HIGH GRADE VEIN AT HARGRAVES

Strong Ore Body of Great Promise Close to the Kerr Lake.

GOOD MANAGEMENT

Large Amount of High-Grade Ore Ready for Shipment.

From The World's Special Commis

cobalt, April 25.—On visiting Harthe Kerr Lake property. This shaft down 400 feet, and there has been drifting and lateral work t this level. A winze now being sunk as encountered some very rich ore. is likely that development will be hward in the near future for 1000 feet, so as to more fully explore the South Hargraves lot. There is some very promising ground, and a contact between keewatin and diabase in this

In view of its large acreage and very favorable formation the Hargraves has great possibilities. In Cobalt's early being shipped, there were many erienced mining men who freely licted that the future of the camp be made by the lower grades twould seem that on the Harthere are almost unlimited des of ore which will pay hand somely in view of the great improve-ments in the metallurgy of silver within recent years. Concentration and flotation have materially changed

he aspect of things here. The Hargraves, however, is now get ting a large proportion of unusually high grade ore. But mine owners in this camp have learned that the low grade is not to be neglected. The old dumps will all be treated, and the gleaners will be put to work in the gleaners will be put to work in the opes to gather up all the low ore. This will also very likely ult in the discovery of important lies of high grade as well.

find of 3000 oz. ore was made today at the 75-foot level of No. 1 whaft on the Hargraves. The vein is three inches wide. It is 60 feet from the boundary of the Kerr Lake mine. and will be good for that distance in any event. Just where found the vein is not so strong in the other direction that is, further on to the Hargraves net of backs and 60 feet of length, and

ore, much of it showing native silver. The mine is now being carefully managed, and this is a most important fac-tor in the progress of any property.

There are now 225 sacks of high grade ore awaiting shipment in the storehouse here. A large percentage

of this is of exceptional value. at the property today returns for last month were received from the \$780. This was of low grade, from were treated by the old manent as waste dumps. It is expected that this month shipments will run up to \$1000 at least from these operations. Meantime the high grade ore is increasing rapidly mantity, and a favorable time will

PLANT COMPLETED BY RAND CON.

S. R. Clarke.

Cobalt, April 25 .- The Rand Conhas now completed its plant on the No. 1 copper property, which lies between Cobalt and Sudbury, and it is expected that regular shipments will be started as soon ice clears off the lakes the No. 1 vein assays show \$52 in gold, silver and copper, with occa-sional lenses running up as high as These assay results were obtained from actual shipments from

now at Goudreau taking charge of the Rand Consolidated properties and Consolidated properties
On these claims the large of 300 feet for its entire and one-half miles in length and in

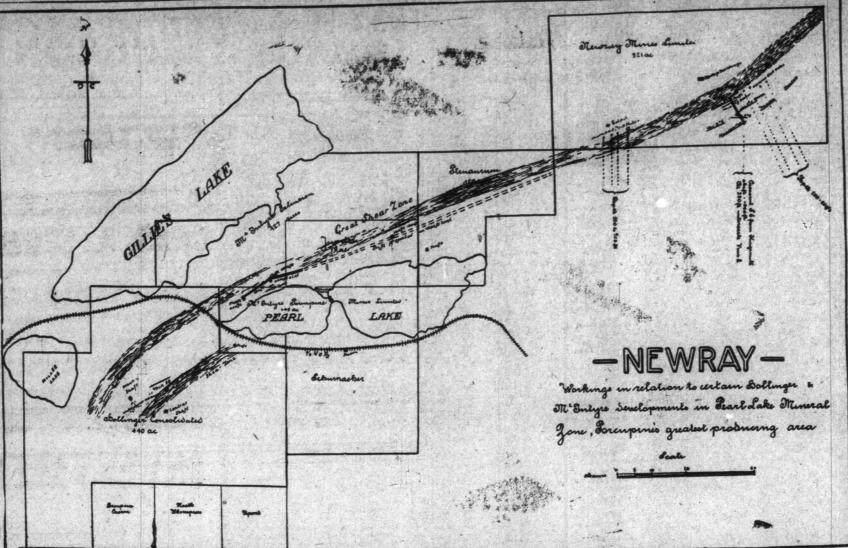
DEAL CONSUMMATED FOR ROGNON MINES

A Rochester group of capitalists have acquired a substantial interest in the Rognon Gold Mining Co., Limited, who have a property south of Dryden, Ontario. It is reported that some very spectacular samples have been taken from the property, and five tons of ore assayed \$29.40 per ton. It is the intention to erect a stamp mill at once, which will be increased as development work progresses.

