

(4) From experiments which have been made we believe that we are well within bounds when we say that on the average not less than four pennyweights of gold is lost in the tailings for every ounce recovered in the battery. Ninety per cent. of this loss may be recovered by chlorination.

(5) Experiments have been made on Nova Scotian tailings by the chlorination process by men who are running and have run the process successfully in other parts of the world, and they have reported that the tailings are well suited to treatment by that process.

(6) The cost of concentrating and chlorinating will, we estimate, in this Province be from four to six dollars per ton of concentrates, so it will not compete with the stamp battery where the latter process is applicable, hence there is no fear of any loss to the revenue by the chlorination process supplanting the stamp battery. It is only intended that the chlorination process shall be an auxiliary to the stamp battery to recover gold which the latter is unable to do. The best experts in milling and chlorinating, in fact, almost universally recommend stamping and amalgamating on any ore before chlorinating.

(7) The cost of erecting efficient concentrators is about \$150.00 per stamp, and the chlorination plant will cost anything from \$2,000 to \$50,000, according to its capacity. Surely this deserves some Government encouragement.

We have the honor to be, dear Sir,

Your obedient servants.

(Signed) F. H. MASON.

(Signed) THE BROOKFIELD MINING

" T. R. GUE.

ASSOCIATES.

" B. C. WILSON.

" R. McDONALD.

" CARIBOU CONSOLIDATED

" — BIAS.

" GOLD MINING CO., LTD.

" J. E. HARDMAN.

" GEO. PYKE, President of

" GEO. W. MAYNARD.

" Richardson Gold Mining Co.

" THE CANADIAN MINING

" B. M. DAVIDSON.

INSTITUTE (B. T. A. BELL,

" W. A. ADAMS.

Secretary).

" GEO. W. STUART.

" GEO. E. FRANKLYN.

" JAS. A. FRASER.

" JACK BELL.

" J. D. COFFLAND.

" A. A. HAYWARD.

" A. DIXON.

And others

A find of gold is reported from Langville's Lake, Lunenburg County, but no particulars are to hand at present.

Some three or four gold mining propositions are just now being entertained by English and Scotch capitalists, and it is more than likely that before the end of the present year one or two strong British companies will be operating in the Province. The properties under consideration have good records, and given good management (a feature which, we regret to say, past British companies cannot boast very much about) they may be pretty certain that good dividends will be forthcoming.

Mr. Miner T. Foster has a very fine set of samples of picked quartz from a property in which he is largely interested in Tangiers. Some very pretty samples from the Golden Group property were also on show in Halifax recently.

American capitalists are taking hold of the property owned by Miner T. Foster *et al.*, adjoining the Libbey property at North Brookfield. They have already paid several deposits and evidently intend taking over the property.

Mr. J. Askwith *et al.* have obtained a working bond on the Dunbrack property at North Brookfield which we have already described in these columns.

Ontario.

Our correspondent from Fort Francis writes:—

Active operations are still going ahead upon the Ray claim of "H" 426 "on Bad Vermillion Lake, where Foreman McLean has made a most interesting strike of free gold in their new pit upon No. 1 lode.

The *Aura* is the name by which mining location "K 353" will in future be known. This claim, now under partial development, contains an area of 53 acres, is traversed by two well mineralised lodes, that everywhere yield fine results by pan and mortar tests. This claim also carries the main lode of "K 244," where the Ottawa Company have proved so successful in their strike lately. The *Aura*, it is anticipated, will be operated vigorously this season.

The *Rodi Claims*, situated upon the south shore of Little Turtle Lake, continue to turn out excellent free milling ore in almost every opening so far made. Dr. Coleman, Ph.D., visited the entire series of the Rodi veins and was, apparently, much interested throughout—particularly in their last find, where free gold appears plentifully distributed throughout the surface outcroppings, at or near the line of contact with the schists and slates and the granites to the north. This their latest find is nearly two miles westward from their small mill and their original discoveries. Mr. Rodi is now in Duluth organizing a company to develop his estate.

The *Foley Mine* (Ontario Mining and Milling Co.)—A force of 35 men are employed here. Three drills sinking and drifting. A town site is being surveyed by the promoters of the new company and J. C. Foley, and the contract let for their 20-stamp mill, docks and outbuildings, while lumber from the Rainy Lake City saw-mill is being delivered there by every trip of "S.S. Maple Leaf."

