "tonipion," with its conduits
Third, I claine the
or circulation, substantially in the manner and for the purpose described. I claim the app,ication of the sleeve, m m , through the
Fourth,
steam drum and chimney, ior the objects described. 49,200.-Flour sifter.-George W. Tileston (assignor to Asa Wilmot) New Haven, Conn
I claim as a new article of manufacture, a flour or meal sifter
consisting of a curvilinear vibrating sieve, and a crusbing or pul vonsisting of a a curvilinear vibrating sieve, and a crusbing or pul
vering roller, सhen the whole is constructed and fitted to produce
the result, substantially as herein described.
the result, substantially as her ein described.
Albany, N. Y., and Edward Wackerhagen, Green
Albany, N. Y., and Edward Wackerhagen, Green I claime
a paint.
49,202, -Barrel for Holding Petroleum.--George $W$ Williamson, Gouldsborough, Pa., assignor to him self and D. W. Lee, Wilkesbarre, Pa.
1 claim, First, Filling the space between double barrels, designed
to contain petroleum or otlier volatile tuias, with a solutiou com
posed of water, chalk or its equivalent Sosed of water, chalk or its equivalent, substantially a so described.
Second, With a solution composed of water and chalk or othe mineral equvalents.
Third, With a solution composed of water and glue or other glu

49,203.-Machine for Refitting Stop Valves.-Samue Wing, Monson, Mass., assignor to himself and George R. Toplift, Brooklyn, N. Y.:
I claim, First, The concave miil, B, provided with an internal
yieldin: center, c, and arranged in suitable bearings, a, in combina tion with the adjustible center, C. constructed and operating sub
stantially a and or thie purpose set forth.
Sec. TH, The guide, E, and conical mill, $\mathbf{D}$, applied in combination
with each other, substantially as and for the purpose described.

49,204.-Cultivator and Planter.-E. M. Wright (assign I or to himself and A. Crst, The construction and arrangement of the under



 means of thes or ere seams, $\mathbb{Q}$, con E , oc
substantialy as herein describcu.
Fourth, I also claim operating the seed-dropping Wheels, U U, by
the overnig
ohteel, O , under the control of the driver, by means of the lever-armed rock siaft, s, and flexible con necting reds, s
and t tho their equivalents, substantialla as herein speniied.
Fifth, 1 also claum the projecting ledge, v. in the soiral seed sepa
 Seventh, 1 also claim the construction of the drill teeth or shovels,
with sockects or mortises fitting over their standards, for the purpose
specified.
9,205.-Machine for Hulling Grain.-Christophe Our Bullot (assignor to Bullot \& Company), Santa Ros de los Andes, Chili
I claim the decorticating apparatus herein described, the sam
onsisting of the grinding disks, $G L$, feeding screw, E , fans, M .
and air pipes or conductors, $\mathbf{N}$ O, arranged to operate in the manne
described.
[This invention consists in subjecting the corn or other grain to be decorticated to the influence of moisture for a few minutes previou to exposing the same to the decorticating apparatus, which is composed of two pairs of wooden grinding disks; the grinding surface eather or other fixibe material, and those of the second pair bein covered with leather or other fiexible material only, in combination with suitable conduits and fanblowers.]

## 9,206.-Suspended.

9,207.-Lock for Satchel.-Bernard Steinmetz, Paris France:
I claim the arrangement of a sprirg lever, $D$, in combination wit
tumbling bolt, $V$, acted upon by a spring, s , and operated by mean of a key, when combined with the jaw, frames of a carpet bag
satchel, etc., and operating in the manner and for the pirpose sub

49,208. -Wrench.-James White, Cleveland, Ohio I claim the stop, L, operating as descrubed, in combination wit
the disk, F , and adjustable jaws of the wrench, whereby they can be sed at any desirable angle, and in
wrench from the nut, as specified.
REISSUES.
,040.-Box for Hats and Bonnets.-Oiiver A. Dailey
Patented March 14,1865 . I claim a hat box made of paper, cloth, leather, or the equivalen
respect to lightess, and strengthened by the use o bs, substantially as described.
,041.-Seed Coverer for Grain Drills.-John S. Gage Dowagiac, Mich. Patented Aug. 26, 1862
I claim. First, The seed coverer as hereio described, constructe on theirrear and bottom edges as represented, and are connected
by an intermediate portion, ,eso as to have a space, b, bettween
them, the said coverer being made of one piece of metal only and seeding machines, so as to operat
ridge or row, as herein specizied.
Second,
Second, Providing the coverer with a lug, c, adapted to receive
weight, substantlally as described.
2,042.-Tackle Hook.-Joseph W. Norcross, Middletown, Conn.:
I claim the strap or brace, B, which forms the Iclaim the strap or brace, B, which forms the upper section of
he lower eya of the hook, A. and is made to swivel on the neck o the lower ey of the hook, A. and is made to swivel on the neck o
said hook, and connected to its points, substantially in the manne
nd for the purposes set forth. 2,043.-Lightning Arrester for Telegraphs.-George A Stearns, Roehester, N. Y. Patented June 21, 1864 :
I clam the protection of electric telegraph lines from the disturb I clanm the protection of electric telegraph lines from the disturb.
ing induences of atmospheric electricity by means of a small, fine
gard-wire, nnserted in the main or line circuit thereof, in such a manner as to complete said circuit, when such guard wire is used in
combination with a meallie surface or with a series of metallic points, connected with the earth and placed in close proximity to
the line at or in advance of said guard wire, all substantialy in the manner hereits set forth.
ircuit of an electrictelegraph and the earth, for the discharge of atmospheric electricity from the the earth, for the dincharge the use of charcoal, pow-
dered glass, powderedamber brught into contact with said line and or oconnected with the ground
substantially in the manner herein set forth.
2,044.-Machine for Sheeting Plug Tobacco.-W. J. Van
Horn and Wm. Alexander, Louisiana, Mo. Pat Horn and Wm. Alexand
First, We claim the combination and arrangement of the two of pressing rollers, F , arranged and operating substantially as and for the purposes herein specified and shown.
Second, We claim in combination with asid cylinder, pressing roll
ers and belts $G$ G the employment of the feeding table, $J$, all ar
ranged and