WORK ON RYPAN TO RESUME

The Rypan of Deloro will resume operations, it is reported, early next The property consists of about 188 acres, and is located a short distance south of the Coniagas. The en an option on the Hennessey claims for a large sum, and active developwork is now under way. The three properties are practically grouped together, and the district has every evidence of proving up to be the next

producing section of Porcupine.
The Rypan formation shows the country rock as keewatin green-There is a large zone of schisting in which several veins have been found. The zone is very wide and can be traced, it is calmed, for near-by 2,000 feet. Quartz bodies parallel each other and the intervening schist heavily mineralized with iron and sopper pyrites. Assays have been very favorable, and if it is found that ore of commercial value is made by mixing the vein matter and intervening rock, development similar to that



OUTLOOK CONFIDENT RICHEST PORCUPINE PROPERTIES FOR M'KINLEY MINE SITUATED ON GREAT SHEAR ZONE

crease in Present Ore

Reserves.

couraging developments in the newer depths found upon the McKinley property. Since the 1st of January especially, the work has been most encouraging. During the last month on the 300 ft. level, one of the new levels, the blind vein produced a large tonnage of mill rock of good grade. The stope also working at the same depth contains a considerable amount of wein matter. Work on what is known as the Lake vein also at the 200 at t as the Lake vein, also at the 300 ft. sion property was effected, its value level, has also opened up an ore body of good grade mill rock. At the 350 ft. level, there are also encouraging signs, but not so much work has been done on this level as on the 300 ft. The description was to secure the right of operation that the Extension main shaft for the the mine to do a considerable amount of exporation work at that level. There existence of large and valuable or is, however, at the 400 ft. level, a vein which has been drifted on for some 100 feet. The values, however, but also on the property of the Expression of the property of the Ex are patchy, but the ere is payable Without any undue enthusiasm, the chances on the 400 ft. level are very

"The ore that we are taking out of the newer lower levels, is of considerably better grade than we have been the constant of the camp, passes diagonally across both these properties, and the per acre value of this part of the Experience of the camp, passes are the constant of the camp, passes diagonally across both these properties, and the per acre value of this part of the Experience of the camp, passes diagonally across both these properties, and the per acre value of this part of the Experience of the camp, passes diagonally across both these properties, and the per acre value of this part of the Experience of the camp, passes diagonally across both these properties, and the per acre value of this part of the camp, passes diagonally across both these properties, and the per acre value of this part of the camp, passes diagonally across both these properties, and the per acre value of this part of the camp, passes diagonally across both these properties, and the per acre value of this part of the camp, passes diagonally across both these properties, and the per acre value of this part of the camp, passes diagonally across both these properties, and the per acre value of this part of the camp, passes diagonally across both these properties. Are Better Grade. for the past year or two. I think I may safely say, and with the desire only to state the barest facts, that there is a possibility that at the end the advice of C. D. Kaeding, M.E., of the year 1917, the ore reserves of managing director of the Dome Mines, the mine will be considerably larger Ltd., they purchased outright both the they were on the 1st of Janu- Extension

extraction of silver.

A New Mill.

"This year the directors have authorized a new mill, sufficient to treat the tailings which had been previously going into the lake. Owing to the difficulties in, procuring machinery, this mill will not be under operation for some weeks, but when it is operating your company will be able to ing, your company will be able to depth of 1000 treat, we trust, at a profit, all the for-doubled below

and wages, increased the actual cost perty about \$5000 per month. Some of you have probably been wondering mine did not show a greater net profit in 1916 than in 1915. The answer, however, is simple. We made the profit, but it was eaten up in in-creased cost of material and wages.

