## RETURN OF COMMISSIONER WELLS.

Hon. David A. Wells, U. S. Commissioner of Revenues, who sailed for Europe last May on business connected with the Revenue Department, returned on the 16th Sept. in the City of London.
Mr. Wells was cordially received by the large manufactur ers in England and on the Continent, and has returned with valuable information pertaining toforeign manufacturers and industries, which will be laid before Congress at its next ses sion.
It is seldom that Congress exhibits as much wisdom in se lecting officers for special service as it did in choosing Mr Wells for his commission. Mr. Wells is not a politician, but an intelligent, practical, industrious gentleman, educated to scientific pursuits, author of several standard school and other books, and as a statistician, has few equals, as hi last report to Congress, through the Secretary of the Treasu y evinces. His next report will be looked for with greater nterest than his first, containing, as it probably will, many practical suggestions as to changes in the tariff

## musing Typographical Blunder

The Evening Gazette of this city, one of the best edited papers published in the country, and for correctness of its state ments and typographical neatness excels most of its older otemporaries, thus apologizes for one of its compositor's amusing blunders
A'bewildered reader' wants to know what Sala means by saying that the French call the English" a nation of grasshoppers." To tell the truth, our compositor did Sala a great injustice. We wrote-what everybody is familiar with-"a nation of shop-keepers;" but the printer preferred the word grasshoppers and the proof-reader agreed with him. In fact the misprint in question was one of the most amusing in the history of typographical errors."

## Justifying Type by Machinery

Mr. Charles W. Felt, of Salem, Mass., has been engaged for several years upon a composing machine that shall not only compose and distribute type, but also justify the matter. He has recently exhibited, in this city, a little justifying machine about fourteen inches long, which can lue adapted to any of the other type-composing machines quite as well as Mr. Felt's. He purposes to commence manufacturing these justifying machines and attaching them to such composing machines composing machine for competition with the others.

The Mechanics' Falr at Lowell, Mass., began on Tuesday and will continue one month probably. There are one thou sand three hundred exhibitors, and the articles on view are very numerous. The halls thrown open cover nearly an acre of ground.

## OFFICIAL REPORT OF Patents and Chams <br> Issued by the United States Patent Office,

for thia week endiva september 17, 1887.
PATENTS. ARE GRANTED FOR SEVENTEEN YEARS the followid
 On appeal toch Commissioner of Patents
On application for Reissue.... of Pate.
On appication for
On exteninting the Extension............
 In addition to which there are some small reven
ot Canada and Nova scotia pay 8500 on application.
(arr Pamphlets containing the Patent Laws and full particulars of the mod applying for Letters. Patent, specifying size of model required, and muc MUNN $\&$ CO., Publishers of the Scientify American. New York.
68,829.-Portable Horse-power.-Hiram Aldridge, Gosh-




 as cescribed.
frtse. The aixiliary removasle, supporting trame, S, applied to the portable
socribed.


 scribed, The diaponal braces or ties, R. R, apolied to a portable horse-power
1toth ',
whichismounted upon and adapted' for being operated upon four wheels,

 3d, The arrangement of the rims or partitions. a $a$ a, water wheels, $D$, an valve, K, substantially as deseribed. Hingham, Wis.
68,831 .- REEL F. A. Balch, Hingher

 8, 832.-Migelow, Lawrence, Mass,, assignor to John and J. H. Kendrick, Prov






 piratus. S , as hrerein described and for the Murposc set forth.
lit, claim the processof preserving eggs by desiccation and compression
fubstantaily as berein described.
 3d, As an article. of manufacture eggs desiccated and compressed, substan
tially as beren described.
8. 183 .-SEWING MACHINE.-C. F. Bosworth, Milford, Conn


