60,969.-Hoop Skirt. - Hunneville Vincent, New York City, asepror to Hugh B. Brown, Brooklyn, N. Y. I claim sies arranging of the wires or hoops in such a manner that each
hoop ropses or interesects itself once or more in it passeage around the skirt,
nubstantially as and for the purposes herein set forth. 60,970.-Door Lock.-Rudolph Vollschwitz (assignor to himself and J. J. Schlaepfer) New York City.
 60,971.-GRANARRY.- James Walsh, Valley Town, Ill.
Iclaim the granary and measurer, constructed of removable pa 1.claim the granary and measurer, constructed of removable parts, sub-
stantialy as described and represented.
60,972.-HoLLow AugER.-Joseph Ward, New York City.
Cclaim, First, The arranement within the case $A$, ot the cotter stocks, B,

$0,973 .-$ Mechanism for Operating Dies.-Hervey Waters, Northbridge, Mass.
Niaim the combination with an eccentric ham mer, crank press, or other
similiarly operating machine or machines on meanansorsytem of mechanism.
by which the action of the machine or machines may be controlled substan.
 merof.
$60,974 .-$ Lock and KEy.-H. B. Weaver, Hartford, Conn.


 the handile, E', as described.
Fifh, Th, siot in tlie tubular stem of the handle, $\mathrm{E}^{\prime}$ in combination with
notches, p , in the edges of the key.

 Second, Pose haim the annular plate, , b, made substantially as and for the
purpose herein shown and described
for parpose herein shown and described
c, wirth, the claim rhe the combination of the plate, b, box, B, and cooling cover,
and described. 60,976.-Cultivating Hops--E. A. Wightman and W. C. We claim the sliding rod, B, arranged with the poles, A, as shown, adapted
to be drawn therefrom when desired, substanullly as represented and de-
scribed. 60,977.-Corn Husker.-J. F. Winchell, Springfield, Ohio,
assignor to himself and George C. Steele. assignor to himself and George C. Steele.
I claime the corn huske, consisting of the metal plate, A, and the strap, B,
made anjustable in size, when constructed and arranged as hereln slown and described.
60,978 .-Chair.-G. C. Winchester and M. V. B. Howe (assignors to C. and G. C. Winchester), Ashburnham, Mass
 Also combining with such arrangement or tonstrustor, the spring, i, fixed
to ha
and described. bearing against the rear part of the Beat, subetanially as shown and described.
Also the combining of the ratchet bar, pawl plate, shaft, and cam, when
arrangen to lock the seat in horizontal or inclined position, substantially as
set forth.
 60,979.-Construction of Ordnance.-W. E. Woodbridge,

 Third, I also claim the application of the mode of construction hereir de-
seribed, to tubes other than cannon, when the mechanical requirements are
similar. 60,980.-Bridle Bit.-L. D. Woodmansee, Dayton, Ohio: I claim the combination of the rigid bars, A and B, jointed directly to the
mouth piece of a bridie bit, and operating in the manner substantially as and
for the purpose deccribed. 60,981.-Grates.-Charles J. Woolson', Cleveland, Ohio. I claim the tippsing frame A, provided with Journals and bearinge, B , in
combration with the shackle or grate bar, D , arms, E , and link, O and du plicate bearings, S.
$\mathbf{6 0}, 982$.-Culiritator Plow.-S. A. Wray, Greenfield, Ind. I'claim the combination of the beam, B and B', elastic plate, D, and hinge
joint, , with a d vice for retaining the beam in position, substantially in the
minaner set forth. 60,983.-Water Wheel.-Anthony Wrealsh and William Burns, Springfield, Ohio.




