MATACHEWAN DISTRICT TO SURPASS PORCUPINE?

Otisse Gives Promise of Outrivaling Hollinger, and Davidson, With its Enormous Volume of Ankerite, is

MINES OF ONTARIO

Why is silver quoted at ninety-nine and a half cents only an ounce on the New York market? This question is undoubtedly puzzling many people because dollar silver is supposed to be the price. One dollar is the price but the New York purchasers do not know yet whether the silver is supposed to be the price. a Most Impressive Proposition.

pecial to The Toronto World.

Elk Lake, June 4.—We are here at the terminus of the Elk Lake branch of the T. & N. O. Railway, and the intropot for the Matachewan gold area. The new fields as mapped by the sheared, schizted and shattered. But the anglerite is not payably agrifer-The new fields as mapped by the Contario Bureau of Mines comprise the townships of Powell, Cairo, Baden and Alma in the district of Timiskaming. The great bend of the Montreal River is made in the Township of Baden, the northwesterly township of the group. In Powell, immediately south, the river is running northeasterly, while in Cairo, to the east of Powell, its course is to the southeast.

Fort Matachewan, for many years a post of the Hudson Bay Company, is on the river in the northwest corner of Cairo. This is the identical river crossed by the railway at Latchford, ten miles south of Cobalt.

Access to the Region.

As the crow flies the new gold fields are only 21 miles northwest of the town from which this letter is written, but by the combined water and the combine

Visible Gold.

There is a very considerable amount of coarse gold to be seen in the porphyry on the Davidson, principally in the veinlets which here and there break its continuity for short distances. Fine gold also shows in the schist on the Otisse, and it is also reported in conglomerate on one property of the Sutherland group adjoining the Davidson, but as a rule the sedimentary rocks, of which there are considerable areas in Powell and Cairo, do not hold auriferous veins.

cow mooses with a very young call. The latter's powers of locomotion were rather limited, and this kept the mother in the vicinity. The animals were seen in the same place on the down as well as the up trip of the boat.

Little Surface Enrichment.

And now, what of the mines, or prospective mines, of this district, for after all they are the raison d'etre of the life and movement now pulsing in this erstwhile wilderness? In the first place, it is necessary to clear away some misconceptions which have become current owing to imperfect knowledge of conditions. Surface concentration of values from the disintegration of sulphides has not taken place to any marked extent. This phenomenon may be regarded as practically negligible, or, at all events, not appreciably greater than at Porcupine or other gold camps of northern Ontario. Certainly the gossan here is in no way comparable to the mantles of iron oxide which can be seen at Sudbury in consequence of the weathering of Tree in that dikes of diabase with a northwest strike are intrusive in both which can be seen at Sudbury in consequence of the weathering of pyrrhotite. So far as our observation goes neither orthoclase porphyry nor schist carries any excessive amount of iron pyrite. Even on the Davidson, where the most extensive exposures of porphyry occur, force and fire seem to have played a leading part in the tremendous disintegration there disclosed. Shearing and shattering have proceeded on enormous scale. The porphyry been partially reduced to gravel and the resemblance to a mass of broken red bricks has been intensi-

places.

Other Properties.

Lafrican's Mischance

from Otisse Landing is the Hudson Bay

The Davidson Turned Down.

d by forest fires. Carbonates But Little Quartz-Then on the Davidson in contact with the orthoclase there are by far the largest masses of ankerite or mite known in northern On-This brings in the carbonates as an element in the formation. Prior to the recent inspection we had been led to believe that this element was led to believe that this element was wholly lacking, and so it appears to be in the porphyry.

No large veins of quartz were no-

No large veins of quartz were noticed on any of the properties. The precious metal seems to occur mainly in schist and porphyry.

The Otisse Described.

On the Otisse there is a narrow band of the ferro-dolomite, a wider band of a soft grey pyritous schist, and a still wider band of a green chloritic schist also charged with fine and it is said that in each one of these successive years Stephen has been bringing out specimens of gold ore from the Davidson, now regarded as the greatest prospect in the camp. But no one shared his enthusiasm and now the tide of his long life is ebbing fast and his discoveries have passed to other hands. chloritic schist also charged with fine grained iron pyrite. The gold is found in both types of schist. Outside of these there is a considerable belt of feldspar porphyry less im-portant in our judgment as the host

bekt of feldspar porphyry less important in our judgment as the host of gold, but still worthy of considerable attention.

