## Sicutific Ancrican.



Issued fron the United States Patent Omce For tie wrek inding febreary $9,185$. Reported ofricully for ine Scientifico American.]





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action of the surfaces between which it is clamped, has


 $\underset{\substack{\text { and op } \\ \text { forth. }}}{\text { and }}$




















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Which latter ore operated by the motion of the bed-
phate



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scribed.










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levers the the keys and forks so so to tump the forks on
tweit















 tialy as described
$\stackrel{\text { [For }}{\text { unn.] }}$


 [The object of this invention कto to admit of the eashe or windoivs being removed from their frame or casin
without detaching the stop strips or parting beads ; thi is effected by the employment of a sash, divided anid hinged in the center, and also provided with a cat oh, so
that it cannot come out by accident, hut can only bo removed by a person whoreleases the catch.]

 rumner, , ,t whatever spped the latter may bedriven,
substantiall as, and for the purposes set forth
[For description of this invention, refer to another page.]






 [For further info
see another page.]

 set forth.

















## $\underset{\substack{\text { dic } \\ \text { by } \\ \text { as }}}{ }$

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Jotrts for Sinez Metal Roore-Stephen Scotton,







Tor the purpoese set forth.
TThis washing machine consists of an elastic frame, and a corrugated or futed rotating cylinder, which
vork tosether. A full description, with an engraving work tosether. A A full description, with an engraving,
will probably appear in a future number of the Scr. An.





 In size from one ent to the other,or that vary in iamee
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We a lso claim the hollow lirush. $k$, standing on the further side of the chamb

 lar in inneranance tonan orrianary smanl boat, the whole
coi stuucted substantially in the manner described.

 proiect over the oute er thin ends of the
[This invention is designed to prevent the ruffing or
turning up of the outer ends of the laps, which is generally caused by the friction uroduced as the joint passed over pulleys, clains, \&c., and also to prevent the cutting of the outer ends of of the laps by the heads of the
ivects, in case the cement loses gives way, and the connection therc byis thrown entireIs on tho rivets.]

 [This is a nev and improved cutting device for harvesters, consisting in having a series of cutters sttached
to a bar, the ends of which are pivoted to pulleys, hav ing a chain or belt passing around them. The pulleys owins to the peculiar movement of the bar, which is actuated by the pulless, work with a curvilinear motion fixed to the fingers. The object of the invention is to provide a cutt ting device that will work witha small ex penditure of power, and one that is not liable to become
choked or cloged, and that may be driven with an easy motion without any jarring or vibration of the machin
 rinht piece, Fe the whole beiog construtcted, operated
nod
forth.
 the mold-board, for the purpose of leaving soil over
hanging the furrow, as such device broadly considerea


 $\underset{\substack{\text { and } \\ \text { forth. } \\ \text { 2 }}}{ }$






 [Full particulars of this invention will be found in
 combination with the statio
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substantially as the ecristict.
and

 ing cutters and spurs arran ged with respect to the bor
or cuvity substantially as specifed.




 Cane Gun-John F. Thomas (assignor to himself and




 and iti, rod substantially in the manner and for the
aurposes set forth.












 first, The method set forth1 of discharting seed firm an
How or drill by means of the anchored chain, $i, k, k$, or




Emigration to the United States and British North Antrica.
From returns furnished by the Government Emigration Office, we learn that in the March quarter of the year 1857, 53 slips, of an aggregate turnage of 73,360 tuns, left Liverpool for the United States, carrying 273 cabin and 16,453 steerage passengers ; in the June quarter, 90 ships, of 126,517 tuns, with 632 cabin and 45,311 steerage passengers; in the September quarter, 52 ships of 75,325 tuns, with 828 cabin and 53,111 steerage passencers ; and in the last quarter, 37 ships, of 53,033 tuns, with 376 cabin and 10,611 stcerage passengers-making an agrgregate for the year of 232 ships, 328,235 tuns, conveying 2,108 cabin and 95,486 steerage passengers. hips, of 12,211 tuns, with 6 cabin and 4,818 stcerage passengers; and in the September quarter, 3 ships, of 2,990 tuns, with 6 cabin nd 1,083 stecrage passengers-making a total to Canada of 15 ships, 15,201 tuns, carrying 12 cabin and 5,901 steerage passengers. To New Brunswick, 1 ship, of 966 uns, was dispatched in the June quarter, with cabin and 70 steerage passengers.-Exchange.

## Russia made to Pay up.

From the Baltimore Putriot we learn that Thomas Winans, of that city, has recovered a claim of five million dollars against the Rusian government, which makes his share of the proceeds of freight and passenger travel over the railroads of that country, scventeen millions of dollars! It seems that in his contract with Russia, he was to receive a percentage on all freight and passenger travel on the railroads of that country, and the government thought that there was no necessity to pay this tax on the soldiers who were car-
ried to the Crimea during the late war. Mr Winans thought differently, and employed J. H. B. Latrobe to prosecute his claim in a legal way, which he has done, and succeeded. We understand that Mr . Latrobe received a fee of $\$ 10,000$ a month, independent of expenses, and when he reached Baltimore he was preVind with a check for $\$ 100,000$. Mr Vinans has purchased a tract of land with water front at Canton, where, it is said, he is going to build a number of magnificent ves-
sels of war for the Russian government, having sels of war for the Russian government, having
just made a contract with them for the work.