 68,836. - LADDER.-MargaretD. Boyd, Buffalo, N. Y.
 together acts at the same time as a step or round for the ladder.
$68,887 .-L I F T I N G$ JACK.-A. C. Brincer, Middletown, Pa .
 iveted boltz, C , as herein described and for the purposes see forth. f .
 pillaf, I, as and for the parpose set forth.
$68,839-$ SEWING MACHINE.-Lewis Budd Bruen (assignor to

 seams, as, described. and thread carrier, M, acting in combination, substan















 the frame, substantially as and for the purpose set forth.
68, 842 . TREES.
 Clancy, Auqusta, Me; , having the gain, C, decreasing in width trom its
I calm
outer to its inner side, and havin the short shoulder, ${ }^{\text {a }}$, and the rounded


 clip, A, having tue packing, a. arranged between the ears, ${ }^{\prime \prime}$ ", on the plate,

 plow, B, and the cutters, C, constructed, arranged, and operating, substan
tially
68, herein set forthand deserbed. IClaim the loop or stide, C, spring, P, and one or both of the ping, d and e,
in combination with tre etrap, A a d a d, allarranged and operated su bstan
inally as set forth, and for the purpose described. 68,847. - Water Elevator. - Pearce K. Curll, Elkridge




 8 , 849 . - NTEAM GAGE.-George M. Davis, Chicago, Ill.
 stantithly as and for tie purfiones set forth.
68,850 . Mode OF PMENMYYMO MEATS, ETC.-E. de la Granja
 Ink, mbstantially as and for the purpose set forth.
68,851 . W ASHING MACHINE.-A. Denison, Stillwater, N. Y.




 8wn and describe da and for the parposes set forth.
8,853.-STEAM ENGINE.- E. N. Dickenson, N. Y. city















 $68,405 .-$ Hay Loader.-Martin A. Dilly, Mendon. Mich.


 carries a winding drum, N. in combination with an osciliating foot treadte,
V, connected and arranged so that the driver with his fort may control the
oscent and descent of the fork in the manner substantially as berein speci-
aseft tent , The guard points, Pr, in combination with the fork tines, $t_{1}$ substantially
4t and for the puppose berein described. as and for the purpose berein described.


 3d. The arrangement of the set screw, k , pivoted nut, n , and the lever, L , in
connection with the clamping heads, and N , substantially as shown and deescribed, and for the purposes set forth.
68,857 . Br .
Iis, Minn. I lis, Mim, 1 st, The combination of the perforated plate, e , with the cock, C ,
as and $A B F$, ub combinanation of cock and trigger, $\mathrm{C} D$, with block holder and slide, 68,858.-Thread Pointer.-E'ijah Eaton, Hartford, Ct

 Iclaim to constructing and proviaing, with slarp projecting points the bar,
A, thatit.
speciice. wll grasp and hold the boop, substantiully as and tor the purposes Also so constructing and providing with sharp projecting points the bars,
B, substantially as and for the purposes speci iled.




 $\pm=\mathrm{F}=\mathrm{a}=\mathrm{am}$ $\mathrm{W}=\mathrm{W}=\mathrm{FW} \mathrm{F}=$

 6th, So construgting a retort, where pither staen or super heated steam is
to be used in direct contact with the oil or other fluids, that there shallbe no
 Chlt, The forcing of oil through a raseinto a retort, into contact with a cur-
rent of supereated steam
th, , he water pipe, K, pas ing back and forth, in combin ation with a hori 8 th. The water pipe, K. Dassing back and forth, in combination with a hor
zontal condensor, substintially as represented in the drawings. 68,861.-TANNERY.-Lewis C. England, Philadelphia, Pa.



 68,862.-BRICK MoLD.-John Evans, Davenport, Iowa.
I claim a brick mold having sididing bottoms, A, and side bars,
moveme the

 and operated as and for the purposes herein set forth. IClaim a trace buckle with a curved lever pressing the trace outward
anainstwo coos bars, titierebp preventing the trace from tearing or break
ina and ing, and preventing injury tothe iorse as ses.-Jorth. Ohio.
clade employment of the solid and chambered weighte, ce, with their
respective devicees for adjusted tuem applied externally to the Whtole arraned and operating in the manner and for the purpose described.
$68,866-H A M E$ FASTENER.-A. J. Foster, Lake Mills, Wis.
 68.867.-COMPOUND FOR DESTHOYING InsECTS.-Samuel Galbraith, Pine Grove Plantation La. La.
claim the composition above described, when compounded and used in the manner and for the pappos specified. S. Garretson, Buffalo, N. Y.