The Otisse is certainly a very big property. The various bands just mentioned, the in actual contact, are quite distinct and well defined. The conditions seem to suggest that the schists have been derived from an-

degree on the Otisse, there are numerous veinlets of secondary silica in the porphyry, and these seem to account for the greater part of the gold in this rock. Where they do who hold an option on the Otisse, have been sunk on the Otisso, own there is very rarely any 45 employes, but 10 of these are entitled.

MINES OF ONTARIO

WEALTH IS ENORMOUS

Hollinger Alone Has More Than Forty Million Dollars in Ore Reserves.

Discussing the fact that the silver nd gold output of Cobalt, Porcupi nd Kirkland Lake approximates \$75,-000 every 24 hours, of which Cobalt produces about \$50,000, The Cobalt

Nugget says:

"It to a remarkable achievement in face of the fact that the men engaged in the mining of silver and gold could lay no particular claim to exemption under the Military Service

"There may be a few who carelessly and scornfully classify the mining of silver and gold as non-essential in the time of a crisis. There may be a few who, with equal carelessness, contend that the continued production of these metals is necessary at this time. Dismissing the careless opinions, both for and against, and taking into consideration the opinions of some of the leading statesmen and financiers, it would appear that in the course of such a prolonged struggle the so-called silver bullets are indeed a necessity.

Best is to Come.

"As for the future of this country, there is never any doubt but that its best days are yet to come. Characteristic of the opinion in all parts

A Prospector's Cabin.
On the Davidson there is a unique dwelling place ready made. Two large pyramidal blocks of ankerite stand up about 12 feet. They come together at the top and all round at the bottom, stream, whereas the charge from Elk
Lake to the Indian Chutes is only
\$\frac{1}{2}\$. One and all round at the bottom,
stream, whereas the charge from Elk
Lake to the Indian Chutes is only
\$\frac{1}{2}\$. One a space about six feet
wide. This space continues within
\$\frac{1}{2}\$ the current accounts for the variations
in fares.

At Fox Rapids there is a fairly good
wagon road for seven miles to Otisse
Landing. After effecting a crossing of
the river at this point the wagon road
continues for 2% miles westerly to
the camps at the Davidson mine. A
fairly good canceman can avoid the
seven mile hike on the way down; and
in fact in the summer of 1893 the
writer, with a half-breed guide, ran
the entire series of rapids from the
big bend to the Indian Chutes.

Incidents by the Way.

At the portages there are occasionally unavoidable delays in the arrival
of the launches, and at the second
portage some wag gave vent to his
feelings on an empty packing box
as follows:

This space about six feet
the top and all round at the bottom,
the continues within
the continues within
the cap and all round at the bottom,
scrept for a space about six feet
wide. This space continues within
the continues within
the continues within
the space continues within
the continues within
the top and all round at the bottom,
cap the top and all round the prof
getting lower away from the opening.
This space allower away from the opening.
This space continues within
the continues within
the stream, where all the proof
getting lower away from the opening.
This space continues within
the top and all renor of the foot that be opening.
This space is opening was closed by vertical
the top and all renor of the space continues within
the top and all renor of the space to the section of the opinion in all parts
of this country is that expressed by
in the relieve that be chements under
these masses of ankerite, and here
Davidson lived while prospecting the
trace the result was a complet special parts
of the sountry is that expressed by
in the situation i

Incidents by the Way.

At the portages there are occasionally unavoidable delays in the arrival of the launches, and at the second portage some wag gave vent to his feelings on an empty packing box as follows:

"This place nearly gets my goat. All day waiting for the boat."

Another assumed a more lofty tone. We have parodied his inscription to some extent:

"In the United States, the great land of push, a bird in the hand is worth two in the bush.

But in old Ireland, my dear native land, A bird in the bush can be caught with one hand."

Above the Indian Chutes very close to the river bank there was a large cow moose with a very young calf. The latter's powers of locomotion were rather limited, and this kept the mother in the vicinity. The animals were procupine May Be Surpassed."

Save a touch of the ploturesque to the solitary dwelling, and it may be that here the veteran prospector at first believed that he had secured a house of gold.

Future of Camp.

