## FOREIGN NEWS AND MARKETS

The Sheffield steel trade continues very active : this is owing to the adaptation of steel to several new branches of manufacture. The casting of steel bells has become quite an extensive business. One firm in Sheffield has made 1,300 during the past six months, and some of very large dimensions are about to be cast. Steel is cheaper than regular bell-metal; and as it is much stronger. less metal is required in a bell. Kettle drums, for the British army, are now also made of steel, and they have attained considerable success.
Statistics have been collected of the destruction caused on the coasts of England by the hurricane which took place on the 24th of October last; and the disasters appear to have been the most numerous on record. There were 325 shipwrecks, and 748 lives lost.
Batteries of the Armstrong breech-loading rifled cannon are being manufactured with great rapidity No less than 30 of these guns, some of which are of large caliber, are being sent with great despatch by the overland route to China.
It is proposed to build a monster hotel near the nld London Bridge, having 250 sleeping apartments. The returns of the different railways which have theitermini at London Bridge, show that not less than $18,000,000$ of persons travel annually upon those lines. This hotel, however, will not equal, in size, some of the largest ones in New York.
A farmer-Mr I. Cutts-in the county of Essex England, lately opened up, for public inspection, a larga building like a factory, for doing the inside work of the farm. There is a steam engine in it of 12 -horse power, which cuts the hay and straw: grinds the meal, mixes the food for the cattle, and conveys it to the stables. It also threshes the grain and drives a circular saw At the end of the building, there is a piggery and apparatus for steaning all the pig and cattle feed. The food for the animals is conveyed on iron trucks, which run on tram rails, and traverse the building. The cost of the structure and machinery amounted to $£ 3,000$ (nearly $\$ 15,000$ ). This affords some evidence of the perfection to which indoor farming operations has attained in England.
The French government has just opened a free school in Paris to teach the youth of both sexes the art of drawing and engraving on wood. One of the most eminent painters in Paris has been chosen its drawing-master.

At the Gobelins' factory, in Paris, there are finishing a series of portraits of eminent sculptors, painters and artists of the sixteenth century. They are to adorn the gallery of Apollo, at the Louvre.
At all hours of the day and night there aro persons in the thoroughfares of Paris who keep a record of the number and class of vehicles which pass. As the streets are macadamized, instead of being paved, the object of keeping a record of the vehicles is to ascertain the amount of weas they exert upon the streets.

There has been no change in the British metal market since our last issuc, excepting that pig iron was somewhat more active, at former ruling prices. Cotton, in Liverpool, had been rather flat.