st, I claim conctructung. the pertorated floors in separate, sections, b, ar-
ranted and operating substantially in the manker and tor the purposes set
forth
 tially in the manaer and for the parpozes described.
68,870 .-TOOL HOLDE F FOR $I$ CRNINC LATHES. -Samuel Gis-

 described and set forth.
68,871 . DEvice FOR Hatching the Spawn of Fishes.-
Seth Green, Rechester, N. Y.
 in shown and decsrita
68,872. SrINNING Machine.-J. Hart, S. Hart and J. Rees-








 deasribed acd for the uses and purosessentioned
68,85.






 coistructed and arranged substantially as shown and deseribed.
$68,888$. C ANT Hooks.- Joel A. Howe, Ban gor, Me.
Trlaim the iip i. in combination witt dog, d, substanianly as set torth.
68,879.-STEAM ENGINE SLIDE VALVE. Samuel W. Hudson,




 1orth. 68,882 - Brick Machinv: - (Georire W. Ives, (assignor to him
 Tortrin - CANT Hoor.-Ed ward Jewett, Rindge, N. H.
68, 883 .
 $\frac{1}{\text { Inna }}$











 tithe The form ann diposition of the cutting edges of the drills substantial 1ya, and ior the pisposis described. C. Love (assignor to W.H.Love)



 16 respect to the openings, e, sustantinaiy na set forther Downing),New

 68,892.-INVALDD BEDSTEAD.-John Massey (assignor to him
 2d. The thoped portion, Fo of the foo board constructed as cescribed to 68,893. C Cor Hes Wrivaer.-G.M McMaster, Rochester, N.Y


 68, out. - 3 ricis Machine.-J.. M. Moyer, Pittsburgh, Pa.


 andrortue arasinteat. s,895.-ATACHing ThiLl TO Carriages.-A. Odell N. Y
 68,998 .- - Brick Press.-C. D. Page, Rochester, N. Y




 $\underset{\text { 1st } 1 \text { claim the elevated oven, a and boiler, } \mathrm{F} \text {, when arranged as as describe }}{\text { 68, }}$



 The ,9at, substantilily as specifeed
 as and for the purposes specified.


 ifler. 0 .- Fence Post Pedestal.-J os.Robbins,Amnerst,Ohio



 68,904.- Carniage. - James Rock, Lastings, Enr

 part te, jointed prop bars, 1


 68,905.-Machine For Cleaning Hemp, Ramie, etc.-R






 sorised.-Brick Machine.-Henry C. Sargeant, Columbus, O



 68, 908 . 1st, cclaidm cooling and refricerating and warming, substantially as herei
 zod Cooling condensing, beating, and ref rigerating by means ot the appa-
 Vac,909.-Derrick-A. B. Sprout, Picture Rocks, Pa.




 subatitill a and for the purpose epecitided

 the manner and for the purpose N or or heire equivilents, operating conjointl








保,


 68,916.--SITTTOON FOR Railroad Cars.-Benj. Van Deu

 68,917.-DIVEN PUMPS-- S . Waite, New Bedford, Mass.

 pump, all being constructed and operated substanuialy as and tor the pur
poses. 918 . Torth
bind
 68,919.-Device for Hitching Horses.-W. G. Ward, Steu-
 purposes setifith
$68,90 .-$ Rotary Steam Enaine.-John Q. Welch, Oswego,



 3d. The comoination of the separawr, 1 m , Al . 2 , with the pounder, B , as





 , OliverF. Case), New Haven, Conn
I claim the comblination of the detachable block, $c$, and the bar, $b$, whe
 68,925.-CARRIAGE-curtain Fastener.-Amandus Woeber









 68,929.-FiLE -Hiram Young, Carey, Ohio


 ,irit



 68,933.- WT: 12ow-s.


 cribed. Balirs Press.-S. J. Austin, Freeport, Me





 68.936.-Apparatus for Rolling Rails.-Hugh Baines
 cribedi;-Portable Sheep Shed.-Wilson M. Baker and



 B8, Ward STEAM ENGINE. $-W \mathrm{~m} . \mathrm{H}$. Bancroft and Wm . L.










