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PORCUPINE'S FUTURE A POTENTIAL WONDER MORE CAPITAL NEEDED

A DOZEN OR MORE LIKELY PROPERTIES AWAITING THE SUPPORT OF CAPITALISTS FOR DEVELOPMENT WORK—GREAT STRIDES IN 1916.

"It must be borne in mind that Porcupine was only discovered some five or six years ago, and it takes time, and a considerable amount of time, to turn a prospect into a mine," says R. E. Kemerer, in his weekly mining review, just published, "but, nevertheless, Porcupine has already produced some \$18,500,000 in gold, and it is now estimated that the current year 1916 will show an output of approximately \$10,000,000.

"As written this may not appear a great deal, but considered as a matter of development, and taking into view the fact that this is progressional development, the showing is, in itself, remarkable. What the future will bring in the way of production from the field is a matter of the merest conjecture. We know now that a number of the proven or semi-proven properties are being re-opened after having lain quiet for a long time past—since in fact the time of the great fire in 1911—and that these properties will become productive in the immediate future may now be taken as an accepted fact.

"How many more properties will be opened within the twelvemonth, and will subsequently prove productive, is again a matter of sheerest conjecture. These operating properties will increase tremendously cannot for a moment be doubted. As has been pointed out before, we now confront a situation in the precious metal market such as has never been recorded in history. The demand for gold and silver is now such that the producers must, through the very limitations of their industry, fail to cope with it. This impossibility of meeting the demand, will, of course, have no effect on the price of gold, inasmuch as gold is practically the universal commercial standard, but (and this I wish to particularly emphasize) this condition of affairs will serve to bring into gold mining in general, and Porcupine in particular, unusually large sums of money which may be utilized for development. One of the greatest handicaps of Porcupine has been the inadequacy of the capital produced for development, and now that adequate capital is being secured the future of the camp is placed beyond question."

BURNS BANQUET SUCCESSFULLY HELD ON TUESDAY NIGHT

Nearly two hundred guests were assembled at the Masonic Temple last night, in honor of Robert Burns, the great Scottish poet. The feast was a great success from every point of view, and, in the next week's issue a full report will be given.

A number of gentlemen who had promised to be present failed to appear at the critical moment, but notwithstanding, the evening was well spent in speech, song, reading, and dance.

It is probable that a Burns Club will be organized in the Camp.

Notes, Comments and Opinions Of Interest To Mining World

Col. Alex M. Hay, president of the McIntyre-Porcupine Mines, was in town during the week, on business connected with the property, and left Saturday morning for Haileybury.

Mr. Robert Imrie, secretary of the Success Mines, which was recently taken over by the Triumph Mining Co., said to the Advance on Monday that matters were now in shape for the arrival of Mr. Holmes, representing the Triumph Company. The office had been destroyed by fire recently, but was now replaced. He said that such work on the veins as had been done showed more than promising results.

On March 15th stockholders of record March 1st, of the Kerr Lake Mining Co., will receive the regular quarterly dividend. This dividend, when paid, will bring the total of returns to stockholders since 1905 to \$6,270,000, or 104 per cent, after re-

HOLLINGER IS BIGGEST PRODUCER IN THE WESTERN HEMISPHERE

The objective of the near future at the Hollinger-Aeme plant is to crush 100,000 tons of ore every four weeks. The capacity of the mill is being increased and within 18 months the production of gold will be at the rate of \$13,000,000 or more per year, with net profits of over \$8,000,000. When one considers the vast ore bodies of Porcupine it is plain that this result is only a question of time and mining. If the great war was over and the large mining capital which is administered from London were available we would soon have a dozen Hollingers and a greatly increased production. The Rand began in 1884 with only \$50,000, but it has gradually increased, until now the annual output is about \$175,000,000 and the grand total \$2,300,000,000, and this is practically all due to the application of cyanide of potassium to the extraction of gold. Without cyanide work could not be carried on, for the yield from examination in the Rand is about \$65,000,000 per year, while the dividends are barely \$50,000,000.

Porcupine has now been abundantly proved. We know the gold is there in very great quantities and we have learned how to mine and mill it to the best advantage. The Hollinger is now the biggest producer and the most profitable gold mine in the western hemisphere. When we compare it with the Goldfields Consolidated of Nevada, capitalized at \$35,591,480, the superiority is plain. In November last its total production was \$199,800 and profits \$52,783 from 32,160 tons of ore, whereas in the last four-weekly period the Hollinger recovered \$293,665 and made a net profit of \$184,769 on 28,401 tons. If Canadians were alive to their opportunities Porcupine would be moving at a much more rapid rate to its ultimate goal. Most of the other gold fields of the world have seen their best days. We have virgin ground; besides we have profited by the knowledge gained in other fields. Gold mining is undertaken now, not as a speculation, but as a solid profit making industry.

