

# THE CANADIAN MONETARY TIMES

## AND INSURANCE CHRONICLE.

DEVOTED TO FINANCE, COMMERCE, INSURANCE, BANKS, RAILWAYS, REAL ESTATE, MINES, INVESTMENT,  
PUBLIC COMPANIES, AND JOINT STOCK ENTERPRISE.

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### Mercantile.

**J. B. Boustead.**  
PROVISION and Commission Merchant. Hops bought and sold on Commission. Colborne St., Toronto.

**Buntin, Brother & Co.,**  
WHOLESALE STATIONERS, and Paper, Envelope, and Bank Book Manufacturers, Nos. 3 and 4 Commercial Buildings, Yonge Street, south of King Street, Toronto.

**Wm. Croft & Co.,**  
MANUFACTURERS of Needles, Fish Hooks, Tackle, &c., Importers of Cutlery, Thimbles, Pears and Buttons, Hooks and Eyes, Pins, Combs, and Small Wares in general. 37 Colborne Street, Toronto, Ont.

**Childs & Hamilton.**  
MANUFACTURERS and Wholesale Dealers in Boots and Shoes, No. 7 Wellington Street East, Toronto, Ontario. 23

**L. Coffee & Co.**  
PRODUCE and Commission Merchants, No. 2 Manning's Block, Front St., Toronto, Ont. Advances made on consignments of Produce.

**John Fiske & Co.**  
ROCK OIL and Commission Merchants, Wellington Street East, Toronto, Ont.

**Henry Langley.**  
ARCHITECT AND CIVIL ENGINEER, Building Surveyor and Valuator. Office corner of King and Jordan streets, Toronto.

**Lyman & McNab.**  
WHOLESALE Hardware Merchants, Toronto, Ontario.

**W. D. Matthews & Co.**  
PRODUCE Commission Merchants, Old Corn Exchange, 16 Front St. East, Toronto Ont.

**K. C. Hamilton & Co.**  
PRODUCE Commission Merchants, 119 Lower Water St., Halifax, Nova Scotia.

**Serlich, Backer & Co.,**  
IMPORTERS of French, German, English and American Fancy Goods, Cigar and Leaf Tobaccos, Scott Street, Toronto. 15

**Parson Bros.,**  
PETROLEUM Refiners, and Wholesale dealers in Lamps, Chimneys, etc. Waterrooms 51 Front St. Refinery cor. River and Don Sts., Toronto.

**Reford & Dillon.**  
IMPORTERS of Groceries, Wellington Street, Toronto, Ontario.

**W. Rowland & Co.,**  
PRODUCE BROKERS and General Commission Merchants. Advances made of Consignments. Corner Church and Front Streets, Toronto.

**Sessions, Turner & Cooper.**  
MANUFACTURERS, Importers and Wholesale Dealer in Boots and Shoes, Leather Findings, etc., 8 Welton St West, Toronto, Ont

**Sparrow & Whatmough,**  
IMPORTERS and Dealers in General House Furnishing Goods, Willow, Wooden and Hollow Ware, Chandeliers, Kerosene Lamp Goods, Oils, &c. Manufacturer of Water Filters, Refrigerators, Meat Safes, Children's Cabs, etc. 87 Yonge Street Toronto.

### Mining.

#### REVIEW OF MINING IN CANADA DURING 1869.

BY PROF. BELL.

(Concluded.)

**Copper.**—The greater part of the mines have ceased working, owing to the cause already pointed out. The ores containing a large proportion of sulphur have been used to a considerable extent in making sulphuric acid, for the preparation of bleaching powders and other chemicals, in the manufacture of which this acid is employed, the residue of Copper being treated separately after the sulphur has been extracted. The want of a sufficient market here has prevented this branch of manufacture from being prosecuted on an extensive scale, but something has been done at Quebec, and it is not improbable that the use of the Sicilian Sulphur in the works at London, Ont., may be dispensed with, and some of the Lower Canada ores containing a large percentage of sulphur be substituted for it with advantage. Great part of the Ore now sent to the States is used for making superphosphates for the South, the use of which is becoming daily more extensive. Sulphuric Acid being, however, the agent for obtaining nearly all the other acids, and being employed in so many different ways, is an article of daily growing importance, and will draw upon sulphurets which are probably the cheapest material that can be obtained for the purpose.

