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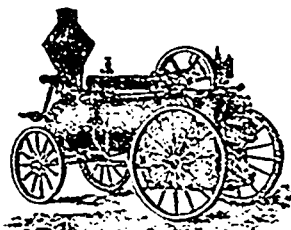
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Chemical Laboratory, Dalhousie College,
Halifax, N. S., July 31st 1891.

Within the last few months I have purchased promiscuously, at RETAIL GROCERY STORES in this City, packages of

WOODILL'S GERMAN BAKING POWDER,

and have subjected same to Chemical Analyses. The samples were found to consist of Fresh, Wholesome Materials, properly proportioned. This Baking Powder is well suited for family use, and has been employed, when required, in my own house for many years

GEORGE LAWSON, Ph. D., L. L. D.
Fellow of the Institute of Chemistry of Great Britain and Ireland.

MINING.

CANADA.

From Annual Statistical Number of The Engineering and Mining Journal:

By JOHN STEWART, M. E.

(Continued)

In the Buckingham district the Phosphate of Lime Company's mine at High Rock has produced about 600 tons a month, with 175 men employed. In July new ground to the northwest of Cap Rock pit was opened. At present 50 men are employed. The Canadian Phosphate Company operated the Union mine during the season. The Central Lake Mining Company was formed by Mr. S. P. Franchot and Capt. Macnaughton, of Buckingham, and American capitalists to mine phosphate lots 7, 8, 9 and 10 in range 1st, Portland West. About 1,000 tons were hauled while the sleighing lasted, and mining progressed during the season. The General Phosphate Corporation, Limited, has operated the High Falls and Ross Mountain mines and constructed plants at both mines, the want of which has necessarily curtailed the output hitherto. At the Ross Mountain mine a bedded deposit of phosphate was discovered on the east or river side and was worked. The first shipment of 600 tons was made in May to Hamburg. Mr. S. P. Franchot, with American capitalists, has organized the Emerald Mining Company to work the old Emerald mine of the Ottawa Mining Company. The Dominion Phosphate Company operated the North Star and Washington property near the Emerald mine. The Little Rapids mine was worked with a small force by W. A. Allen, the owner. The Anglo-Continental Guano Work Company worked the Etna and Star Hill mines during the year. The Dominion Phosphate Company, Limited, suspended work at the London mine near Little Rapids in May.

The majority of the phosphate mines are closed for the winter on account of the local government placing a royalty of 3 per cent. on the output of all minerals, and are awaiting the results of the passing of the bill or the petitions to have it disallowed. The High Rock with 50 men and the High Falls with 90 men are the only mines at present being worked. The locks at Little Rapids were completed this fall and the dam is to be constructed this winter, which will raise the water 12 ft. and give uninterrupted navigation from Little Rapids to the High Falls and greatly benefit the mines on the upper part of the river.

The shipments of phosphate rock from Montreal during the season of 1891, as per Custom-House manifests, aggregated 14,009 tons, as against 21,762 tons in 1890. The shipments each year were distributed as follows:—

Destination.	1890.	1891.	Destination.	1890.	1891.
Liverpool.....	11,193	6,972	Queenstown.....	84	.....
London.....	4,446	2,755	West Hartlepool....	.....	650
Hamburg.....	2,805	840	Cardiff.....	.....	300
Gt. Sgow.....	1,752	1,411	Bristol.....	.....	284
Hull.....	820	60	Leith.....	.....	187
Grimsby.....	422	125	Antwerp.....	.....	150
Newcastle.....	200	225	Fleetwood.....	.....	50
Swansea.....	130	.....		
				21,762	14,009

GRAPHITE—The property in the Buckingham district owned by Mr. Walker, a lawyer of Ottawa, has been operated to a small extent during the year, with a view to effect a sale, which did not, however, materialize, and the miners quit work as the pay was behind. Another graphite property near Donaldson's Lake has been operated by Mr. Jacob Weart, president of the Graphite Lubricating Company, of Jersey City, N. J., and a new process and plant employed with, it is said, satisfactory results. Shipments of dressed graphite have been made from this mine.

IRON—The Bristol iron mine near Ottawa has been leased on royalty for a term of years by Messrs. Ennis & Co., of New York. The engine house was destroyed by fire in April, and was rebuilt with the addition of two roasting kilns, crushers and elevator, which gives the plant a capacity of handling 100 tons of ore per day. The mine closed down in July with 10,000 tons of ore on hand. This ore is mined for export to the United States. There are two companies operating charcoal blast furnaces in the Province of Quebec at present, both using bog ore and producing car-wheel pig iron. These are the Canada Iron Furnace Company, Limited, at Radnor, near Three Rivers, which uses local ores and manufactures for the Canadian Pacific Railway, and Messrs. John McDougall & Sons, at Drummondville, who use ores from the Ottawa Valley and manufacture for the Grand Trunk Railway.

LEAD—The Galena mine at Lake Temiscamingue produced about 175 tons of concentrates assaying 16 oz. silver per ton and 70 per cent. lead during the year. The first shipment of 75 tons was made to the Balboch Smelting and Refining Company in January. The shaft was sunk 25 ft. during the winter, and at 125 feet water was struck in such volume that the mine was closed down in March. Drifts had been driven at the 100-ft. level, and the mine at this depth was practically valueless.

MICA—In the phosphate districts of Kingston and the Rideau Canal, in eastern Ontario, and in the Templeton district of Quebec a large number of properties have been worked for amber or colored mica for the use of electrical manufacturers. This class of mica is found associated with phosphate veins, at times occurring on the walls, and at times forming the whole vein filling. It is exported to the United States and England; both in the rough and in cut and split forms. Statistics of output are not obtainable at present, as the shipments are made in small lots.

(To be continued.)