## FOREIGN SUMMARY-METALS AND MARKETS.

The price of gas in most of the cities of Great Britain is less than one half that of New York. In London it is only four shilling sterling (not quite a dollar) per 1,000 cubic feet. Mr. Flintoff, in delivering a lecture on this subject recently in Glasgow, stated that, while five shillings per 1,000 cubic feet were charged in the Scotish city, or one shilling more than in London, the coal was one shilling less in price ; thus proving that companies which had the monopoly only regarded their own interests and made all they could out of the people. He asserted that gas-making was not that mysterious operation some imagined, and that a new company could manufacture gas in Glasgow with a reasonable profit, at two shillings and eleven pence per 1,000 cubic feet, not one-third the priee of New York gas.
Messrs. Burns, of Glasgow, the principal stockholders of the Cunard steamers, are perhaps the greatest steamship proprietors in the land. They have lately contracted, in conjunction with Mr. Mac Ivor, of Liverpool, another proprietor, for six new large iron screw steamers, four for the Mediterranean service, and two for the Glasgow and Liverpool trade. Besides these, they have also either four or five still larger steamships in the course of construction for the Atlantic trade between Liverpool and American ports.

A new screw steamer, called the Thetis, of 680 suns burden lately made the passage between Greenock and Liverpool, burning only $1,018 \mathrm{lbs}$. of coal per horse power, per hour. No less than four and five lbs. are generally consumed in steamers per horse power.

Returns of the mineral wealth of England for 1859 have just been published. It amounts to $£ 31,250,000$ sterling in value. Of coal there were $65,008,649$ tuns raised, of iron, smelted from the ore; $3,456,064$; copper, 14,456 ; lead, 68,303 ; tin. 6,920 ; silver, $569,345 \mathrm{oz}$. The yield of copper ore was 226,852 tuns.

A great trial of reaping-machines, recently took place in Belgium on the very field where the famous battle of Waterloo was fought. It was anounced beforehand that 26 machines would compete for the prize, but only four entered into the contest. These were Burgess \& Key's (McCormick's), Bell's (Scottish), J. A. Teelan's (Hussey's), and Cranstoun's (Woods). These were all American reapers, with one exception. The prize was awarded to Bell's, and this gave great dissatisfaction to most persons present, because it was held to be inferior in many respects to two of the others. It cut the grain (oats) very well, but it could only be turned with great difficulty, and was not very manageable. It laid the cut grass beautifully in swaths, and this appears to have been the main merit which it possessed. Burgess \& Key's machine was of superior construction, and in a subsequent trial (not for a prize) it cut a field of trefoil, which Bells' had failed to do, and the machine was instantly purchased by one of the jury who had awarded the prize to the Bell machine. These statements are taken from the Brussels Messenger.

In several of the seaports in England schools have been provided for training boys for the mercantile marine. The government has given the old frigate Conway to Liverpool for a school, and great efforts are being made to elevate the character and qualifications of the common sailor. Hitherto such efforts have been confined to government-dockyards, in training youths for the navy. The low character which sailors have acquired in American ships, by our ship-owners employing the scum of all nations, forcibly calls for some great effort to revolutionize our entire mercantile marine, and a school for training boys in New York should be tried to see what effect it will produce. We think it would work well, if conducted upon correct principles.

It has been announced that a great reduction was about to take place in the French tariff on foreign metals, and hence we find that, as a consequence, pig-iron has bebecome firm in expectation of a large demand from France. The prices in our table are unchanged since our last, but in consequence of reports that Louis Napoleon is in favor of free trade, great expectations have been excited among the metal-workers of Sheffield and Birmingham in regard to large demands soon to be made for their cheap manufactures.
American candles, with S. R. Weeden's wick, manufactured at Rrowidence; Re. l.; $_{\text {; }}$ are on the tracti of British


America, and beginning to supersede them in some in stances. The wick in these candles is self-consuming, and requires no snuffing-a very iraportant improvement in tallow candles.

PRICES OF FOREIGN METALS, SEpt. 5.

[The above are pric
being valued_at $\$ 4.85$.

