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BREAK NO

KIRKLAND LAKE CAMP **GAINING PROMINENCE**

By End of Year Will Have Several Producers of Yellow Metal.

ORE IS DEEP-SEATED

Veins, Tho Narrow, Very Rich Completion of Power Line Expected Soon.

Rirkland Lake is now coming into considerable prominence as a gold district. It promises a production equal to Cripple Creek, Colorado or Ralgoorlie in Western Australia. It is the only gold camp in Ontario in which tellurides are common in the control of the c

dividend payer, the Tough-Oakes, it is likely to have four or live producers before the close of 1917.

The camp is 61 miles north of Cobalt, and is reached from Swastika, a station on the T. and N. O. Railway. There is a good road from the station northeaster are stores. a restaurant, postoffice and a school, and from the railway there are stores. a restaurant, postoffice and a school, and from this point a road runs north to Goodfish Lake, where La Belle Kirkland and other mines are working.

The old Swastika mine west of the railway station, about half a mile, shut down some years ago; so also the string of mines south of Kirkland Lake, is now being opened up, as also the McIvor, some miles further west.

All the mines already mentioned are on the north zone of fracture and vein formation. Three-quarters of a mile south there is a parallel aurifer-us are severy day. This group follows a line of sedimentary rocks which sirkes in a direction a little north of cast, across the Township of Teck and into Lebel, a total distance of fully seven miles. The width of the sprice, and feldspar porphyry. The three latter rocks belong to the same of ontario are in the aldech formations, it is always found that the mineralization at the Lake Shore and Kirkland Lake.

The Wright-Hargraves has a fine plant and will mine on an extensive scale as soon as the juice is turned on. The Sylvanite is also waiting for power.

The Elliott-Bagshaw, immediately west of the Kirkland Lake, is now being opened up, as also the McIvor, some miles further west.

All the mines already mentioned are on the north zone of fracture and vein formation. Three-quarters of a mile south there is a parallel aurifer-us also very promising and on it the La Rose Consolidated of Cobalt is now working the Hurd claims. Rochester interests are developing the Minaker, while Harry Cecil and his associates of New York have taken at the Lake before the work of the year. The introduction of hydro-electric power will be the starting point, but even now over 30 trams

The all the metal-hearing regions of Ontario are in the aldech formations, it is always found that the mineralization in the case of gold, silver and nickel occurred in a later period of geological time, and there is no exception to this rule in the case of Kirkland Lake. But the conditions uncer which the gold is found there are occurred in the total output of gold for this province.

WIGOROUS POLICY

unique.

Many of the veins on the surface are from half an inch to an inch wide. are from half an inch to an inch wide, in fact mere cracks which could be filled with the blade of a knife; a few of them are six to eight inches in width. But in depth the stoping width, the area of payable stone is of pair dimensions, because the wall rock on both sides is strongly impregnated with gold and other minerals. There is, however, very little silica

th gold and other minerals. There, however, very little silica.

Geological Formations.

C. A. O'Connell, the efficient manger of the Tough-Oakes Mine, says C. A. O'Connell, the efficient mander of the Tough-Oakes Mine, says that the rocks on the north side of the auriferous belt dip south, while those on the south side of the south side dip north, at considerable angles in both cases. The sediments would appear to have been swept into the trough thus formed, and if the fissuring and vein formation was at the contact of the opposite dipping strata the force of fravity would fund to bring the walls olight have been thus moved before the ascending mineral-lades solutions had cooled and solidified.

There have been several depositions of gold, and the vein stuff proper and the wall rocks have been several dimes of gold, and the vein stuff proper and the wall rocks have been several dimes of gold, and the vein stuff proper and the wall rocks have been several dimes of gold, and the vein stuff proper and the wall rocks have been several dimes of gold, and the vein stuff proper and the wall rocks have been several dimes of gold, and the vein stuff proper and the wall rocks have been several dimes of gold, and the vein stuff proper and the wall rocks have been several dimes of gold, and the vein stuff proper and the wall rocks have been several dimes of gold, and the vein stuff proper and the wall rocks have been several dimes of gold, and the vein stuff proper and the wall rocks have been the more than they now appear, else such extensive mineralization could not have taken place.

On the other than they now wall the next few down the management is endeavoring to increase the work and silver that they are the work and silver that the proved the management value of the contact of the opposite of the proved the prove

prise have been larger than they now appear, else such extensive mineralization could not have taken place.

