 62,669.-Strightening Rallroad Rails.-Franklin Nelson, Wyandotte, Mich.
 62,670.- Apparatus for Distilling and Rectifying
Spirituous Liquors.-Marcus Newmann, New York $\stackrel{\text { City. }}{\text { rit }}$


 62,671.- Corn Sheller.- L. T. Newell, Springville, N. Y. T .


 62,672. - Washing Machine. - Mark Newland, Dayton,
 62,673.-SAsh Supporter.-George Nimmo, Jersey City,
 62,674.-STraw CuTter. - Harrison Ogborn (assignor to himself and John W. Frees) Richmond, Ind.




 62,675. - Hose Cotrlivg.-William John Osbourne and $G$ W. Massey, New York City.



 62,677. - ADDING MAcHINE.-Volney Parks, Fort Wayne, Ind

 62,678.-Dies for Making Bells.-Andrew Patterson Birmingham, Pa.

 62,679.- Mancfacture of Paints and other Compounds
From Bitumivots Slates, ETC.-William F. Patterson Yanceburg, Ky.

62,680.-Draft Pipes for Locomotives.-A. Pearsall, Atlanta, Ga .
 62,681. - Harvester.-James Pine, Troy, N. Y.




 62,682.-Machine for Mafing Nails.-A. M. Polsey, Boston, Mass.
claim, in combi





 62,683.-ALARM Lock.-James S. and Russel Porter, Wate claim, First, The ${ }^{2}$
 $\mathrm{I}, \mathrm{P}$ substantially as and for the purpose described
62,684.-MAchine For MAkiNG Horse-shoe Nalls.- Silas
S. Putnam and Lucius H. Dwelley, Dorchester, Mass.,
S. Putnam and Lucius H. Dwelley, Dorchester, Mass.,



62,685.-Machine For Mating Horse-shoe Nails.-Silas
S. Putnam and Lucius H. Dwelley, Dorchester, Mass, S. Putnam and Lucius H. Dwelley, Dorchester, Mass.,
assignors to S. S. Putnam \& Co., New York City.


${ }_{\text {Ho }}^{\text {Fing }}$



 62,686.-Broom and Brdsh Head.-George T. Reed, Philadelphia. Pa.
 62,687.-Dumping Wagon.-Warren Robinson (assignor to himself, J. H. Fairchild, and H. Farrington), Highgate
 62,688.-Casting Pipes.-George Rpgers, Philadelphia, Pa. Irclaim the suse of the rings or chills, A A, in the manner and for the pur 62,689.- Pocket-book Clasp. - Henry Ropes, Brooklyn


62,690.-Cheese Vat.-O. Sage, Wellington, Ohio
 62,691.-RALLROAD RAIL.-Elnathan Sampson (assimnor to

 ,69.-Anti-rheumatic Compound.-Jacob Schmoll, Ne York City.
62,693. - Machine for Cutinng Threads on Bolts.-Fran

 62,694.-Grain Separator.-H. H. Seely, Hudson, Mich., assignor to F. Swift, Lenawee County, Mich.

 62,695 .-Ashand Sifting Pan for Cooking Stoves.-Jacob H. Shear, Albany, N. Y.




 62,696.-Filter.-Frederick Shickle and Evermont Rande calsim, St. Louis, Mo
We claim the water riter consisting of the annular receiving chamber,
 62,697.-Strainer for Coffee and Tea Pots.-Michael Simons, Middletown, Conn
 62.698.-CUTter For Trimming Wall Paper.-Henry C. Snow, (assignor to himselfand C. C. Laltimer), Princeton, claim.
 62,699.-Stove-prpe Droms.-John G. Sorgen, Kenton, Ohio. Antedated Jan. 10th, $185 \%$.

 ,700.-Car Coupling.-Ezra Staples and William W. Gould, Skowheran, Maine.

62,701.-METHOD OF ATtaching Cords to Window Sashes. , Carlos Swift, Mount Carroll, Ill.

62,702.-Knife and Scissors Combined.-Chester W. Sykes, Suffield, Conn., assignor to James Moore, H. H. W.
Wright, Albert Pickernell, Marshall W. Parker, Richard S. Genness, Daniel Dorr, James A. Kelley, George Ochs, and Clarence E. Wilkins, S
tus Wilkins, Warner, N. H.
I claim the knife blade B, shield i, in combination with the sclisoors, when 62,703.-Machine for Polishing Sheet Metals.-Henry Todd, (assignor to Bridgeport Brass Co.), Bridgeport,

 62,704. - Kindling Fire. - William H. Towers, Boston, $\xrightarrow{\text { Mass. }}$
I claiam the 'use of gas for kindiling ares, substantially as herein set forth
62,705-Rests ror Sharpening Saws.- Jas. F. Tuder, Philadellhhia, Pa.

