Col. Haraszthy:-"Yes; we sell these in the San Francisco market at 25 cts . per lb ; but these fine table grapes do not make good wine. I will remark that my land which is not suitable for vines I plant in almonds and olives. I have several thousand of these trees and they do very well. I have sent some almonds to the New York market. Almonds will grow whereever peaches will; you might raise them here."

## THE WHISKEY CONTROVERSY.

This potent article is exciting an unusual degree of attention just now. The subject of increasing the tax on the article is now before Congress. It is proposed to tax the stock on hand; and this has, of course, brought out all the strength of the "holders." It is reported that $\$ 5,000,090$ worth of the "sweet creature" will le affected by the tax; hence the strong opposition to the ineasure. It costs to make whiskey, about 25 cents a gallon; the present tax of 20 cents made it sell, tax paid, at 45 to 50 cents a gallon. Last fall, shrewd operators, knowing that the tax would have to be increased, commenced to buy upall the whiskey in storeand pay the tax whereit had not been already paid. The next move was to have the Commissioner of Internal Revenue recommend a large tax. This was done, and the official announcement was made after the stock had gone into the hands of speculators. Whiskey went up to 75 and 80 cents. When the report came into Congress, and others found it out, it advanced to one dollar a gallon. The Ways and Means Committee recommencled a tax of 60 cents a gallon. This, added to the first cost, would make about 90 cents, but the house voted, by nearly a two-thirds vote, that all whiskey would be taxed, whether in store or in the hands of distillers. This has thrown the operators into tribulation. If whiskey in store must pay revenue to the Government, then their stock is only worth about 45 or 50 cents a gallon, for the additional 40 cents goes either to epeculators or to the United States Treasury. It will make a difference of from $\$ 2,000 ; 000$ to $\$ 3,000$,000 on the stock on hand. The latest phase of the question looks very much in favor of the speculators. Some members of Congress don't appear able to stand the " whiskey strain." It overpowers them.


IS®UED FROM THE UNITED STATES PATENT-OFFICE for the week ending february $9,1864$.

Famphlets containing the Patent Laws and full particulars of the mode of applying for Letters Patent, specifying size of model required and much other in formation useful to inventors, may be had gratis by addressing MUNN \& CO., Publishers of the Scientific american, New York.
41,467.-Heater.-Orrin Abbott, New York City :

 the compartment by the raziffing of the eir in $E$, or the chamber
with whicl it communicates, and a circulation of pure warm air be kept up in the compartunents
Third, Regulating the suppiy of water to the compartment, j, by
means of the hinged disk or reservoir, $n$, asranged substantially as
described. described. The indicator formed of the cloth, $p$, attached to a frame
Fourth,
inclosed within a box, $K$, and suspended from a scale beam M ,
 buckets, s, wor ing within the reservoir, $P$, substantially as set forth
Fifth, The box, , wrovided wivt the dan per, $H$, and communi cat
ing with the foul-air pipe, E, and arranged relatively with the f eed
onening f , in the siore or heater, for the purpose specitled 41,468.-Track-clearer for Railroads.-M. J. Adams, Bedford, Pa.:
I claim the application of this combined snow plow and ercavato
snow otstructions on railroads for their removal, using for that purpose the aforesaid combined snow plow and excavator, or any
other substantially the same, and which will produce t.e same effect. 41,469.-Revolving Rake.-S. E. Ament, Oswego. Ill.: 1.laim, ifst, The cast bearing-box, D, with stops thereon and ar-
ranged relatively to one or more stops., 'I, and to the operative parts
of a revolving rake, substantially in the manner and for the purpose ranged relatively
of arevovin rak
heren set orth.
Sccond, I claim


 connection from the rigid slaft, A, tothe teeth,
manner and for the purpose herein set forth.
41,470.-Machine for making Soap.-Avery Babbett, Auburn, N. Y

41,471.-Relief Valve for Water Cylinders.-T. H. Bailey Troy, N. Y.:
 upon its seat with a rariable yieldng pressure or may be elcevat
therefrom or held immovably thereon as an ord nary screw plug.
[This invention is more especially intended for application to steam
fre-en ines. The cylinders of these machines are generally fitted fire-en ines. The cylinders of these machines are generally fitted with connections for throwing two or more streams, and it is often this throws an extra pressure of one or more of the streams, land to cause the bursting of the hose. The only means heretofore adopt ed to prevent this has been to apply an escape valve which has been
opened when necessary by the hand of the englneer in charge. This opened when necessary by the hand of the englnecr in charge. Thi invention consists in a valve of novel construction, controlled by a spring in such a manner that it shall open automatically to relieve
the cylinder and bose, or other pipes, of extra pressure whenever ne the cylind
cessary.]
41,472.-Trigger Cover for Firearms.-John Birken head, Ilion, N. Y. I claim
described.
1,473.-Lamp Chimney.-E. S. Blake, Pittsburgh Pa I claim, in a lamp chimney composed in part of plates of Hat glass, form a
forth.
41,474.-Grain Drill.-James Bucknell, Decorah, Iowa : I claim the particular construction of conductlng tubes, $H$, adapt ployedin combination with the seed-box, D, slide, J, shat fut, E, and
scoop disks, $F$, to convert the machine from a broad-cast sower to a
drill
41,475.-Gridiron.-E. C. Brewster, Bristol, Conn. I claim as an improved article of
constructed substantially as described.
41,476.-Wheel Vehicle.-Lorenzo D. Brown, Lafayette, Ind.:
I clalm, first, The stir rups, $D$, hinged to the bolster, E, in combina
tion with the axles, $\mathrm{C}^{\prime}$ of the front wheels, $\mathbf{B}^{\prime}$, and with the draught tion with the axles, ${ }^{\prime}$, of the front wheels, ${ }^{\prime}$ ', and with the draught
pole,, , all constructed and operating in the manner and for the pur
 Second, Tne spiced bolster, K, to operate in combination with the
axles, C , and with the reach, $G$, substantially in the manner and for
the purpose set forth. 41,477.-Harvester.-R. D. Brown, Covington, Ind.:

 the eontinuity of the rocking motion or or pratining the parts. afiecting
Second, In the described combination with a floating platiorm, end less rake and swiveled coupling, I claim the chain, R, and pulleys,
and $S$, or eupuivalent fiexible device for transmitting motion to the
raking mechanism, as set forth. raking nechanism, as set corth.
Thind, In the described combination with a swlveled coupling, $E$ e
$\mathbf{e}^{\prime} J J^{\prime}$, I claim the devlec forvarying the pitch of the cutting appar atus, consisting of the drag bar, 1 i , bracket, $H$, arm, $G$, and pin, $\bar{I}$
or their equivalents. Fourth, I calaim the arrangemont of the outer and forward endless
rake-pulley, u, within a lever, d, in the rear edge of the flnger bar rake-pulley, w, within a lever, d, in the rear edge of the finger ba
so as to bring the tront edge of the endess rake within working dis
tance of the sickle. tance of the sickle.
Fifith, , hhe arrangement of shafts, $K$ and $J$, gear wheels, M and $N$,
specififed. 41,478.-Tool for Turning Lathes.-Amos A. Burr, Rock-
dale, N. Y.: dale, N. Y.: I claim the two yielding jaws, A A, provided with recesses, a a
having screw threads, b, formed or cut onthe, one of said jaws be
ing provided with a cutter, D, and used either with or without the segnent rod, $C$, and autur, $D$, and used either with or without the
for the purpose specifled. [This invention relates to
beads, on wooden articles such as furneful tool for cutting spiral lathe, and while being centered and rotated in the same.
41,479--Harrow.-S. P. Campbell, Rochester, Minn. : I caimm, first, A sec cipnal harrow provided with a universal- join
coupling composed of a hook, B, on one side, and a swivel, $\mathbf{B}$, on the other, or their equivalents, substantially as described.
Second. In combination with a harrow, constructed and united as
described, I claim the tongue, D, when the whole is arranged In the manner and for the purposal het froot, the sections of which are united by means of a univecraal joint, , and each section being wra are from it
own center, substantially as and fort the purpose set fort h. 41,480.-Water Indicator for Steam Boilers.-Charles H.
Carey, Detroit, Mich.: I claim the combinatio
 41,481.-Implement for cleaning the Bores of Gun-barI claim a device for cleaning and
composed of a plunger-1like body, A, of india-rubber or ot of fier elarmstic
material, coated with or having material, coated with or having incorporated into it emery or other
scouring or polishing material, screw, B, nut
whole combined substand socket, $D$, the 41,482.-Elevator for loading Cars.-R. D. Chatterton,
Bath, England: Bath, England:
I claim, ifst, Therising and falling platform, $\mathbf{B}$, formed of two sep-
arate parts,

