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 Res ustantantily as satacd




 soparately wrought and fastened together, subatantially
as deacribed.
Sorrining Lenirurr-John B. Wentworth, of Lynn,
Mass. Ido not claim boarding akin by doubing it and


 I, also claim the napping or filing mechanism, or roller,
M, and bed. in combination with the boarding meehan:
ismand the holding and feed dollers thereof.




 Sion, and the master wheel shaft being riyidy connected
with main frame to change the anglo of the fingers
and cutterswithout moving the finger tar from the ground Belt FAstenings-AbnerWhitely, of Springifild, O;
I claim the hook, B, made as described, for the purposes

 new mechanism which is very simple in ite construction
and effcient in operation, ne possessing docided a avan.
tage over most ifnot allo others in use to effect such a re-

 I claim to construct the upper box of writing dests w with:
adjustable or expanding sides, in the manner and subtan-
$t$ ally as epecifid.


 Seand, I claim the priming tube, m, combined with
the stationary priming masazine.
herefor to take a new priming
 he magarlne. when the lever is raised to unlock the
breech, ubstantial as desribed.
Third the combin


 shoc. 1 .him the use of the staples, D D. in the manner sub.
stantially andescribed. for the purpose of attaching com-
position soles to boots and shoes.
 giving, a atoral moverient on either of the edde cutters by
any suitable arrangement of mechanical devices, while the board is beting fed through the machine, so as to adapt
the edge uter ato any taper ot the board.
Becond. I I claim arranging the box or tearing of the




 bination veing arranged substantialy as set 1orth, and
the porpore permiting or checking the operation of
said welght, i , upon the silding guide bar, d'. as specified.
 described. Whereby 1 am enabled to use a solid lip, and
avoid all leakazae.
ing docond I claim the open slide, as described, for avoid-
ing dame as ase forth.
 manufacturing of ornamental foltrabrics by placing loose
woven or knit felting or shrinkint rabriss of any color or
desisn upo the surf
 the manner subst antially as described. to form an orna
mental felt fabric of the character and quality described
for the purpose iet forth.


GArxs-H. E. E. Weache, (assignor to Robt. Wood.) of
Philadelphia, Pa.

## Calforniz Items.

CosL-A coal bed has actually been dis covered, and the coal thoroughly tested inSan Francisco. The locality of the mine is 30 miles from Stockton, on a spur of the Coast Bange mountains. The steamer Cornelia tried a quantity of the coal in running down and up San Francisco Bay; it burned with a clear flame, and produced very little ash. There are at present six men engaged in mining the coal
The vein at first showed a thickness of 14 inches; but now, at a depth of 16 feet from the surface, ithas widened to 3 feet 9 inches It is calculated that this coal can be mined and delivered at San Francisco for $\$ 7$ pertun These coals can be run down on an inclined railroad to the city of Stockton, without the use of engines; the weighted cars going down on one side on a double track, can draw up the erupty cars to the mine by a rope on the othe track. Coal is more useful than gold; therefore this discovery will prove to be of grea value to the Pacific States
Table Mountain Gold-Tunnels have been runinto this mountain to reach what is sup posed to be the bed of an ancient river, wher some rich gold deposits have been found. The tween steep banks. Lava from a distant vol cano flowed into the river bed, fillingit up, and then rose like a wall above its banks. The course of the river was thereby changed. The amount of labor and expense requisite $t$ tunnel this old mountain varies. Therimrock is harder the lower down it is worked, and i the tunnel is too high for the bed of the rive 1 in the
lost.
Large Artesian Well-In the city of San Jose there is a splendid large artesian well in one of the streets. It is formed at the topint a basin, six feet in diameter, and resembles huge bowl. The supply of water is large, it is street.

## Explosion-The Stockton Republican give

 an account of an explosion which recently took place at the flouring mill in that city.The accident was caused by the collapsing o a flue of the boiler, and the boiler, 40 feet long house, which it demolishedNew York Dooks.
A city which is now the third shipping port in the world might be able to afford respectable and convenient docks for the use of its shipping. This is not the case with New York city, at whose wharves are to be sect forests of masts belonging to the ships of all nations. The Mayor, in his late Annual Message, directs the attention of our citizens to our miserable dock architecture, and gives our merchants a well merited rebuke for their indifference and neglect in providing proper dockage. He says :-

We present a singular contrast, in this re spect, to every other seaport of any magnitude known to ancient or modern commerce. Th quays and docks of London, Liverpool, and in dced, ncarly all the English ports, are firs class, and even our Canadian neighbors excel us in such works.
"At St. Petersburg. in Russia, there is one granite pier of four miles in extent. At Havre the docks are the principal structures of im portance, having cost immense sums, and ar justly the pride of its citizens. Indeed, there is not a city of Europe, possessing navigation, which does not surpass us in the necessary provision for the proper convenience and protection of its shipping." How true all this is : it makes us somewhat ashamed of having boast ed of the enterprise of our merchants. Our docks are a disgrace to our city; but we mus put the blame on our merchants, for if they had moved right in the matter we would have had good docks before this.
Atvarioustimes for years we have directed atten tion to the building of stone piers and docks, and the erection upon them of fire-proof storehouses or sheds for the protection of merchan dize while being shipped and unshipped during rainy weather, but no attention seems to hav been paid to our suggestions. Peter Cooper has proposed to employ the city poor (those who are able to work) in quarries, getting out stone, for building docks. This is a good idea, and would, no doubt, effect a considerable saving of city funds. But will it ever be carried out? The plan being a good one there does not appear to be any doubt of its not being carried out.

## The Cold; the Cold.

The past month and the beginning of this one will be long remembered, in the annals of our country, for the intense cold experienced over such a wide extent of territory. Away down in Texas the river Brazos was frozen over, and the ice so thick that teams were crossing on it. In Virginia the snow was deeper than it had been for 60 years, and the cold was so severe that great numbers of birds, and wild animals perished. At St. Paul, in Minnesota, the thermometer had ranged from $20^{\circ}$ to $40^{\circ}$ below zero for three weeks. The atmosphere there, however, was dry and still, and persons did not feel the cold more keenly than those in New York, where winds usually prevail during cold. In Cincin nati, the thermometer was as low as $18^{\circ}$ be low zero. On the borders of Tennessee the thermometer was $5 \circ$ below zero on the 23rd alt. The cold in the city of New York has been very moderate in comparison with that experienced in some places further south and west of the Alleghanies. On the morning of the 22 nd ultimo, the shores of the Bayou Lafourche, in Louisiana, were margined with a sheet of ice, six feet in width. The " oldest nhabitant" being consulted, declared tha such a thing had never occurred before. A portion of the ice was two inches thich. S says the Thibodeaux (La.) Minerva.
We are indebted to Hon. George Vail, M. C. or useful public documents. We hope Mr Vail will be prepared, when the proper time comes, to lend his valuable assistancein bringing round the much $u$ eeded reformin our present defective patent system; and also to resist the Woodworth Patent Re-extension wheneve it comes up for tangible action in the House of Representatives.

## The Persis

This large new iron steamshiparrived on the th inst., after a stormy passage of fourtee days. We have not had time to visit her on going to press, but will be able to do so, and present a descript:on of her engineering arrangement in our next number

