
[Heported officially for the Scientific American.] LIST OF PATENT CLAIMS Issued from the United States Patent Office for the week ending august $11,1857$.
 ner deverived.
I clam the combination of the thill frame, I, with the
cutter frame
Fut, when said frames are constructed and






I do not, therefore, claim any such agency, and what.
ever contrivances may have been constructed bs the use
of bobs or pendula ever contrivances may have been constructed by the use
of obs or pendulums to convey the oit the to tounnal.
ond moved in any manner by the motion of the cars.
 revervoir to the journal by the use of the piston, as de-
scribed. which is moved direty by the jar or concusion
when the car or locomotive is in motion, without the id

 pliaced eccentrically to the disk upon the under surface
or rupon the edseor the disk. and having a curved edge
ofor cuting the log in the line or direction of the edge of
the knife. the knite. The ibrating of the log. by means of tho log
Secord.
box, arms, , cams and toos, connected with the rotation of
the shaft of the disk, as described, so as to present the
 passex, and by a continuously varying line of cut or
strok.
Third, I claim the manner of constructing the log box
with the morable bottom,composed of the cell and cl mp with the emoabbe botom, composed of the cell and cle mp
pitect for holding, shiting and adjusting the boxes de-
scribed. scribed. I claim the combination of the log box and
Fourth. I
feed apparatus operating together, as described.

 Second, The chambor ropitio. of the levers, B C and C .
Sith beam, A, and rod e. operating asdescribed, for the
purpose or opening and closing the dredge, as described.

 [This relates to the holding of glass botles, lamps,
bowls and other glassware during the manipulations necessary in their manufacture. It is a very convenient
device, and far less liable to break the ware than the means usually employed; further than this,
fails to hold all articles exactly in the center.]
 hertor I claim a series of cutting edges with doep inter-
Bening furrow. for the purpose of hulling cotton seed by
veuting action, which renders both the screening pro.
a cution vening furrows. for the purpose or hulling cotion nied pro.
a cutting action. which renders both the screening pro.
cess and the expression of the oil easy and complete, as
set fior th.


 gear, G, in combination
necting arms, I and J. W.
set torth and described.
 maxter wheel. A, by means ot the mech manism construst.
ed and arranged in relation to the main frame and mastor
whel of the machine, substantially in the manner de-
acribed.
 constructed as described, when operated by the devices
arranged in the manner and for the purposespecified.


 f. and fanchese, e, in combination with the horizontai
plates, d, within the eproirated case, A, substantially as
shown, for the purpose set forth. [By this mill the grain is thoroughly scoured, win-
nowed and cracked. The shaft is apright and hollow. and provided with both annular flanches and beaters,
which travel between annular flanches projecting inwhich travel between annular flanches projecting in-
ward from the interior of the case. The feed is regulated by a slide, and the mill works very rapidly, and occu-
pies but a small space.]

 the sides of the groco are dovetailed, as described.
whereby the cutan is securely hold to its roller withMARUPAC TURE OB Sulphurio Aoid-Alfred Mon-






Surps Capstaxs-Samuel Huse, of New Fork City
I am a ware that captans have even arranged to give
more rapid motion, or one with increased power, by con


 in combination therewith the movable pear plate. $\mathrm{G}_{\text {a }}$
contructed substantiall as described, and worked by
pinion on the lowwer el of of





 co special ever arrangements described. to errect said
communication of motion or power.
But I claim first Operating the clutches. $J J^{\circ}$. of the
driving wh eels by the same parts by which the te
 teering wheel to the right or left, substantially as sel
Sorh.
Soco
 when constructed. combinted and onerating in obnnection
with the inion, E, and the cluthes, Jt. substantially
as described. and for the purpose set forth.
 axle for the purpose set forth.
Shrps
do not claim maks - David Knowlton, of Camden. Me. neans of a combination of gear. ratchets and pawls.
But I claim, in my improved capstan, the combinatio
of the But I claim. in my improved capstan, the combination
of the gark, at the botom of the taptan (when mad
and applied so as to bo rotated or be made fast alternate


 FAucx $T-J o h n$ C. Macdonald, of Cincinnati, Ohio:
claim the arrangement of the valve stem. $\mathrm{H}^{\circ}$, the nut.
 LThis is one of the for
ovelty consisting in a peculiar screw, nut and guideby which the valve stem is prevented getting out of line
nd the valve surface is kept true to its seat. Great fa cility is also
necessary.]
 chambers, $\mathbf{B}$ and $\mathbf{L}$. with the friction surface of rolliers,
D. E and $\mathbf{F}$, for proparing and dy inn the material, the
whole being
scribed. LiEAEAGE ALARM-G B. Massey, of Mobile. Ala.:
claim he aransement of the parst
cited relatively


 [In this device, a float within the hold of the vessel is
of connected to striking apparatus and to a dial and regis ering apparatus, that by reference to the two latter the true depth of the water in the hold may be ascortained.
and also the rate at which the surface of the water is ris ing or falling. while the strik ing apparatus. by acting o a bell attached, gives instant warning when
rises to such a hight as to demand attention.]