Much more work must be done before we can arrive at a sane and certain conclusion as to the future of this camp. But, so far as appearance and evertain conclusion as to the future of this camp. But, so far as appearance and evertain conclusion as to the future of this camp. But, so far as appearance and evertain conclusion as to the future of this camp. But, so far as appearance and evertain conclusion as to the future of this camp. But, so far as appearance and evertain conclusion as to the future of this camp. But, so far as appearance and evertain conclusion as to the future of this camp. But, so far as appearance and evertain conclusion as to the future of this camp. But, so far as appearance and evertain conclusion as to the future of this camp. But, so far as appearance and evertain conclusion as to the future of this camp. But, so far as appearance and evertain conclusion as to the future of this camp. But, so far as appearance and evertain conclusion as to the future of this camp. But, so far as appearance and evertain conclusion as to the future of of 1000 feet, yet not in a single instance has the bottom of the deposition of mineral been found. Intrinsically, the value of the producing mines is large. Potentially, the value of the proven mines together with the numerous prospects of more than usual merit is enormous."

deep well into the Trenton formation, on the company's property, which is the same formation as that in which the Union Company recently made a spectacular strike in West Dover, and the work will be proceeded with Among those present at the meeting were Harry Mack, New York, who is one of the directors, and Edward Kohn, New York, who represented New York shareholders.

Operating Cost During May is Kept at Remarkably Low Ratio.

FEDERAL OIL EARNINGS.

 Keora
 7

 Kirkland Lake
 30

 Lake Shore
 58

 McIntyre
 126

New York, June 5.-The Federal Oil

Other Properties.

Northeastward from the Davidson and Otisse there is a very considerable over-burden on the strike of the auriferous bek and it is difficult to form an opinion as to the extent of the mineralization. The Mining Corporation have begun work with about 25 men, Jack Hollinger, a brother of the famous staker of the Hollinger in Porcupine, is smploying a small force; and Sutcliffe & Neel ands, the well known surveyors, engineers and contractors of Halleylary, are doing the assessment work on a large group of claims belonging to F. C. Sutherland & Co., the prominent mining brokers of Toronto. But as yet these operations have not advanced sufficiently to make it possible to estimate the value of any of these the centre of keen interest.

During May the total operating cost was less than \$1,800, and amounted to \$17.65 per foot of work done. This to estimate the value of any of these properties. They all, however, appear to be well within the main auriferous

is a remarkable record when it is considered that each month the point of operation is being further removed from the main shaft. The operating A few miles up the Montreal River fort. For 20 years or more this trading station of the big company has been in charge of Stephen Latrican, and it is said that in each one of costs for the month sets a new low record for the Adanac, and for an operation of similar size is, perhaps, on a par with the best records attained in any part of the camp.

PRICE OF SILVER. New York, June 5.—Bar silver, 991/2 London, June 5.—Bar silver, 48%d.

NEW YORK CURB. Hamilton B. Wills received the following at the close of the New York curb yesterday: The market on the New York curb continued strong and active today. Among industrials the principal activity was in Curtiss and Wright-Martin at fractional advances.

mentioned, the in actual contact, are quite distinct and well defined. The conditions seem to suggest that the schists have been derived from ankerite, very thoroly worked over and impregnated with gold which it did not originally carry.

On the Davidson, and to a lesser degree on the Otisse, there are numerous veinlets of secondary silica in the porphyry, and these seem to mention of the porphyry, and these seem to distinct and well defined. The fact on an advances.

In the oil division the chief activity was again in Houston and Merritt. The former advanced over three points thrugh active buying. The reason for the advance in Merritt was due to the fact that the Midwest Refining has increased in the porphyry, and these seem to desire the mining claims have been staked, and about 200 men, old men and boys are in Curtiss and Wright-Martin at fractional advances.

In the oil division the chief activity was again in Houston and Merritt. The former advanced over three points thrugh active buying. The reason for the advance in Merritt was due to the fact that the Midwest Refining has increased in what the mining act deep furnished to drill wells on the Merritt property. Hargraves 77,
Hudson Bay 33.00
Kenabeek Con. 3
Kerr Lake 5.85
Lorrain 14,
La Rose 42
McKinley - Darragh 41,
Mining Corp. 250

gold in this rock. Where they do not occur there is very rarely any visible gold, and if the porphyry is worked en masse we would expect it to give low values.

who hold an option on the Otisse, have 45 employes, but 10 of these are engaged in the transportation of supplies bility of the region working conditions will be very difficult while our modern on the 27th ult. the diamond drill civilization is passing thru the flery crueible of the great war. mpressive body Thank and number of trenches S. R. Clarke.

