

I88OED FROM TRE UNITED STATES PATENT-OFFICE TOB THE WERT ENDNG OCTOBER $20,1863$.
*** Pamphlets containing the Patent Laws and fall particalars of the mode of applying for Letters Patent, speci fying size of model required, and much other information ngeful to inventors, may be had gratis by addressing MUNN \& CO., Pablishers of the Scientific Amrbican New Yort.
40,317.-Scraper.-Horatio Andrews, Fredonia, N. Y.:


 spectilied.
IThe ohject of this tnventionis to produce a soraper which ts sim-
ple, light, easily handied, which can te used on rough or stony ground Ple, light, easily handied, which can le used on rough or stony ground
as well as on level, smooth land, and which can be readily boaded and unloaded.
40,318.- Semi.liquid Wax for Sewing Thread.-Isaac
Banister, Newark, N. J.: Banister, Newark, N. J.:
the manner and for the purpose heretn above spect tied. 40,319.-Breast Pump.-J. H. Beadle, New York City: in combination with the Hanged disk, D, and cup. A. cunsirpueted an
iperating in the manner and for the purpose substantally as here


 specitied.
40,320 Milwade for Extension Tables.-J. F. Birchard, I Milwaukie. Wis.:
 40,321.-Naval Architecture.-John Bowdlear, Roxbury,


 celving and sirving asa,
Bboutbog as descried.
40,322.-Machine for Separating from tho Stalk and
Twisting Woody Fibers.-H. W. Bowen, Providence,
R.I. I.:

I rlaim a a combination consistung of the following elements or their
mechanical equiratents viz:-

俍



40,323. - Beehives.-Levi Brown, Pontiac, N. Y.:


 the sides of the hive, substanulally as and for the purpuse herein set
fornh.
$40,324 .-$ Dial Telegraphs.-C. T. Chester, New York City :




 wheel, conirolling and regulating the action of the mechanism tor
opentag and closing the circuit, substantially as and for the purpose
deteribect. 40,325.-Crushing Press.-Edgar Chipman, New York




 In an thclined postion when tithed or turned on either end as se This invention relates to a new and improved press for crushing for tnstance, as is required in expressing motsture from articles or substances, and in giving impressions by means of dies, types, kc. poses which will be very effective or have grest power, and still be capable of beling operated with the great test facillty or by a trifing ex. penditure of power, and aiso be capable of being graduated, so that
the crushing power may be raised or graduated as circumstances may $r_{\text {equire.] }}$

40,326.-Fire Door for Stoves.-J. S. Clark and Washing 40,326-- Fire Doorfor Stoves.-J.
We claim the arran gement of the mica in the Are or feed.doorof a
store provided with a morabie diak or silde and outtable openioge, so



I claim, irsti, Me combination of a hollow pition rod, C, recipro

 cylinder, B, and stailonary cylinder, A, substanually as described.


40,329.-Filter and Cooler.-G. B. Davis, Chicago, Ill.:
 opening, c. in the top to receive 'the stopper, $G$, and all arranged a ndror the purpose spectiied.
This invention consists in a novel and improved combination of a such a manner that the water will be filtered in a thorough manne and allowed to pass into the cooler whthout the liabitity of coming in contact with the tee in the tee-chamber, the different chambersat the same time betng rendered very accesalblef or the purpose of cleaning

40,330.-Washing Machine.-M. C. Cronk and S. W
 upright, D, the whole coustructed and arranged substantally as here 40,331.-Railroad Car Coupling.-John Davis, Alleghany City, Penn.:
I claim the arrangement of the flexible jaws, $b$ and $c$, coupling
tongue,, recess, $j, ~ s t o p, ~$
, springs, and
tally as heretn desertbed and for the purpose set forth.
40,332.-Railroad Car Brake.-John Davis,Alleghany City Penn.:

 and operating in the man
for the purpose set forth.
40,333.-Musical Instrument.-William Davis, Tamaqua, Pa.: the arrangement of two or more horizontal sliding bowsop
 rranged, combined and operaked as herein described, for the purpose
of productog the musicul sound of the harp and violiu. 40,334.-Lamp.-C. T. Day, Newark, N. J.:
Iubee $D$, openiog, g, spiral grooves, $e$, and pins, $f$, substantially in the anner herein showin and described
IThis invention relates to an tmprovement in lamp burners, where of the lamps are rendered capable of being filled or replenished with or manipulation of the burner, none of the parts of the latter requir og to be detached or remored
40,335.-Steam Engine.-William Denkmann, Philadel phia. Pa.:
1 claje, irst,