## New York Markets.

Conl.-Anthracite, from $\$ 3.50, \$ 4.50$, to $\$ 4.75$.
Cotron.-Ordinary-Uplands, $93 / \mathrm{c}$. per 1 lb .; Florida, $93 / 4 \mathrm{c}$; Mobile 33/c.; New Orleans and Texas, 91/4. Middling-Uplands and Florida, $11 \%$ a.; Mobile, 113/c.; N. O, and Texas, $117 / \mathrm{c}$. Midding fair-Up-
lands and Florida, $12 \% \mathrm{c}$.; Mobile, N. O. and Texas, 13c. Fair-Uplands and Florida, $12 \neq \mathrm{c}$.; Mobile, N. O. and Texas, 13c. Fair-
lands and Florida, 123 c c.; Mobile, $13 \nless \mathrm{c}$ c.; N. O. and Texas, 14c. Corper.-Llake Superior Mobile, 131 Kc c.; N. O. and Texas, 14 c . Copper
ing, 26 c .
Flour.-State, good, $\$ 4.70$ a $\$ 4.75$; State, extra brands, $\$ 4.75$ a 44.85.; Michigan and Indiana, extra, $\$ 4.75$ a $\$ 6.20$; Genesee, extra brands, $\$ 5.50$ a $\$ 7.50$; St. Louis, extra, $\$ 5$ a $\$ 8.50$; Canada, extra a $\$ 6$; Richmond
GLabs.-American 5 to feet: 6 by 8 to $10, \$ 3.50$ a $\$ 3.75 ; 8$ by fourth quali$\$ 4 \mathrm{a} \$ 3$; 10 by 16 to 12 by 18 , $\$ 4.50$ a $\$ 3.25 ; 12$ by 19 to 16 by 24 by $\$ 5.25$ $\$ 3.50 ; 16$ by 25 to 20 by $30, \$ 6 \mathrm{~s} \$ 4 ; 20$ by -81 to 24 by 36 , $\$ 3$ \& $\$ 4.5$ 25 by 36 to 30 by $44, \$ 9$ a $\$ 5$. These prices are subject to a large dis. count-somet1mes $5^{\circ}$ per cent.
Hemp.-American undressed, $\$ 140$ a $\$ 150$; dressed from $\$ 190$ a $\$ 210$. Jute, $\$ 95$ a $\$ 90$. Italian, $\$ 2.75$. Russian clean, $\$ 210$ a $\$ 215$ Manilla 61 c. per lb .
Indin-rubibr.-Para, fine, 56c. a 60c. per lb.; East India, 37c. a 40c.
1.10; Guatemala, $\$ 1$ a $\$ 1.50$

Iron.-Anthracite pig, $\$ 23$ a $\$ 24$ per tun; Scotch $\$ 23$ to $\$ 23.50$ wedish bar, ordinary sizes, $\$ 85$ a $\$ 87.50$; English refined, $\$ 53$ a $\$ 54.50$; English cómmon, $\$ 43$ a $\$ 4 \check{0}$. Russian sheet, first quality, 11c. a $111 / 8 \mathrm{c}$. per lb.; English, single, double and treble, $31 / \mathrm{c}$. a $37 / 8 \mathrm{c}$. Lead.-Galena, $\$ 5.75$ per 100 lbs ; German and English refined, $\$ 5.70$; bar, sheet and pipe, from 6 cc . to $6 \frac{1}{4} \mathrm{c}$.
Leather.-Oak slaughter, light, 33c. a 35 c . per 1b.; Oak, heavy, 20 c . 33c.; Oak, crop, 38c. a 40c.; Hemlock, middle, 23c. a 24 c .; Hemlock, light, 23c. a 24c.; Hemlock, heavy, 22c. a 23c. Patent enameled, 16 c . a 17 c . per foot, light. Sheep, morocco finish, $\$ 7.50$
a $\$ 8.50$ per dozen. Calf-skins, oak, 57 c . a 60 c .; Hemlock, 56 c . a 60 . a $\$ 8.50$ per dozen. Calf -skins, oak, 57c. a 60c.;
Belting, oak, 32c. a 34 c . ; Hemlock, 28c. a 31c.
Nalls.-Cut at 3 c a $3^{3} \mathrm{f}$ c. per lb. American clinch sell in l . wanted, at 5c. a 6 c .; wrought foreign, $33 / 4 \mathrm{c}$. a $31 / 2 \mathrm{c}$.; American horseshoe, 14 $1 / 2 \mathrm{c}$.
Ons.-Linseed, city made, 58c. per gallon; whale, bleached spring, 53c. a 55 c .; sperm, crude, $\$ 1.25$ a $\$ 1.28$; sperm, unbleached spring, $\$ 1.35$; lard oil, No. 1 winter, 87c, a 92c.; extra refined rosin, 30c. a 40 c .; machinery, 50 c . a 100 c .; camphene, 45 c . a 46 c .; coal, refined, from $\$ 1.12$ a $\$ 1.50$; palm oil, 10c.; linseed, 59 c ,
Resin.-Common, $\$ 1.60$ per 310 lbs bbl. ; No. 2, \&e., $\$ 1.70$ a $\$ 2$ : No. 1, per 280 lbs. bbl., $\$ 2.25$ a $\$ 3$; white, $\$ 3.25$ a $\$ 4.50$; pale, \$5.50.
Srel

