

authority, that the process of treating refractory ores at Deloro has proved a success. This success may bring the cost of extracting gold from refractory rocks down to something like the cost of getting gold out of free milling ores.

An option, at \$12,000, has been taken on the Craig mine, a few miles from Bannockburn, by Toronto men. The owners of the property are James Maitland, Bannockburn; Mr. Vankleek, Hastings County Roads Superintendent; City Clerk Robertson, of Belleville, and Col. Brown, of that city.

(From the Bancroft Times.)

Mr. Walter Whitefoot left us some fine specimens of graphite from his property near town; he also has a good showing of copper ore. The specimens were taken from the surface.

Mr. James Best gave us a call on Monday while on his way to Belleville. He reports things in readiness to begin developments at his copper mine as soon as spring opens. The appearance of the surface ore is most encouraging.

Mr. James Lavoy, of Bangor, reports that the corundum extends beyond the limits of the Carlow deposit and is being located through Bangor. The development of this rare and valuable mineral, which exists in an almost inexhaustible quantity, will be a great boom to the district.

At the depth of four feet, the Jackson mine, near Ormsby, is showing a rapid and steady improvement. The first assay from the cap rock showed a good percentage of both silver and nickel. Mr. R. A. Jackson went to Toronto on Monday to have another assay made, and it is believed that at the present stage of development pay ore has been reached.

A deputation consisting of Mr. Swinney of the Deloro mine; A. F. Wood, ex-M.P.P.; Thomas Cross and Arthur Coe, of Madoc, has urged the Ontario Government to immediately erect a reduction furnace at Madoc to test ores in considerable quantities, so as to be ready to meet the movements in mining in the district that will occur this spring. Assays, of course are properly not regarded as an efficient test of the value of a property. One member of the delegation proposed that as the Government had 40,000 acres of mineral lands north of Madoc, they should dispose of 5,000 acres of it at \$2 per acre, and so secure the \$10,000 necessary for erecting the proposed reduction works.

It appears that there is now no doubt the Canadian Gold Fields Co., an English company, operating at Deloro, Hastings County, can by means of its bromo-cyanogen process, treat the mispickel gold ores of the region. It is said that 92 per cent. of the gold can be saved by the process, and the cost of treatment is only \$2 per ton. If this be true even the low grade ores averaging \$8 or a little more can be made to return money. The Deloro Company referred to have incurred an expenditure of \$350,000 in acquiring land and plant, and it is proposed to increase the expenditure to \$2,500,000, and even, it is said, to increase the reduction plant to a capacity of 1,000 tons a day, but we doubt the early increase to what would be equivalent to a milling capacity of 500 stamps.

The Campbellford Herald says:—We have been informed of the discovery of a valuable marble quarry in North Hastings, which will be of interest to the building trade as well as to monumental dealers. It is a pure silica lime-stone, and when dressed or polished will

become harder, and is destined to take the place of granite or any marble for building rough or for the finest finish. The quarry is situated on lots 9 and 10 in the seventh concession, on the north shore of Salmon Lake, near St. Ola, in the Township of Limerick. We learn that Mr. J. E. Appleby, M.E., of Toronto, one of the owners of this property, has a gang of men now at work taking out stone for the trade, and has already many orders for a considerable quantity. The working of this quarry will place within the reach of the building trade a stone that will answer all purposes equally with the best imported and at a lower rate.

(From the Marmora Herald.)

Mr. Peter Vesterfelt, of Warriston, has been engaged as prospector by the Canadian Gold Fields Co., Ltd., and is now prospecting in Belmont township.

The mineral rights on lot 13, in the 9th con. of Marmora, have been purchased by the Canadian Gold Fields Co., Ltd., from the North American L. S. & A. Co.

The undisposed machinery of the North American L. S. & A. Co. was sold by auction to Messrs. G. Kruger, of Newark, N.J., and Geo. C. Clauson, of New York city, for \$700. Jason Tice, auctioneer; W. J. Joyce, bidder.

(From the Kingston News.)

Mr. John F. Keller, Croydon, owner of the Keller gold mine, which is situated in the eighth concession of Camden, east of Tamworth, has an offer of \$30,000 for the mine from the following Picton parties: Messrs. Herbert S. Miller, T. Wilson, Harrison and Geo. Hepburn. Mr. Keller has the offer under consideration.