Combiningand arranging the screans, b, Fith pumps
nerauling chambers, B, silbetantially as described, for che purpose of injecting wais. in the orm or spray, uniformly upo
hie surince of the chambers.
Second. The combination and arrangement of the ralve case, E, an


 nd cylinder, A, for the purpose of supplying the latter with steam,
substanually in the manner above described.
Fourth, Constructing the valie, Fourth, Constructing the valve, F, wilh the openings, 181920 and
21, In connection with he openings, 2223
24
 40,336.-Paper Press.-Wm. R. Dingman, Stuyvesant
Falls, I claim, tirst, Con
Mos or corresponding uper ard employing a press with a series or
L metallic platea, JJJJJ Jand und to the required pressure it may be easily lied into reams or

 40,337.- Platform Scale.- E. S. Fargo, Dixon, Ill. with the double or jointed levers, $H^{\prime} H^{\prime}$ the rod, , and and scale beam,
, all arranged und operating substantilly as and for the purpose L, all arranged und operating s
40,338.-Flask and Bottle.-W. T. Fry, Philadelphia, Pa. I cha im the neck, A, of the boule, and the cap, C, both being con.
struct ed, adapted and cemented to abch other, and srranged for the
recepton of the screw cap, E, all substantially as sel forth. 40,339.-Stair Rod Fastening.-E. A. Goodes, Philadel phia, Pa.:
I claim, frst, The levers, B and $B^{\prime}$, with thetr camlike projections,
c, constructed and applied to stair rods, substantially as andfor the purpose described.
secondy, In combination with the satd levers, $\mathbf{B}$ and $B^{\prime}$, and their camilk e projectlons, c, I claitm the brackets, E, applled to the stairs,
substantially as described for the purpose specifed. 40,340.-Grain Separators.-Ahdrew Hanter, Solano Co. Cal::
I claim, ine arrangement of thescreens, E F O H I K, with the
late, $\mathbf{P}$, for the purpose of more thoroughly separating the grain to be cleaned from grain of larger size, substantially in the manner an for the purpose described.
 sreen, $M$, for the purpose if gulding the grain tuto the hopper, $U$
and chan or small seedinte ine hopper, $V$. I alao claim the arrangement in grain.cleaning machines of trays
or sbosin wo or more sets in combinaidon with thereversed cranka
and connecting rods, in the manner and fur the purposes set forth. 40,341.-Grate.-Samuel J. Kelly, Pemberton, N. J.
 phe fiange, a, and at back by the beveled bar, D, resting in a eurres
ponding recess, E, In the bar, Chen the said morable sectlon
extends completely around from the front and top to the lower and rear part of the grate, and all the partsarec
in the manner and for the purposes spectied.
[By thia invention a large aperture in the grate may be opened a

## will, through which cinders and other refune are discharged with the

 greateat faclilitg.]40,342. - Portable Fence.-Jacob Killian, Marshall, Iowa. the same altemmate ty in reverse directiona around the ceniral rall, $A^{\prime}{ }^{\prime}$,
 or more of the ralls and provided with horizontal biar
substantially as and forthe purpose herein set forth
[This invention relates to a new and improved portable fence, sucb as are designed for temporary use in certain localities and admit of being put up and taken dowa wilis raciliy. The biect of the haven spectifed, and one which may be constructed by almuat any one ramiliar with the use of mechanics toole.]
40,343.-Fire Extinguisher.-William Kitson, Lowell, Mass.:
I clatm the employment for admiting water to a cotion or other
btn to extingush fre theretn, of a araive or cock, which is opened by means of a wetg hit which is sel freefor the purpose by the ignition of
gun owder or other explosive material, operating subp tially as
berelndescribed. 40,344.-Bawing Machine.-John L. Knowlton, Bordentown, N. J.:
I claim, first, The attaching of the saw frame or samh, H, to a ring,
C. fitted withtn friction rollers, D, and turned or adjusied by means
 thally as and for the purpose set forth.
Second, Operating the saw frame or saa $h, H$, through the medium of the side., pltm
tally as described.
[The object of this invention is to obtain a sawing machine of sime ple conatruction which may be adjusted or mantpulated with the greatest factlity for sawing ship and other tumber in carved and eveled torm.
40,345.-Tbill Coupling for Carriages.-Thomas B. Lam
I claim the combination of Yibe caps, $D^{\prime} D$, otther or both in com bination with the bolt, $F$, in the manner and for the purposes sub
atantially as set forth. 40,346.-Switch for Telegraphs.-James Lewis, German Flats, $N$. Y.:
I clamm, Brat, The barrel or oylinder, s, Figures 1,4 , and 8 , and