At the Ferguson Camp, AL 110, AL 111, and K 223—now known as the Seine River (Ontario) Gold Mines, Ltd., recently organized in London, Eng. This property had considerable development made upon it before it appeared on the market, and as a matter of fact shows up today as a model of economical development, as well as sterling merit. Their working force is now over 30, but upon the arrival of machinery, now ordered, will be increased to at least 40 men. Their deepest shafts today exceed 60 ft., with much stripping and drifting from the first adit levels.

British Columbia.

Boundary Creek.

A few days ago the large ore deposit of the Copper was struck in the drift at the bottom of the 50 ft. shaft. Considerable interest has centered around the work on the Copper during the summer, as it has probably the greatest surface showing of any claim in the district, and the outlook for the camp, at least as regards the present, depended greatly on whether the deposit held its size and value at depth. The first 20 ft. of the shaft were in good ore, then lime was encountered and, at times more or less mixed with ore, continued to the 50 ft. level. A drift was then started to catch the ore body, and at a distance of nearly 30 ft. it was struck. The ore is now similar to that outcropping on the surface and shows considerably more copper glance. Brown hematite still continues and constitutes a large proportion of the ore. This will make the ore a very desirable one for smelting. At present the drift is in only a few feet in the ore body and its width cannot be stated. Its value, however, is assured.

On the "No. 7" the shaft is now down 80 ft., and the vein is improving considerably in appearance and value.

The Old Republic Mining Co. has suspended work on the tunnels on the "None-such," and the shaft is being continued on the "Last Chance."

T. G. Blackstock, of Toronto, was in during the last month. It is understood that on the report of his engineer, J. B. Hastings, an offer of \$20,000 was made for the "Jewel," Long Lake camp, and it was refused.

In Long Lake camp, on the "Alice," which was recently bought for a small sum, a shaft has been sunk 30 ft. and the vein is showing up extremely well. The work is being continued.

Mr. Wulfssohn, of Vancouver, for the Anglo-Western Pioneer Syndicate (Ltd.), with J. H. Clemes of London, are still continuing their examinations in the district. Until their examination is completed, nothing definite will be known as to whether they will make any investments here.

It is reported that the new strikes made on Pass Creek are, many of them, turning out extremely well, considerable native copper and copper glance being found.

Up Kettle River, 7 miles north of Rock Creek, a number of very promising ledges of high-grade galena have been recently discovered.

The town of Greenwood is rapidly growing. Some eighty buildings have been put up since spring.

In Greenwood camp development is going on on the "Gold Drop," "Snowshoe" and "Monarch."

A contract for the continuation of the Morrison shaft 50 ft. is shortly to be let. This property is owned by the Josie Mining Co. of Rossland.

On the "Denoro Granite," the south extension of the "Jewel," recent work has disclosed a remarkably fine body of ore. The quartz vein is about 4 ft. wide and just below it on the foot-wall is a 2 ft. strip of solid mineral—galena and pyrites.

Word comes from Fairview that the bonds on the "Morning Star," "Stem-winder" and "Smuggler" have been taken up. It cannot be at present learned who the parties are or the amounts of the bonds, but it is understood to be done by Coast parties for English capital. All these are promising milling properties, and if they be thoroughly prospected and worked, Fairview will know better times than it did even in the early days of the Strathyre Company.

The Cariboo, at Camp McKinney, is milling ore from its lower levels of better grade than ever. This company has been regularly paying dividends for some time past.

It is expected that the route of the Columbia and Western Railway will be definitely located this fall. Mr. Tye, the engineer for the railway, is at present making preliminary surveys in the district.

B. C. INSTITUTE OF MINING ENGINEERS.

Favorable to Federation with the Canadian Institute.—A Successful Meeting.

A successful meeting of the recently organized British Columbia Institute of Mining Engineers was held on 6th instant at Nelson, Mr. R. C. Campbell Johnston in the chair.

The question of federating with the Canadian Mining Institute was brought forward by the Secretary, and a letter from Mr. B. T. A. Bell relating to this was read. While the feeling of the meeting was on the whole favorable to uniting, it was not thought advisable to do so without thorough consideration, and on motion of Mr. Howard West, A. R. S. M., seconded by Mr. Hedley, the Secretary was instructed to lay before the Secretary of the Mining Institute the sentiment of the meeting and get all the information possible to lay before the next meeting.

It was proposed that Nanaimo should be the next place of meeting, and the second week in January was selected as the time for this, the day to be chosen by the Secretary and President.

There was some discussion with regard to what constitutes a qualified assayer or mining engineer, and while the meeting was against limiting the phrase to those who