 ing block affixed to the cross tree thence the the then
therefrom and fastened to the topsail yard.
But I claim my arrangement of reef tackles described,
the same consisting in fastening the said reof tacklos to
the sail at or near the reef band, thence leading them

 waw them and thence leading the ree
ward and fastening them to the topsail y
its substantially as described.
Fildration Press-Wm. Nedham and Jas. Kite
of Vauxhall, Erg.
of any of the parts. taken as parts of the exclusive use
 describedad forming apparatus or ma mheninery for express
ing liquids or moisture from substances.
Bathing Apparatus-John K. O'N

the C Connections.
But $I$ Ilaim the combination of the annular pipe. E, or
it sequivalent
is $\sin$ equivalent,, operating gubstantially in the manner and
SAUSAE CO



 the gas fa
chameor
second
scribed. d. The canister, with the vent holes above de-
by which Itale the gas from the enater of the
thh ih Iaxdending down to or near the top of
tholes.


 Operating Car Brakes-E. R. Roe, of Blooming.
ton. Ill. I Iclaim the combination of the in its connection with the arm, $\mathbf{E}$, and the pin, G, and
operated as described by the cams and pins in in onnec.
tion with he whel,
he purpose described. in the manner described, and for

 being attached to a rotating shaft, B, and communicat-
ing with a pipe. G. which is conneted with a fan box
H,
He the whote being arrange sulstanially as described [The mashing rake is holl
ritable blow and air for into it by quid co of the hollow teeth, and rising through the $y$ rapidly
Graiv Mills-O. W. Stanford of Cincinnati, O.
do not wish to be understood asclaiming any particular


 ion givento the platod, and when arranged with each
tion and and operated in manner and for the purposes
othown in the specification. Winvowing Mills-Manassah Grover. of Clyde. O.

 rangement with reterence to the awl and peg wood
arrier, and provided with one or more rantes of holes substantialiy as described, the awl bein inade to work
at an inclination to the a axisof the feed whel or from the
axis towards and through the rim of the wheel as de-
scribed.
 teeder wheel, the lattor not only assisting in feeding the
shoe along by the prosssuro and action of the ranses of
tapering holes. but in holding the shoe in position while
 not claim the invention of movable cutters ; nor do I
clajim the employment of doult threaded screw for
adjusting the distance of a lip and cutter as shown in the

 Filter-J.A. Thompson, of Cayuga, N. Y.: I do not
claim the or dinarv cask filter with pot or reservir with
 But I claim the combination of the receiving vessel or
upper filter. the reservoir with thange or rime. and at and
tachable air and draft pipes to same, substantially as tachable air and draft pipes to same, substantially as
described, not contining mysyelf to any particular mode
or material which shall produce like effects and re-
oults. STEAM GAGES-D. G. Wells, of New York City: I
clam the use of a flatened tube when constructed and
arranged in layers. substantially as described, and for he purposes set forth.

 rentent in construction from mine. are used for a dite.
rent purpose and opperate in a different mannor. No
air would onter through the fine apertures. of their
burners. My kettle forms a highly useful household ar ticlers. and is not dependent tor its operation upon a pres
suro
1 claim al as a a new article of manufacture a tea kettle ade as describec.
The object is to economize fuel by making the hea
of the fire more intense directly under the kettle. The vention consists in constructfng a tube entirely through a perforated chamber below. The fire may be either in this perforated cham
the whole is placed.]
 TRY SQUAREs-Jool Whitney. of Winchester, Mass. :
Having thus fully described the construction and opera:
 desire to secure by Letters Patent.
I claim the fattened pin, working in the slot, in com.
bination with the eccertic pin, aranged dubstantially in
the manner and for the purpose described. he manner and for the purpose described. voted and operating in the manner substantially as de-

Polishing SToNE And Glass-G. H. Wood, of Green
Bay. Wis: I claim the polisher. F. supported and oper--
 arriage, K, when the whole is a rranged
ointly as shown for the purpose specinied.
[There are two motions to the polisher. one being an ordinary rotary movement, and the other a circular
raveling motion of the axis around a center or other article to be polished is mounted on a bed other article to be polished is mounted on a bed
which is moved with a reciprocating movement. The


 ton.















































Hosriwo Wixurg ron Sur Borp JJol Ryant
 minish the number of wheols, blockt, shea yes or pullerss
or to change their relative position within the elegtivale
scope of my invention as necossity may require or ex.



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Inventors AND PArnific American are mind that the most extensive American and European Patent Agency in the world. They have offices in New York,
Washington, London, Paris and Brussels, through which they prosecute applications for patents upon such term as have not failed to bring them a business in extent far
eyond that of any other agency in this country. This clearly shows the confidence reposed in them by inventors vertise, by which the business is to be done. They proceed
ver according to lawia and they have found that, after an ox
perience of nearly twelve years, no other system, how perience of nearly twelve years, no other system, how
over peculiar, can equal it. Inventors should nevertrus hair business to inexperienced persons. If they wish to ould be cautious to employ agonte experienced in th
businass. Circulars of information rent freo