Another Deal For Delora Township

The Maidens-McDonald properties in Delora Township are again being put in shape for examination. The shaft is being dewatered this week, and within a few days a well-known engineer, representing very strong financial interests will arrive in camp to make preliminary examination of these properties. This group of claims is situated about 13 1/2 miles south-west of the Dome Mines, and has always been regarded favorably by local mining men.

Annual Meeting of Porcupine Crown

The annual meeting of the Porcupine-Crown was held yesterday at Montreal. Details of the meeting will not be available before Saturday next, but it is understood that a very satisfactory report was presented. It is learned that a large body of ore was blocked out during the past year, and development work, on the whole, has been a decided success. This increased tonnage will probably offset any likely decrease in values per ton.

Notes, Comments and Opinions Of Interest To Mining World

Mr. A. K. Stewart passed through the Jamieson claims a few days ago, on his return from Kamisotia Lake. He reports that very substantial camp buildings have been erected, one measuring 40 x 30 feet, and that preparations have been completed for a vigorous test of the property forthwith.

Mr. Stewart also reports that the Power Company is engaged in cutting off the stumps on the road from Timmins to Sandy Falls, along the transmission line. Excavations for foundations for the new turbine is almost finished, and it was necessary to get the road into condition to permit the hauling of the new turbine, which weighs 18 tons. This turbine, when installed, in the spring, will double the capacity of the plant, which is much needed to meet the rapidly increasing demand for power.

McIntyre-Porcupine Progress For Quarter Ending Dec.

PRESIDENT HAY MAKES SATISFACTORY STATEMENT—MILL RECOVERS 95.42 PER CENT OF 26,160 TONS—VALUE \$7.39 PER TON, SHOWING \$193,261 GROSS—OPERATING COST IS \$4.16 PER TON, AND NET PROFIT \$75,485—SOME VERY EXTENSIVE ORE BODIES HAVE BEEN LOCATED.

The report just issued by Col. A. M. Hay, President of the McIntyre-Porcupine, covering the quarterly period ending December 31st, 1915, should prove to be very satisfactory reading to the shareholders of the Company, and to all who are interested in the development of the Porcupine district. This mine, and its affiliations, some time ago passed out of its boyhood state, with all the doubts and uncertainties incident to that stage of existence, into that of "a hobbie-de-hoy, a something between a man and a boy." All of the troubles of this troublesome period have been overcome, and the properties are now entering into the full stature and dignity of a producing and paying mine.

Three Month's Production.
During the three months under review the mill treated 26,160 tons of ore, of an average value of \$7.39 per ton. The gross value of this millage was \$193,261, and the recovery 4.58 per cent less or \$184,233. The operating cost, under unfinished conditions as to plant it should be remembered, was \$4.16 per ton, amounting to \$108,748, leaving an operating profit of \$75,485, or at the rate of over \$300,000 per annum.

Development.
At the No. 4 shaft on the south side of the lake, there have been no recent developments of importance in the workings, which continue to give a steady production of milling ore. This shaft, which is now 600 feet deep, will be sunk to a greater depth in the near future. During the period there have been several important developments in the workings at No. 5 shaft, which has been sunk to a depth of 700 feet. Some extensive ore bodies have been located, and are now being opened up on various levels.

On the 4th level a vein 15 feet wide assaying \$8.00 per ton, has been cut to the north of No. 5 vein, and is either a new vein or an extension of No. 5, on which a large body of ore had already been opened up, on this level. On the 5th level No. 5 vein in the west drift is at present 25 feet wide, with an average value of over \$10.00 per ton. The continuation of this vein to the east of the cross-cut has been picked up where a fault was encountered, displacing the ore about 6 feet. On the 6th level a cross-cut is being run to the north to intersect a vein recently cut by diamond drilling from the station on that level.

No development work has yet been attempted on the 7th level owing to the present inadequate hoisting facilities, which will, however, shortly be improved. By diamond drilling from

this level, at an angle of 37 degrees, an ore body has been cut at a vertical depth of about 750 feet from the surface, 19 feet in width, and showing by assays an average value of over \$18.00 per ton.

McIntyre Extension.
The McIntyre Extension shaft is now down 985 feet, and will be continued to a depth of 1060 feet in order to make provision for an ore pocket and sump. A cross-cut will be driven at the 1000 ft. level toward the McIntyre No. 5 shaft. This work will explore the ground between the two shafts and enable the workings of the two properties to be connected up for more economical operation. It should also intersect, at that depth, the ore bodies already referred to on the McIntyre property, to the north of No. 5 shaft, which will be development work of very great importance.

