 [This stove is applicable to all varieties of heating purposes. Its advantages are economy of fuel, large area of heating surface, and protection of the parts from too severe action of the fre. $]$
35,632.-S. B. Sexton, of Baltimore, Md., for Improvement in Heaters:
 heated air is conducted to aparrments above the said parts being ar
 iree circulation of air in contact with the the of a covered fuel supply
chamber E , of an , suitable construction.
 35,633.-Pierpont Seymour, of East Bloomfield, N. Y., for Improvement in Seeding Machines

35,634.- Jonathan Smith, of Tiffin, Ohio, for Improvement in Grain Drills :




 37,635.-William Southworth, of Newcastle, Maine, for Multiplying Camera
 catches. $F_{\text {in }}$ Sioving the lenses from one side for the camera, C , to the

 lially drawn out or shad
35,636.-J. H. Thomas and P. P. Mast, of Springfield,
Ohio, for Improvement in Ohio, for Improvement in Seed Drills:
 set forth.
35,637.-W. B. Treadwell, of Albany, N. Y., for Improve ment in Breech-Loading Ordnance :


35,638.-C. D. Van Allen, of Syracuse, N. Y., for Improve
 35,639-G. Frink, of New York City, and L. Heitkamp,
of Brooklyn, N. Y., for Machine for Cutting Books in the Round :

 hialling as described.
second, We claim, in combination with a press suitable for holding






 35,640 . W. W. Wirdin, of Baltimore, Md., for Improved Rotary Engine



palse sot clitim the
tially as specilied.
35,641.-William Vogt, of Luuisville, Ky., for Mode of fasteniug Shirt Studs:

35,642.-W. B. Wadman, of Boston, Mass., for Improvement in Coal Sifters:


35,643.-Sylvenus Walker, of Boston, Mass., for Impruved Clothes Wringer:


 35,644.-Job T. Williams, of Philadelphia, Pa., for Improvement in Lamp Reflectors
Iclaim, the reflector, composed of the

35,645.-John E. Wilson, of Baltimore, Md., for ImproveIment in Apparatus for Defecating Liquids:


[Thisinvention consists in a certain construction of apparatus, in which is combined a pump, whereby the liquid may be impelled or
forced through any suitable filtering medium in a continuons circuit, forced through any suitable filtering medium in a continuons circuil
without coming in contact with the external air, thus greaty facili ating the operation of defecating or cleansing. ]

35,646.-John Zimmerman, of Bloomfield, Pa., for Improvement in Lifting Jacks
 and sublanantialy as described
and alam the combinastion of

35,647.-A. I. Ambler, (assignor to himself, R. N. Ambler
and W. Martin), of Milwaukee, Wis, for Improvement in Railroad Car Brakes. in Rairroad Car Brakes :
claim. frst, The emplogment on

 volving brake rodes,
the purpose sefor
Second, The
The

 Third Actuoting the brakes from the rotating rod, $\mathbf{Q}$, through the
medium Actactind



35,648.-E. G. Dyer (assignor to Owens, Lane, Dyer \&
Co.), of Hamilton, Ohio, for Improvement in Thrash ing Machines
 the whole
set forth.
35,649--Merwin Fowler (assignor to Edward Miller), of Meriden, Conn., for Improved Spring Catch for Lamp Chimneys
laim, the com
I claim, the combination of the hnok, C, and spring, d, applied to the
lamp top, or burner, substantially as and for the purpose sei forth. [This invention consists in securing the chimney to the lamp top by means of a hook, which is attached to the lamp top, and has a spring connected to it and all arranged in such a manner that the hook will,
under the action of the spring, press down upon the flanch of the nder the action of the spring, press down upon the flanch of the
chimney, and frmly secure the latter to the cone of the burner.] 35,650.-Charles Heath, of Malden, and Joseph Wilson, of Boston, Administrators of J. B. Wilson, deceased, late of Malden, Mass., for Improvement in Machinery for
Pressing Brick : We claim the combination of the cranked lever or shant, $K$, and the
wo connecting rods, II, with the two sectoral togties $L \mathrm{~L}$, and


or to himself and John Dev lin), of Brooklyn, N. Y., for Improvement in Machine for Making Elongated Bullets




 cutter. ., operating as described, of a feed bar,' E, and an elastic, anee
specilied The combination with the grooved table or bed, A, and th the
grooved bar or slide, $C$ of one or more pairs of holding' dies, and


