

WIRE-ROPE

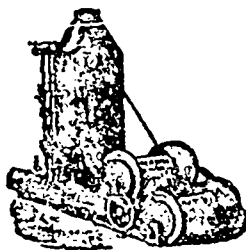
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## MINING.

The annual statistical number of the *Engineering and Mining Journal*, containing the mineral statistics for 1891, is a most valuable compilation, and reflects great credit on the enterprise of its management and the painstaking work of its editorial staff. It is not a mere compilation of dry statistics, but each mineral is exhaustively treated, mineralogically and economically, by distinguished specialists. Its ores, method of winning, history of production, uses and price being most lucidly and interestingly set forth. It is not confined to the minerals of the United States, but statistics and able articles are furnished from all parts of the world, the minerals of the different Provinces of the Dominion receiving careful attention. The article on nickel gives full information in regard to the Sudbury district, and further particulars are furnished under the heading of Ontario. John Stewart, M. E., treats of Canada, and adds a table showing the mineral production of the Dominion from 1885 to 1890, both years inclusive. There are special articles on Ontario, Quebec, British Columbia and Nova Scotia describing the minerals and localities producing them, with a history of the operations during 1891. The article on British Columbia is written by George E. R. Ellis, M. E., while that on Nova Scotia is by our highest authority, E. Gilpin, Jr., M. E., Inspector of Mines. It is a concise summary of the year's work, and is of such great interest that we reproduce it in full, and shall in future issues draw largely from the rich mine of information furnished by the foremost mining journal in the world.

"During the year 1891 the mining industries of this Province have shown little advancement of a startling character.

**COAL.**—The total output of the collieries for the year is 2,046,000 tons (2,240 lbs.), compared with 1,984,001 tons in 1889, the increase being absorbed in Nova Scotia and Quebec. The trade up the St. Lawrence continues to grow steadily, but that with the United States shows no improvement. The largest individual output was from the Springhill mines, being 161,000 tons. Many improvements have been introduced in the way of iron heapsteads, screens, ventilators, etc., and the Jeffry and Ingersoll coal cutters. The outlook for next season's work is, so far as can be judged at present, encouraging, and efforts will be made to put all the pits in a position to give an increased output next year.

**COPPER.**—The Eastern Development Company has continued opening its mine at Coxheath, and has now taken out several thousand tons of ore, but has not commenced regular mining. The amount of ore in sight would warrant the erection of smelting works, etc. Discoveries of copper ore have been reported from several localities, but little work may be expected before the Coxheath mines are started.

**GOLD.**—From the returns so far received it is estimated that the total yield of gold this year will be 20,750 ozs. from 45,000 tons of quartz, etc. During the year a number of mines have been closed which had too much surface development, while a number of the older mines kept on working steadily. None of the yields were notable except one from Uniacke, where 60 tons of ore yielded 768 ozs. of gold. Some examination has been made into the question of alluvial mining here, and there appears to be good reason for considering the alluvium of many parts of the Province auriferous enough to warrant systematic testing.

**IRON.**—The furnaces at Londonderry have been run steadily on ore from the Cobeguid mines, and from Torbrook, in the Annapolis Valley. The production of pig iron has been 19,800 (long) tons. The plant is being enlarged with a view to doubling the production next season. The New Glasgow Iron and Railway Company is about completing its smelting plant at Eureka, Pictou County, and has 12 miles of railway completed to its iron mines at Springville. It expects to be in blast next May. A charcoal iron furnace is being built by Pictou people in the same district. The total production of iron ore was 60,000 tons.

**MANGANESE, etc.**—There is little else to report. About 50 tons of manganese have been returned.

**PLASTER.**—The quarries around Windsor, Hants County, have been kept employed, and the output from the province is about the same as last year, viz., about 150,000 tons. Two quarries in Cape Breton have shipped several thousand tons to New York.

**SUMMARY.**—The mineral production of the Province in 1891 may be summarized as follows: Coal, 2,046,000 tons, valued at \$3,069,000; gypsum, 150,000 tons, valued at \$127,500; iron ore, 60,000 tons, valued at \$120,000; manganese, 50 tons, valued at \$3,750; gold, 20,750 ounces, valued at \$496,700; total value, \$3,726,250.

## MINERAL PRODUCTION OF NOVA SCOTIA IN 1889 AND 1890.

	1889.	1890.		1889.	1890.
Gold, ounces.....	24,175	24,358	Barites..... tons..	.....	.....
Iron Ore..... tons..	45,000	51,191	Grindstones, etc. "...	18,000	8,385
Manganese Ore.....	50	50	Molding sand.. "...	170	170
Coal raised.....	1,984,001	2,046,000	Antimony Ore. "...	55	26
Coal made.....	35,279	35,279	Limestone.....	19,000	35,000
Gypsum.....	147,344	146,000	Copper Ore..... "...	500	1,000

\*Ton of 2,240 lbs. †Amount exported. ‡Value in dollars."

**MONTAGUE.**—The sale of the Annapolis, Rose, Montreal, British American and Lawson properties at Montague has been finally completed, and while the vendors have received a large price the purchasers have got good value for their money. The mines will soon be extensively and economically worked, and the probabilities are that large dividends will reward the English shareholders in the strong company organized with the object of purchasing and developing Nova Scotia gold mines.

Mr. Woodhouse, M. E., and his associates have simply accomplished wonders in floating a gold mining company in London at such short notice

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