WHY SILVER IS QUOTED ORE RESERVES OF DOME MINES LESS

Stock Appears, However, to Have Discounted Unfavorable Features of Report. **OPHIR IS WEAK SPOT**

Cobalt Issue Sells at Lowest of Year - Newray Distinctly Firmer Among Porcupines.

> Further light on the annual report of the Dome Mines appears to afford some explanation, of the recent dip in the price of the stock, but evidently the recession has well discounted the statement, as Dome sold esterday at 7.50 on the Standard

The identity of the present optionees has not been disclosed nor the price or terms. It is believed, however, that the Mining Corporation of Canada are the lucky buyers. This property is not as favorably regarded as the Otisse, but The World's special correspondent, who has lately examined both, seems to think that something very big can be found on the Davidson. In the hands of the Mining Corporation it will be properly explored.

VACUUM OIL COMPANY

WILL SINK DEEP WELL

Hopeful View of Future Taken at Yesterday's Annual

Meeting.

Meeting.

Will sink definition of the Mining Corporation it will be properly explored.

Werray Strong.

Operations at the Davidson mine continue encouraging, and the stock firmed up yesterday to 33. Newray at 21 showed a full recovery from the recent depression. McIntyre was actively traded in and receded a point to 1.25 with the closing bid 1.24. A more hopeful view of the immediate future of the Schumacher is being taken, and the stock sold yesterday at 16. The new manager is quoted as being better pleased with the conditions, and the last monthly report is considered one of the best of the year. The report that the mine would close down soon is believed to be in error.

At the annual meeting of the In the Cobalt gr At the annual meeting of the Vacuum Oil and Gas Company held in the Lumsden building yesterday, the oil situation in western Ontario in the light of recent important developments was discussed thoroly. It was announced that arrangements had been made to start the sinking of a deep well into the Tranton formation.

HIGH-GRADE ORE IS CUT

nted Developments at Four-Hundred-Foot Level Are Extremely Encouraging.

New York, June 5.—The Federal Oil Company according to sources close to the company is earning at the rate of about \$360,000 a year after deduction of \$24,000 for the 8 per cent. preferred stock. This is equal to 46 cents a share on the \$3,700,00 outstanding common stock. Deliveries by the Federal Company to the Cumberland Pipe Line Company are now berland Pipe Line Company are now running at the rate of 500 barrels a day which brings an income largely net of \$1000 a day.

STANDARD STOCK EXCHANGE.

Kirkland Lake, June 5.—At the 400-total local lo namely, the Teck-Hughes and the Kirkland Lake.

Kirkland Lake.

The dip of the vein being to the south, each succeeding level at the Orr finds a greater length of the vein on the latter. The crosses, the northwest corner of the property, and on surface less than one hundred yards, lies within the Orr boundaries. The dip of the vein, however, is at the rate of about ten feet to the south for every 100 feet in depth, and the length gained feet in depth, and the length gained as depth is attained is therefore very

MINING IN KLONDIKE.

Dawson, Y.T., June 5.-All hydraulic dredging concerns in the Klondike are now operating at full blast. The rivers are exceptionally high from flood waters and snow, but no damage has ensued aside from the earlier freshets, which washed out about a dozen bridges on the winter mail trail between Dawson and White Horse.

STANDARD SALES. Op. High. Low. Cl. Sales. Gold—
Apex ... 3¼
Boston Ck. 13
Davidson ... 33
Dome M. 7.50
Lake Shore ... 55
McIntyre ... 126 126 125 125
Newray M. 21 ... 20%
P. Crown ... 13 13½ 13 13½
P. Imperial ... 1½
P. Tisdale ... 1½
P. Vipond ... 10
Schumacher ... 16
T. Krist. ... 4½
W. D. Con ... 9
Wasapika ... 39 39½ 39 39½
V. N. T. 9
Wasapika ... 39 39½ 39 39½
V. N. T. 9
Silver—
Adanac ... 9½
Beaver ... 25
Crown R. ... 19½
Gifford ... 2½
McK. - Dar ... 4½
Qophir ... 6¾ ... 5¾
Provincial ... 53
Peterson L... 9
Timiskaming ... 27¼ 28
Wettlaufer ... 5
Silver, 9½,c
Total sales. 52,753.