 poised, substantially as hown, when used in, connection with the tray
F, for the purpose specifled. H, , arranged to to perate in or on stecte, G, in combinination with the catch,
tially as and for the purpose set forth. 41,483--B ffer for Railroad Cars.-R. D. Chatterton,
Bath, England : Bath, England
I claim the employment or use, in a buffer for railroad cars, of
springs, , levers, F, and wedge-shapcd projections E . on a slidling
coupling bar, D, arranged to operate in the manner substantially as
aup inc thar, Durporrangered so set forath in the manner substantially as
a further claim, in combination with the levers, $F$ the tal levers, $H$, and, springs, I, arranged to operate in conne cupplemen- with
the coupling bar, $D$, substantially as and for the purpose specifed. 41,484.-Horse Hay-fork.-D. B. Clement, Brooklyn, I claim the be
attached to the and rod, E , all arranged to operate substantially as and for the pur
pose set forth.
(This invention relates to an improved means emplosed for distaching the tines to the fork head end also in an improved way of suspending the fork in its bail, whereby it is belleved that several advantages are obtalned over the forks hitherto usea.]

41,485.-Revolving Vegetable-steamer.-Selah B. Col
lins, Lyndon, Mich. Ante-dated, Jan. 27 , 1864 . lins, Lyndon, Mich. Ante-dated, Jan. 27, 1864 : I claim the wings or elevating bars, W, which are made adjustable
and detachable, substantially in the manner iand tort the purposes
specifed, in combination with the rotary stenming box, C , as sct
forth.
41,486.-Bath-tub.-E. F. Cook, Omaha, Nebraska Ter ritory :
I claim a bath-tub having its back constructed with double walls to
orm a hot-water chamber, substantially as and for the purpose set forth.

Ante-dated Jin.-T. C. Craven, Greenbush, N. Y Ante-dated Jan. 27, 1864 :
I claim, first, a series of teeth connected at one end to a celinder,
within and eccentric to an outer cylinder, so that said teeth will be within and eccentric to an outer cylinder, so that said teeth will be
aternately projected and retracted in the revolution of such cylin-
der, when said cylinders are connected torether, substantially as deder, whed so that they revolve in unison upon a non-revolving shate-
sithout strain or friction on the teet h. as and for the purpose set
wither forth.
in coond, I claim the plates, 12 , constructed and adjusted as specised
indination with the cylinders, e and f , mnd teeth, 8 , wherely the
 Third, I claim constructing the teeth of the ecotton-gining criluder
of pointed wires having L-ghaped bends, bs means of which they are
secured to the cylinder, e, by bands, 4 , as sct fortl.


 cotton, as set forth.
sixth, I clam conveying the cotton irom the ginning cy linder up
the incline, 1 , to the condensing cylinder or a current oi arr, induced the incline, 1 , to the condensing cylinder by a current or air, induced
by the suction blower, o, enter ing the opening, 9 , as specised. Serenth, I claim the arrang ement of the roller, t, brush, v, and ad-
justabele guard, w, whereby the action of said brushin in separating the
motes can be regulated, as specifled. motes can be regulated, as specitited.
Eigith, I clain the , condensing cylinder, m, supported and driven
by the rollers, t and y, as specificu, whereby the eaid condensing cyllnby the rollers, tand , as spening , whereby, the saidp conded ansing driven
derlin-
der can be formed without any central a ais and with its ends open foit der can bo fermed without any central axis and with its ends open foi
the air tobe exhusted, aspecif
Ninth, I claim the exhausted condensing cylinder, o, fitted and act
ing as specifled, in combination with the rollers, $y$ and $z$, for remor ing as speciffed, in combination with the rollers,, and $z$, for remor
ing the cotton irom such cylinder, as fpecified.
41,488.-Spring Bed-bottom.-A. C. Crondal, New York I claim the sleever, $c$, and hooks, d, applicd to the ends of the egg
shaped slats, C , and operating in combination with the end rails, a
and and stop raili, f. in the
in shown and described.
41,489.-Gas-check for Breec h-loading Fire-arms.-Fred-
erick Curtis, Newtown Lower Falls, Mass. Ante dated January 29, 1864
I clalm the combination ol arrangement of the gas chiect: with che
barrel, as above described, with sadd gas cinceli bearing within the
chamber of the barrel on its outer periphery only at its front end, chambibr of the barrel on, its outer periphery only at its front end,
and with the chanter of the barel pede of the torn and cxtending
beyond the gas aheck, essentially in the manner and for the purposes
as above described. beyond the gas chect.
as above described.
41,490.-Stump-extractor.-D. A. Danforth, of Elkhart,
Ind.: Ind.:

 in the manner and for the purpose lierein described.
Third, The combination ot the hook or guide, , and brace, N, with
a flange on the inner side of ratehet, K, and lever, $F$, foi the purpose a flange on the inner side of ratehet, $K$, and lever, F , foi the purpose
heiein described. Fourth, The combination of the flange, $Q Q$, and ribs, $R S$, in com-
bination with the axle, $M$, and lever, $F$, for the purpose letein do
scribed. 41,491.-Gang Plow.-F. S. Davenport, Jerseyville, Ill. I claim, first, The hinned or swinging axletree, D, at ached to the
irame, A, as shown, in connection with the adjustable stops, e e, as
and for the purpose and for the phrpose herein set forth.
second, The caster wheel, H, attached to the shaft, $Q$, which iscon
nected to the sliding bar, $F$, having a le ver, J, attached, when sai nected to, the sliding war, F , having a le lev, J. Jh. attached, whin when said
parts are used in combinan with the swinging axletree, D , as and
for the purposespecifled. ntion consists he depth of the penetration of the and improved means for gageng ing them out of t the earth when designed to be inoperative. The in vention also consists in a novel and improved means for guiding the machine and turning it at the ends of the furrows.]
41,492. - Tea-kettle.-William C. Davis, Cincinnati,Ohio First, I claim the provision of a straight edge or bearing, $\mathbf{A}^{\prime}$, at the
bottom of the breat as and for the purposese exainef
Second, The combination of the straight edge or bearing, $\mathbf{A}^{\prime}$, with a
 41,493.-Horse-power.-A. J. Detrick, Dryden, N. Y. : 1 claim, in constructing a horse-power eqnaiizer, the chain, , , and
pulley, e, when place directly upon the equalizing circuit, i, a nd
combined with the rings, 1 and g, aid stoppers, $d$ and $f$, as described combined with the rings, a and g, aind st
and arranged for the purposes specifled.
41,494.-Fishing-line Reel.-Andrew Dougherty, Brook lyn, N. Y.:
I claing the combinat and arrangement of the spool for the fishing claine with a winding mechanism at one end of it, and with a fric-
tion brake at the other end on it, and opposite the winding wechan
 the unwinding of the line with a thumb-plate or lever handle placed
betwen the heads of the reel frame, substanially as set forth
I also claim the combination or the ever handle that oper ates the
and I also clasm the combination of the iever handie that oper ates
controlling mechanism of the tpool, with one of the cross-bars of the In also claim a double-headed from.
substantially as set forth
41,495.-Penman's Assistant.-H. G. Eastman, PoughI claim the combination of the fountain pen or pen-holder case, B,
with the palm or hand support, A, whether made of metal, hard rub-41,496.-Petroleum Stove.-IV. T. Eddy, West Hoboken, N. J.:
I claim, as a new article of manuracture, the petroleum stove conIr claim, as a new article of manufacture, the petroleum stove con-
structed as above described, with a tottom plate, B Badapted to re-
ceive one or more lamp burners), a top plate, $C$, window, $c$, chimney,
D, and deflector, $G$. [An engraving and full description of this invention was published on page 233, Vol. ix., Scientific american.]
41,497.- Horse Collar.-Chas. J. Fisher, Waukon, Iowa : First, I claim dividing the side pieces, A A, of the collar trans-
versely into two parts and connecting said parts by a hling or joind,
b, in connection with the plates, B, and screw, c, or an equivalent b, in connection with the plates, B, and screw, $c$, or an equivalent
fastening, all arranged substantially as and for the purpose herein set Sert.
Secon, The combination of the pivoted hames, $\mathbf{C}$ C, plate, $D$, and
strap, E, an ranged and applied substantially in the manner as and strap, e, arranged and applied
for the pur pose hereia set forth.
[This invention relates to certain improvements in a horse collar for which Letters Patent were granted to this inventor bearing date
July 17, 1860.] July 17, 1860.]
41,498-Chimney-flue.-W. W. Fryer, Jr., Albany, N. Y.
Ante-dated Feb. 3. 1864. Ante-dated Feb. 3, 1864 .
I claim the employmment and use in chrmey fues, \&c., of the tabes, B, made or the suppring points on the upper ends thereff, in combinas.
b, at twith the crock, a, all made and applied in the manner and for
tho tion with the crock, c, all made
the purpose as herein described.
tubes of clay, plaste of paris and lime and water, fir -clay, or any
other suitable material, which tubes are built up in the square holes ey the ordinary manner and ends, so that each length is independently supported and held firm in its place. The stovepipe hole is formed by a large hollow, clay-brick or crock made and and altogether it is a decided improvement over everything in the way of stovepipe entrances ever before made.
41,499.-Horse Hay-fork. John S. Gage, Dowagiac, Mich.
First, I claim the attaching of the bail,, , directly to the tines,
of the fork in connectlon with cross-bars, B B and for the purposes herein set forth.
Second, The spring brace, $F$, connected to the bail, $c$, and provided
 fhis
[This nventionrelates, first, to a novel and improved mode of con and the bail connected directly to the tines, and a very durable an and the bail connected directly othe tines, and a very durable and and improved means for holding the fork in a proper position while being elevated with its load and for tripping the fork, so that it mas discharge its load.l
41,500.-Air-gun.-Pand Gifiord, Paris, France
air is utim the construction of air-guns in which and the compressed stantaneous, and with the air thereof on the proinectile rendered in
stantially as hereinberore described.
41,501.-Lock-joint for Street Railways.-Wm. C. Gould,
New York City :
I claim the method of connecting the ends of rails for city rail-
roads so as to secure a eontinuous track, ,y causing one rail to lap
uponand enter within another, substantially as described. I also claim the use and application of the key, E, in combination
with such laps, substantiallr as and for the purpose set forth. 41,502.-Car Coupling.-James M. Gow, Rock Island, I clalm the combination of the dra w-pin, B, when slotted and oth er wise constracted, as herein shown a and described, witt the
[This invention consists in a slotted drav-pln supported by a pivot In the upper part of the draw-head and projecting through a slot in theunder side of the same, in combination with the ordinary coup-
Hng link, in such a manner that the link, on entering the draw-head will push back the draw-pin and ailow it to catch between said link and shoulder in the under side of said draw-head, and in uncoupling
two cars nothing is required but to raise the draw-pin in its slot high enough to release the link.
41,503.-Construction of Hoes, Rakes, \&c.-John S. Hall, I claim fastening a hoe or rake to a so cket or pang by means of
the collars and groove on the latter, and and aval or oblougopening in
the formerin connection with a kep to hold them together, substan-
ol,50t.-Boiler Feeder.-A. Hammond, Jacksonville Ill.: I claim the arrrangemont of the reservoir, B, and pipes, a b, with
the boiler, A, cock, c, float and rod, f g, all in the manner herein
shown and described [This boiler-feeder
arranged above the boiler, and haring its top and bottom connected therewith by two suitable pipes, in which there are stop.cocks, which are connected with a float in the boiler in such a manner that, when said foat opens both cocks, and so places the water in equilibrlo, and allows it to descend by gravitation into the boiler. As the water in the bolierrises, it raises the float, and gradually closes the cocks, shut off the water when the boiler has been supplied to a proper level.]
41,505.-Postage or Revenue Stamp.-Emanuel Har clalm, tirst, The empon, D. C.:
or revenue stamp, which has been the same ink to cancel a letter scribed. face of the stamp, substantially as and for the purpose de Second, In canceling a letter or revenue stamp, I claim the use of
the Bame ink or coloring matter as that employed in printing the
same or any essential part thereof, in the manner and for the purpose above described.
41,506.-Machine for cutling Bungs or Corks.--Peter
Hayden, Pittsburgh, Pa.:

 and for the purpose set forth.
Third, The boltsuutaining plate, $\mathbf{Z}$, when used in connection with
the plate, $\mathbf{U}$, clamp bar, $\mathbf{V}$, and stop, $\mathbf{X}$, as and for the purpose speci
fed
 slide,
forth.
(The object of this invention is to obtain a machine for cuttin angs for barrels and corks for bottles, which will be automatic in its

41,507.-Self-rocking Cradle. -C. H. Helmkamp, Read
ing, Ohio

forth. Water Whecl-Birdsill Holly Lockport N Y l claim the reservoir, c, bearing, d f, and conduit, , in, in connectio
coth the induction, $\mathbf{B}$, beneath, substantially as and ior the purpos witb the inductio
heretn set forth.
41,503.-Screw Tap.-James Howell and David Birdsall, Jersey City, N. Y.:
1 clam, inst, A screw tap having two heads, one or both of whic
are adiustable lengthw ise of the shaft, to bring the two at any re fuired distance apart to tap simultaneously two opposite holes intwo
ube sheets or other pieces at any distance apart, true to a common axis, subetantially as herein specitide.
Second, Ma king such a double-headed
Second, Ma aking such a double-headed tap with two squares or flat
ened portions for the reception of wrenches, one or said portions be-
ng upon the shaft, and the other upoñ thenore distant movable ngy upon the shaft, and the other upoñe thenore distant mont movable
head,
habstantially as herein described to prevent the torsion of the

41,510.-Adjustable Hammer for Many-barrelled Fire
arms.-R. J. Howland and W. H. Elliot, Ilion, N.Y.
I claim, irst, The employment of a movable piece, b, forgivingmo-
tlonto one or more revolving firing points, when said movable piece
and points ara attached to andswing back and forth with the ham-
mer, and operating in the manner hercin described.
and points are attached to andswing back and forth with the ham-
mer, and operatin in the manner hercin described.
\&econd, The emplomment of two revolving firing points, for firng
a geries of barrels armanged around a common center, as herein de-
corlbed.
,511.-Window
town, Mass.
I claim the combination of the two vertical strips placed on oppo
ites sides of the window, with the capand sill; the four pieces beng
arranged with reference to each other, in the manner and for the rase herein described.
41,512.-Machinc for finishing the Heels of Boots and Shoes.-Joseph L. Joyce, New Haven, Conn.
adiustamble guide, i, somstantially of the and for the purpose specifled.
Second, The combination of the

