## Sicintific Amercicant


[Reported 0eficially for the Scientibc American.]
LIST OF PATENT CLAIMS Issued from the United States Patent Office for the week ending june 6, 1854.

 and lay long loops betwen certain of the said needlees,
so that the may bentered and cauht ba set of fib
needies workiag paranlel or nearly so, with the frame

 made in the heads of the wide jacks, to prevent their
being operated upon until the wid part of the flu
comes in contact with them and allow only the narrow
jacks to be operated upon by the narrow part, as set forthird, I claim the movements of the two sets of needles


 scending together to carry the loops through those pre-
viosilizormed.
Forth arranging the rib needes at suah a distance
from the front needies that their upward motion will not carry them through the loops and springing their ends
forward to the requisite position fron this purpose by
means of a press $r$, constructed, arrangei, and operated as aset forth.
Fifthing tach the head which carries the jacks, the
sirf, and the thread carrier, to a frame which is cap
 and afford \&reater faciilty for their adiustment. for the
running on of the quarter and for hie repair of any
damage to the mactine or to the web. [Thisis an excellent invention. A descripti
may be found in No . 27, present V ol. Sci. Am.]


 ges leading to the ports, as described.
Third, 1 claim contining the equilibrium. table or its
end











 side and ourside cleansing brusines, in combination with
the revolvig cone and inside and outside branch pipes
of the elevatud reservoir, the whole veing for thepur.



 Firth, I claim arranging a spring between the supply
stem and the side strip ot the brust frame, for the pur.
poose of expading te brush asit enters the body of the
bottle, as set forth. [This novel invention isillustrated on page 281, Vol. 8, Sci. Am.]
 depth of the ocean.
[This application for a patent was made in the month
of June, 8853 , and thecorrespondencewhich has passed of June, 1853, and the correspondencewhich has passed
between the Patent Office and the Attorneys of the inventor, during the past year, would fill a medium-sized
pamphlet, and we believe would interest and amuse the pamphlet, and we believe would interest and amuse the
Inventors of our country more than any publication Inventors of our country more than any pubication
which has been issued for a long time. In a word,
"much ado about nothing" has been made over this "much ado about nothing" has been made over this
case, while substantially the same claim is granted that was at first subm itted for examination

 1852: 1ao notcaim secmiar an upper tier with numer
the main hambers, forming and
ous apertures through wion hea passes rom below.


 lating and controlling the heatin it
imgit to those parts of the epprt
may be most required, as speciped.





 provement is the double rail in combination and use,
with whenel having tread or bearing on each side of
the fange. as described.















 and held in
as specited.


















 ine latuerr.
Macrine











 clarieno ar arrangemg
manner set forth.

$$
\begin{gathered}
\text { Am.lee } \\
\hline \text { [iee }
\end{gathered}
$$

 handins the planing getters to the vibrating arm, orits
extivalent. as set forth.
and






 | $\substack{\text { them is } \\ \text { center. }}$ |
| :--- |






 Waifzt Tress-F. M. English. of Hopkinsville, K
 set forth.


 with one then iviviing into two, and dhen gubdiv
into four or any other number, as deseribed.








 ${ }^{\text {inf }}$ is2 specification of his seed planter, patented April1


















 [This invention is noticed in No. 32 , this Vol. Sci. An
and is a counterpart of the Amalgamator illustrated $i$, No. 15, where this part of the in invention is is shown com
and





 ly solad.I Ialo claim the movable bushings applied to
ali the differen sized cylinders required.











 arranged and oper
stone, as set forth.





 Ruticlaum the combinition of a spring reach of the













 Tas: We do not claimany improvement in the outside







 Ioteded, opened, expanded, and Inoished into the desirel
shape, as described. [The Examiners have worked well the past week, and mer months, they will have cleared off the old cases to such an extent, by nextfall, as to merit-and they wil
receive them too-thecommendations of the whole my of inventors in the United States-
It cannot be that our proposition to take a branch of
the Patent Office in New Y ork to manage (vide No. 38 Sci. Am.) has prompted this accelerated action on the complisied : and now if they will continue as active, we willprg wis the 0 oflog to remain consolidated withou,
further advocating the opening a branch in this city, Balloon Ascension.
John Wise, the veteran aeronaut, made his 163rd ascent from the Crystal Palace yard, in this city, on Friday, the 9th inst., at 3 P. M. The day was squally, making the voyage of the bold balloonist dangerous, but with his usual intrepidity and skill he made it successfully, although he lost his balloon. He deconded below Flushing, L. I, and jumpe down 40 feet to save his life.

Miss Elizabeth A. Sawyer died at Valatie, N. $\mathbf{Y}$., last week, from the effects of poison, communicated to her system by some yarn, which she placed in her mouth, and which came in ontact with a sore.-[Ex.
[Some colors are dyed with arsenic. •Thus he beautiful light sea green on cotton is died with arsenic, sulphate of copper, and caustic alkali. The yarn of this color is poisonous.

Assam Tea.
Some years since an English company underook the culture of tea in the country of As sam, situated between Bengal and China, on the waters of the Burrampooter. The London papers state that this company has now under cultivation 2,115 "poorahs" of land. Their last crop of tea amounted to 366,587 pounds, or an increase of about 95,000 pounds over that of the previous year.


They are building a willow dock at La Crosse, Michigan. It is constructed entirely of willow wigs, about twelve feet long, bound in bundles ne foot thick, which are so ingeniously ar ranged and woven together that it is impossible or the sand to work out or the water to work in. Each bundle contains about one hundred mall trees, and it will take fifty thousand of