Gold Production Essential

The importance of the gold mines of Canada in the present fight for national existence is not gen erally appreciated. In fact, by some econom it has been held that the production of gold in vitimes is an industry which should be discourage This argument has been refuted satisfactorily of numerous occasions, and the recent Federal order-in-council, prohibiting the export of the precious metal, except under special license from the govern-ment, emphasizes the need for greater production of gold.

During the last four years the national debt of Canada has grown to unprecedented proportions, while the gold reserve has not by any means kept pace. In addition, the importation of manufactured and raw products has increased tremendously, particularly from the United States, so that a critical situation with regard to the rate of exchange has resulted. Drastic measures have had to be adopted by the government to remedy the existing high rate of exchange between United States and Canada. chief among which has been the order restricting the importation of many articles from the United States, which in war times are considered as luxuries Shipments of gold have also been made from Ottawa to offset the unfavorable trade balance.

When it is considered that in the Porcupine Camp alone, among the mines which are on a producing basis, fully equipped with the necessary machinery to turn out gold bullion, there are millions of dollars worth of gold actually blocked out in ore underground waiting to be taken out, and in view of the world-wide demand for gold, it seems strange that the output is allowed to decrease, as has actually occurred. Lack of adequate labor has been the chief cause for such a decrease in production. The advancing prices for supplies has also been a material factor, but this obstacle could be successfully overcome even by the smaller mines if there were sufficient labor at reasonable wages, as the average grade of ore in Porcupine is high as compared to other gold camps on the American continent, and the margin of profit relatively greater.

The last annual statement of the Hollinger Consolidated Mines showed ore reserves of \$40,000,000; the Dome Mine has upwards of \$12,000,000 in ore blocked out; while the McIntyre must have at least \$6,000,000 in gold ore in reserve. These are the three biggest mines of Porcupine, but there are numerous other properties in Porcupine-Kirkland Lake and other camps of Northern Ontario —which have ore blocked out ready to be hoisted and treated, which should bring the total ore reserve to upwards of \$100,000,000. With the large amount of alien labor in the north country, which should be available for this most important industry, there seems to be no reason why greater efforts should not be made to increase the production of gold at the present time.

The efforts of individual mines to speed up production, especially in the case of the Hollinger and the McIntyre, has met with considerable success, but in the process the competition for labor has become more acute, and the foreign miners—who comprise the main source of labor in the camps-have developed an exaggerated idea of their own importance.

Fortunately, a concerted movement is at present on foot among the mine operators to secure some form of supervision over the foreign element on the part of the government, and there seems to be good reason to believe that some action, beneficial to the interests of the producing mines, will result.

The redeeming feature of the situation from the investor's standpoint is the fact that the existing conditions are abnormal; they have grown out of the exigencies of war times and will not be enduring. Prices of the gold securities have shrunk without any regard to intrinsic values, so that when normal times return the appreciation in the market value of these shares will be proportionately great. The leading gold stocks have actual value behind them, in some instances many times the purchase price in the mining market. This fact is fully appreciated by the insiders, and probably at no time in the history of the mining industry were the gold stocks held in such large blocks by strong interests as at the present time.

These shrewd market judges have not allowed themselves to be carried away by temporary considerations.

WE ADVISE THE ACCUMULATION OF THE BETTER CLASS GOLD MINING SHARES, WHICH INCLUDE HOLLINGER, McINTYRE AND DOME, WHILE FOR AN ATTRACTIVE LOW-PRICED INVESTMENT, WE ADVISE THE PURCHASE OF NEWRAY, AT PRESENT MARKET QUOTATIONS.

Isbell, Plant & Co. Standard Bank Building

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Power Se Prices of June 5.—7 cialties an general lis of a quiet Woods sold at ne

at 70 adde in 125 sh tress of Ott a further dual rise of about X weeks, vand increase ile Ottawa e, the mir was dead in to the ourchase by stocks, wheters of to strong, inada rose was displar to the York lead by to the for the for

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