

### ELECTRIC SMELTING.

When Thomas Edison began experimenting with electricity as a means of extracting iron oxide from rock a shiver ran through the spinal columns of iron mine owners. Then the matter was forgotten and the public heard nothing more about magnetic separators until a few days ago when the news came out that the method was not only perfected, but that by it 5,000 tons of Bessemer steel were being turned out every day at Edison, N. J. Mr. Edison has been developing his new discovery quietly, and now his smelting works and their appurtenant buildings cover many acres among the Jersey mountains. The rock is blasted out of open quarries, 5,000 tons at a time, and carried by enormous electric cranes to rollers which crush the largest boulders as if they were lump sugar. After passing through a series of these rollers the fine rock falls past 700 magnets, which extracts the ore, sending it along to the furnaces almost free from extraneous matter. From the furnace the ore issues in nuggets of Bessemer steel ready for the mills. Western Mining World.

### BIG JUMP IN NICKEL STOCK.

An extraordinary advance has taken place in the stock of the French Nickel Company within the past few weeks. In December last the stock was quoted at 125 francs a share, and in the first week in January at 165, and the second week at 310. The reason given for this sudden and great advance in the price of the stock is that large contracts for guns are to be given out soon by both France and Germany, and that enormous quantities of nickel-steel will be required for this purpose for several years to come.—Sudbury News.

### BIG STRIKE ON THE FOLEY.

Crosscut tunnel has reached the Jumbo vein of the Foley at a distance of 104 feet from the shaft, and at a vertical depth of over 150 feet from the surface.

The vein is fully 5 feet wide, and as it has been opened up on the surface for 1,000 feet, it means that every 100 feet in depth will give 30,000 tons or at the net value as determined by surface assays at least \$270,000.

The importance of this cannot be underestimated, and it is expected that an immediate advance in the shares will occur.

### IMPERIAL DEVELOPEMENT CO'Y.—5c.

This price is good until Feb. 15th, inst. at noon, when stock books will close and when re-opened one week later, price will advance to 10c. per share. Wire order now and remit, you will not have the opportunity again.

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A good low-priced stock. Will advance to 5c. within a very short time.

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Adjoining Silver Bell and under the same management.

### RED EAGLE—10c.

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A few blocks of 500 shares each, have been bought off the market this week, which we are offering for a short time at 10c. This is a snap.

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### A RAILWAY BOOM.

No fewer than twelve railway charters are being applied for at this winter's session of the British Columbia Legislature. The proposed railways are destined chiefly for the opening up of gold and other mineral regions, and are projected over the northern part of the Province, as well as the southern, and one of them is intended to tap the Upper Yukon valley, where placer mining has been conducted on a considerable scale for several years.—Revelstoke Herald.

### A BIG SLOCAN TRANSACTION.

It was learned upon good authority that negotiations are now pending for the sale of the Alamo, Cumberland, Slocan mill and tramway and the famous Idaho mine, all in the Slocan district, to an English syndicate at a price approximating \$750,000. The manager of the company, J. D. Farrell, declined to discuss the matter, although not denying the statement. The presence of A. E. Humphreys, W. H. Yawkey, N. D. Moore and his associates in the city at this time gives color to the rumor.

These properties are well known. Since they came into the hands of the present owners the Alamo and Cumberland have earned over \$300,000. The Idaho has already paid in dividends to its owners the sum of \$125,000 and is paying a dividend of \$20,000 monthly, and the fourth dividend of the same amount in four months was declared and paid on the 15th instant.

The recent development in the lower levels has exposed immense bodies of ore assaying between 220 and 300 ounces of silver and 60 per cent. lead. The concentrates will run 200 ounces in silver and 40 per cent. lead. There has been a large amount of development done on the property, and this development is kept in advance of the stopping.

It will be remembered that several phenomenal assays were made from the crude ore a short time ago, one of them running 7,026 ounces of silver per ton.—Spokane Spokesman-Review.

### BAD IN CORNWALL.

The coming winter in Cornwall, will, it is feared, be a time of severe trial. The depression in the mining districts has reached an acute stage. The price of tin has been gradually dropping for many months past, and it is now lower than it has been for nearly twenty years. Consequently miners are leaving the country in thousands. Since January 1, over 1,000 miners from the districts of Camborne and Redruth alone have emigrated to South Africa and other colonies. In fact, Cornwall is fast losing the best of its brains and muscle. Last year no less than 2,086 Cornishmen left the country for South Africa alone.—Westminster Gazette.

### FREE GOLD AT TRAIL.

The Rosslander gives an account of the finding of free gold bearing quartz on the Norway claim at Trail, which is owned by the Bruce Gold Mining Co. The vein is from 8 to 30 inches wide, and assays have run from \$62.50 to \$180. This is the first time that free smelting gold has been found in that section of the country.

### AGREE ON PROTECTION.

It is a very significant fact that Liberals and Conservatives alike before the Tariff Enquiry Commission strongly favored the retention of the duty on coal. All are of the opinion that to do away with this protection would disastrously affect the coal industry.—Colliery News, C.B.

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