 Fifth, The combination of the polisher, $P$, with revolving guide, Sixth, The combination or thepolisher, Pr, former, $d$, and adjustable guide, f, for the purpose and in the manner described.
Seventh, The combination or the yoke, $\mathbf{H}$, , polisher, $P$, and adjusta
ble revoving guide, , In the manner and for the purose set forth.
Eighth, The comblnation of the yoke, $H$, polisher, $P$, former, $d$ and ble revolving guide, i, in the manner and for the purpose set forth.
Eighth The combination of the yoke, H , olisher, former, d, and
adjutable guide, f, in the mannet and for the purpose substantiall
as herein specified.
41,513.-Bcehive.-Leonard Kennedy, Hartford, Conn r claim the arrangement of the arjugting screws, g , upon the side the space between the frames at pleasure.
I soc claim the arrangement of the entrance strips, $F$, with the
hive front, in the manner hercin shown and described. hive front, in the manner herein shown and describe TThisinvention relates to a peculiar arrangement of the comb rames of the hive, whereby the least possible surface of said frames re brought in contact with the hive or box in which they may be placed, and the frames rendered capable of being removed from the ive when necessary without annosing or exasperating the bees; the rames being also easily adjusted at a greater or less distance apart occasion may require, and with the greatest facility, and the frames at the same time, when adjusted in the desired position, held therei 41,514.-Cider Mill.-Tobias J. Kindleberger, Spring I claim, first, The manner of arranging the bearings, $R$, of the roll usted through the medium or screws, V, and retained in position by
set crew, a all arranged substantially as set forth.
 and the Anti tr:ction balls, k , a
and for the purpoxe specifed.
[This invention consists in the employment of three rollers and an justable pressureplate, constructed and arranged in such a manne to operate very efficiently in crushing the apples and reducing the pression of the juice from them. The invention also consists in a $e x$. and improved means for expressing the inice fron the ground ap and im

41,515.-Process for finishing Woolen Fabrics.-Pete and George King, Greentield, Mass.:
We claim the within-described combined process for finishing goods
hich consists in successively fulling and scouring the piece, the olling and stretching the same, then subjecting it to a single figging operation to raise the nap, then steaming, then scouring, tenterin
[This invention relates to the process of fnishing what are termed faced-goods," made of wool or a mixture of wool and cotton, and it manufacture in that way and obtain an increase in the length of the nished piece with a superiorluster, a better and fullor nap, and "fter and more silky fabric, and prevents what is technically termed grayness."]
1,516.-Machine for drilling Iron.-Isaac S. Lauback, First, I claim thie combination of the drill spindle, $\mathbf{E}$, screw, $\mathbf{C}$
ocket, d , adjustable head, $A$, and set screws, f , or their equivalent socket, d, adjustable head, A, and set screws, ff, or their equivalent
the whole constructed sybstantially as described.
Second, claim the combination of the adjustable arm, D, wit Second, I claim the combination of the adjustable arm, D, with
the adjustable head, A. and set screws, if, substantially as described
1,517.-Auger for boring Wood.-G. W. Low, Chillico

## Ine, Ohio

I claim the combination of the cutters, D, rectangular projectin
arms, c , and grooves, , in the head, A, when the said parts are con structed and arranged as herein specified, so that the action of oring
will press the arms, cinto their grooves and thus reta n the cutter
eecurely in position without the aid of screws or keys. of screws or keys.
Thisinvention consists in providing the bit or auger with knives be readily attached when necessary for the purpose of sharpenin the same and puiting them in cutting order.
41,518.-Lock.-F. McCollum, Rockville, Conn.
I claim, froct, The arrangement and combillate, Conn.:
N, Frowishi, with the pins, p, plates, m m, periorated and provid
 perforar ose specifised.
the pecoul T,
 as ehowrl in connection witit the wheel, $\mathbf{0}$, for communicating motion
to the tumblers, Nand plates, m m.
Third, The bar, C , provided withthe pendent projections, $\mathbf{v} \mathbf{v} \mathbf{v}$, an attached to the arm, $\mathbf{E}$, on shaft, $F$, in connection with the sprin,,$~ G$,
and plate, $K$, on the arbor,, $\mathbf{I}$, proviled with the beveled edge, $e^{\prime}$, sub stantially as and for the purpose specifled.
Fourth, The bar, H, Hrovided with the proection, e, and fitted on
the pin or stud, ${ }^{\prime}$, and connected with the boit, B, as shown, in com

This invention relates to a new imp
[This invention relates to a new and improved burglar-proof lock dmit of the admit of the moving of the bolt through the medium of letters, fig guides or indices. The object of the invention is to obtain a burglar proof lock which will admit of the tumblers being adjusted in differ ent positions to effect "changes," as it is commonly termed, so a same movement and adjustment of the bolt arbor, and at the same time obtain a simple and efficient means for effecting this result.] 11,519.- Grain-cleaner.-Emanucl Mantz, Frederick, Md.
 ing submitte t the the action of the rubbers above parts, the ribbing pparatus, H He II i, constructed and operated as described and eas


as' and spring, g, foll arranged as described, to operate the screen, $G$
[Thisincer a us and in a peculiar manner of applying a fan olast, whereby th rain may be thoroughly cleaned of adhering dust and all the useles efuse carried off in a body
41,520. - Wagon Spring.-Charles S. Martin, Mackford,
Wis.: I claim, frrst, The combination of the spring, A, bolts, B B, clasp or
hanger, C, cup, D, and washer, E, in the manner and for the purpose
hereln described. Second, In combination with the foregoing I claim the coupling, $H$
and $G$, in the manner and for the purpose herein described. 41,521.-Fire-proof Safes, \&c.-Walter K. Marvin, New York City :
First, I clalm as a new composition of matter for the fre-proof $\mathrm{H}_{\mathrm{l}}$ First, I claim as a new composition of matter for the fire-proof lin-
ing or flling of safes and other like fire-proof structures, arom, gyp-
sum and clay, comblned the marmer hereinbefore set forth. sum and clay, combined in the marner hereinbefore set for th.
Second I I claim the coating of lumps of alum with calcied and
powderd gra kum, as described, in combination with inccrporating ner coated lump, in dry or calcined clay, substantially in the ma Third, As a new article of manufacture I claim safes or other fre
proot structures, the filling of which is composed of alum, Eypsum
and clay, under the arrangement or comblnation berelnbefore set
torth. 41,522.-Raking Attachment for Harvesters.-Albert E McGaughey, Red Wing, Minn.
I claim the means employed for moving the rake in the are of a
circletorward and back over the platform and rotating the rake dur-


