tura of fandy, togetber with the pro
tially as set forth in the s, eci cation
53,914.-Tranemitting Power.-Jacob Woolf, Burr Oak, $\xrightarrow{\text { Mich. }}$




53,915. Rntary Engine.-Henry J. Bebrens (assignnr to himself, Henry C. Dart, and Edward Dart), New York First. Iclaim the concentric fixed hubs. reiessed substantially na de.


53,916. - Hame frr Horse Collars.- John E. Brown (as.
${ }^{\text {signor to hinself, Charles }}$ Peebles), Lansingburgh, Mott, and A. A. Peebles), Lansingburgh, N Y.:


 ecribed
53,917.-Baling Press.-J. B. Gridiey, Louisville, Ky.




 for the oviect wet torth.
 upon tha follower. sta d means. consisising either of the widene ing or the the





53,918.-Metallic Fastening for Plow Beams. - Lewis
Gibby (assignor to Bucher, Gibbs \&c Co.), Canton, Gibbs
Ohio:
 53,919.-Coffer Dam.-Aaron Filmore (assignor to himself, B. H. Anstin, Jr., and Adolphus S. Austiu), Buffalo,
 53,920. - India Rubber Hat and Cap Band.- William H.
Halsey, Hoboken, N. J., assignor to David W. Halsey, Hoboken, N. J.,
Mapes, Orange, New Jersey:
I claim ihe combination of the tho rollers, with their surfaces pre.
pared as described, one roll having a aunken or depressed and the other an e evaed durrace, substantially as, and operating as and for the pur-
poses set forth. 53,921. - New Article of Manufacture from Hard Mubber, to be used in Articles of Dress.-William H. Halsey,
Hoboken, N. J., and Ma urice Fitzgibbons, New York
City, assiguors to Da vid W. Mapes Orange, N. J.:


53,922.-Hard Rubber or Gutta Percha for Articles of Dress and other use. - William H. Halsey. Hoboken,
N. J., and Marice Fitzaibbons, New Y.rks City, as. signors to David W. Mapes, Orange, N. J.
Wise iliun the process harein, sulstantatilly as described, which con-

53,923,-Stencil Brush.--Daniel K. Herr, Locust Valley,

casingi, Bo, constriclecd and operating substantialy in the manner and for

 pany, Boston, Mass:
 53,925.-Stovepipe Damper:- Sumner Marvin (assignor

Mass.:
I laim the damper apparatus, composed not only, ot the frustum, $A$
havig the opening b b bat of he the damper, C
necting rod, E , made .nd
subsiantianty
as specified.
53,926.-Eyeleting Machine.-Andrew A. Reed, North
Bridgewater, Mass., a ssignor to Elmer Townsend Boston, Mass.




53,927. Sewing. Machine for Sewing the Sweat Linings to Hats.-Frederick S. Sanford and Dwigut Whceler Whetler), Bridgevater, Connecticut:

53,928.-Detaching Boats from Davits... F. H. Sheffield,
Stonington, C.,nn., nnd E. P. Paliner (nssiguors to E.
H. Westun), New York City:

mecbanism for tithtening or reieasing said coains. constructedand oper-
ating substantialy as and
for the pur pose described. 33," 29. Harvester Rake.- Thomas Taylor
Samuel C. Ridgeway and John Fox),
Baltimore to Samuel C.
Maryland:
I Claimed the com bined action of the crank Ehaft and curved arm of
ther ker, moving in the sw iveled guide for giving motion to, and oper at ker, moving in the swirieled
53,930.-Horse Shne. - Cassius M. Werner (assignor to him self and Edwin A. Bigelow), Rockford. Ill.
First. I I claim forming the clasps with open loops, a a and tor the pur
oose described
Secind. Cassing the clasps in one plece with the fla age bar, as de

53,931.-Artificial Leg.- James W. Weston and Frederick Buckner, New York City, and Keinbeld Boeklen,
Brouklyn, N. Y., assignors to James W. Weston New York City
First, We caim an ankle joint formed bya spring of rubber or othe suitable material. provided with recessese in in is top and bot tom surfaces