 3 and for the purpose sel forth.
cylindrical blanks are cut from rods of novel character, in which sired external form for the bullets by a rolling process, and afterward drilled to produce the cavities in their bases. 1
35,652.-I. S. and J. W. Hyatt, Jr., of Chicago, Ill., as
Whitehall, N. Y., for Improvement in Knife and
Scissors Sharpeners: Improvement in Knife an
We claim, first, The combination and arrangement of the double
rest, d d ${ }^{1}$, and grinding wheel, $C$, substantially as and for the purpose
Second, We claim the combination of the scissors rest, D, either
double or single, with the twin grinding wheels, $C C^{\prime}$, keptin contact by a spring or itts equivleant, the whole forming a machine for sharp-
ening both scissors and knives, substantially as described.
35,653.-J. H. Mears (assignor to himself and Alfred
Ward), of Oshkosh, Wis., for Improvement in Rakes for Harvesters
T claim, first, The wheel, H, constructed with an upright rim, har-
ing sints, substantially as and for the purpuses set forth, in combina
 sirings, U and W, and rake $N$, all cunstructed and arranged, substan-
tiallyas set forth.
Second, $\mathbf{I}$ claim the caps $\mathbf{B}$ and $R$, or their meclianical equivalent, thached, to the sheeve, D, of bevel wheel, C. turningly in a contrant
direction from wheel, $H$, constructed and operating in combination
 or shi,i sleeve, L, with gar wheels, H and C , and their'attacliment
wheneby one whel causes the rake to elevated state, and the other 1 na contrary direction, cansing it t
sweep in close contact with the patform, substan ially as set forth.
35,654.-J. E. Seavey (assignor to himself and Matthew E. Bochner), of Kennebunkport, Me., for Improved Sai
Link to Mast Hoop : I claim the mast hoop
slaclaim the mast hoop and sail cond the clasp, constructed, arranged consisting on combine
together, substantially in manner, and so as to operate as specified.
35,655.-Charles C. Stansell, of Middleboro', Mass., assign
or to himself and A. W. Rockwood, of New ton, Mass
for Improvement in Lamps:
I claim combining and arranging with the wick the wick tube, $B$,
and the flame adjuster, $H$, of a lamp, in manner substantially as de
 in also cla im combining and arrangng with the thamed adjuster and
the vapor interceptor and conduit, as described, a heat insulator or in. the vapor interceptor a nd conduit, as described, a heat insulator or in-
sulvating vapor reservoir, I, made of a material and so as to operate in
manner, and for the purpose, substantially as specified. 35,656.-J. C. Tobias, of Middleport, Il., assignor to him-
self and Henry C. Kirk, of White County, Ind.,for Improvement in Harness Saddles
Iclaim, as an improved article of manufacture, a harness saddle or
padtree. composed of plates, A B, pad C, and cover, $f$, made and
united in the manner shown and described.
[The object of this invention is to obtain a saddle or padtree for har nesses that will be extremely simple in construction. and still be capa ble of yielding or giving to the morement of the animal, as well as
adjusting itself to the shape or form of the same.]

35,657.- John H. Vickers (assignor to Lucius W. Pond,
of Worcester, Mass., for Improvement in Revolving of Worcester, Mass., for Improvement in Revolving
Fire Arms:
claim the continuous collinder frame, A, rigidy attached to the
 specifed. . 1 im bringing the lower front angle of esid continumn, frame otlom of the breect And Ifurther cilaim thei insertion of the chylinder axis pin in a for
ard direction throu h the tylinder frame and rylinder, and into ward direction, throuth the cylinder frame and cyinder, and intor
hole in the center of the breech piece, substan tiallyas and for the pur-
pose speifed 35,658,-s.
,658.-S. R. Going (assignor to D. S. Quimby and D. S. Quimby, Jr.), of Brooklyn, N. Y., for Improvement in I claim, frst
I claim, frst, The manner of equalizing the heat of the fre in and
around the oven by mens of a damper, as set forth.
Second, Pacing te tapper 35,659.-Alfred Berney, of Jersey City, N. J., for Improved
Composition for filling Shrapnel and othersimilar pro jectiles: Jectiles :
Ietain asphatum for
set forih and described. Re-ISSUES
1,317.-G. G. Lobdell, of Wilmington, Del., for Improve ment in Cast Metal Car Wheels. Patented April 15 1862:



Third, Counterbaiancink the whee. by pouring melted lead or other
suitable metal into the chamber, $e$, when said metnl counterbalance is used or employed with the braces, f , arranged as sel forth.
Fourth,
he combina ire, B, When both are constr
and for the purpose set torth.
[A notice of this invention appeared in Volume VI. No. 18, of the Scientific American, New Series.
1,318.-Henry A. Burr, of New York City, assignee through Improvement in Manufacturing Hat Bodies. Patented April 25, 1846. Re-issued October 7, 1856. Extended and again Re-issued April 25, 1860

## Iarying thickness. deposilng

Sarying thickness. In holding the bat by pressure, so as to preserve the dis.
Sosition of the fur and permit the percolation of water sid position of the fur and permit the percolation of water, and
Third, In saturain the bat wif water while the dispo sinon of the
fibursis preserved. These three steps being pertormed in the order, nbers is preserved. These three steps be
designs.
1,605.-W. L. McDowell, of Philadelphia, Pa., for Design for a Stove.
1,606.-W. L. McDowell, of Philadelphia, Pa., for Design for a Stove.
,607.-John Martino and James Horton, of Philadelphia,
Pa., assignors to Stuart und Peterson, for Design for a Cook's Stove.
1,608.-G. B. Owen, of New York City, for Design for a
Clock Case. 1,609.-J. F. Rathbone, of Albany, N. Y., for Design for a Cook's Stove.

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