Looking for Prospects. "In pursuance of the policy authorized by the shareholders to endeavor to secure other mining properties, your directors, during the most of last employed a special mining engineer for the purpose of locating and the words of R. J. Ennis, M.E., in researching for new properties. Many ference to the three companies now searching for new properties. properties were presented to the en-gineer for observation and examination these words apply with no less force and out of the many, a few were to the Plenaurum addition. This is found that were worthy of personal shown by the arrangement made on Notwithstanding. ever, the efforts of your officers, we have not yet succeeded in procuping a property that is satisfactory and in which we feel justified in investing

GOOD FIND MADE ON KIRKLAND MIDAS

Kirkland Lake, April 25 .- Superintendent Bruce of the Kirkland Mines property, which is situated the Labelle, Kirkland and the Teck-Hughes, reports the uncovering of a fine-looking vein seven feet wide. The Midas owns six

President Starr Predicts In- Significance of Auriferous Belt Not Properly Rumors of Strike Premature, Understood For Long Time-Interesting History.

place undue emphasis on the already long life of the mine.

The address follows: "Last year I said to the shareholders that there were some very interesting and encouraging developments in the newer late."

Authorities best in the camp, they made adultions best in the camp, they made sections, and so far as mining has proceeded thereon it cannot be said that any part of it will not make good.

The old Pearl Lake Gold Mines, Ltd., Exter the McIntyre Extension, got long fine and a long fine

on this level as on the 300 ft. The deeper development of the Mointyre shaft to the 400 ft. level was only property on the north side of Pearl completed last month and will enable Lake. He adds that the operations

tension Company. The fact is that the great Hollinger Newray shear zone, the high-grade tension is equal to anything in Porcu-

and the Jupiter adjoining ary, 1917.

"Recent changes in the mill have red these properties as "situated in sulted in a considerable increase in the highest grade section of the camp," it on the east. Mr. Kaeding describ and he felt so optimistic about the future of the McIntyre Consolidated that he urged the shareholders ratify the purchases without loss

The old Pearl Lake mines had put down a shaft 665 feet. The Consoli-dated Company carried this to a depth of 1000 feet. Values nearly doubled below 700 feet, and the ore bodies also increased very much mer mill tailings.

"During the year 1916 your propersize. With these favorable developties, as well as other properties in the Cobalt Camp, worked under a constantly increasing cost. The increased cost of powder and other materials, in its history took its place among the big mines of the camp. Its financial troubles and its mining problems became things of the past, and of mining operations of your pro- it was enabled to make still further advances in its great career.

Lately an option has been secured on the Plenaurum, and now there is under the control and administration of the McIntyre Consolidated a total of 471 acres on the great shear These properties are all in one block one to the other, and they lend themselves readily to and economical scheme of development and operation." We are quoting shown by the arrangement made on pawnbroking had anything in common. the acquisition of the latter that it we could understand the attitude of should be developed from the 1000- some shareholders who fail to make

The changes of ownership on Hollinger-Newray shear zone have been marked by great losses and gains The old Pearl Lake mines had an important part of this zone, and strategic position in reference to its ment. So, at one time, the McKinley-Darragh, of Cobalt, in respect of their option on the Jupiter splendid property, one of inestimable of the United States, but it is certain dividends for at least 50 warms. claims on the recognized ore-bearing from over-caution or want of apprecia-zone in the Kirkland Lake camp and tion of its possibilities they forfeited it is anticipated that several good the \$55,000 spent on development, and in progress in the "Glory Hole" at the veins will be picked up in the exportant the great opportunity.

Dome will likely be undertaken.

The Jupiter then fell into the hands the opportunities neglected and for-

The feature of the annual meeting of McKinley-Darragh Mines which was held yesterday, was the address of President J. R. L. Starr.