The gold in the mispickel ores of North Hastings runs from \$8 to \$16—occasionally very much higher—to the ton. To extract it by the bromo-cyanogen process costs only \$2 per ton, which may possibly be covered by the results of a valuable by-product, arsenic. Inasmuch as fully 92 per cent. of the gold in the substance treated is said to be recovered, it will be seen that a very handsome profit indeed remains to reward the lucky investor. North Hastings, let it be distinctly understood, is no place for the old-fashioned and simple mechanical process in vogue for the treatment of quartz twenty or thirty years ago. Ores can be found there capable of being treated profitably that way, but only in pockets. The regular ores of the district must be treated chemically. This means that whatever is done must be done by joint-stock companies, with large capital, and not by individuals. Canadians who are not fortunate enough to own stock in such companies will not get the cream of the business. But the employment that will be afforded to hundreds of hands, the market that will be developed for farm products, and the money that, in various ways, will be put into circulation, will give a substantial impulse to trade throughout the Bay of Quinte district.

Manitou

The Neepawa Gold Mining Co., Ltd., says the Rat Portage News owns a rich property of 106 acres 18 miles south of Wabigoon. Nine leads so far have been discovered; only one vein has been developed. This vein is on location McA. 28, Upper Manitou. A shaft is down 50 feet and about 60 feet of tunnelling has been done. The vein on the surface is about 40 feet wide and at the present depth it is 44 feet. Hoisting and pumping machinery have been purchased, and it is the intention of the company to erect a

20-stamp mill. Other leads are shortly to be opened during the summer. Mr. Alston is manager of the mine. The directors are: Jno. A. Davidson, of Neepawa, President; Hon. Dr. Harrison, Vice-President; B. R. Hamilton, Secretary-Treasurer; Jas. H. Davidson, of Neepawa, and Alex. Trotter, of Brandon. The capitalization is \$1,000,000 in \$1 shares. 100,000 shares have been taken up.

Seine River.

The Security Gold Mines Development Co., Ltd., is organized to acquire gold and other mining locations in the Seine River, Rainy Lake and Manitou districts. The officers are: President, J. C. Foley, of the Foley Mine; Treasurer, Fred. J. Bowman, of Rainy River City, Minnesota; Secretary, D. M. Tracey, of the Foley Mine, and Mining Engineer R. H. Flaherty, of the Foley Mine.

Sudbury.

The Trill Nickel mine, 25 miles from Sudbury, is working its full capacity, with 75 or 80 men employed. It has now attained a depth of about 200 feet. The Murray mine (H. H. Vivian Co., of Swansea, Wales), is partly flooded. It is probable that operations will shortly be recommenced.

About 30 men, says the Sudbury News, are employed at the Crystal Mine, Mr. Chew is in charge of a gang getting out timber for a saw mill which will be erected at Wahnapitae Lake as soon as possible. This will be a boon to mining men as at present lumber has to be hauled from Sudbury a distance of 30 miles. The second car of machinery for the Crystal will be here in a few days and freighted to the mine without delay.

Mr. M. C. Biggar, President of the Citizen's Gold and Coal Mining Company of Sudbury reports that the diamond drill working on the coal property owned by his company at Chelmsford, says the Sudbury News, is making satisfactory progress, and is down about 50 feet. The core brought in shows slate with iron pyrites. Work goes on night and day. The Government drill on the Gordon property is also working steadily.

(Condensed from the Sudbury Mining News.)

Prospectors Kelly and Vrooman at the head of Maskinonge Lake have done much stripping and are commencing a shaft. A vein owned by Pickard, Chapin and Vrooman has widened from 8 inches on the surface to 4 feet at a depth of 10 feet and the showings of free gold on other veins has been good. Prospector Townsend shows fine samples of free gold from the Homestake. The vein is said to be 32 feet wide, with walls nearly vertical and faulted. The vein is much broken and rotten from the oxidizing of the sulphides. The mine is one of the most promising in the Wahnapitae region. S. Greenrod is developing his claim on the Matagamshing Lake. The widest vein is 4 feet, and free gold has been panned from stringers. The Gold Cliff people are tunnelling night and day at Lake Ko Kogaming to strike a vein. Prospector Jessop has sunk a shaft 10 feet on a vein and finds it is widening and increasing in richness with depth. The Sudbury News in recognition of a function it has to perform for the important mining region of which that town is the centre, has changed its name to the Sudbury Mining News.

Eastern Algoma.

(From the Advocate, Thessalon.)

At the Iron Mine at Desbarats eleven tons of ore were blown out at one shot last week.

Some of our citizens profess to have dis-