

ELECTROTYPING BY LIGHTNING.

In front of the Bibliotheque Imperiale at Paris there exists an open space, ornamented with a large bronze fountain, which was coated with copper by the electrotype process.

FOREIGN SUMMARY—METALS AND MARKETS.

A method of taking photographs upon plates of polished copper for the purpose of engraving therefrom, has just been made known to the public, through the London Mechanics' Magazine, by Colin Smart, of Sunderland.

J. Scott Russell, the builder of the Great Eastern, has taken out a patent for constructing vessels of what is called "yellow" or "Muntz metal."

Prince Albert, as President of the British Association for the Advancement of Science, which lately met at Aberdeen, made an introductory speech which does him great credit, as he paid the highest possible compliment to those who are engaged in scientific pursuits.

transmitted to us and carefully preserved in the various storehouses of science. Other crops have been cut, but still lie scattered on the field; and many a rich harvest is ripe for cutting, but waits for the reaper.

PRICES OF FOREIGN METALS, SEPT. 29.

Table with columns for metal types (Iron, Steel, Copper, etc.) and prices in £ s. d. and other units.

[The above are prices within three per cent discount, the pound being valued at \$4.85.

New York Markets.

COAL.—Anthracite, \$4.50; Liverpool, \$5.50; Sidner, \$5 per tun. COPPER.—Refined ingots, 22½c. per lb.; sheathing, 26c.; Taunton yellow metal, 20c.

Wool.—American, Saxony fleece, 50c. a 55c. per lb.; American full blood merino, 46c. a 48c.; extra, pulled, 45c. a 50c.; superfine, pulled, 37c. a 41c.; California, fine, unwashed, 24c. a 32c.; California, common, unwashed, 10c. a 12c.; Mexican, unwashed, 11c. a 14c.

The foregoing rates indicate the state of the New York markets up to October 12th.

The wool trade is growing into vast proportions, and no better sign could be required than this in regard to our increase in a very stable class of manufactures.

During the week ending the 10th inst., the quantity of boots and shoes exported from New York was as follows: To Danish West Indies, 9 cases, \$447; Cuba, 3 cases, \$600; Dutch West Indies, 3 cases, \$173; British West Indies, 3 cases, \$364; Chili, 58 cases, \$2,946; total, 76 cases, \$4,530; to clothe the feet of the ereoles and others in the West Indies.

Leather has a downward tendency, but the sales have been so limited that the change in prices is not worth noticing. During the month of September, 255,889 sides of leather arrived in the city.

Flour has increased in price a little over ten cents, owing to a break in the Erie canal, which prevented the usual amount of arrival.

American sperm candles have been in active demand at from 38c. to 50c. per lb.

The cotton market has been somewhat dull. The arrivals during the week have been 4,476 bales, of which Texas sent 614, Georgia, 2,384; South Carolina, 1,220; Virginia, 41; Maryland, 178; and the rest foreign.

Well's Commercial Express (Chicago) states that 3,472,289 bushels of wheat have arrived in that city, this Fall, which is an increase of 1,000,000 over the arrivals in 1858 for the same period.

About 35,000 sides of lace leather are used annually for the manufacture of belting in the establishment of J. Davis, Pawtucket, R. I. The Dunnel Manufacturing Company, of the same place, print from 6,000 to 10,000 pieces of calico per week, by six machines.

There were shipped on the Lehig canal, during the week ending the 8th inst., 31,000 tons of anthracite coal, being an increase of 2,850 over the same period in 1858; and thus far, there has been an increase of 97,000 tons over the total export of last year.

SALE OF PATENTS.

We understand that T. H. Wilson & Bro., of Athens, Ga. (whose patent horse-power was illustrated on page 256, Vol. XIV., SCIENTIFIC AMERICAN), have sold the right for Texas for \$10,000.

Mr. Theodore Frederick Weil, of New Orleans, returned from England by the last steamer, having sold his English patent on a fish-hook to a Birmingham house for £5,000 (\$25,000). The hook is of the sockdologer kind, and has been pronounced an excellent invention.

We congratulate our clients on their good success.

A SUBMARINE OYSTER SALOON.—Mr. E. Maillefert, who removed the rocks at Hellgate, East river, N. Y., proposes to build a mammoth diving-bell, with which to work the mammoth oyster-beds recently discovered in Long Island Sound.

NEW CEMENT FOR TEETH.—Freshly calcined oxyd of zinc, 9 parts; finely powdered borax, 1 part; finely powdered silic, 2 parts; all mixed well together. A correspondent of the Druggist states that this makes a firm plastic mass, and that it is used by French and German dentists.

NATIVE iron has been discovered in but few parts of the world. Specimens have been found in Austria; and in Canaan, N. Y., there exists a seam of native iron, 2 inches in thickness, from which horse-nails have been forged.