

time of the expert's first report (Nov. 14th) to a depth of 32 feet, and a crosscut on the other claim. The mines are on the north mineral belt of the Trail Creek mining field, the same belt that includes the Le Roi, War Eagle, Iron Mask and Centre Star, and are $3\frac{1}{2}$ miles from Rossland, $2\frac{1}{2}$ from the Le Roi, where down grade connection is made with the Trail smelter, while the proposed line of the Crow's Nest Pass R.R. passes within a few feet of the properties. The vein has 20 feet width on surface and is well defined and half a mile of it traced, and increases with depth. At 30 feet the hanging wall only was in sight. 60 feet was reached towards the end of January and in good ore. Surface assays in the Electa showed \$5.60 per ton, and \$30 at 32 feet. Development indications, we judge from expert's reports, are favorable to making a good mine. The board of directors embraces several of the most substantial, trustworthy and careful of Waterloo county people. Wm. Roos of Randall & Roos, Berlin, is president; Dr. H. G. Lackner, Berlin, vice president, and Jno. R. Eden, secretary. The capitalization is 1,000,000 shares of \$1.00 per share, non-assessable. The treasury stock for development is a quarter of the sum.

NOTICES.

A FEW days ago we visited the works in Toronto of the Metallic Roofing Co. of Canada. We were surprised at the excellence of the work produced. The office of the company is a frame one, but seems from a front view to be built of brick with stone foundation, so perfect is the fire-proof steel wall. The roof is of metallic plates and gives the appearance of being tile clad. At the rear of this building steel clap boarding covers a part of the exterior. Within the office steel ceilings and steel lathing and steel walls are used. The whole inside and out could readily be taken apart and put together. The material is very light, yet the building offers complete protection from winter winds as well as from fire. Inquiries as to cost of the different manufactures in use proved that buildings covered with metallic siding and roofing can be erected at a lower first cost than ordinary frame buildings, besides being better able to resist fire than brick structures. In fact, we have no hesitation in recommending these manufactures to mining and lumbering firms, as well as to people who wish to erect handsome buildings at a low cost. The part of the Electric Light Company's buildings not destroyed by the fire a few weeks ago was the part clad with metallic siding and roofing. Of late a number of good structures in Toronto have adopted this covering not only for fire protection and economy but for appearance.

THE PETTEWAWA COAL.

MR. PARKER WILLIAMS of Pembroke, who was brought up amongst the coal fields of Wales, and is therefore competent to speak with authority with regard to coal, was much interested by the report of the discovery by Mr. M. Millar of coal deposits in Pettawawa township, given in last *Observer*. Mr. Williams drove out to the home of Mr. Millar, and that gentleman showed him samples of the coal from the deposits which he said he had discovered; these samples Mr. Williams unhesitatingly pronounced to be coal and good coal too. He brought samples of the coal home, and burned it partially together with other samples procured from dealers in town, and no perceptible difference in the coals could be noticed after they had cooled.—*Observer*.

In replying to Advertisements in this paper, mention The Canadian Miner.

ACTIVITY AT LAKE OF THE WOODS.

RAPID DEVELOPMENT THIS YEAR.—SOMETHING ABOUT STAMP MILLS.—A RICH GOLD FIELD.

MR. ALAN SULLIVAN, C.E., M.E., of Rat Portage, is closely identified with several important mining operations in the Lake of the Woods gold fields, and is more competent to speak of the many operations and prospects in that district than many people interested in the mines of that region. He is in the city and has been interviewed by THE CANADIAN MINER.

Mr. Sullivan has a very high opinion of the region and its neighborhood, which he believes, in common with all who are at all familiar with the country, will be very shortly the scene of great investment and great mining activity.

The ore, which is free-milling, is remarkably so. Only a trace of silver has been found. Sometimes there are slight traces of galena. The Mikado mine carries bismuthite in considerable quantities, but that is the single exception. The mineral is worth £50 a ton in England.

Mr. Sullivan is connected with the reduction works at Rat Portage. In reply to questions about the relative adaptation of the chlorination process and the cyanide process to the reduction of the concentrates of the Lake of the Woods ores, he said the cyanide process was the best and cheapest for nearly all of them. The works are adding a chlorination plant, a cyanide plant and a plant for electrical precipitation. The larger mines, when sufficient development has taken place, and sufficient ore is regularly mined to keep a mill fully going, naturally erect plants for treating their own ores. But there are many properties continually reaching the stage when they produce considerable ore, yet not sufficient for the time to justify the erection of stamp mills and other reduction plants. For these, until they reach further development, the Rat Portage Reduction Works is doing good work.