In spite of the ultra conservatism reflected in his remarks on the development and prosperity at the procupine, and from here, also, the perty, there was a note of optimism which will go a long way toward reassuring diffident shareholders who place undue emphasis on the already long life of the mine. more than 2500 feet on the Jupiter property. And, at the annual meeting of the McIntyre on May 26, 1916, Col. Hay stated that the combined holdings of the McIntyre in the two subsidiary companies, namely the Extension and Jupiter, had then a market value of \$1,500,000. He frankly added "our total investment to date in respect of the two companies is less than \$200,000."

in the consolidation. With the Plenare of the shear zone, and the facilities for exploiting the whole vein system therein cannot be excelled, while their only to actual wages. In case of injury

The queer feature of the whole situation is that when the old Pearl Lake Mines went into liquidation, when the Jupiter was beset with pressing finanial difficulties, when the Plenaurum and Newray were entirely neglected mining men knew that there were double lines of contact between the porphyry and basaltic schist all the way from the Hollinger to the Newray. They also knew that practically all the gold of Porcupine was coming from such formations. At the Hollinger, Dome, McIntyre, Porcupine Crown and Schumacher we have these contacts.
Porphyry means fracture, and fracture says that the more fracture the more

A tongue of porphyry projects for fully 2000 feet westerly from the mass under Pearl Lake. Along the contact between this and the carbonate schist lies the famous No. 58 vein, of the Hollinger Consolidated. Very recently an exceptional streak in this vein producbeen opened up for a length of 100 feet, and yields values of \$50 per ton or better over a width of 14 feet, and 1 vein ever found in the history of gold

Drills Locate Porphyry.

The porphyry on the Newray and Plenaurum does not come to the surmond drilling. Here, as elsewhere, it neans shearing and fracture, and the perforation of the ground for vein for-mation and the deposition of gold. A great deal of money has already been made on the shear zone from the to the latest purchase of Newray. Mark Harris & Co., who acted and it is expected that the report in the latter transaction, are now distributing a large sum as excess profit in respect of the deal.

Among individuals Barney McEneany has probably been most successful. For him Ben Hollinger staked the Porcupine Crown. All told it could not have cost more than \$1000, but Mc-Eneany received \$166,000 in cash and 333,338 shares of stock in the com-

Unfortunately there is sometimes failure to make money, even out of the best properties. If gold mining and foot shaft now going down on the a mine because they require triple se curity for every dollar expended. But a mine is not a pawnshop, and a mine requires a liberal outlay, and it rarely shows an actual return during development, but if not worked properly with adequate capital it should not be touched at all. Mismanagement in some form is the fruitful parent of all the failures at Porcupine.

Many sections of the camp, even now untouched, have enormous possi-It may be better, so far as actual

production goes, that the great shear zone should be divided as it is now

MINERS AVERSE TO BONUS SYSTEM

Definite Yet.

From World Special Commission

Big Profits,

But the profits on the purchase of the workers for two reasons. In the mere control are not a tithe of those which will ultimately accrue to the shareholders of the three companies with the plant worth the increase with the plant worth the plant worth the increase with the plant worth worth worth worth worth the increase with the plant worth wort cannot be excelled, while their only to actual wages. In case of injury have now been abundantly or disability the 55 per cent. would not be payable on the

This bonus, however, has not here-tofore been paid by the mine owner offore been paid by the mine owners of Porcupine, nor even by all those of Cobalit. The payment of a bonus is much preferred by employers because it is more or less voluntary, and can be discontinued readily, whereas, when wages are once established on a higher scale, they are not easily reduced. The miners are apparently disposed to adopt a conclinatory attitude, but from all appearances they will at some time in the near future ask for 60 cents additional per day as wages. Whether this will result in a strike it is now impossible to say. The large mining companies of Porcupine do not seen disposed to grant any increase at pre sent. As has been often pointed out there is no increase in the value of advanced greatly in consequence of the war. The time is certainly inopportune, so far as they are high cost of living does not apply where the charges for board have no been increased.

REPORT PROMISED ON LORRAIN PROPERTY

A complete report work done at Lorrain Consolidatis now being prepared and will made public in the near future. will detail the results from development work and also outline the pos-sibilities as indicated by the drifting on the five-inch smaltite veir on the lower level, where develop earliest purchase of the Hollinger at ment work is now proceeding. The results to date have been favorable. will prove very satisfactory to the stockholders.