In some of the mines, at depth, the operative plants, the distinctly truccable, are practically closed, and the greater part of the gold is found in the fracture plains of the feldspar porphyry, which for the most part forms the wall rocks. This porphyry is often massive, and often very hard. It is quite different from the schistose quartz porphyry at Porcupine.

At the 400-fact level in the Kirking and Lake Mine there is \$9 ore for a width of 45 feet, and in the face of the drift on this level there is unmistaking and the properties are in Deloro

The first have been larger than they now appears at a depth of \$0 feet in the new vein on the south of the feet in the new vein on the south of the other hand, the output of silver, measured in terms of quantity, on the other hand, the output of silver, measured in terms of quantity, was less in 1916 than in 1915 by about 2,000,000 counces, the larger value being due to the much higher prices for silver, measured in terms of quantity, was less in 1916 than in 1915 by about 2,000,000 counces, the larger value being due to the much higher prices for silver, measured in terms of quantity, was less in 1916 than in 1915 by about 2,000,000 counces, the larger value being due to the much higher prices for silver, measured in terms of quantity, was less in 1916 than in 1915 by about 2,000,000 counces, the larger value being due to the much higher prices for silver, measured in terms of quantity, was less in 1916 than in 1915 by about 2,000,000 counces, the larger value being due to the much higher prices for silver, measured in terms of quantity, was less in 1916 than in 1915 by about 2,000,000 counces, the larger value being due to the much higher prices for silver, measured in terms of quantity, was less in 1916 than in 1915 by about 2,000,000 counces, the larger value being 40 15. The other hand, the counce of the 15 1-4.

Shamrock went up to 20. Chambers for the w

able evidence of very pronounced fissuring, giving ample facilities for the ascensior, and infiltration of the hot solutions which carried the precious metal.

The Kirkland Lake ores are gener The Kirkland Lake ores are generally of high grade, but not in large volume. It may be, however that large bodies of ore will be found in several of the mines at greater depth. As already stated the fissuring has been pronounced, and whether the walls game together while the solutions were still rot or after they solidified is not material in view of the fact that the

at Kirkland Lake. Geologically, they are very similar. The they may vary in size and richness, there is only one type, while at Porcupine there are s.v. et al. The silicate of iron, magnesia and lime, which forms the country rock at the anchorite in Delere, is very different from the Hasaltic schist of the Hollinger-McIntyre section, and at Porcupine the shearing has been to this effect yesterday.

TORONTO AIRMAN HONORED.

London, Jan. 3.—In the list of New Year's honors the names of Flight Sub-Lieut. George R. S. Fleming, of Toronto, and Ernest Potter, of Port Arthur, occur as having been raised to the rank of flight lieutenants in the air service of the royal navy. Porcupine the shearing has been more pronounced than at Kirkland Lake, the there are areas of massive,

as well as highly schistose rocks.
String of Mines.



McIntyre mill which will shortly be treating close on to 600 tons per day. This property is rapidly gaming recognition as one of the big producers of the Porcupine Camp.

Boston Creek Still

Advancing

The steady absorption of Boston Creek stock is having the consequent effect upon the price of the shares. The price has made a gradual ascent from 75 to 112, and the huying is still keen. A large part of the demand for Boston Creek has been coming from the United States, a demand having sprung up in New York Boston, Philadelphia. Chicago and other cities. Many inspections have been made of the mine and the reports of the visiting engineers have had much to do with the buying of the stock. The great shipment from the property has been delayed, but when this reaches the refinery the spreading of the news of the results will likely create a much wider demand for the stock.

INCREASED PRODUCTION

Cobalt Output in Ounces De-

creased, in Value Increased Greatly.

the only gold camp in Ontario in which tellurides are common. It is true that one telluride of gold and silver has been found at Porcupine, but this mineral and its compounds occur very sparingly there and in other parts of Ontario.

The Kirkland has as yet only one dividend payer, the Tough-Oakes, it is likely to have four or five producers before the close of 1917.

The camp is 61 miles north of Cobalt, and is reached from Swastika, a station on the T. and N. O. Rallway. There is a good road from the station, northeastward to the Tough-Oakes, a distance of seven miles. At the townsite about five miles from the railway power.

The Sylvanite Wright-Hargraves, Lake Shore, Teck-Hughes and Kirkland Lake. The latter is down 400 feet and the Tough-Oakes 500. A mill has been completed on the Teck-Hughes and crushing will begin about the first of March next, when it is expected that power will be supplied. The erection of a mill is also under consideration at the Lake Shore and Kirkland Lake.