Regarding the rich strike at the Cornucopia, Mr. S. did not feel at liberty to give the returns of the assays, but said he knew the average to be the highest yet reached in the district.

As to mines or developments approaching that character around the Lake of the Woods he said the rapidity with which work is being done or being prepared for this season is remarkable. Several properties that had recently been taken over by English or other capitalists are to be pushed at once to a depth of 300 or 400 feet, and 22 or 23, it might safely be said, will reach a depth of 100 feet or over this year, with more or less side drifting.

As to stamp mills, there are the Dominion Reduction Works with 20 stamps, the Sultana with 10, and 10 to be added, the Gold Hill with 10, besides other stamps.

The Cornucopia are to put in 20 stamps, the Makado, 20, the Scramble mines, 20; and several others are not unlikely to have their mills up before New Year. Gold Coin is contemplating putting up 10 stamps, Mascot, 10, Kirby, in the Manitou, 10, the Regina people at the Standard mine, 10. "You may safely say that before Dec. 31st there will be 100 stamps besides those now up—all within 100 miles of Rat Portage."

Then, of course, there are now a number in the Seine River district and there will be many more erected this season.

The Manitou country east of Lake of the Woods, Mr. Sullivan expresses a very high opinion of. Contact veins and true fissures abound. The country is rougher than around the western Shoal lake, where notoriously rich veins are now known. The roughness admits of tunnelling, and while sinking shafts of say 5 feet by 7 feet, costs about \$18 a foot, the tunnelling costs only \$10.

ONTARIO NEWS.

Lake of the Woods.

(Special Correspondence from Rat Portage.)

Mr. Alan Sullivan, of the firm of R. H. Ahn & Co., has left for the east, where he will visit Toronto, Montreal, New York and Quebec, from all of which places the firm have had inquiries in regard to mining properties.

Messrs. Boon & Logan are here in the interests of a syndicate of Toronto gentlemen who have an option on a promising piece of property near Rossland. They have already got their party together, and will begin development at once.

One of the best known commercial houses of New York lately bought two mining locations in the Lake of the Woods district from a well-known brokerage concern, for the sum of \$10,000. Development on the properties turned out so satisfactorily that the brokers in their turn have secured from the buyers an option on the property for the sum of \$20,000.

Mr. R. H. Ahn has received applications for large blocks of property from one of the best known South African mining companies. The very satisfactory development of properties in the Lake of the Woods district is tending to turn the attention of mining capitalists from South Africa to that district. The great difficulties experienced there in regard to water and transportation, do not exist here. If preliminary work turns out satisfactorily, and there is every indication of it doing so, we may look for development on a much larger scale than anything done here up to this date.—A.J.P.

A Toronto firm has made preparations to erect a block at Rat Portage, costing \$60,000.

Within a few days, if report is true, Rat Portage and the gold fields will be the scene of operations of a gigantic syndicate of English capital, whereby several of the mining properties will come under their control; \$2,500,000 is said to be the figure at which the properties will be purchased. The fact is that English and American capitalists have been quietly looking over the ground for some time, and have decided that the Lake of the Woods and Rainy River gold fields are the richest in the world. This deal will likely be followed up by others, which will give an impetus to mining in this district that will throw any former gold fields in the shade.—*Rat Portage News*.

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Sudbury.

(From the Sudbury News.)

The *News* has been shown samples from a new claim in Wahnapiatae, of which Mr. Downing controls half interest. Assay shows \$24.80 gold and 36 cents silver per ton.

Mr. H. F. Downing, foreman for Mr. D. O'Connor of the Comstock mine, reports a 70-foot shaft, width of vein 3 feet, and improving in richness. The force at work will be doubled in a short time.

Mr. Jno. D. McDonald, the patentee of this smelter process, has gone to the Seine River country to examine and develop properties for American and Canadian capitalists. He will be absent about two months.

Mr. T. Pickard has men and teams at work transporting the Crystal Gold Mining Co.'s stamp mill to Wahnapiatae. Mr. Rinaldo McConnell, the manager, says that in a short time they will be turning out gold