Drifting on the vein is proceeding rapidly, and the management antipates that silver will be run into at any time. A small vein has been discovered recently in the No. 3 crosscut and a drift is also being ndications are stated to be very favorable.

gone will beget more attention in the future. The money that might have been made will inspire seekers after the money still to be made.
S. R. Clarke.



The Rothern Mines NORTHERN **CNTARIO'S** WEEKLY

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Sample on request.

MARK HARRIS&CO. MINES AND MINING

RAILROADS AND MINING

The railroad is the greatest nation-builder in the world.

The iron horse blazes the way across the barren wastes that he beyond the frontiers of civilization and settlers follow in its path. The land is tilled and springs into blossom; cities come into being: commerce and industry are established; a new Empire is builded.

In no country has the pioneer work done by the railroads been greater than right here in Canada. From the Atlantic to the Pacific and from the southern boundary to the waters, of Hudson Bay the rails mark the path of the Empire Builders and proclaim to the world the progress of the nation.

William H. Taft, ex-President of the United States of America in an article on "Great Britain and Her Daughters," published in a technical magazine about a year ago, stated how greatly he had been impressed with the amount of railway construction in this country. It is a fact not generally known that Canada stands in a most favorable light compared with the United States in this respect.

There is in Canada—in Ontario—an affinity existing between the railroad and the mining industry of a peculiar and impressive character. The Timiskaming & Northern Ontario Railway, the Ontario Government line, which was projected as a colonization railroad to open up the large agricultural areas to the north of Lake Timiskaming, known as the "clay belt" of northern Ontario, proved to be an enterprise of great pith and moment. It also proved to be an enterprise which builded better for empire than it knew.

To this railroad we owe the credit for the discovery and opening up of the great cobalt silver deposits. This was one of the greatest instances of prospecting ever done, and it was the work of railway builders. Men employed on the construction of the Timiskaming & Northern Ontario Railroad discovered the silver outcrops which led to the opening up of Cobalt and later on to the activity which has given us Porcupine, Kirkland Lake, Boston Creek and other mining

The T. & N. O. was projected for the purpose of opening up to agriculture a great clay belt, the mineral possibilities of which were at that time entirely unsuspected.

As the rails were laid and as the steel pushed its way through the wilderness of the northland, known for a century only to India and trappers, it caused mines to open and mining areas to expand for miles on every hand, drawing them within its radius just as a magnet

When this war is over millions of eyes will be turned toward the Ontario Norseland, eyes which in the years that are past were averted. The great gold mines of Porcupine, Kirkland Lake, Boston Creek, Beatty-Munroe, Kowkash, Shiningtree and Larder Lake; the silver camps of Cobalt, South Lorrain and Gowganda, and the colossal nickel deposits of Sudbury will collect their rightful tribute from the world at large. The world will come to know that Ontario has not only the richest silver camps in the world and the most promising of the younger gold camps, but that it is blessed in more than the precious metals; for instance, that it has at Madoc the largest body of high-grade talc on the continent.

But we cannot give a comprehensive statistical article in a couple of columns. The mining industry of Canada today accounts for 47 per cent. of our total freight revenue.

Over in the States the late Edward H. Harriman, the greatest railroad man that country has ever produced, wrote a letter to the American Mining Congress stating that mining originated over 50 per cent. of the railway tonnage. We expect to see the day come when Canada, which has among the greatest coal resources in the world, will be supplying from its mines from 55 per cent. to 60 per cent. of the freight tonnage of our great transcontinental railroads.

The total mineral production of Canada now amounts to \$175,000,000 a year. It requires neither a prophet nor the son of prophet to foretell an increase in this output during the next 10 years to \$500,000,000 and perhaps to \$1,000,000,000.

This is a vast and growing subject which we are only permitted to touch upon here, but we have a comprehensive statistical bureau which covers the subject completely.

We invite inquiries upon the subject of Canada's natural resources generally, and the mining industry in particular, and are in position to lay before inquirers, who are would-be investors and traders, a group of precious metal issues which, on account of their being in a state of development, preceding maturity, present attractive run at this point. Only small values bare been indicated to date, but the growing values. These enterprises are growing up with the growth of northern Ontario and, to our minds, putting money in them and awaiting their logical development is the planting of seed ground for an abundant harvest.

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