[This invention consists in applying or arranging an automatic rak for harvesters in such a manner that the former will, at the com t the side of the platform which is next to or adjoins the standin graln and sweep over the platformin the path of a circle and dis charge the grain in a gavel at the rear of the platform, and then in moving back to its original or standing position, revolving so as to clear the cut grain as it falls upon the platform, and adjust itself in proper working position as it reaches the point where tis working ement commences.
41,523.-Cultivator.-Patrick McGlew, Des Moines, Iowa

 rame A, by the bars N, and fitted between the guides s, and secured
bet ween them by the plates a, and barsu
bar o, t, in connection with the levers, by the rod, R , all arranged to operate as set forth.
This Invention relates to a new and improved cultivator of tha The invention ornsists in a novel and impored levating the front part of the machine, and the manner of arrang g the plows and scraperswhebs the several parts are put entrols ander the control of the operator, and a vers efficlent device for the purpose obtained].
41,524.-Thill Fastening.-Samuel S. Meiley, Lebanon $\underset{\text { clatm. }}{\mathrm{Pa}}$ I clalo, frist, The app lication of a looped fastening. D , to the remove
Secoupting bolt $\mathrm{C}, \mathrm{substantially}$ as described.
 or the feee end of the loop, substantially as described.
Third The comblnation of clip eyes a, a, bolt Cthill eve b, and
oop fastening D , constructed and operating substantially as de-41,525.-Churn.-S. H. Merredith, Oxford, Ohio I claim the shart, $K$ the circular dasher, $M$, and the bed piece, $N$
the whole constructed and arra nged in the manner and for the pur
pose substantially as herein set forth
41,526.-Invalid Bedstead.-Daniel Merrill, Worcester I claim frst, The combination for regulating the upper or head
 Second, I claime bed comeab and jointed frame in manner epecified.
ion and depression of the two lower which the simultaneous eleva
ion of the jonted frame in
 Third, I also claim the combination ior distending tacking or its
equivalent, the same consisting in the strut 12 , which act as levers,
the fulcum bar g, and the rod provided with nuts and screws $v$, the the fulc
whole b
forth.
41,527.-Sewing Machine.-Warren Millar, Chicago, claim, frst, Turning the heel of the bobbin away from the rotating-
por Second, In combination with an eye-pointed needle, and the rotat-
in-hol
equivalent, when madmachine the the sheck or crap a, and the bobbin m, or itrol the loop of thread, in the manner substans for attaching Hooks to Furniture.

Agatha Montieart, Mildmay Park, and Wm. Tent,
London, England. Patented in England, July 16, 1863.:

We claim the combination of a hook a, or eye $d$, with the spring
fastening b, $c, c^{\prime}$, as and for the purpose herein set forth. 41,529.-Shaft Coupling for Carriages.-Francis B. Maim a coupling for carriage shafts, in which the movable part I claim a couphing for carriage shatts, in which the movable part
of the joint has the eves forged thereon, and a cavity in itt rear
end to receive an elastic presser, to prevent rattling as herein deend
seribed. l , $\begin{aligned} & \text { I claim the combination of the head, or movable part of } \\ & \text { the ,oint, as described, with he stationary jack and elastic presser, }\end{aligned}$ the , oint, as described, with the sta
substantially as hereling described.
41,530.-Means for the Protection of the Anchor Cables of Iron-clad Vessels.-Isaac Newton, New York, I l. Y.:
I claist, Constructing or arranging the hawse-hole of an iron-
clad vessel, within the armor shelf or behind the armor and within
ce woden backing the reof, in such a manner that it emerges below
 over the deckbetweenthe upper end of the hawse-hole, the place
Where it passes through the derk to and from a holsting apparatus
below the deck, substantially as herein specified. 41,531.-Lubricator.-Edward Painter. East Hampton, claim an






41,533.-Spring-bed Bottom.-Lyman E. Payne, Disco, Mich::
I claim the
I claim the employment or use of straps, $\mathbf{E}$, in combination with
the springs, C, slats, $\mathbf{D}$, and bedstead, A, all all constructed and operat.
ingin the manner and for the purpose substantially as shown and the springs,
ing.ln the
described.
[This invention consists in combining a series of elastic slats and rubber springs with separate cross pieces detached from the bead and footrests of the bedstead insuch a manner that said head and
post rails are prevented being sprung out of shape by persons laying post ralls ar
on the hed.]
41, 534.-Fountain Pen.-Joseph Reid, Fort Wayne, Ind.: I claim the arrangement of the ring valve, e, with the capillary
tube, b, the pen, B, and fountain, A, in the manner herein shown
and de scribed. This invention
which are provided with an ink reservoir within a case and arranged in such a manner as to be self-feeding or self-supplying. The invention consists in the application to the ink fountain of a capillary tube provided with a valve and ink-conductor, and placed in such relation with the pin as to form a simple, efficient and economical article of 41,535.-Artificial Leg.-H. D. Reinhardt, Baltimore Md.
first, The peculiar shape of the hinge Fig. 6, with a thread
nin projecting from the upper part of the
ingen and a nut
 Second, I claim the arrangement of india-rubber, C, under the pro-
jection letter,, , Fig. n , ${ }^{\text {n a recess cut out for the purpose in the pine }}$
of the metatarsal joints, and to act as a spring to keep the toes in their proper place and give to them their natiral motion
Third, 1 claime the arrangement of the blocks of india-rubber, A
and B, as seen in Fig. side sectional elevation, and used as spring and B, as seen in Fig. 1, side sectional elevation, and used as spring
to give the ankle joint a natural motion in combination with the pe
cullar shape hiuge Fig. 6 , and fitted in a recess above and near th
 each side
the foot, c
set forth.
41,536.-Puzzle for Children.-W. B. Rice, Feltonville, I claim the emplopment or use of a series of blocks, A, marked on
one side with a series of letters or figures, and on the oppoiste side
with parts of a picture; said letters to form the key for the picture with parts of a picture; said letters to form the key for the picture
substantially as and for the purpose shown and described. A so as a new article of manufacture, $t$ t.
and cottage, combined as herein specifed.
[This invention consists in the employment or use of a series of doors and windows of a cottage, and on a certain picture such as the cutive series of letters or figures, such as the consecutiveletters of the form the key for the picture on the opposite side, and by following said key the blocks can be readily arranged or put up in the prope ${ }_{F}$硣
41,537.-Oil Can.-Eliphalet S. Scripture, Brooklyn, N. Y.:
I claim the use or employment of the screw seat cup, $\mathbf{B}_{\text {in }}$ in com.
bhation with the body, A, and spout, C, constructed as shown for
the purposes fully set for h. 41,538.-Disintegrating and separating Ve getable Fibers. I claim, frist, The maceration of green regetable substances under
pressure rom heat, combined with the incidental volatil zation, to
 Second, The loosening or cossintegration by mechanical pressure,
of the tbers and of the non-ifrous matter, so that by washing a
complete separation may be etrecced and both the frous and tie
non- ibrous portions may be prcserved in their greatest integrity. non- zibrous portions may be proserved in their greatest integrity
Third, The arundine orlignine when separated trom the celliuln,
without other chemical agencies than heat and moisture, as a new 41,539.-Gig Saw.-Henry F. Shaw, West Roxbury Mass.
I claim, frst, Revolving the sash or gate, by which the saw is
stranined and carried up and dow, on a fixed axis around the saw,
so that the stock, however long, may be turned, substantially as deso that the stock, however long, may be turned, substantially as de-
scribed.
Second, Incombination with said revolving, gate, or sash, the em-
ployment of a spring, N, substantially as set forth and for the pur. ployment of a spring, N, substantially as set forth and for the pur-
pose described. 41,540.-Knitting Machine.-Edward Shore, Conshohoc$\underset{\text { claim the bioc }}{\text { ken }}$
enta, when arranged win rextexect projecting nededge, b , or their equive
rotary knitting machine, Eubstantisily as and for the purpose herein 41,541.-Fence Post.-Charles R. Smith, Haverhill,
N. H.: I claim first
I claim, frst, The foundation, E, formed of slabs, er of tiles, fac
titious stone, or ary baked earthy cement, placed tocether in V-form,
substantially as shown and desctbed. substantially as shown and described.
Second, The combination of the foundation, $\mathbf{E}$, with the posts, A, A,
braces, $\mathbf{D}$, , bars, C, and the wires, d, or their equivalents as and for
the purpose hereln ppecifled. the purpose herela specified.
41,542.-Drain.-George W. Smith, Springfleld. N. J.: 1 claim as a new article of manufacture the comblnation of the
oottom dranin plates or slabs, A, with the grooves, $C$ and the two
ncilined plates or slabs, $\mathbf{D}$, constructed and put together substan. oottom drain plat
nclined patates or
tially as described.
41,543.-Pump Valve--Nathan Stedman, Aurora, Ind.
Iclaimthe arrangement of the hollow piston, E , 1 laving the side
 41,544.-Method of hanging Saws.-R. L. Stewart
Owasso, Mich.: I claim the pirinan, I, and pitman, $G$, when constructed to parate
ogether in relatiout to the saw in combination with the cam, ection, e, convex plates, g and h, and cross bar, i, substantially as
described and for the purposes set forth. 41,545.-Surface Condenser.-Alban C. Stimers, New $\underset{\text { York City }}{\text { Yaking }}$
T claim making the tube plate of asurface condenser so thick that
a water-tight gip joint can be made around the tubes by alimple
paraliel expansion of them in the plate, and without the ald of stuf finaflee expansion of them in the plate, and without the ald of stur 41,546.-Drill.-Wm. Stivers, New York City I claim as a new article of manufacturethe hand drilling machine
constructed substantially as herelbbefore described.
[The object of this invention is an improvement on that class of osted cartiage, furnished with arms to form the bearingsf or the bore spindle, and with an adjustable tabie, and which are particuiarly in tended to drill holes of various depths, by hand, in wood or metal].
41,547. -Reflector for Gas Lights, Lamps, \&c.-Jame
Stratton, Brooklyn, N. Y.:
lights, lamps, ec., having a body of cast or wrought metal with an
enameled noner or refecting surface, substantialy 28 herein set
forth. forth.
(The o
lamps, lamps abect of this invention is to obtain a reflector for gas lights lamps, $\& c$., Which wil have 2 durable reffecting surface, one not ca-
pable of becoming tarnished and which may be kept in a clean state without any difficulty whatever.]
41,548.-Machine for treating Curved Spines.--Charles F. Taylor, New York City. Ante-dated Feb. 3, 1864 I clam the two bars, C , connected together by the bars, $G \mathbf{H}$,
as to form ajoint the bar, , being fitted in a plate,
 hsed in connection with the cord, M, and the arm, D, and counte
poise, E, all arranged substantialis as and for the purpose set forth. [The object of this invention is to obtain a machine of simple coning certain muscles of the back in order to correct lateral curvatur of the spinal column. To this end the invention consists in the em ployment or use of two oscillating or vibrating bars, one of which is adjustable and the other provided with an adjustable plate, having y a a joint ed frame and the lower bar connected by a hinge or join
o the base of the machine, an arm and counterpoise; all being ar ranged in
41,549.-Barometer.-John Thomson, Wayne, Ill:
Iclaim the application of a small globule, of mercury, to form a
movable stopper or partition within a tube of amall bore, and therein acting as a barometer either by itself, or in combination with the
well-known mercurial barometer, and thereb forming a weather
glass. 41,550.-Cultivator.-P. W. Thomson, Truro, Ill.
 stantially as and in the manner set forth.
41,551.-Connecting Tin Tubing.-A. R. Treadway \& S.
R. Warner, New Haven, Conn.: We claim the application of tin, tubing to the purpose of heating by ing to the parts of the couplings, substantially as herein specified.
41,552.-Shingle Sawing Machine.-William"H. Walker, Fond du Lac, Wis.
 hingle at each reversem owement in in the manner herein Fx , to cutired. Second, The Wheels $C, C^{\prime}$, provided with friction roller sh, 1 , in com-
ination with the plate 1 , and operating in the concaves $G$, $G$, when arranged substantialty as and for the purpose set forth. 1 , and ar
Third, The movabe bar T , provided with recesse8 1 , 1 , and
ranged subtantialy as shown, relation with the shaftsc,
purpose of raising the
 and provided with the plates $N$, having pawls $O^{\prime}$ ', attached in con
nection with the bars $Q$, provided ratchets Q, all arranged to operate, as shown, for the purpose of
Inclining the bolts, so that the shingles may be sawed in taper
form and drop
 mounted Ma a reciprocating carriage as set forth
Sixth, The doubl wedge A', placed on the upper part of the
raming A, and arranged to operate by the movement of the saw framing A, and arranged to operate by the movement

