## OFFICIAL REPORT OF Patents and Claims

Issued by the United States Patent Office.
fok the week ending júne 2, 1868.
patents are granted for seventeen fears, the following
 In addition to which there are some small revenue-stamp taxes. Resident Pamphlets containing the Patent Laws and full particulars ofthe mode of applying for Letters Patent, specifying siae of model required, and muc
ther information use ful to Inventors, may be had gratis by addressing other information useful to Inventor8, may be had gratis by add
$M U N N ~ \& ~ C O . . ~ P u b l i s h e r s ~ o f ~ t h e ~ S c i e n t i t c ~ A m e r i c a n . ~ N e w ~ Y o r k . ~$

78,410.-Governor Valve - Robert Andrews and Edwar




 cushions, etc., as nerein shown and described.

 8lantially as described and for tbe purposes set forth. Baum, New York
 stan tiall as described.
78,415 .-F Featiering Paddle Wheel.-Robert Bell, East









 fef,itib.-Machine for Bendina Circles.-William Boyd,











 ${ }_{78,422}$, Rast

${ }_{7}^{\text {fortbibi }} 7$;





 $78,4 E 6$.--STEAM BoILER FTRNACE. - N. L. Carpenter, Natch-

 78,427,-Ringas for Spinning Machines.-Wm. T. Carroll,
 78,428.-Throst Bearing.-A. W. Case, South Manchester,











 ${ }^{2}$







 78,435. - FILE
Mn
20, 1868.
 79,436.-Horsessoe.-J. M. Cuykendall, Metomen, Wis.

 scrined.-Froit Preserving Box.-O. E. Doolittle, Boston,






 he mootning rollers, substantiaily as and for the purpose described.
78,439 .-CARRIAGE SPRING.-George Douglass, Bridgeport, Conn. ${ }^{\text {I coine ingertion of india rubber strips, b b, in chambers or recesses, a }}$,
a, in the cast metal socket or seat, A. of tre spring, substantially in the maner as and for the purpose herein stt forth.
78,440 . WASHIN M MACHNE.- Noah Drew, Howell, Mich.
 p, substantialily as and for the purposebereind described.
78,441 .-TEMPLE FOR LOOMS. Warren W Wutcher, Hope-








 tailfy a a and lor the purpose set forth.
78,445. ADJUSTMENT OF GEARIN FOR HoreE-Power.I claim the clutch, with inclined faces, for the purpose of adjusting the
gearink of he borse-power, as set forth.

 hand te, the yoke, the stamp, and the reversing
ranged ae descived for joint operaton.
78 ,47.-V ENT FOR BARREL.-Richard C. Fleming, Phila I delpbia, Pa, Pa, The combination of the serew ring, A, with the tabe, C,
tubular rod, E, and bag. D, all made and operating substantially as herein shown and described in combination with the device set forth in the fore-
2at, The oellows, F , in 78,448.-MACHINE FOR GRinding THE Cutters of Mowing




88, Iclaim, 1st, The comnination of the series or guards or wards, N, With the
slotted cylinder. E, substantially as herein shown and described and for the

 for the purpuse set tivo. tb.
 pose specified,
 F. as, and tor the purpuse set forth,
ad, The combinaton of the distributer, B, pipe, E, passing through the re
Aector. and the burner e. flector, and the burner, e, ers, hand $i$, in combination with the pipe, F, th
reflector, pertorated wand the wasening, in the latter, 78,452.-GATE.-William C. Hooker, Abington, 111 .


 78,454. - Valve Gear for Steam Heating Apparatus.-




 coad or pine tar, sand, cement, and gas-hnuse lime.
3d, Tpe see ot alum water at the time of layliug, as specified.
78,456. FORNACE FOR ROASTING ORES.-Edward P. Hud son, New York city.
Iclaim forciog heated air or oxgen, in addition to the products of com,
bution, through ores, for the purpose of removing sulphur, phosphorus,


 herein speci fied.
Also, the arrangement of one fre chamber higher than the otber, substan
tiall aq and tor the purpose herein specififd. 78,457.-PLow.-Sarmuel Hulbert, Ogdensburg, N. Y.
I claim the improved manner of astentng the plow and cultivator I claim the improved manner or fastening te te plow and cultivator together,
seapately and conn ectedy, in manner and for the parposes as herein de.
scried and constructed 78458 - VENEER CUTTING MACHINE.-Edward Jewett


 pur, Sme -
Smith). New Haven, Conn.
 Ta, The socket, L, provided mantur an indla-rubber picking, in combination
Nithi he roo, E, is to operate subtantialy as specified.
 I Claim the removable bars, D F, adapted to be substituted, one for the
ot cher in the same finger bar, tor reaping or mowing, as herein showi and
descrined. 78,461. Tinchester, Hil. Antedated Mav 27, 1868.
 With the tire, B, and felles, A, wabsiantial y as and por the pur
78,462 . RAILWAY. -Carlo Marguti, Milan, Italy