 60,984.-Composition of Glue or Gelatlate and other
Materials called Durogel - Henry Wurtz New York City.
I claim the combination of bichromate of potash with ordinary glue or gela.
tine, in the nanner and for the purpose substantially as described in the fore-
going specitcation. $60,985 .-H O L L O W$ A AUGER.-Emanuel Young, Amanda, Ohio

60,986.-Imponderable Fluid and Mode of Generating THE SAME.-Martin Ziegler, Mulhouse, France



## RE-ISSUES.

2,430-Process for Purifying Meviallic Oxides.-Alfred Monnier, Philadelphia, Pa. Patented March 21, 1865 . as hereln thet froath.
2,431.-Refining Hydro-carbon Oils and U'tilizing Waste Products Thenerrion--Henry Pemberton,
Alleghany City, Pa. Patented Aug. 2,1859 . Alleghany City, Pa. Patented Aug. 2, 180 .



 decomposition or salt, in
2,432.-Drying Apparatus.-Edward Y. Robbins, Cincin nati, Ohio, assignee by
Patented July $19,1864$.


 2,433.-LaP Jornt.-Henry Underwood, New York City Patented Feb. 9, 1858
I claim the union of the plates or strans, b, with the rive's, a a', which
pass through outer and inner ends, A B, of the belt, substantialiy as and for
the purposes described. 2,434.-Machine for Making Nuts.-William E. Ward, Port Chester, N. Y. Patented Oct. 7, 1856.

 discharge tie nut which was cut off during the previous part of the sam
notion.

 described. 1 also iaim in combination with the mandrel for holding the nut blank
subtatiall a describe the hammersforhammeringor swaging the edges
of the nut
 2,435.-Heating Stove. - William A. Barlow, Elkhorn, Wis. Patented June 3,1862 .
 hereinspecifled.
Ialso claim the
 the purposes herein set forth,
Incomber Ination withthe also claim the dithinding plates, a a, sub
stantially as and for the purpose herein described. 2,436-Heating Stove. - William A. Barlow, Elkhorn,
Wis. Patented June 3, 1862 .

 top to ? he base orthe stove, outside of the stove body, substantially as and
for the purpose herein set forth. 2,437-Capstan For Steam Boats.-John Schaffer, St Louis, Mo. Patented Oct. B1, 1856.

 2,438.-Rake for Harvester.-C. Aultman, Canton, Ohio, assignee by mesne assignments of S. A. Lindsay. Pat
ented Dec. 11,1860 .


 Fourth, An antomatic re volving rake, wit a nniversal joint for dri ving it.
Fitrth he combination or hevolving rake and reel, a hinged platform, and
jointed tumbling driving shaft.
 Seven ground The combination of a tevolving rake and reel, with a mechanism
So andusting the rake and reel together, with the cutung apparatus and plat









,439.-Harvester.-C. Aultman, Canton, Ohio, assignee by
mesne assignments of S . A. Lindsay $2,1859$.
 Third, Ine combination of ar revolving rake and reel, with a hinged plat
Trim anspended from the main frame.
on Fourth, In a harvester, having a revolving rake and reel, I clasm suspend-
in the hinged plattorm to the main frame at one or more points betw een the
ariving wheels.
 Sixth, The employment of radial reel and rake arma attachec to the central
head or axis. by independent hingesor pivors or each radial arr.
seventh, Attaching the beaters and rake heads at such an angle with a rad



 of the rake to the platform in passing over aneven ground.
Twelth, The combination of aquadrant platform, a hinged finger beam,




 2,441.-Fruit Box-Nicholas Hallock, Flushing, N. Y Patented Sept. 7, 1858.
I Claim, First, Afrait box constructed of that sheets or strips of material
Which form hhe body and bottom of the box, and secured together, substan.
willy as described and specined.




