

MINING IN CANADA.

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It is gratifying to observe that Mining in Canada assumes more of the character of a settled industry every year. Recklessness appears to have worn itself out.

ONTARIO.

Gold.—I am informed by Professor Bell, of the Albert College, Belleville, that "the tendency of the past year's operations has been towards the extinction of bogus enterprises and the discontinuance of unprofitable works, rather than to the establishment of new ones, or the realization of "merchable profits from mines or mills." This is, perhaps, the best work that could have been done in the late Quinte Gold Mining Division during the past twelve months; and now that it is in the way of being done, honest mining may have a chance.

Since the last issue of the *Year Book* many companies and individuals have spent large sums in erecting crushers, and in other gold mining operations in this district, only to give it up in disappointment. However, the following mines promise fairly:—The Richardson, the Feigel, those of Messrs. Turley & Gilbert, and the Messrs. Cook in Marmora, and that belonging to Messrs. Mallory & Morton at Mallorytown,

The Richardson Mine is still idle, owing to litigation. The ore is capable of yielding, by amalgamation, \$5.50 per ton, and will pay fairly if worked on a sufficiently large scale, and with a capital reduced from the present inflation of that of the Company.

The Feigel Mine recently supplied the Severn Mills with ore. The returns were good, but kept secret. It is now intended to erect a crushing mill on the Feigel lot.

Messrs. Turley & Gilbert have been working for some little time with good results, on lot 6 in the 9th concession of Marmora. Messrs. Cook, of Toronto, have bought a good deal of property in this township, including the famous "9 in the 9th." They are about to erect two crushers. The mill of Messrs. Mallory & Morton, at Mallorytown, has commenced to run, with fair prospects.

The amount of gold actually raised in this district during the past year, exclusive of that taken by Messrs. Severn & Co., from the Feigel Mine, the amount of which is unknown, cannot exceed from \$1,500 to \$2,000. About 70 men are employed in the mines and mills and in prospecting.

For all information on the gold mines of Ontario I am indebted to Professor Bell, who adds that "if the gold mining prospects are more restricted in extent, they are much healthier in character than "they were a year ago."

Silver.—Operations in silver mining are still very limited, but such cannot be the case much longer. In the Montreal Mining Company's report (17th February, 1869) we read:—"It is gratifying now to report that the anticipations of last year have been fully realized, and that Mr. Macfarlane's active and scientific researches have been crowned with success by the discovery of a rich silver-bearing vein on a small island, the property of the Company, forming part of Wood's location at Thunder Cape. The presence of the same precious metal, though in smaller quantity, has also been ascertained, by Mr. Macfarlane, on another, the Jarvis location."

Though little work appears to have been done, and I have failed to ascertain the quantity raised, the great value of the Thunder Cape discoveries will appear from the following statement of the assays of four samples:

"No. 1.—Selected from a quantity of 93¼ lbs. of the richest specimens, one of which weighed 41 lbs.
 "No. 2.—A sample obtained by drilling six holes through a mass of veinstone, 3 feet in length and 12 to 16 inches wide by about 6 to 12 inches thick, and weighing 481 lbs., the holes being so arranged as to penetrate the poorest and richest portions of the mass.
 "No. 3.—A sample taken from 250¼ lbs. of veinstone regarded as of ordinary and rich quality.
 "No. 4.—A sample taken from a quantity of 511 lbs. set aside as "smalls" and poor portions of the veinstone.

"I consider the above, as put up in labelled phials by Mr. Macfarlane, to be fair average samples of the specimens examined by me, and stated by Mr. Macfarlane to represent fairly the productive portion of the vein as reported on by him.

"J. W. DAWSON."

The following table gives the results found by the several assayists, the ten being taken at 2,240 lbs., and the value of silver at \$1.24 per ounce Troy. This value is based upon the price now quoted in England for bar silver, namely, 5s. 0¼d. sterling per ounce:—

	PERCENTAGES.				
	No. 1.	No. 2.	No. 3.	No. 4.	Aver.
Professor Chapman.....	14.96	7.82	5.27	1.71	5.523
Dr. Hayes.....	41.17	11.26	5.82	1.18	8.471
Mr. Macfarlane.....	13.14	7.3	4.91	1.82	5.168
	OUNCES-PER TON.				
	No. 1.	No. 2.	No. 3.	No. 4.	Aver.
Professor Chapman.....	4,886	2,574	1,721	538	1,804
Dr. Hayes.....	15,064	3,678	1,901	385	2,767
Mr. Macfarlane.....	4,292	2,384	1,613	594	1,690