 Brown) New London, Conn isael F. Brown (assignor to E. F



 68,945.-WATER WheEL.-James D. Bryson, Newcastle, Pa.




















 B8,949:-MAcofine For Roviving FTX NET STRAPs.-C. K.





















 Inthe maner asand of the eurpose ed orth. putraid ther fanane, 0 . to the horn wheel, $A$, subbtatatially as and for the desefrobed. - Conbined Hoe and Rake.-Isaac Cook, Haynes-

























 Dimond Bridgeport, Conn.
tantially as described for the parpose of locking turning slats in position as 8., 968 . - Ice Cream Freezer.-Francis H. Duc, Charleston
1st, claim

 68,969.-HAND Looms.-Thomas A. Dugdale, Richmond, Ind
 3d, The combination of the wheel, $K$, and sliding pieces, $P$ P, and shafts,
Aand A5, and springs, S S, when ar raged constructed and operated sub-8,970.-Carriage Jack.-Joseph F. Emmert, Quincy Pa

 68,971.-GARDEN Tile for Bordering.-F. B. Fancher
 68,972.-DEVICE FOR Rounding Lines.-L. B. Gates, Ban


 astening $w$ ires. 11 , substantialy as described, for the parpose speciifed.
68,974 -STILL FOR REFINING AND DISTILIING OILS.-Sam



 craper, b, and hor izontal adjustable frame, regulated by ha gerews, gg, an
rovyited with the plate, D , when used in the manner and for the purpose 8,976.-Portable Field Fence.-E. C. Goddard (assign-

 68,977.-Dumping Cart.-N. W. Godfrey, Locust Val., N.Y
 eembination withthe screen, e frame,when an constracted and arranged
e8, 978 . - Onbstantialla an and or the parpose described.
Concentrator.-Lewis Goodwin, and S. A.

 tine in the rimes and movabie bard, to atatinlly as described.

 thibe. We cla in the above described parts, when employed separately or in
5th 68,979.-BAROMETRIC VACUUM Exhauster.-James Gordon,


 68,981- W Ashing Machive.-D. Hanna, Hornellsville, N.Y.
 , in the manner berein docritit for the , purpores set forth. Port, Ohio.



 tht, claim the combination of the curved beam, A, shoe, E, and shovel, $F$,
when the ame arc constructed and arranged sulbstantlall y as described.

 fally as described, and tor the purpose ect fortb.
68,983.- WAGON.-L. D. Haivey, Harvey, Mich.
Iclaim making the tongue hounds, A A, with the cross bar, a, and tabalar
ad, h, all out of one solid piece, substantially as and for the parpose de-68,984.-EGG CUP and ToNGs.-C. Hellen, Washington,D.C. I clalm the adjustable me tallic egg cap, A, with, its spring point, B, and
base, C, combined with the tonge, D , as herein deecribea, and for the purpose
et
68,985.-Cupping Apparatus.-W. D. Hooper, Liberty, Va. 19t, clám cuping device, baving a series of tabalar blades arranged
 68,986.-Brick and Tile Machine.-James Hotchkiss, and


 gether sabstantially as and tor the parpose herein specifiled.
68,987 . -APPARATUS FOR HEATING WATER AND GENERAT-

 and flies, for the passage of the flames and heated air.
68,988 . Iciain the combination of the plate, A, interlocking springs, a a a a a, or
their equivalent, and the serews, b b, in the manner substantially as and for
the purpose hereln set forth. 68,989.-Engine Piston.-Nathan Hunt, Salem, Ohio

 shown and described
68,990 - CHECK Hook.-J. H. Jones, Williamsport, Pa

 pribed, in combination with the lower ende of the inclined braces or sup
portt. , as and for the parpose set forth.
N. Y . Horsting APPARA TUS.-G. B. Keeler, Port Chester






 8,996.-G GRa IN DriLL--Elijah Lake, Davisburg, Mich


 88,997.-Rairroand Station Indicator.-George T. Lape,

 ,


 69,000.-SuRMARRNE PLow- -E. T. Liiqon, Demopoliis, Ala.