 Third, We claim a connecting bolt with rounded heads or nuts in com
bination wib the elastic ankle ont, substantilly as and for the pur specifed, and in combination therew with we claim the sheet-steel socke
for the heads, w s sel forth for the heads, asset iorth
Forth we ciaim ib: ele
 arould

bythe inne cof veneer or other sutaole material shalled on the with the
 for the purposes spectied.
fiventh, We chum the conlcal flling pieces introduced into the arti-
53,932.-Saddle and Harnes8.-Achille Angeline, Genoa Italy
 sibssent ally set f friti. Second, Tre formation of said elastic substances into tubes, do uble
tubes. dice, knobs, or spheres, substantially as and for the purposes here.
in set forth. 53,933-Rocket.-William Hale, London, England I claim the application of the principe by which the expaision of the the enverose of producing rotation in the rocket about its longitudinal
axis,
53,934. - Steering Apparatus - Morris Weet Ruthven
Middleseex CCunty, England. Patented in England
Nov. 10,1864 :
I claim in combination with a uiler operated by pears, pivoted levers reserves or stores the power with which the w weter for ces ste thatarer in one direction, and is applied to aid the hentmsman in thesing the rudder
over in an op posite direction, substantially as set forth.
53,935-Peat Machine.-Jamos Hodges, Penny Hill, Bag.
shot, England:
First, I claim the pulping trough and separator, E F, provided re provided with the shaft. $G$. having upon in the vanes, J , and bals, L , al
arranped to operate in the manner sulissiantally a a and for the purpose

 and thr the purpose specifed
Thir, The combination of the screw excavators, elevator and pulping mechniism applied to a res el, and arranged for joint operation, sub.
stantaily as and for bee purpose set forth. Fourth, The preparing of tene peat he 1 with subsoil drains, substan
tiany adesiribed when ussed in connection witha vesel provided with 53,936.-Rudder.-Morris West Ruthven, Middlesex Co., England. English Pat. July 11, 1863 :
 friction roll on the next adjecent part, and so on thrn en eubt the series, to
cause the parts when moved by the rudder to assume an approximate
53,937.-Sluice for Propelling Vessels.-Morris West Ruth ven, Middlesex County, England. Patented in Eng
land May let, 1865 :
land May let


 53,938- - Swing.-John F. Hartman, Fond du Lac, Wis-
consin :

53,939-Pump.-A. Leuchtweiss, Cincinnati, Ohio:


## REISSUES.

2,221.-Gnng Plow.-N. F. Burton, of Galesburg, Ill. Patenteil Oct. 28, 1861
 ilessure plepsure, The combination of the subsoriil plow, I. . har ing a long-winged
mold board, with the surface plow, m , arranged a a and for the purpose

 may b be revultated at pieasure, and they may also be madfin run out of
the ground when desired.
2,222.-Lock--Rudolph Vollschwitz and J. J. Sc. inaeprfer, (assigneer by mesne assignments, of F . Randolph)
New York City. Patented July 25,1865 :

 to
2.223. - Revolying Fire-Arm.-J. J. Greenough, Ne York City, assignee of Jamps ${ }^{2}$ Warner, Springfield Pattented June 24th, 1856
Irst. 1 chaim the eunployment of a pin or other prjection as describ
ed in the shield or rear frame tor recelving recoil of the breech con


 2,224.- Harvester.-Reuben IIoffheins, Dover, Penn. Pa First ted May 20 th, 1862


 Second, A rake rotating upon an axis which is perpendicular io the
p surface of the platiorm, or nearly so, and havin itsar ms successive

 substuntially as and for the purpose described. rake and reel arms by









 substantiallif as described ination ora rake and reel licated substantialiy



















 undulatins of
2,225-Knitting Machine - Joseph Hcllen (nssignee by Patented Jüly 16 th, 1850 -extended 7 years:

 Second, I alsoclaim the above described means of or jeecting and
withdrawng the senarate needles, or any other substantial equivalent of
 or revolvrn the cylinder as a needile carrier
Fourlh. Talso claime the ombintion of the jack, the sinkers and de-


 the several parts of the machine by which their varinus motions are de.
rived from a singie orank and screw thread, substantially as describer

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Patent Claims.-Persons desiring the claim of any invention which has been patented within thirty years, can obtain a copy by addressing a note tothis office, stating the name of the patentee and date of patent, when known, and inclosing $\$ 1$ as fepior opying. We can also furnish a sketch of any patented macdres MUNN \& CO., Patent Solicitors, No. 37 Park Row, New York.
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