2,442.-Spring Holder for Wiping Cloths.-Heary John son, Chicago, Ill., assignee by mesne
J. Johnson. Patented Feb. 211860
I claim the spring holder for cloths consisting of two or more curved spring
fingers, arranged substantially as and for the purposes described. 443- Nicking Screw Heads.-George L. Morris, Taunton
Mass. Patented June 12 . $\underset{\text { Mass. Patented June 12, } 1866 \text {. }}{\text { claimthe }}$ improved nicked screws made
 etween strag thening the find, the twonicks bininy made on the line off one
and the same diamecer of the screw head, allas an d or the purposes spec fled 2,444.-Machine for Making Clinch Rings.-G. M Pat ten, Bath, Me. Patented May 2, 1854.
riam the combination of the retaine and clearer or part, $G$, and 1 its
rink or the equir
 2,445.-Breech-Loading Fire-arms.-William Mont Storm New York City. Patented July 8th, 185 s .
First, I claim arreech piece, hinged at its iront end, and swinging upwar



 Which would otherwi
fore fully explained.
2,446.-Breech-Loading Fire-Arms.-William Mont Storm New York City. Patented July 8, 1856.
First, I claim a chanbered breech piece, when, such breech piece is hinged
at its forward end to the barrel, and arranged to swing over, bubstantially as


 positive motion as described, the lock
rel and bolt, as hereinbefore set forth.

## DESIGNS

2,533.-Trade Mark.-Charles C. Buckley and Louis Dovell 2,534--Conch Lamp.-E. R. P. Cowles (assignor to C. Cowles \& Co.), New Haven, Conn.
2,535.-Stove.-Harrison Eaton, Amherst, N. H
2,536.-Medallion.-Orion Frazee, New York City
537 and 2,538.-Round Comb.-W. S. Minges, New York
City. Two Cases. City. Two Cases.
,539.-Handle of a Fork or Spoon.-John Polhamus, New York City.
2,540.-Handle of a Caster.-Horace C. Wilcox (assign
or to the Meriden Britannia Co.), West Meriden, Conn. ,541.-Caster Frame.-Horace C. Wilcox (assignor to the Meriden Britannia Co.), West Meriden, Conn.

## EXTENSIONS.

Maciine for Drilling Stones.-Joseph J. Couch, Brook: 1yn, N. Y. Letters Patent No. 9,415, dated November 1) claim the impro vement of making the drill rod to slide through the platon

 Kitting Machine.-Daniel Tainter, Worcester, Mass. Letitiva Machine.-Daniel Tainter, W orcester, Ma
ters Patent No. 9,435, dated November 30, 1852 .




Grain Separator.-John R. Moffitt, Chelsea, Mass. Letters No. 540, dated March 23, 1858. Again reissued No. 716, B 1, May 17, 1859.

Mortising Machine.-Joseph Guild, Buffalo, N. Y.
Patent No.
9.431, dated Letters Patent No. 9,431, dated Novemb
No. 333, dated December 11, 1855.
Iclim, First, The sliding wrist, o, connected with the chisel, and also with

 upon a vibrating arm, actuated by the por er the said wrist being silid out
andin upon the arm with yarying power and speed, by the action or said
toggle and ils attached weight or spring and treadle, as explained, or their
equivalents. Machinery for Making Pills.-Erasmus A. Pond, Rutland, Vt. Letters Patent No. 9,455, dated Dec. 7 , 1852 .



## NEW PUBLICATIONS.

The New Gospel of Peace according to St. Benjamin. The American News Co., 119 Nassau street, have issued the above famons
political tracts in a large book of 340 pages, beautifully printed on tinted paper.
These
These writings are full of the most pungent political satire, adapted to mod after.
Guy Hamilton; a Story of our civil war. By Miss Mathews. 50 cents.
Olive Logan's New Christmas Story. 50 cents.
These are very readable stories, and will be found quite acceptable at the
winter-evening freside. Published by the American News Co., New Xork.

## EXTENSION NOTICE.

William Wickersham, of Boston, Mass., praying for the exteusion of a pat nt granted to him the 19th day of April, 1833 , for an improvement in sewing place on the 19th day of April, 1867, it is ordered that the said patition be heard at the Patent Offlce on Monday the 1st day of April next.