 as the fre efral springs, e, irranged to operate apon the presesure rolls, b ,
























 69,007.-Liquid and Gas Meters.-Joshua Mason, Paterson,




 for the patiocal: specified. 131 I ${ }^{\text {I claimim the combination and arrangement of the wheel, C. frame, A, handles, }}$
 69,010.-Weather Strip for Doors.-J. H. Miller, Mil-
 fialy as and tor the parpose aesicr:sel Spade.-W. H. Miller, Branden isurg, Ky. ad, 1 alise 1 ciaim the triangular tines, A , in cross section, substantially as
and for the parpose specified. 69,012. The ThREE-WHEELED VEHICLE.-John W. Minor and
 other, sabstantialy as and forthe parposes hereln siown and escribed. for
Rat We claim the thange, projectin from the rimo the cylinder for
fastening on the outside and forming alip on its inner side, substantially as sd, Wh ellaim the wheel, F, attached to a three. Whenele vehiole when the
said whelis attached to a horizontal section of a oylinder which has tree
horizontal motion, substantially as described. 69,013.-Apparatus for Drawing and Preserting Malt

 Claimhe construction of the expanding rollers, C, provided with beads
Iclat. TVBE












 $69.020 .-T r d s s .-W m$. Pomeroy, Brooklyn, N. Y.

 purpose set rorth biv, H21.- CLTHES Hook.-S. S. Putnam, Dorchester, Mass. Meratiry bubtantialy as described for the purpose set forth. 0
 d,














 $9,029 .-$ Cinven - M. V. B. Rowley, Worcester, N. Y.






















 seef fortu
69,037 .
$\underset{\substack{\text { Brool } \\ \text { Bron } \\ \text { wit }}}{ }$






69,039.-Fire Alarm Telegraph.-Joseph B. Stearns, Bos-











 as deseribi.- Bediting for Driving Machinert.-M. A. Strou-
 prepared substantially as hereim described:
69,043 Prisin DIINFECTING COMPOUND. - Ernst Suvern, Halle,
 69,044--Shaft Coupling.-J. W. Taylor, Oshkosh, Wis.







 69,046.-WINDOW SASH. - Robert Thomas, Parkersburgh






 and or the pirpues specified ${ }^{\text {and }}$.




 1st, I - Folding CHAIR- - E. W. Vaill, Worcester, Mass.

 69,051.- Boot HEEL.-Robert Yandervort, Pitsburgh, Pa.


 Sa,



 69, $55 .-H E A D$ BLock FOR SAW Milus.一Titus Whitmore,Du



 69,057 .-STEAM Pressure Gage.-C. A. Wilson, Cincinnati,
 69, 558 , , Thace thin PAD Buckle.-E. B. Winslow, Chat

69,059.-Washing Machine.-J. W. Woodruff, Watson, III





,765.-Lantern.-Wm. Westlake and James F. Dane, New



,766.-Lantern.-Wm. Westlake and James F. Dane, New



Note.-In the above list of patents, Fifty-selv

## PENDING APPLICATIONS FOR REISSUES

pplication has been made to the Commissioner of Patents for the Reissue of to oppose the grant of any of these reissues should immediately address MUNA \& Co., 37 Park Row, N. Y.
20,534.-Apparatus for Mandfacturing Gas.-John Ab-






 hamber, , and air pipe. J, arran eed together and operating air biptantialiy as





 orth, in combination with the lever.
 2,725, whole No. 33,729.-MEANS OF SEALING Presererve




 9,387. -MODE OF THROWING SHUTTLES IN Loons.-Stephen



 , thi,
 by the regular successive depression ot the treadies, $1,2,3,4$.
$65,963 .-$ SLEEPRING CAR.-John Swan, Baltimore, Md.
June

 erths or state roomsm, asan for the parpose set forth.






 rguard plate, E, when arranged in position above the aforessid located fuel
oorway, B. of the fire box thereof, and about opposite the combustion or











 gear, substantially as described. WEAVING CORDED FABrICs.-William Smith, New

 9,653.- Weaving Corded Fabrics.-Wm. Wmith, New York
 I867. Division B.
I calim the fabifen, the same being formed with center warps, in
closed by the weft threads that are held upon the surface of the center warp