## NEW YORK MARKETS.

Candles.-Sperm, city, 38c. a 40 c . per lb; sperin, patent, 50 c .; wax, paraffine; 50 c .; adamantine, city, 18 c . a 21 c .; stearic, 27 a 28 c . Cons_Anthracite, $\$ 4.50$ a $\$ 5$; Liverpool orrel, $\$ 11$; cannel, $\$ 12$.
Corper-Kefined ingots, 23 c . per lb.; sheathing 26 c . metal, 20c.
metal, 20c.
Cordage.-Manilla, American made, 8wc. per lb.; Rope, Russia hemp, 12c.
Corion-Ordiuary, a\%c. a $8 \% \mathrm{cc}$.; good ordinary, $9 \% \mathrm{cc}$. a 10 c .; middling, 113 c. a $11 \% \mathrm{c}$.: good middling, $11 \% \mathrm{cc}$. a $12 / \mathrm{c}$ c. middling fair $11 \%$ e. a $12 \% \mathrm{hc}$.
Dovisac Go
Dovisaric Goods.-Shirtınge, brown, 30-inch, per 5ard, 6c. a $73 / \mathrm{c}$.; shirtings, bleached, 25 a32-inch, per yard, 6c. a 8c.; shirtings, bleached, 30 a 34 -inch, per yar, 7 c . a $8 \% \mathrm{se}$.; sheetings, brown, 36 a 37 -inch, Der yard, $53 / \mathrm{cc}$. a $8 \% \mathrm{cc}$.: sheetings, bleached, 36 -inch, per yard, $7 \% \mathrm{Kc}$. a 15c.; call coes, be. a 11 c. ; drillinga, bleached. 30 -inch, per yard, $8 \$ \mathrm{Kc}$. a
10 c . clotha, all wool, $\$ 1.53$ a $\$ 2.50$; clothe,
 cassimeres, 8 8 c. a $\$ 1.37 \%$; satinets,
Canton flannels, brown, $8 \nless \mathrm{sc}$ a a 13c.
Drewoans.-Barwood, per tun, $\$ 18$ a $\$ 20$; Camwood, $\$ 150$; Fustic, Cuba, $\$ 35$ a $\$ 35$; Fustic, Tampico, $\$ 22$; Fustic, Savanilla, $\$ 19$ a $\$ 20$; Fustic, Mara aibo, $\$ 18.50$ a $\$ 19$ : Loswood, Laguana, $\$ 23$ a $23 ;$ Log-
wood, Tabasco, $\$ 21$; Logwood, St. Domingo, $\$ 13$ a $\$ 13.50 ;$ Logwood, wood, Tabasco, $\$ 21$ L Logwood, St. Domingo, $\$ 13$ a $\$ 13.50 ;$ Logwood,
Honduras, $\$ 16$ a $\$ 17 ;$ Logwood, Jamaica, $\$ 12.50$ a $\$ 12 ;$ Lima wood, Hondurab, $\$ 16$ a $\$ 17$; Logwood, Jamaica, $\$ 12.50$ a $\$ 12 ;$ Lima wood
$\$ 65$ a $\$ 75 ;$ Sapan wood, $\$ 45$.

Frour.-State, superfine hrands, $\$ 5.15$ a $\$ 5.20$; Ohio, common
 $\$ 5.30$; Genesee, extra brands, $\$ 5.75$ a $\$ 7.50$; Miesouri, $\$ 5.30$ a $\$ 7.50$;
Canada, $\$ \overline{0} .40$ a $\$ 6.50$; Richmond City, $\$ 6.25$ a $\$ 7.25$; Rye flour, fine, $\$ 3.60$ a $\$ 3.90$ : corn meal, $\$ 3.75$.

Hevr.-Anerican undressed, $\$ 120$ a $\$ 150$; dicssed, from $\$ 160$ a
$\$ 200$. Jute, $\$ 87$ a $\$ 90$. Italian, $\$ 27$. Russian clean, $\$ 190$ a $\$ 200$ per tun. Manilla, 6\% $\%$ c. per lb. Sizal, $5 \% \mathrm{cc}$.
India-mblumer-Para, fine, 55c. per Ib. ; East India, 50c
Indico.-Bengal, $\$ 1$ a $\$ 1.55$ per lb.; Madrae, 70c. a 95c;; Manilla Boc. a $\$ 1.15$; Guatemala, $\$ 1$ a $\$ 1.25$.
Inon.-Pig, Scotch, per tun, \$24 a \$35; Bar, Swedes, ordinary eizes, $\$ 35 \$ 36$ : Bar, English, common, $\$ 42.50$ a $\$ 43$; Refined, $\$ 52$ a $\$ 54$; Sheet, Russia, lst quality, per lb., 111 sc c. a 11 友c.; Sheet, Eng. lish, single, double and treble, 33 cc . a $37 / \mathrm{c}$.; Anthracite pig, $\$ 24$ er tun.
Ivory-Per 1b., $\$ 1.25$ a $\$ 1.80$.
Lathe.-Esatern, per M., \$2.25.
Lead.-Galena, $\$ 5.80$ per 100 lbe.; German, and English refined,