## hat class in

 from the bolt. The nvention conployed for cutting the shingle for feeding the bolt to the saw, and also in a novel means for ad ${ }^{-}$ so that the shingles will be cut in taper form and the feeding de vice be capabie of being operated either automatically or oy hand as may be desired.]41,553.-Washing Soap.-Henry Warren, Goshen, Ind. I claim the new article of manufacture, a a oap made of the in
gredients above described, in the manner and in the proportions
substantially as set forth.
41,554.-Wrench.-William Webster, Morrisania, N. Y.: I claim the employment of an ordinary wrench with an aperture
in the moonable jaw thereof in comblnation with a distinct and beparate bit for cutting or clasping, which may be adjusted to said jaw
and charged at pleasure by means or sald aperture, substantially
as described. B, Thend, The manufacture and use of the clasp C, and the cutte Third, The use of the cutter B, or clasp C, when made separat
from the wrench and comblned therewith substantially as set forth
Fourth, I claim in combination with a wrench constructed sul stantially as described, a clasp, knife, or cutter upon the face of
movable jaw thereof, whether said clasp, knife or cutter be in on
iece with, or made separate from, said jaw, for porian
41,555.-Cultivator.-Samuel G. Welch, Athens, Ill In claim the bar F, having the draft pole G, attached, supported by
the castor wheels, I, and connected to the frame A,'by leversD, $\mathbf{D}$ the back ends or whi anare congectod to the bar ef having a lever
H, secured to it and all arranged so as to admit of the raling and
lowerng of the plows and the latteral adjustment of traught porth.
41,556.-_Harvesting Machine. (A.)-Cyrenus Wheeler
Jr., Poplar Ridge, N. Y.: ( form and operatingin the manner substan tially as deccribed.
I allo claim main ing the main frame whenconstructed in one piece
with three bearings for the main axle, substantially as and for the Irpose described.
 are constructed in one piece, substantially as described.
I also cla im the sear binent
Itb on the sleeve of the gear in combination withe the rip on the maim rame, for preventing latera Ine piece by a recess formed in the gear block on ick constructed in
 aitlonal support to the main frame, substantially as described.
I also clatm the two ears on the lower side of the rear corpers o
the main frame in combination with the lons boit, for the purpose
 I also claim the combination of the lifting devices mounted on the
standard of the Eear bock, and the standard on the main frame
united by flexibe connection, subtantially as described nited by aflexibe connection, substantially as described
I also cialm the combination of the weighted dog with the lifting
device so as to hold the litiog device in a ixed position when the
 I also chajm main maname, substantially as des driving wheers, the main gear wheel
and the bevel wheel on the maln axle, substantially as d escribed and also blaim mounting the maingear wheel, bevel wheel and pinion
Iocking with mon the mainaxie, substantialy as described. In algo clain communicaning motion crom the main meat.
the bevel wheel on the main axle, by a shaft mounted In bearlng on
the and a apur wheel carrying a pinion gearing with the main giar witheel,
and the pin on on the main axle, substan-
tiall as decribed. I ally as degcrived. comb nation of gearing, whereby the berel wheel
and its p nion mounted on the same axjo with the main gear wheel