McIntyre-Jupiter.
The raise at the No. 1B shaft of the McIntyre-Jupiter has been completed from the 300 to the 200 foot level. This will be used as a working shaft for the present. A new head frame embracing a crushing and sampling plant is being installed, and the new compressor plant and mining equipment has been shipped and should shortly be on the ground. It is expected that active mining operations will be commenced by the time that the McIntyre new mill unit is ready to receive and treat ore from this property.

Mill Construction.
The extension to the mill building has been completed, but serious delays have been met with in the shipment of most of the material. Cyanide tanks are now in place, and most of the mechanism and piping has been installed. The tube mill is now in transit and shipment of the Ball mill has been promised within a few days (both having since arrived). It is expected that the new unit will be ready to operate about the middle of February, when the total capacity of the mill will be 450 tons per day. The increased milling capacity and the higher values to be expected from the ore bodies being developed on the lower levels should greatly increase the Company's earnings during the present year.

Fiscal Year.
In order to embrace a full period of twelve months from the date of the last report and balance sheet issued to shareholders, the fiscal year of the Company will be closed on March 31st next, and the annual general meeting will be held in the month of May.

PONY RACE PROCEEDS AT RAPID RATE SEVERAL CHANGES

The positions of some of the competitors in the Pony Contest are materially changed this week. Mildred McDougall and Norman Webb still hold first and second places. Peter Nicolson, however, sprinted into 3rd place replacing Mary Daher who goes to fifth place. Aileen Thompson rises from eleventh to sixth position.

A number of the candidates have not reported this week, up to Saturday, so that any votes they may have in hand cannot be credited until next report. Keen interest is developing, and no doubt it will continue so to do, as the time for closing the contest draws nearer.

Following is the list in order of precedence:

Mildred McDougall	326,092
Norman H. Webb	233,075
Peter Nicolson	218,398
Frank Leggett	207,304
Mary Daher	157,586
Aileen Thompson	143,573
Stanley Globe	139,005
Evelyn R. Carson	114,728
Dorothy Harrington	109,873
Eva Poitras	100,429
Retia Lewis	91,118
Thomas Lawrence	80,010
Edla Sims	59,569
Muriel Gilker	56,131
Herbert Cockburn	48,318
Bobbie Chapman	45,833
Anthony Boivin	42,286
Gaetane Demers	40,349
Mary Anna Masson	33,722
Andrew Roberts	30,886
Irene Everard	9,120
Roger Courtenaiche	5,000
Aubrey Carr	5,000
James Perry	5,000

APEX SHAREHOLDERS TO DISPOSE OF SOME TREASURY STOCK

Apex shareholders have confirmed the by-law passed some time ago by the directors authorizing the sale of 700,000 shares of treasury stock at 15 cents a share net. The shareholders have up to Feb. 15th to subscribe and pay for the stock, after which date the unsold portion of the stock would be offered to the syndicate.

HOLLINGER DIRECTORS MEET IN TIMMINS.

The directors of the Hollinger Mine arrived in Timmins on Monday night, to be present at the usual monthly meeting. The annual meeting of shareholders will be held during the month of February, in Toronto.

FINAL NOTICE

To all Subscribers on whose address label appears the figures -15 (referring to the year 1915) will have their names removed from our mailing list, unless they re-new their subscription immediately.
You NEED the PAPER and We NEED the MONEY

PROSPECTOR MISSING SEARCH PARTY RETURN WITHOUT HIM

George Lohner, a German-Swiss prospector, well known in South Porcupine, is missing, and fears are entertained that he has come to an untimely end. He left in the early fall on a prospecting trip in the south-west portion of McArthur Township. He was alone, and expected to return about New Year's day.

A search party, headed by Alex Constadt has been seeking for him, but returned empty handed a few days ago. They found his first camp on the Mountjoy River, where Lohner had posted a notice that he had removed to permanent camp on December 20th. After some difficulty, the search party found the new camp in the swamp, and also a notice saying that he had started for South Porcupine.

Several Indians, trapping in the bush, say they had found what they believed to have been his trail to Chomard Lake, but the trail was not picked up on the other side of the lake. It is thought now that the poor fellow went through the ice on this lake.

Lohner was crippled by hip disease, and had many friends, who have about given up hope of his return alive.

Another Delora Property to Open

Another evidence of the faith of new capital in the Delora section of the Porcupine Camp is the recent deal on the Hamilton-Kilroy-group of claims, in Delora Township, located just north of the Delora Mines, Limited, formerly known as the Pike Lake Mining Co. It is understood that a group of capitalists from Hamilton, Ontario, will spend considerable money on these claims, and that operations will be started about February 1st. This section of the camp has been attracting considerable attention during the past eight months, during which time the Delora Mines Limited has put in a small plant, erected extensive mine buildings, and done considerable sinking.