Leatuer-Oak slaughter, light, 29c. a 3cc. per lb.; Oak, medium, 30c. a 32c. : Oak, heavs, 28c. a 31c.; Oak, Ohio 29c. a 30c.; Hemlock, heavy, California, 19c. a 20c.; Hemlock, buff, 15c. a 18 c .: Cordovan, 50 c a 60 c .; Morocco, per dozen, $\$ 18$ to $\$ 20$. ; Pateut enamcled, 1fic. a 17 c . per foot, light Sheep, morocco finish, $\$ 7.00$ a $\$ \$ .0$ ing, oak, 33c. a 34 c . : Hemlock, 28c. a 31c
Lime.-Rockland, 8uc. per bbl
Lomarre-Timber, white pine, per M feet, \$17.50; yellos pine, $\$ 35$ a $\$ 36$ : oak, $\$ 18$ a $\$ 28$; easteru pine and spruce, $\$ 14$ a $\$ 15.50$ : White Pine, cleni; $\$ 35$ a $\$ 40$; White Pine,select, $\$ 25$ a $\$ 30$; Whlte Plne, box, $\$ 14$ a $\$ 18$ : White Pine, flooring, $11 /$ inch dressed, tongued and grooved, $\$ 24.50$ a $\$ 25$; Yellow Pine, flooring, bans inch, dressed, tongued and grooved, $\$ 20$ a $\$ 32$; White Place, Al nut boards, dressed, tongued and grooved, $\$ 30$; Cheri', good, $\$ 4$ 4i; White Wood, Black Walnut, $\$$ : White Wood, 1 inch, $\$ 23$ a $\$ 25$; Spruce Flooring, 1/:/ inch, dieessed, tongued and grooved, each, 22c.a 24c.; Spruce Boards, 15c. a 17 c .; Hemlock Boards, 12 亿у. a 14c.; Hemlock wall stripe, IUc. a 1lc.; Shingles, cedar, per M, $\$ 28$ a $\$ 35$; Shingles, cyoress, $\$ 12 \pi \$ 25$ : Stavee, W. O. pipe, light, $\$ 55$ a $\$ 5$; Staves, white oak, pipe, heuvy, $\$ 75$ a $\$ 80$; Stavee, white oak, pipe, culls, $\$ 30$ a $\$ 35$; Stavee, do. Lhd., heavy, $\$ 70$; Staves, do. bbl. light, $\$ 30$ a $\$ 35$; Staves. do. bbl. culle, $\$ 20$; Mahogany-St.Domingo, fine crotehes, per foot, 35 c . a 405 c .: St. Domingo, ordinary do., 20c. a 2 sjc .; Honduras, fine, $12 \% \mathrm{c}$. a lâc.; Mexican, 13c. a 15 c .
Nails.-Cut, 33/ac. a $33 / \mathrm{cc}$. per lb.; American clinch, 5 c . a 512 c .; American horse-shoe, 14/6c
Orlo.-Olive, Marseilles, baekets and boree, $\$ 3.35 \mathrm{a} \$ 3.40$; Olive in caake, per gallon, $\$ 1.10$ a $\$ 1.15$; Palm, per pound, nc. a 93 xc .; Linseed, city made, 57 c . a 58 c . per gallon; linseed, Engllibl, 57 c . a 58 c .; whale, fair to prime, 49c. a 52 c .; whale, blenched 59 c . a 60 c .; sperm crude, $\$ 1.35$ a $\$ 140$; sperm, unbleached rinter, $\$ 1.40^{-}$; lard oil, No. 1, winter, 87\%c. a $92 \% \mathrm{c}$.; red oil, cty distilled, 55 c .; Wadsrorth's refined rosin, 30 c a 40 c .; Wadeworth's boiled oil for paintine, 35 c . a 40c:: Wadeworth's tanner's improved and extra, 3nc. a 40 c .; Wadsworth's machinery, 50 c . a $\$ 1$; camphene, 45 c . a 47 c . ; tluid, 54c. a 5fic Painte.-.Litharge, American, 7 c. per lb.; lead, red, American, $7 \mathrm{c} . ;$
ead, white, American. pure, in oil, $8 \mathrm{c} . ;$ lead, white, American, pure, drs, 713 c. ; zinc, white, American, drs, No. 1, 5c.; zinc, white, Freach, dry, 71 sc .: zinc, white, French, in oil, $0 \% \mathrm{f}$ c.; ochre, ground in oil, 4 c a 6 c .: Spanith hrown, eround in oill, 4c.: Paris white, Ametican, 7 Ec . a 90 c . per 100 lbs.: vermuluion, Chinese, $\$ 1.13^{2}$ z a $\$ 1.22$; Venetian red N. C., $\$ 1.75$ a $\$ 2.35$ per cwt.; chalk, $\$ 4$ per tun.