Felter plates, 5 c . a $5 \% \mathrm{c}$. per lb
Steel.-English cast, 14c. a 16c. per lb.; German, 7c. a 10c.; Amrican spring, 5 c . a $53 / 2 \mathrm{c}$.; American blister, $4 \% \mathrm{zc}$. a 53 sc .
Tallow.-American prime, $10 \% \mathrm{c}$. to $10 \% \mathrm{c}$. per lb
Tin.-Banca, 323/4c. a 33c. ; Straits, 321/4c.; plates, $\$ 7.50$ a $\$ 9.75$ er box.
Turpentine,-Crude, $\$ 3.62 / / 3$ per $380 \mathrm{lbs} . ;$ spirits, turpentine, 46 c . per gallon.
Zinc.-Sh
ZrNG-Sheets, 73sc. a 8 c . per lb.
The foreging rates indicate the st te of the New York markets up
The demand for flour has been somewhat more lively during the past week.

There was a large supply of fat cattle during the week, 5,930 having been received mostly from the West, and they sold as low as $8 \frac{1}{2}$ c. a 9 c . per pound.
A circular issued from the office of the Shipping and Mercantile List, No. 58 Pine-street, contains a statement of our total cotton crop for the year ending August 31st. The crop of Sea Island was 49,089 bales against 40,566 in the previons jear, and the insrease of the entire crop of