 beren before set forth.
Third, I claim the alternate arrangement of the apripgs a h rgn hi , as shown in Fig. 2, when used for the purpose substantially as set
 Forthin, I claim the mode described of limititng the upward move.
ment and of preventing the lateral movement of the springs, ar n
 ook headed rall, 10. in connection therewth, or their equivalent,
when used aubstantially in the manner and for the purpose sei

 index for makitng eaid barreli, connecting bars and spinge or their
combined equivalent, practically aralisble for the purpose set forth. 40,347.-Soda Water Apparatus.-John D. Lynde, PhilaI delphia, Pa.:
I clatmpthe measuring chamber, $B$, the fountain, $\mathbf{D}$, and the 1 m .
proved valve, f, all constructed and operated substantally as described, alzo the constrnction and arrangerment of the cock ${ }^{2}$, as de-
scribed, by meane of which 1 am enabled io int roduce through hole, , water or gas, at a given presaure at will.
Also the combination of the fountain, $\mathbf{D}$, with the valve stopper
nd its use in connection with te
 40,348.-Trunk.-Charles Mayer, New York City
I claim a trunk, A, having triple sides, a c , and two bottoms, d d',
said stdes bring conneceed by sloted screw, clampe, $\mathbf{C}$, substantialis Also the cavtuea, $h$, in the brackets of the clamps. C , as described, preveni che screwe rom slipping when the trunk is set . This invention cossicto in a rrunk init triple sides and a double
 and orter parte and the rrupk ean se ont in high to the deaire and outer parta, and the trunk can be enlarged in hight to any desired extent, and if thus enlarged a space or receptacie is formed between to keep separate from the balance of the contents of the trunk.]
40,349.-Strap for Drop-presses.-Charles McBurney, Roxbury, Mass.:
I clatm ite orpproved strap or belt for drop-presses composed of
several plites of anvas cut diagonally and cemented logether with
vulcanized indta-rubber, as set forth. 40,350.-Fuse for Explosive Shells.-James McIntyre, New York City:
I claima a ball or bloct cemented upon a tube or opening communt-
callng with the interior of the projectie, and surrounded with fuse powder se set forth so that the explosion of the projectile will tase
place when the said ball or block limaken oft tit seat, by the pro-40,351.-Machine for Pegging Boots and Shoes.-Wm. I claimer, cherrangement of the elast ceord, N, and pulley, O, with
the tube, K, and follower, M, In the manner herein athown and de. scribed. The combination of the adjustable box, $\mathbf{D}$, and collar, $\mathbf{C}$, with the
tube, $\mathbf{A}$, spindle, $\mathbf{B}$, and spring, $\mathbf{E}$, in the manner heretn ahown and desoribed.
The arrangement of the feed wheel, $\mathbf{J}$, with the tube, A. and the
Ww, peg-dryer and cutter, in the manner heretn shown and described, so that sald feed wheel will revolve on a plane verilcsi wit
said parts, all as set forh. 40,352.-Capstan or Windlass.-Isaac G. Morgan, Ithaca N. Y.:
 quired, substantially as set forthand described; procuring power on 40,353.-Aero-vapor Burner.-Oscar F. Morrill, Chelsea, Mass.:
 or over the forampnous cap, A, and lino the chimney, C, and from
thence to pass dow nward and affer ward thto the air and vapor mixin




40,354.-Steam Pressare Regnlator.-Joseph Nason, New


 to a sair.adiusting variabie frce opposigi the prosth
40,355.-Hoop Skirt.-Caesar Neuman, New York City:

 tapes, D, in th
[The object of this invention ta to make the walst band and the buatle.rings of a hoop akirt self:-adjuatable, according to the varying thlckness of the body of the wearrer.] 40,356.-Sawing Machine.-Sanford W. Northrop, Albany,




 forth. 40,357 .-Moulding Artificial Teeth.-James A. Pelton,
 curvill earr block. .
 means of a mold, substantially as above descrited.
40,358.-Watoh.-Edward Favre Perret, Locle, Switzer
land: land:
 started at pleasure, without aftecting the movements or the seconde
40,359.- Orain Drill-O. M. Pond, Independence, Iowa

 40,360-Washing Machine.-Haskell Preble, Machias, Maine:

(This invention conosista lu the employment or use of a rotating
futed cylluder and a serpentine futed premanre board arranged with Auted cyllnder and a serpentine fluted preanare board arranged with
a welpht, levers and connectlng rod, in such a manner that the clothes may be subjected to agreateror less presaure as desired and cleansed thoroaghly and expeditlousily withouthe least injury.] 40,361.-Lamp Shade Snpporter.-Christian Reichman,
Philajelphia, Pa.: Phila Jelphia, PRa.:
As an improved aricle of



[This invention consists in stamping or cutling the shade supporter In one plece out of a plate of sheet. metal, and in such a manner that
it will be stralght when frat cut, and be capable of being bent in It will be atralght when frot cut, and be capable of being bent in the
form of a oircle or band and admit of beling adjusted to the shade with the greajeat facility.]
40,362.- Exploding Torpedoes, Mines, \&c.-Swen Eskill
Banborn, Philadelphia, Pa,




[An engraving and desoription of this linention will be published in an early number of the Bcismititio Aviricicn.]
40,363.-Hoop Skirt.-Leopold Sanders, New York City :

[This invention relates to a new and improced means for securtpg the hoops of the skirt to the tapes, whereby a very frm and strong connection is obtained between the parta a foreasid and alis binung or
moring of the same out of their proper relative posillon efectually prevented.]
40,364.-Machine for Coating Oil Cloth,-Milo Sawyer, Ciucinnati, Ohio:
It clad the appicetlon or an adheaive, ilastle or tractive cyllider,



torth.

IThis Invention relates, frot, to an Improvement in the seed-die tributing apparatua, whereby the seed is discharged in an uniform required, and the distribution of the seed atopped entirely at ans required, and the distribution or the seed Atopped enirrely at an
time at the will of the driver or operator. The invention relates, se cond, to an Improvement in the arrangement of the plows or cover era, whereby the same may be adjuted at any angle required to ob tain the proper depth ofpenetration, and also entrely elerated
40,366.-Heater.-Edwin Sprague, Alleghany City, Pa.
 40,367.-Cultivator.-R. H. Springstead, Constrntine Mich:
 I alion claim ihe arrangement with the hinged bars, EI arle, C , and wheelis, Bof the guards, c , :lll "perallug together in the man-
ner hereln shown and described. [This invention consists in the arrangement of stay bars or guards ondang from the ends of the frame ousslde of the whelo to the to teeth which run outalde of the wheels, in such a manner that the heels are fully protected from lateral obstructions, and at the sam me the teethare enabled to run close up to a rence or to a stump or consists, further, in the arrangement of a laterally sliding tar with two hingedteeth, in combination with a hinged vertically adjustable ar and sultable hand levers, in such a manner that the driver is enbed to adjust the plows in a lateral and in a vertical directio henever he finds it necesaary to do so.
40,368.-LLamp.-W. G. Sterling, Bridgeport, Conn.
i claim the combination of the skeleton
 0,369.-Filter.--Charles Suissner, a citizen of Great Bri Itain residing in the United States: :

 antially a deacribe
40,370.-Machine for making Dough,Paste, \&c.-Ebene-
Zer Stevens. London, England. Patented in Eugland $\underset{\text { clain }}{\text { De }}$
















40,371.-Furnace for re-burning Bone-black.-Gottfried


 The purpose sel orrib.
ween two Are-places, B B' one or more series or rerotrt, C, be
 40,372.-Manufaoturing Tin Cans.-J. E. Vansant, Louis ville, Ky.:
 or their equivalents, In comblnation with the former, H , all arrange
to operate as and for the purpose herein set forth. TThis invention relates to a new and improved machine for manuracturing cylindrical tin cans, and it consists in the employment of the jaw belag operated by a treadie and levers, the latter being provided with a weight and all arranged and used in connection with a rormer.]
40,373.-Sigasl Apparatus for Railways.-Eugeni Vin
cenzi, Parma I claim arranging, and comb
40,374.-Water Elevator.-T. J. Wadleigh, Sutton, N. H.

 s further claim the parilicular man ner of operatiog the levers, I, 1 t
inlock or detach the drums from the shan. B, to wh, by means o he spiral grooves, c c, in the drums, C , wil
working thereon, substantlally as described.
[This inventlon consists in the employment of a windlass provided With two loose drums, to each of which a bucket is attached by a rope or chain, said drums belng provided each with a gear into which a plinion meshes, and each also provided wlth a lever; the above parts uch a manner that, by a continuous movement or rotation of the windlass in one direction, the buckets may be raised and lowered, the wo buckets moving in opposite directions, that is to say, one belng its higheat or culminating point, till edand deprived of its contents.] 49,375.-Heater.-Anton Weller, Albany, N. Y.
 D, ash pit. B, chambers, E F, cylinde
constructed, arranged and operaling
poses hereln shown and described.
(This invention consists in arranging a oold-air or alr-heatiog pas sage whin a draugat hue and ire chamber, of a stove or air. Lealing heating store are obtalned from a given quantity of fuel.」
40,976.-Gas Blow-pipe.-A. H. Wood, Boston, Mass. I claym the employment, in a gas blow-plpe, of one or more reser.
vorrs for contanding water or other volatio subetance, and provided