Plaster-of-Faris.-Blue Nova Scotia. $\$ 9.75$ per tun; white, $\$ 3.50$; calcined, $\$ 1.30$ per bbl.
Resin.-Commen, $\$ 1.60$ : per 310 the., etrained, No 2, drc., $\$ 1.60$ a $\$ 1.70$ : No. 1, ver 280 lbs. $\$ 1.75$ a $\$$. 5 ; ; white, $\$ 2.50$ a $\$ 3$ : pale, $\$ 3$ a $\$ 3.50$.

## SOAP.-B

live. 7c. a 7\%c.
Scenters plates, $5 \% / \mathrm{cc}$ a $5 \neq \mathrm{cc}$. per lb
Strel-English cast, 14c. a 16c. per 1b.; German, 7c. a 10c.; Am-

Sumac.-Sicils, $\$ 60$ a $\$ 80$ per tun.
Tallow.-American pirme, $10 \% / \mathrm{c}$ c. per lb .
Tov.-Banca, 32c.; Straite, 30c.: plates, $\$ 6.25$ a $\$$ n. 30 , perbox.
Wool-American, Saxony fleece, per 1b., 55c. a 60c.; American ful blood merino, 48c. a 52 c . extra, pulled, 45c. a 50 c ; superfine, pulled 39c. a 43c.; California, fine, unwafhed, 24c. a 32c.; California. common, unwashed, 10c. a 18c.: Mexican, unwashed, 11 c . a 14 c .
Zric.-Sheets, 7c. a 7\%c. per lb.
The foregoing rates indicate the state of the New York markets up December 29th.
There has been very little change in the markets during the past week; all kinds of manufacture and merchandize are in a state of inactivity, but this is usually the case during the last month of the year.
There is a good demand for furs of all descriptions. Capes are enlarged in their dimensions this winter, and full robes of fur, such as are worn by the ladies of Russia, are becoming more common. Otter skins are selling at from $\$ 3.50$ to $\$ 5.50$ each; those of the black and the silver fox, from $\$ 10$ to $\$ 50$; the dark marten, $\$ 5$ to $\$ 6$; the dark nink, $\$ 2.50$ to $\$ 3$; the beaver, $\$ 1.20$; and the skin of the black bear, for sleigh robes, from $\$ 6$ to $\$ 8$.
There has been a steady demand for hemlock sole, and a further advance has been obtaincd on all descriptions of leather. Oak sole continues in fair inquiry, without variation in prices.

No less than $\$ 39,975,750$ arrived from California last year, being an increase of $\$ 3,796,406$ orer the 5 ear previous. The latest mining news from California is highly favorable, and promises well for the gold crop and re-cently-discovered silver crop. So, also, the gold news from Oregon represents everything in that quarter in a flourishing condition.
The cotton exports this season have been 902,000 bales, against 729,000 bales of last season. The best qualities of cotton are rather scarce im the market.

Rand's Flour Mill.-Some months ago, we solicited a patent fur Christopher Rand, of Peoria, Ill., on a flour mill constructed on an ingenious and novel plan; and, if the statements are true, it has proved one of the most valuable improvements ever made in flour and grain mills. The stones are made in the form of rings so that the whole of the grinding surface has a much more ncarly uniform speed than in the usual plan. A radial fan is placed within the rings, which blows the flour out from between the stones as it becomes sufficiently fine; thus relieving it from the continual action of the stoncs, which tends to heat it and consumes power uselessly. The upper stationary stone is lung upon universal joints, which securcs a perfect adjustment of the faces and keeps them in " tram."

issued from the united states patent office for tite werk ending ddotameres $27,1859$.