ISSUED FROM THE UNITED STATES PATENT OFFICE FOR THE WEEK ending septemoer 13, 1859.
[Reported Officially for the Solenmifio Amerioan.]
** Pamphlets giving full particulars of the mode of applying for patents, size of model required, and much other information usePublishers of the Soimntifio American. New York.
25,375.-Henry Adams, of New York City, for an Improvement in Saddle-trees:
I claim a tree forside or ladies' saddles, constructed by connecting
the bars, $A$, by a lridge, $B$, at the point snecified and with an the bars, A A, by a bridge, B, at the point enecified and with an
open epace, a, between the front ends of the bars, at their junction
with the horns, C , for the purpose set forth.
25,376.-Gco. S. Avery, of Cross River, N. Y., for an Improvement in Ralls for Railroads:
I claim an improvement in railrond iron bars or rails by an offset or bend of the rails, and inserting a key between them at the lap, and riveting or bolting them together, substantially as and for the pur-
[An engraving and description of this invention will appear in our columns in the course of a few weeks.]
25,377.-O. S. Bartlett, of Romulus, N. Y., for an Improvement in Ditching-plows:
I claim the combination of the arms. D D D, brace, $\mathbf{H}$, rods, d d , and blocks, F lis substantially as and for the purpose set forth.
I also claim the mode of attaching and ad justing the shares, E E E , by means of the packing blocks, , 111, in combination with the bolts
b b, and arms, D D , substantially in the manner specified. 25,378.-A. F. Blunk, of Indianapolis, Ind., for an Improvement in Straw-cutters:
I claim a straw catter, constructed as shown and specified, that is to
sany
sind
andh
angular knives,
 rate conjointly.
25,379.-E. K. Breckenridge, of West Meriden, Conn.,
for an Improvement in Window-sash Fasteners:
I claim the employment or use of two cams, $B B^{\prime}$, placed on a com-
mon arbor, , with a spring, $\mathrm{E} F$, applied to them and a lever, mon arbor, , with a spring, E $F$, applied to them and a lever, C ,
the whole being fitted withis a fiame, $A$, and arranged to operate substantially as and for the purpose set forth.
[This invention consistis in placing two cams on a common arbor, and connecting both by a single spring, the parts being placed in the sill of the window casing, and in such relation to the sash as to bear against its edge; one cam retaining the sash in an upward position, at any desired hight within the scope of its movement, and consequentlyopposing a downward movement, and the other cam opposing an upward movement, and thereby retaining the sash in a downward position, either cam being moved or adjusted when required, for the purpose of raising or lowering the sash by means of a lever.]
25,380.-Z. B. Brown and M. C. Godard, of Granby,
Conn., for an Improvement in Seed-planters:
We claim the arrangement and combination of the carrier and
stamping wheels $F F$, cams and marker device I I, unon the wheel $F$.
 ner as and for the pur ose described.
25,381.-J. S. Bucll, of Buffalo, N. Y., for an Improvement in Sewing Machines:
I claim, first, In combination with the stationary corrugated sur-
face, $0 \mathbf{O}$, the corrugated foot-piece, $Q$, constructed, arranged and face,
operating therevith, as get forth. thece, Q, constructea, arranged and
Second, I also claim, in combination with the needle or its thread, the conical spool, $X$, and guide, U , for causing the slack in the thread
to form the loop, and holding said 1oop from turning until seized by the looper, as set forth and explained.
25,382.-Stephen Burrows, of Lima, Wis., for an Improvement in Seed-drills:
I claim the emplovment of a grooved ring, B C, fitted on the axle or shaft of a seed drill, in combination with the peculiarly construct-
ed tube, $\mathbf{D} \mathbf{E}$, leading from the hopper into the groove of the ring, sub. stantially as and for the purposes set forth.
25, 383. - Wm. Campbell, of Waterloo, Pa., for an Improved Churn:
I claim the perforated and hinged floats, $F$, as an Inprovement in
the construction of dasher-leads for churns.
25,384. -Rosanna Carpenter, of Medford, Mass., for an Improvement in Extracts of Fruits:
I claim, as a new article of manufacture, the above-described ex-
trict of fruit, prepared in the manner substantially as specified.
25,385.-R. P. Clark, of Johnstown, N. Y., for an Im-
provement in Handmills for Grinding Apples, \&c.:
I claim the described improved handmill for household use, in reducing apples, potatoes, and other fruits and roots to pomace; the
teeth, el, of the combined cylinder and adjustable yield img oon-
cave being formed and arranged in the particular manner set forth.
25,386. - Barnes Clayten, of Philadelphia, Pa., for Improved Fastenings for Shirt Studs:
I claim the hollow sliding case, A, and spring, B, jn combination
with the tie, or post, E , and the bar, D , the same being arranged to with the tiee or post, E , and the bar, D , the same being arranged to
operate together, substantially in the manner and for the purhose set 25,387 -P S.
an Improvement in Wire Fences: an Improvement in Wire Fences:
I claim the comblnation of the pin, $S$, with the ratchet. $T$, in con-
nection with the mortised posts and the hooked wires, $H$, when nection with the mortised posts, and and the hooked wiree, H W Wh, when
these several parts are arranged substantially as desoribed for the
purpose set forth.
25,388.-T. T. and H. W. S. Collier, of Lavernia,
Texas, for an Improvement in Cotton-seed Plantess: H , constructed as described, to operate in in combination with the packH , constructed as described, to operate in combination with the pack-
ing whecl, I , substantially as and for the purpose set forth. [The principal object of this invention is to obvlate the difficulty of distributing cotton-seeds evenlo from a hopper. Fon this purpose