 78,4ti4.-GANG PLOW.-Don Carlos Matteson, Stockton, Cal I clalm. 1st, The bars, E F, attacbed to the front endso of the beams, $A, B$,
will the perforaced draft bar, $G$, attached thereto, substantially as and for
the purpose 2d, The artaching of the caster Wheel, J , to a a single arbor, K , provided
with a scraper, fin substantially as and for the purpose set forth.
78,465.-GAS MACHINE.-Hiram S. Maxim and John F





 and
sureted, as set forth.
9th, Tbe outer case, ( in combination with he has apparatus, as set forth,
 1, and kp:ashnig board, n, all made as set forth.
78,466 . BridLe BIT. -Patick J. McGuiness, New York city.
 constructed, arran ged, and operating as set forth
78,447.-CAR AxLE AND WHEEL.-James Montgomery, Cro


 78 468.-Ore Separator.-R. C. Morton, West Lubeck, Me


 4th, The bar, A, ruborp springs , plates, f, and lever plungers, all oan.
structed and operating subsiantialy as shown and described and for the
 78,469.-STUMP EXTRAACOR.-Crawford Munns, N. Y. city.


 8.470.-Machine for Crozing and Champering Barrels


 shaped arm, s , all conneoted together and operating as and'for the purpose
sprifide
sth, rbe barrel- holding frame, $g$. having spring Jaws, for grasping and


78,471-TwEER-William H. Myers (assignor to Sylvester
















 ${ }_{78}^{78,474}$, - FRUIT JAR.-H. B. Norton, Rochester. N. Y.















 ${ }_{78,482 \text {. }}^{\text {debern }}$-Harvester.-George Rector, Sodus, Mich.



 78,483.-VALVE FOR STEAM ENEINEE.-Alex. K. Rider, Naz-











 ${ }_{78,488}$ forblemating Water Power.-Allert B. Shepard,




 78,490-- Harvestre.- Lorenzo D. Snoob, Barrington, N. Y

 78,491-Self-Fastening Buckle.-William W. Spencer




 78.493.-EAR TRUMPET - Thos. H. Stilwell, M.D., New Yor


 B8.495 -TELERAP PHNQ.




 8,496.-CAP FOR MARINE STove PIPES.-George Warner,



78,498. - A PPARATUS FGR Distiluing.-Alexander Webster,

 78,499. - SELF-boRING STOP Cock.-Alf red Weed, Boston,
I Masma a favet provided with a

 $78,500 .-$ RALLWAY SwITCH.-Wm. Wharton, Jr., Philadel-









 78,502 .-Butter Worker.-Hosea Willard, Vergennes, V






 78, 505.--CLASP FOR FASTENING GARMENTS. .-Wendell Wright
 forth 7806 . Needle for Knitting Maceines.-Walter Aiken





 1cham the comination of the two bolts, mand an, with









78,513.-Cork Extractor--Elijah Button, Annapolis, Md
 erein shown and described.
8,514.-Preservina Wood.-James Calkins,New York city





















 8.510.ribed Breech-Loading Fire-Arm.-Francis H.Escherich,



 78, 520 .

 88,521 . - Door AND Window Catch.-S. W. Gear, White-









 gtantaly, as describcd... $\quad$ oseph Kepler, Crawfordsville, Ind.
 ${ }_{78}$ orthin.-Arch of Furnace for Evaporating Kettle, etc.







eeforth. Seat for Harvester.-W.J. Ludlow, Cleveland, O .
 78,532. - BALAN NCE.-Louis A. Matos, Philadelphia, Pa.
 $78,533$. - SAFETY Bridue.- John McKillop (assignor to An

 78,534-G Galvanic Spectacle.-Judah Moses, Hartford,
 as and for the purposes he rein spectited.
78,535 - - Burrov.-Charles Mudler, Cleveland, Ohio. Ante-

 78,536.-REED Musical Instrument.-E. P. Needham, New
 78,537.-Railwar Track Scraper.-S.A.Otis, Boston, Mass.


 78,538.-Seed Sowina Machine.-John B. Perkins and Ai

 78.539. - LAAMP BURNER-Wm. Robinson, Brooklyn, N. Y.