 main axie, and so arranging and combining them with the main
frame and gear boock, asthat the pininn may be moved longitudi-
nally on the main axle for the purpose of clutching the pinion with, I anclutching it from the be vel wheel, substantially as described axle, in combi nation with the main frame vibrating indepen ent of
the gear bock and carring a counter shaf having appinion gearing
with said bevel wheel substantially as deccribed with said bevel wheel, substantially as dercribed.
I also claim the arrangenent of the lever. slide and spring, by
Which the clutching and uncluthing of the pinion with the bevet
wheel is performed, substantially as de cribed. I also caim in in combination with a ma in frame vibrating independ-
ent of the gear block, mountlig the foot-board and seat on the gear
block, and fastening the tongue to the under side thereof, substan. Itally as described.
Ialiso caim the iongitudinal iever fastened to the gear block in
 tially as deseribed.
I also dalm the combination and arrangement of the longltudinal
and transverse lever with the gear block, maln frame, and cutting and transverse lever with the gear block, main irame, and cuttiog
apparatu, so that the cutting aparatus can be folded up and fant
ened, without detaching any part of the mach ne, substantialy as I also claim the combination and arrangement of the lifting de
vices with the gear block and main frame, and the longitudinal and transverse levers with the cutting apparatu\&, so that thle cutting ap-
paratus may be ravised from the groun at pleakure by the operator
trom bis seat, substantiall as described. 41,557.-Harvesting Machine. (B.)-Cyrenus Wheeler, Jr., Poplar Ridge, N. Y.:
I claim the combination of the triangular frame with the main
rame substantially as set forth, with a seat and lifting device crame substancon, so that by the arrangement of the transverse evever
mounted thereor
Fith the triangular frame and cuttingapparatus, the driver can when with the triangular frame and cuttingapparatus, the driver can when subata atialy as described.
I also claim the combination and arrangement of the triangula
came, witht he mauf frame, transverse lever, a nd cutting apparatian
 may be folded up and fastened without removing any part of the
machine, substant ially as deacribed.
I alsion the comb nation and arrangement of the two seats,
and the tivo lifting devices, with the other parts of the mec anism and the two lifting devices, with the other parts of the mec anism
with which they act, so that the operator can whon occuping eithe
seat on the machine raise the cutting apparatus at pleasure, sub se at on the machine raise the cutting apparatus at pleasure, sub
stantially as described. I also claim the triangular frame carrying the seat and lifting de-
vices so arranged and connected to the main frame that it with the seat and lifting devices mounted thereon can be detached from the
main rame at pleasure without interfering with the organism of the
machine, or its effectiveness as a mower, substantially as described. 41,558.-Harvesting Machine. (C.)-Cyrenus Wheeler,
Jr., Poplar Ridge, N. Y.: I claim the construction, N.
I claim the construction of the outside shoe withia flange for con
necting it to the outer end of the supporting bar, lin combination
with an ear or fange for connecting the other end of the inner shoe, subs tantlanly as described.
I also claim driving of the bar firml I a aso clarm driving a reel that has its supp
 paratus and plat form fy passing over positions of the cutting ap
hanground, shal not
not driving or diriren pulley, substantially asdescrib
Ialso caim the arranement of the cutting
orm in combination witht the reel band arranged over oratus and plat
the foot of the inner reel support so that
 per operations of the reel supported on the cutting apparatus, sub Intially as described.
Iechen ha ving ing the arrangement of the reel hands, the pulleys, and the
rint on the hinged cutting apparatus in relation rech, ha ving itsaupport on the hinged cutting apparatus in relation
to the drivg g galley and the main frame, so that the cutting appar
atus can be raised for the cutters eleverated for cutting any depresed at at pead hight, and the poinh thout Farylng the
tightnesof the band or interferlng with the motions of the reel,
substantialy as described. I aiso ciaim sustaining the ins1de reel support by both the table ba I also clailm supporting the reel shaft by three bearings, said reel
ahaft and bearings bing all anged on the hinged portion of the machine, substantial ly as described. the outer reel post itself for tupporting the theel outer reel post, flif-athurting
in relation to the other reel shaft suppor s, substantially as descrl bod
and represented. 41,559.-Harvesting Machine. (D.)-Cyrenus Wheeler,
Jr., Poplar Ridge, N. Y.: I claim in combination with the track-board, the standard on the
ongee, as a fastening forthe cutting apparatus when folded up, sub-
tantially as degcribed Itantialy ala clim in combination with a shoe which hasa support for the
rass or nected wran it and held frmis in piace by the finger bar, substantially
as described. as described.
I also claim in combination with a guard finger having a support
for the grass or grain both above and below the cutter, the led ger


 ment of the several parts composing the swif ve con nections of the
aitman and crank, for operating said cutting apparatus, substantially
and 41,560.-Folding Saw-horse.-Enoch Whittemore, North Paris, Maine :
ciaim the portabie foiding saw-horse as made of the two Jaw


 41,561.-Box or Case for Oil-stones.-G. O. Wichers Lawrence, Mass.:
Iartaim a box or case for oil-stones composed of two cast-meta ab, and a set screw, c, or its equivalent for holding trejectonel
position and admitting of an oill passage all around it, and the other,
p, made to serve as a cover, substantially as set forth. B, made to serve as a cover, substantially as set forth.
I further claim the knfe edged projections, ed , when used in com-
ination with and formed on or cast with the parts, $\mathbf{A}$ B, for the purpose specifed.
$1,5622 . .-$ Cultivator. - Josepin Wilhelm, Muscatine, Iowa I claim having the arma, a a, Jointed at the center, and combined
with the clevis, c , in the rimuner nol fur the purpose herein slown
and described. I also claim the arrangement of the spring latch, g, with the beam,
, and arms, $D$, in the manner and for the purpose herein shown and described.
[Thts invention relates to an improvement in that class of cultiva rin wich are constructed.with two wings hinged together and ar or contracted at pleasure, according to the width of the furrow hrough which the
41,563.-Bearing for Car Axles and Shafting.-Christopher Williams, Adrian, Mich.:


one of which is provided with a projection in the form of a portion of a sphere, and the other part provided with a corresponding cavity co recive sald projection, whereby the bearing is made or allowed to adjust itself to the slaft, in case the latter assumes an inclined or an car trucks which in consequence of being frequently strained rail tir ares in in consequence of being frequentiy strained, leave噱 ing frequently wear unevenly in which case the journals are sure to eoat with tiee ordinary bearing3, a dificulty whichlis tully fobviated by my invention.]

## 41,561.-Mode of discharging Vessels.-Garret E. Win-

 I claim the rassed platorn, f, extenting over the space occupled by The car or cart, in com bination with the hinged pe panke k, enterend mgot the vessel containing ine earth, manure, or similar material, for
the purpose and as specifed. the purpose and as specitied.
41,565.-Separating and collecting; Gold and Silver
Amalgams.-S. W. Wood, Cornwall, N. Y.:
Ir ciaim separating the amalyam from the pulverized rock by cen



 pose herein set forth.
41,566.-Harvester-Alden B. Briggs (assignor to him-
self and Dexter Childs), South Deerfield, Mass.:

 Trame so that when thend hee braft pole being attached to the inside
pole, and hold the two rrames together ane set ot firth. cross the drat 41,567.-Water Whee..- Roswell R. Brooks (assign
himself and G. H. Horton), Weedsport, N. Y elaim the combination of the gate, E, with the extremity
 Will at otber times simultanooum a rontinuation of the plate, C, and
through both of the compartments, cectall all as set forth.
[This invention relates to a new and improved water-wheel of that class in which the wheel is placed on a vertical shaft, enclosed within a scroll ana the water d.
stead of at the center.]
41,568.-Neck Scarf and Collar Supporter.-James A
Bushee (assignor to himself and George R. Eager)
 purpose as explained
.569.-Cultivator.-Arlon M. Cook (assignor to him-
self, Artemas B. Vant \& Horace Cook), Chicago,