The Huntington Mine in Bolton, Eastern Townships has continued in the face of depressed prices to be worked vigorously, about 240 tons per month of ten per cent. ore being sent off to Liverpool and Baltimore. Were a demand to spring up from 500 to 600 tons, a month could easily be sent away. This mine, we have every reason to believe, has been worked with great judgment and ability.

The Capel Mine has been sending off about 200 tons a month, from 60 to 80 men being employed. Smelting is going on regularly, from 30 to 40 tons of 35 per cent. regulus being shipped to Liverpool monthly, the most of the raw ore being sent to the States. The fuel employed for the smelting is partly American Anthracite and partly English Coke.

The Lower Canada Mine is working moderately, part of the product being sent to Quebec, and part to the United States. In Quebec the Sulphuric Acid Works, the property of the Company, have a considerable capacity, but are by no means worked up to their full capacity.

The lessee of the Harvey Hill Mine, Mr. James Douglas of Quebec, has been introducing a new system of working and dressing the ore. A separate hoisting engine has been erected at the mouth of the principal shaft, connected by a tramway with the dressing house three storeys high, where the ore falls into a Blake's crusher and passes through two sets of Cornish rollers connected with cylindrical screens. The arrangement is such that the ore from the time it is landed at the bottom of the shaft is never handled till it is delivered, crushed and sized, at the dressing floor below where are two double automatic hatches on Rittinger's plan for dressing the slimes, the whole being constructed on the latest German models.

The machinery is nearly completed, and it is said will enable the ore to be treated rapidly and economically, and to dress it up to 25 per cent., the crude ore holding from 3 to 5 per cent., on an average. The new process for extracting Copper, discovered by Dr. Hunt and Mr. Douglas, which was successfully tried in the mine last September, will, it is reported, be carried on as soon as the dressing machinery is complete, which will probably be in a week or two. A proper furnace and lixiviators have been erected for the process.

There are other Mines in the neighbourhood of Lennoxville working to some extent, but we have been unable to obtain any detailed information respecting them.

On Lake Huron, the Messrs. Taylor Bros. have continued to mine copper ore on the Bruce, Wellington and Huron Copper Bay locations. They have employed about 300 men and boys, and exported about 2,800 tons of ore, and retain some on hand. Works are being erected for the reduction, a large scale, of the poorer ores, and the tailings, by a modification of the Henderson process, and a few tons of metallic copper have been already produced in this way.

In New Brunswick the Casco Bay Copper Co. y have continued work during the year, but the product has been small. An English Company has commenced to work under the direction of Mr. Waters upon an adjoining Island in Casco Bay. A wonderful discovery has been made on the Island of Grand Manan, and the property was purchased by some Halifax parties. Capt. Gifford was sent out by John Taylor & Sons, of London, to examine it. He describes the deposit as nearly horizontal, lying between the red sandstone and trap, and having a length of nine miles by a width of six miles, and a thickness of from four to seven feet. The percentage of Copper is however, low, averaging from three to four per cent.

**Iron.**—The St. Maurice Iron Works have been carried on as usual with great success by Messrs. John McDougall & Sons, of Montreal, and the Radnor Forges by Mr. LaRue. All the iron that can be produced commands a ready sale at a good price in Canada, particularly in Montreal. We gave an account a few days ago of a new Iron Company—the St. Francis—which has been in operation only about a year, and so far with good success. The works are situated at St. Pie de Guire, nine miles from St. Michel, on the Yamaska River, while the two preceding are in the vicinity of Three Rivers. The Moisie Iron Company have discontinued operations for the present, owing, we believe, to some disagreement among the Company.

In the Hastings region, mining operations have been confined principally to iron and gold, the Bismuth and other mines having stopped. The Coburg, Peterboro', and Marmora Railway and Mining Company have had a large number of men at work at the "Big Ore Bed," on Crow Lake, in Belmont Township, commonly called the "Marmora Iron Mines." The ore is found to improve greatly in depth, being nearly free from sulphur. It is sorted into No. 1, 2 and 3 grades—No. 1 and 2 being exported to Pittsburgh and Chicago, while the No. 3 ore is retained for the present at the mine.

In Nova Scotia Iron Mines near Londonderry have produced about 5,000 tons of ore, used in the furnaces of the Acadia Iron Company. Chat