I also clalm the cap, F. provided whth holes, $f$, and so arranged 88

- contront the admission of art throurh the holes, e. in the manner 40,377. - Paddle-wheel.-Leonard Ames, Wanbeck, Wis. and Melville Miles, Pepin, Wis., assignors to Leonar Ames:
We claim a paddle wheel having its noats or blades constructed of
aliat board, $\mathbf{C , w i t h}$ a series uf parrallel blucks, D, autached tolt at righ
 We further claing havink he huter edge of the basids. C. rounded
as shown at and also the suter and inner ends or the blocks, $D$, rounded as shown at $b \mathrm{~d}$, fur the purpose splecitied
40,378.-Sugar Evaporator.--David Beasley, Buone Co. ind., assignor through mesne assignments to T. C I claim the combiopatlonand arrangemeut of the evaporating pans,
C D. and water dampers, E E E, for the uses and purposes sub 40,379.- Skirt Wire. - William Darker, Jr. (assignor to J I clamm skirt wire with a woven. covering as an new manufacture,
substantally as herein described. 40,380.-Field Roller.-Chester Dunham (assignor to himself and William Heston), Bedford, Ohio
A, or a spiltable trame, as shown, in combination wlth the roller, H, H,
tiachedto a box. $G$, in a suitable frame, which is connected to the
 The object of this invention is to obtaln a roller for rolling land which will conform to the inequalities of the surface over which it passes, and thereby perform tis work in a more thorough manne lously constructed.]
,381.-Curtain Fixture.-E. M. Judd (assignor to H. L I claim the plit, $d$. formed, whth the mortise, 1 , for recelving the
tape, and with the shoulder, 2 , fur securing the metallic end, $c$, tothe
oller, $a$, as spectied. 40,382.-Covering for the Head.-T. S. Lambert. Peeks kill, N. Y., assignor to J. O. Wood, Southfield, Ne Y 1 claim the application wrthtn a covering forthe head, ortio any
part ot wearing apparel, of sund paper, or its equivaient, substantial
is as and for the purpose described, 40,383.-Apparatus for Stretching Hat Bodies.-T. G
Oakley and W. R. Finch, Brooklyn, N. Y.:
 0, 3
384.-String-l)earing for Piannfortes.-R. A. Tooker
New York City, assignor to himself and W. B. Brad bury, Bloomfield, N. J.: I claim the string bearing composed of a screw having les bead slot
ted for the recepion of the string or strings a nd a screw thread. or
and such slofted head fitted with a nut, for the purpose of gecurling the
parts of the head upan the striug or strings, substantial!y as and for
the purpose herein speclied. [re purpose herein speclied.)
('This improved string-bearlng, which may be employed at elther or oth ends of the string, and which serres the purposes of securing he atring at a proper elecation for accurately regulating the length and direction of the ibrating portion of the string and maintaining proper distribution of the scale, consists of a screw having a thread or to them or body, by which to secure it in the sound-board bridge to the sound board hself whithout the use of the brlage, or in the thread on the exterior, for the reception of a nut by which to clamp he string or strings within the slot or slots, in such manner as to give them a firm and durable bearing both abure, beiow and on both sides. 40,38.5.-Projectile for Fire-arms.-O. G. Warren (assign or to Joshua Barnes), New York City
I claim the combination of the taise powder chamber and the hollow shot; to holdatll the charge, and to sustain the greater part of
theshock of the explusion, in the manner described. 40,386.-Grinding and smoothing Shot and Shell.-Jarvis Wiliams (assignor to E. 'T. 'Irofitter), Boston, Mass.
 Second, Making the rollers, , it in two parts, capabe ut turning In
oppositedirectons, substantially as and ior the purpose descibed.


## DESIGNS.

1,834.-Reel.-Emma C. Wooster; New York City
1,835.-Plates of a Parlor Stove.-Isaac De Zenche (as signor to Bridge, Beach \& Co.), St. Louis, Mo.
,836.-Cooking Stove.-Isaac De Zenche (assignor to
Bridge, Beach \& Co.), St. Louis, Mo.

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