## [Reported officially for the Scientizio Averions.]




26,553. -Norman Allen, of Unionville, Conn., for an Improved Vise and Saw-set:
I claim the rise formed of the bara, $\Lambda A$, with $\mathrm{JnTs}^{2}, \mathrm{~b}$ b, attached, gle. D, or their equivalente, in combination with Blite zus-ete formed aill the beyed plate, i, Fage, j, and ad justable center, $H$, enbstan-

26,554.-Wm. H. Baker, Daniel Dean, and B. L. Fetherolf, of T'gmaqua, Pa., for an Improvement in Straw-cutters:
We claim, first, The double-edged reciproceting knife, $\mathbf{C}$, in ron-
nection with the bed, $P$, arranged to operate substantially as and for the purpose set forth.
 for operating conjointly the feed bar, L and preespurc bed, $\mathbf{P}$.
Third, The eciontry plate, $G$, placed in the ehnft, $i$, when Third The ecentric phate, $G$, placed on the shart, $i$, when ued in
connection with the tidide. $J$, to control its longitudinal movement for he purpose set forth.
[The object of this invention is to obtain a machine that will cut hay, straw and stacke for fodder with great rapidits, perform the work well. and be capable of having certain parts graduated eo as to regulate, as mny b
stuff is to be cut.]
26,555.-Wm. Banham, of San Francisco, Cal., for an Improvement in Machines for Pulverizing Quartz: I claim the circular troughs T T' constructed as deecribed, in com. an the whole constructed and operated substantially in the manncy
and for the purpose get forth.

26,556.-R. D. Bartlett, of Bangor, Me., for an Improvement in Veneering Machines:
I claim the application of the thrat gage to the main andsecondary cutters, so that woth the gage and kecondary cutters can be turned
upward away from the lng, under circumstances and forthe porpose or objects gu bstantially as set forth.
26,557.-G. W. Beardslee, of Flushing, N. Y., for an Improved Magneto-clectric Machine
I claim the mode ofoneration of the pole-changer, bp which the cur-
rent is made to travel in the same direction, subetantially as de-
26,558.-G. W. Beardslec, of Flushing, N. Y., for an Improved Magneto-electric Machine:
I claim the compound magnet deacribed, consioting of radial
oles, arranged about a common center, and connected to
 I also chim forming suich a compornd macnet, with radial poles,
connected at their inner ends, Ly cuttin? out the radial poies and connected at their inner ends by cutting out the radial poies and
connectln; ring sfoma einde plate, subtantial 15 and for the pur. pose eppecifie d,
I alion clinin, in combination with rotating magnets, the insulated
rincs to rincg to onhich the term
stantinily as described.
26,559.-Tames Bouton, of Macon City, Mo., for an
Improvement in Seeding Machines: I claim the arrancenient of the wheele, $b \cdot b$ pipes, $C$ and $D$, cov-
erers, E , springs, F, nind $n$, and the yielding beam, in the mauner ercers, E, springs, $F$, nnd u, and the yielding beam, ${ }^{\text {c }}$ in the mauner
de.scribed, and iso the ariangement of the valve, in the hopper,
P, in the mamerdecribed, for the purpose apecified.
26,560. -Samuel Boyd, of Brooklyn, N. Y., for an Improvement in the Manufacture of Hoes:
I claim the combination with the dron, $G$, and anvil, $B$, oft he drop
opening, $f$ and mandrel, C , so tha t after the drop has given its blow it will hald the line in place, and allow the mandre a, C, to be paeoed
through it into the hoe, to form and finish the eye thereof, all a hrown it into the ho
[The object of this inventionis to reduce the manual labor attending the manufacture of hoes and at the same time ensure a bettc finish and more desirable article than could be produced by the devices hitherto curple.e C. .]
26,561.-O. G. Jirady, of New York City, for an Improvement in Guides for Sewing Machines.
I chainn the combination of the presser, hanving its sole formed
 the eny $y$
teo of the
specificd
[This invention consists in a certain construction änd arrangement relatively to each other, of a guidiag tube and a grooved presser