Fouribed. We claim the employment of the rollers, $M$ M, provide
Fith the longitudinal cutters, $N$, arrang ed and operating as and for the purposes set forth.
Fifth We claim the combination and arrangement of the two Firth We claim the combination and arrangement of the two
pairs of rollers, $L$ and $M$, provided respectively with the cutters. a
and $N$, arranged ard opreating substantially as and for the pur and N, arranged ar. d opreating substantially as and for the pur
and herein and shown.
Fifth, We claim the combination and arrangement of the cylin
Find Fifth, We claim the combination and arrangement of the cylin-
der, B, rollers, F, table, J, belts, C, G, cuting rollers, L and M, con
structed and operating substantially as and for the purposes hecin specified and described.
2,045.-Sawing Machine.-A. E. and J. V. Warner Norwalk, Ohio. Patented May 30, 1865 :
We claim the above-described arrangement of operating a circular
saw, in combinatton with a cross-cut saw, or separately, substantially poses set forth.
046.-Skeleton Skirt.-S. H. Doughty, Clinton Town-

Draper. Patented Oct. 4, 1859. Reissued Dec. 27 ,
1859 :
Icriaim the new manufiacture of skeleton skirt, substantialy as de scribed, consisting or a series or tapes woven in the direction of
their length, 1 n alternate sections, sa single and as double tapes,
with the hoops inserted in the loop formed by wearing the tapes as
dithte ditu the hoops inserted in the loops formed by wearing the tapes as
double tapes, and there secured to prevent the tapes from sliding July 25.
2,034.-Turndown enameled Paper Collar.-James HHoffman, New York City. Patented Jan, 24, 1855 I claim the new article of manufacture consisting of a turndown
or folded enameled paper collar, substantially as described.
2,035.-Carpet Bag Frame.-Samuel Lagowitz, New York City, Patented July 7, 1863:
I claum the cover, B, made of clastic wood and attached to one end
of the jaws, $A$, by stays or brackets, all as herein shown and de-
scribed.
2,036،-House for Preserving Fruit, Etc،_Benjamin M.
Nyce, Cleveland, Chio. Patented November 2,
1858. Reissued October 23, 1860; again May 16,
1865:
with absorbents of moisture, substantially as set forth, either with 2,037.-Preserving Fruit and other Perishable Substan-ces.-Benjamin M. Nyce, Cleveland, Ohio. Patented November 2, 1855
I claim the method of preserving fruit in a chamber whose walls,
doors and floors are practically air tight, and so proof against the
 chamber producing any desired degree of dryness.
,038.-Preserving Fruit and Other Perishable Substan-ces.-Benjamin M. Nyce, Cleveland, Ohio. Pat1860 . May 16,1865 . 1860; again May 16, 1865: I claim the above described outside air tight casings of walls,

Engine Governor.-Thomas Silver New York City. Patented April 26, 1859:
I claim the combination of a spring with a momentum wheel, and


## DESIGNS.

149.-Bass Relief for Bust of Abraham Lincoln.Elizabeth V. Bun
2,150.-Stove.-Gardner Chilson, Boston, Mass
2,151.-Trade Mark.-D. L. Gold and J. B. Adams, Springfield, Ill.
2,152.-Carpet Pattern.-E. J. Ney (assignor to the
Lowell Manufacturing Co.), Lowell, Mass 2,153.-Plate or a Cook Stove.-Garrettson Smith and Henry Brown, Philadelphia, Pa., assignors to Marshbank \& McConkey, Lancaster, Pa.
2,154, 2,155.-Stove Base.-N. S. Vedder (assignor to
Cox, Church \& Co.), Troy, N. Y. Two Cox, Church \& Co.), Troy, N. Y. Two Patents. 2,156.-Cook Stove.-N. S. Vedder (assignor to Cox,
Church \& Co.), Troy, N. Y. ,157.-Top of a Stove.-N. S. Vedder (assignor to Cox, Church \& Co.), Troy, N. Y.
Utica, N. Y.

## ATENTS

## FOR SEVENTEEN YEARS.

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Yours very truly, terests ot your employers. Yours very truly, Chas. Mason.
[See Judge Holt's letter on another page.]
Hon. Wm. D. Bishop. late Me mber of Congress from Connecticut, Htice he wrote to us as follows :
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 Office was transacted through your agencr: and that 1 in iave evel
ound you faithful and devoted to the nterests of your clients, as well
as eminently as emin ently qualijici to verform the duties of Patent Attorneys wit
Vill and accurac $\overline{\text { V. }}$
Very respectaully, your obedient servant,
WM. D BISHOP.

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re concerned in new inventions.

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