Immediately to the south, the Rand Syndicate have been working steadily for the past five months, and it is believed that results are very satisfactory.

The formation in this section of the camp is somewhat different from the other sections, and the development is being watched with a great deal of interest by mining men.

Dome Ex. Directors Coming to Camp

The Directors of Dome Extension Mine will arrive in camp Saturday, and will spend several days at the property. W. S. Edwards, President of the Company, who is also Vice-President of the Dome Mines, will be with the party. It is understood that during their visit contracts for extensive diamond drilling will be closed and plans for future development of the property at depth, laid out.

THE TOUGH-OAKES MINE ANNUAL MEETING TO-DAY

The annual meeting of the Tough-Oakes Mining Co. of Kirkland Lake, is being held to-day at Haileybury. A very good report is expected, and in view of changes that have taken place in the ownership of control, a change in the directorate and management may not be unexpected.

New School Board Holds Inaugural Meeting

F. H. STOCKWELL WAS UNANIMOUSLY ELECTED AS CHAIRMAN—MR. T. M. WILSON REMAINS AS THE SECRETARY—TREASURER—MATTERS OF IMPORTANCE ARE DEALT WITH IN A VERY BUSINESSLIKE MANNER—FINANCIAL STATEMENT PRESENTED TO THE BOARD.

On Wednesday afternoon, January 19th, in the Council Chamber, the statutory meeting of the Board of Public School Trustees was held. Mr. T. M. Wilson, the Secretary and Treasurer, occupied the chair pending election of a permanent Chairman. All of the members were present—Ostrosser, Dorway and Marshall being newly elected to serve for two years.

The first business of the meeting was the election of a chairman. Trustees Stockwell and Dorway proposing H. J. Marshall for the post, and

TURNBULL, ROBB AND JAMIESON TWPS. COMING TO LIMELIGHT

A FAMOUS PROSPECTOR WHO WENT OVER THE GROUND THREE YEARS AGO PREDICTED IT WOULD BE REAL CENTRE OF GOLD CAMP.

There has been a great deal of negotiating activity during the past week, regarding various properties in Turnbull, Robb and Jamieson Townships. No doubt the recent deal for the Jamieson claims has served to turn the eyes of the mining public towards this district, which has received more than its share of the knocks incident to the search for gold. In this connection it is interesting now to read an interview published in the Advance about three years ago, given by a well known miner, prospector and practical geologist. He said:

"As an uninterested person and for the benefit of Porcupine investors, I have made a thorough examination of the formation of this country, covering an area of 150 miles, with Porcupine as a centre, and my conclusions regarding the possibilities for a syndicate or company investment is centred in the Jamieson district.

"The showing which has been made in the last few weeks, though not being advertised so extensively, is certainly very encouraging for its future. The formation of this particular district is chiefly a conglomerate of schist quartz, black quartz with rhyolite intrusions, and in one particular case of the Lajoie claim and others nearby crevices cutting the formation are very much in evidence and show considerable free gold and from any point you sample across the 30 foot of ledge matter will pan free gold.

"There is no question that it would be well worth while for named interests to investigate this particular district on the lines of thorough prospecting and mining. The so far prospected claims show good values, and with the cheap power available these large ore bodies can be mined and milled very cheaply on a capacity basis."

"I have read of considerable criticism of this particular district, but it seems they have very little experience of gold zones. This country is practically undeveloped but with the showings they have already made they are not justified in condemning. With good conservative management and practical mining the district will be a winner."

Sweet Claims Reported Sold

It is understood that the Metaganzi Pulp Co. is negotiating for the Sweet Claims, adjoining the Taylor properties and close to the Jamieson claims in Robb Township. No particulars of the deal have yet been divulged, but the move seems in keeping with their recent option purchase of the Jamieson claims.

BIG DOME MINE APPOINTS J. B. HOUSTON GEN. SUPT.

It is officially announced that Mr. J. B. Houston, who has been manager of Schumacher Mines for some time past, has been appointed to the post of General Superintendent at the Dome Mine, and will shortly assume his new duties.

Laub and Smith proposing F. H. Stockwell. Mr. Marshall withdrew his name, and Mr. Stockwell, who is the senior member, in point of service, was declared elected by unanimous vote.

The financial statement was then presented by the Secretary-Treasurer. All accounts were ordered paid, funds having been provided for this purpose.

A number of resolutions were passed, all pertaining to the welfare of the school and its administration.