 41,570 . - Spring Rocking-horse.- Jesse A. Crandall (assignor to Mary Crandall), New York City




 readily increased or decreased, as set forth.
41,571.-Box Plane or Scraper.-A. F. Cushman, Hart-
ford, Conn., assignor to Horace B. Langdon, New
Yord Conn., assignor to Horace B. Langdon, New I claim a box piane or scraper constructed with a cast-iron stockt,
A edouiustale knife, D , and screw clamp, E , all as herein shown and
descrbed. described.
[This invention consists in a box plane or scraper with a cast-iron
curved stock and slotted grooved head, to whieh the knife is secured curved stock and slotted grooved head, to whieh the knife is secured by a screw clamp in such a manner that the same can be adjusted to harpened or replaced by another. Said knife is made with four cutting edges, each of which can be brought in a working position ting edges, each of which can be brought in a working position. don, 13 Park Place, New York City, or R. J. Ives, Bristol, Conn.]
41,572.-Sewing Machine.-Albert Eames \& Clark Marsh,
Bridgeport, Conn., assignors to the Wheeler \& WilBridgeport, Conn., assignors
son Manufacturing Company
We claim the com bination of an eye-pointed needle and a bobbin
With a rotating hook so shaped substantially as described, a to have Fith arotating hook so shaped substantaily as described, a to have
the mode of operation substantiall as herein set forth, whereby a
pad isd ispensed with in making a lock or shuttle stitch. 41,573.-Lock.-Henry H. Elwell, South Norwa assignor to the Norwalk Lock Company described, ine peculiarly-shaped lever, E, pivoted to the lock case as
bolt, $\mathbf{C}$. [This invention relates to an improvement in the means employed tained than by the old plan or arrangement and a more uniform spring allowed to be used and a very desirable lock obtained.]
41,574.-Hand-car Crank.-Philipp Groel, Meadville clam, first, The reversible ratchet, $B$ B, made in the Ohio : Iorthe purpose substantially as speciffed.
Second, made piston, $\mathbf{C}$, made in the manner and for the purpose
subetantially as spect Third, A reversible hand-car crank composed of the following de-
Hces, the notched dianat, AA the reversible ratchet, B B, the pis
ton, $C$ C, in cornbination with a spring either elastic or me tallic, a ton, Cc, in corabination with a sp ring either elastic or me tallic, a
lever arm or common crank conneted with a shaft to which power is
to be communicated, substantially as specified.
41,575.-Fruit Jar.-Elbridge Harris, Boston, Mass., as
signor by mesne-assignments to Wm. W. Lyman
siynor by mesne-assi


 asond or the purpose described.
576.-Composition for Gunpowder, \&c.-Edward Har-
rison (assignor to R. W. W. Simpson), New York Ciltit:
clasm
mposed of ordinary gunpowder and amorphous phosphorus.
(By this invention the strength of gunpowder is very much in creased.]
41,577.-Inflammable Composition for filling Projectiles.

- Edward Harrison (assignor to R. W. W. Simpson), New York City:
I claim the within-deseribed infammable or incendiary componnd
composed of gunpowder, amorphous phosphorus, and b1-sulphide carbon
[This compound is intended for incendiary shells. It can be made的 ponent parts.]
41,578.-Explosive Composition.-Edward Harrison (as signor to R. W. W. Simpson), New York City


## rarcoal, prussiate of potash, and etarch of flour, with or withou chan canuret of $z$ inc, substantiall as

[This compound is said to be much stronger than ordinary gun owder, and owing to the absence of sulphur, the danger resultin rom the use of chlorate of potash in gunpowder is obviated.]
41,579.-Cooking Stove.-Zebulon Hunt, Hudson, N. Y. assignor to himself and Wm. J. Miller, Greenpoint N. Y.: I claim in the back flues of elevated ovens, the trough-shaped flue
piece A, combined with the projection
with the to complete the fue, amper, B, situated at the bottom of the flue, as abo a de
41,580.-Safety Valve Arrangement.-Wm. S. Huntington, Andrusville, N. Y., assignor to James Robertson
I claim, frst, The combination of the levers, CI', rods, E L M,
spring pawl, ${ }^{\text {and cam, } N \text {, operating in the described connection }}$
with the circular guide, $\mathbf{H}$. with che circular guide,
Second, I claim the combination with the spring-balance, $D$, of the
lever, $I^{\prime}$, spring pawl, $K$, and notches, $h$, for the purpose explained. 41,581.-Machinery for finishing Cloth.-Henry James,
Norwalk. Conn., assigoor to himself, N. S. Seely, Stamford, Conn., and Wm. H. Seely, Brooklyn N. Y.:
 specified.
of brush cylindors, calendering and embossing rollers, and guid rollers, constituting a very effective and simple machine for finishing embossing, and reAnishing cloth and other fabrics.]
41,582.-Yarn Guide for Spinning Machines.-Edmund
Lord (assignor to himself and Sidney Buckleg) Lord (assignor to himself and Sidney Buckley) I Taunton, Mass.
I claim the improved yarn-guide as made with or ha ving combined
with itse eye, a notched projection, a, a arra ned relatively the reto
substantially in manner and for the purpose hereinbefore specifed. And I also claim the guide as madewlth the notched projection, a,
and with its eyeformed with the auxiliary ben, f, $\begin{aligned} & \text { and } 10 \\ & \text { spects substantially as represented in the accompang drawings. }\end{aligned}$ 41,583.-Machine for splitting and stripping Leather.Caleb S. Stearns (assignor to himself and Thomas Corey), Marlborough, Mass.:
I claim the combination and arrangement of the drum, $B$, and its
 its grasping mechanism, the spring presser, D, the knife, C, the aux-
itiary knife or guide shear, G, the two rollers, E,
knives, $H$, I also claim the arrangement of the knives $H$ H, with respect to
the rollerg, F , so as not
groonly to exte nd bet grooves be each, in manner substantially
krives, besides beingsupported by the roller
brought close up to the bite of the rollers.
41,584--Lasting Tack.-Luther F. Thaver, Randolph,
Mass., assignor to Wm. Faxon, North Bridgewater, Mass.:
claim the improved lasting tack, as made with its head round or I claim the improved lasting tack, as made with its head round or
curved and hann far fat siles arranged with respect to the same in
manner substantialy as described. 41,585.-Rock-breaking Machine.-James "B. Wayne (asssignor to himself and Henry M. Robinson), De-
troit, Mich.: I claim, frrst, The use of a separate lowering-down cam, b , Fig. 1 ,
sn bstantially




 41,586.-Steam Engine.-Robert D. Wright (assignor to claim, frst, The combination and, arrangement of the - ${ }^{\text {and linder }}$
 the purposes set forth.
Second, I claim operating pumps constructed as herein described,
by means of reciprocating steam cylinders, having direct attach by means of reciprocating steam cylinders, having direct attach
mentit the water cylinders, and belng thereb a arranged to operat
as and for the purposes set forth. 41,587.-Game Cards.-Cyrus W. Saladee, Paducah, Ky. I claim, frst, The combination of a number or letter with an em
uem of the desispation of the various denominations of playing
card s, substantiall a A herein specified. card s, substantially as herein specified.
Second, Placing the device for designating the card in a corner o
margin of the card, for the purposes herin specified.

## RE-ISSUE.

1,616.-Sewing Machine.-C. S. Patterson, E. Pincus, A.
Hart, M. Moore, A. Mitchell \& H. H. Reed of E. A. Goode \& E. L. Meller), Philadelphia, Pa. Patented July 26, 1859 :
We claim, first, The loop catcher or needle, b, so constructed,
arranged an a sewng machine, and having such a motion imparted
to it hat it will hold a loop of thread, and convey the same from the

forth
Third, The combination of the eye-polnted needle, $n$, the needle or
loop-catcher, $b$, the hook, $h$, and tongue,, .
Note.-In the above list of claims we recognize the names of
Fortr-one patentees whose ispeaifcations and drawings were pre-
pared atthe Scientific. American Patent Agency.


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