78,540-- LUBRICATOR FOR STEAM ENGINES.-James Ross,


 ITn, N.Y. Antedated May 5 In 1868
 78,542.-PLIOW CLEVIS.-Roger Sandiford, Joliet, Ill. IClaim, 18t, The dooble segmental clevi, a, when, constracted, operating,



hides. Claima, cro.-John Soe, Philadelplila, Pa. the parposes as pecified. Treating Petrolevm for the Mand







 their products, substantially as and for the parposes specited. Gloucester,


















 ${ }_{7}^{\text {torth }}$,551.-LLquid Meter.-James Sutherland. Broolklyu, N.Y.



 tialive shown and deseribed. Wvertising.-George W. Thompson,









 78,557.-TIDE Motor.-Wm. W. Virdin, Baltimore, Md.



 descrived. -Cider and Wine Mill.-James Walton, Sunfish,
 78,559.- Apparatus for Dyeing.-Miles Waterhouse, Pas-
 78,560- ICE CREPERE-W William C. Wells, Philadelphia. Pa.









 $78,565 .-$ VIsE.-Quimby S. Backus, Winchendon, Mass

 78,567.-Toy.-John H. Barnes, Troy, N. Y.


 78,569-CRMS CBentamin Best For D Destroyina Insects in Froit








 78,573.-Telegraphic Repeater.-W. G. Bronson, Wells-











 78, 574 .- PADDLE ${ }^{\text {and }}$ WHELL. ${ }^{\text {and }}$ James Burson, Yates, Ill. An-





 ner sinbstantially as deecribed. W. C. Cleveland, Cambridge, Mass

 Cogram adjasting toe cap. A, apon the jet or burner by means of the
 78,579.-Thill Coupling for Carriages.-Monroe M.

 sef fortbi, arrang ant operaing substanlaily as and yor the purposes
780 .-Foot Light for Theaters.-Coleman Defries,
 anged substantally, as ner ein 78,581 . - MANOFADTURE OF Toe CALK AND Blank for the
 RFSV8. -SIDE GEAR FOR THRASHING MACHINE.-John









78,584.- CCHMNEY CLASP.-C.F. Espick, Plymouth, Ind.


78,585.-DIe for Cutting the Teth of Metalitc Combs.
 pripose speciffed.

 78, 58.17 . Counary Vessel. - Chauncey W. Fuller, Earl

 78,588. - Co KIN as APPARATUs.-J. M. Gale and I. M. Avery,








 8,593.- W AsHING MACHINE.-Sa fillord V. Hall. McGraw-


 78,595.-OVER SHOE.-H. L. Hotchkiss (assignor to L. Can.
 h, 5966 .-STILL FOR Spiriss.- Gottlob Kaiser (assignor to him




 78,597 Rocks, CaI.
 $8,572.1868$. GATE.-John Lee, Massillon, Ohio. Antedated May



 78.599.-TooTH BRUSB. - Thos. Maitland, Williamsport, Pa
 78, CiOO - Appracatus for Generating Gas.-R. J. Malcolm,

 ater



















 och Piper, Camden, Me.




 78, no8.- Hanger for Shafting.-John Richards, CincinIollill, tht, The stem, c , formed to receive the lags, d , substantially as








 Rrbin
 for the purposes set forth.
78,612.-GRATER AND SLICER.-C. W. Saladee, Newark, Ohio







 $\operatorname{man}^{\text {mad }}$



 Toinit


 f8,619.-Electro Magnetic Engine.-L. C. Stuart, New






















 Ratebe







 78,629.-Electro-Magnetic Engine.-William Wickers-




























 Nomed

 ex,






 R8,




## REISSUES.

2,956. - Machine for Pincoring Leatter.-James M. Bent,






















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 Gible






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 R,

 and




## designs.

 3,062.-Knitted Fabrics.-J. P. Delahenty, Cohoes, N. Y. 3,063.-Burial Casket.-J. M. Hall, Philadelphia, Pa. 3,064.-B.-Clock Case.-G. B. Owen, Winsted, Conn. 3,065.-Street-lamp Post.-R. H. Smith, Pittsburgh, Pa. 3,066.-Perfome Bottle. - Henry Whitney, East Cam3,067. - Toilet Bottle. - Henry Whitney, East Cam-3,068.-Lamp Foot. - Henry Whitney, East Cambridge,

ATENTS 2
 Messrs. MUNN \& CO., in connection with the publication of the Scientifio
AMERICAN, have been activelyengaged in the businese of obtaining patents




