 62,706. - Manvfacture of Iron and Steel. - Charles Usher, Iowa Falls, Iowa.
claim the within described proces

62,707.-Attachment for Heating Kettles and Boilers BT GAS.-Mary Van Vranken, Washington. D. C

62,708.-W WShing Machine.-C. F. Walker, Benfords Store, $\xrightarrow{\text { Pa. }}$

62,709.-Envelope for Spittoons.-S. W. H. Ward, New I claim the spitito
 62,710:-Steam Engine.-George I. Washburn, Worcester M Mass, First, The arrangement of the cylinders, A C, with their double

 Tclaim -STEAM Engine.-G. I. Washburn, Worcester, Mass
 Cescribed. $h$ a arran nemment of the double-dilisk hollow valve, H, operating sub.
tantially 62,7712--STEAM ENGINE.-G. I. Washburn, Worcester, Mass.
 6,613. - Steam Engine.-G. I. Washburn, Worcester, Mass.
 substantially as described,

 62,714.-Filmere.-George Waite, New Orleans, La., administhe estate of John Watts. deceased
 pose specitied.
62,715 -Apparatus for Making Vinegar. - Wendelin 2,715.-Apparatus for Making Vinegar. - Wendelin
Weis, St. Paul, Minn.
 62;716.-Plate Lifter.-Dan Welch, Lowell, Mass., as$\underset{\text { sewton, Mass. }}{\text { signor to Hildreth, Lowell, and W. J. Johnson, }}$ I'claime the combination of the fixed and swinging jaws, B and C , arranged
unbstantially as described and or the purpose fuly set torth. 62,717.-Ointment for Treating Diseases in Horses and Iclaim the improved spanish ointment for treating the diseases of horses, 62,718. - Porta sle Fence. -Eli York, Windsor, Ill.
 62,719. - Shifting Rall for Carriage Seats. - Joseph Zahm, Fredonia, N. Y
he same ror the uses and purpose describe and the use and application of ,-John Hartzell Zinn, Idaville, Pa., assignor

 62,721.-Steam Valve-John Zundorff, New York City.
 62,722.-Safett Valve.-John Zundorff, New York City;

 62,723.- PRopeLLer.- R. D. Chatterton, Bath, Eng land.




## REISSUES.

2,500.-Wagon.-Edgar Huson, Ithaca, N. Y.-Patented Feb. 17, 1857.




 2,501.-Forming Emery Wheels and Grinding and PolNew York City assijnees by mesne assimments of Gew York E. Van Uerbmirynhes Pay mesne assignme




 Nore.-FIFTr-PIVE patents in the above list were obtained through the agency of the Scientific American.

## EXTENSION NOTICES.

Lucy A. Pope. administratrixof the estate of Augustus R. Pope, deceased to the said Augustus R. Pope on the 21st day of June, 1853, for an improve ment in electro-magnetic alarms, for seven years from the expiration of said patent, which takes place on the 21 st day of June, 1867 , it is ordered that the
saidpetition be heard at the Patent Office on Monday the 3 dayof June next. Alexandion be heard at the Patent Office on Monday the 3 da dayof sune next Alexander J. Walker, of New York City, having petitioned for the exten
sion of a patent granted to him on the 24th day of May, 1835, for an improvement in spirit lamps, for seven years from the expiration of said patent which takes place on the 24th day of May, 1867 , it is ordered that the said pe

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control. Patent ordered to issue through the Scientific Amer- strength of material in various forms it is extensively em the driver over the direction and elevation of them shall be per- formation.
fect. The plowshares are attached to the main frame by a pivot bolt through the heads as at $A$, and their inclination can be regulated and adjusted by the bars or braces, B, which can be regulated and adjusted by the bars or braces, B, which It is doubtful if Mr. Bramah, the inventor of the hydraulic have a series of holes in them to receive a pin or bolt. The press in 1796, ever imagined the many and important uses to horses are attached directly to the plow beams by the whiffletrees, while the pole which passes between them is secured to the upper frame by bolts, and the two frames are connected by swivel frames, C, in front, and hinged diagonal bars. The end of the pole which is double or diided to allow the di ded to allow the drier to guide his team over the drills, suetains the driver's seat. Infront of him are two bentlevers, D, connected at one end with the plow beams and used to raise the shares out of and clear from the ground. Thereare also on the uprights to which the wheels are attached foot pieces by which he can easily which he can easily swing the upper frame mining the direction of the furrows. The forward swivels, to which the whiffletrees are at tached by means of a rod passing through a vertical slot in their sides, are connected to the upper frame by pivots, and the rod attached to the whiffletree bar also passes slot in the forward end

of the plow beam, thereby permitting lateral motion to the $\mid$ which his apparatus would be applied. It has become one of tion of the art of metal working.

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