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VIGOROUS POLICY FOLLOWED AT DAVIDSON

Sixty Men at Work on the Pro-Producer.

The following is part of an article on gold and silver mining in Ontario written by Mr. J. W. Gibson, deputy minister of mines for Ontario, which will appear in the Monetary Times Annual this week: perty-Should Soon Be

new year in splendid shape—everything this week:

points to the fact that rapid progress will be made during the next few gold and silver, Ontario now far surmonths. Some 60 men are being employees any of the other Canadian pro-

properties are in Deloro larger return.

Hollinger Consolidation. Co. Both properties are in Deloro Township, and it is thought the pre-sent workings on the Imperial could be advantageously used in opening up the King claim.

CROWN RESERVE CO. OPTIONS GOLD PROPERTY

Cobalt, Jan. 3 .- The O'Donald group of claims comprising approximately 190 acres of mining land, situated between material in view of the fact that the the Boston Creek gold mine and the

LONG WILL ATTEND.

London, Jan. 3.-It is the intention The principal mines at Kirkland Lake lie side by side for a distance of two and one-half miles. On the extreme cast is the Tough-Oakes. Then

BOSTON CREEK MADE

Porcupine Stocks Display Some Buoyancy-Timiskaming Stronger.

Continued strength was displayed thruout the Porcupine stocks yesterday at the Standard Stock Exchange, the trading was not so heavy as at times before Christmas. The bullish under-tone to the market became more pro-

stock. The great shipment from the property has been delayed, but when this reaches the refinery the spreading of the news of the results will likely create a much wider demand for the stock.

ONTARIO IS LEADER IN

PRECIOUS METAL OUTPUT

The recipied and Silver Yield Last Year Nearly Twenty-Five Millions.

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Gold and Silver Yield Last Year Nearly Twenty-Five Millions.

DIARIO IS LEADER IN

INCREASED PRODUCTION

DIARIO IS LEADER IN

Since the big break in New York local traders seem to have become more cautious, confining their commitments to a greater degree to the standardized stocks and to the newer issues of recognized merit.

Boston Creek Featured.

Further active trading took place in Boston Creek stock, the demand for this public favorite causing an advance in the priceto a new high record at 112, a gain of two points above the high point of the preceding day. Yesterday's advance makes an aggregate gain of about 37 points since the stock first appeared on the mining list but a few weeks ago. The remarkable feature of this advance is that it has been accomplished without any reaction to speak of. Its steady upward swing has attracted for it a large following.

Montyre Active.

The work of sixting from four to six inches in width, of high-grade ore made by several of the active favorites in width, of high-grade ore made by several of the active favorites and with incher favorites in width, of high-grade ore made to be in with incher favorites in width, of high-grade ore made to property is in with incher favorite favorite favorite and with incher favorites in width, of high-grade ore made to be in with incher favorites in with incher favorites in within the six inches in with incher favorite favorite favorite favorite and with incher favorites in with incher favorites in with incher favorites in with incher favorites in with incher favorite and with incher favorites in with incher favorites in with incher favorites in with incher favorites in with incher favorites i

McIntyre Active.

Nor was the old popular stock, McIntyre, forgotten in the trading.
Where a few waeks ago this issue was
forced to take a minor position in the
general activity which at that time
prevailed in the newer issues, now it
is coming back and is attracting more
attention than for months. Yesterday attention than for months. Yesterday its advance was continued when it touched 195 from which point it reacted to 192, closing at this figure bid. Jupiter, after opening at 32, which is a high record in recent three continued which were discovered on the upper levels. It is confidently expect ed by the management that a crosscu of 180 feet in length will cut for important veins at this level. Jupiter, after opening at \$2, which is a high record in recent times, eased off fractionally to \$1 1-4. McIntyre Extension was strong at 56 1-2 to 571-2.

Porcupine Crown Higher.

Percuping Crown was away again

ay on one of its periodic up- Davidson

It is officially announced that the Hollinger Consolidation.
The principal gold-producing district is Porcupine, where discoveries made in 1909 have developed into important and profitable mines. The best known and largest of these are the Hollinger and the Dome. The former has had an exceptionally prosperous career. Re-Vacuum Gas Co. has contracted for the total output of oil wells under its ontrol in the Thamesville district for the next six months. Rapid progress is reported from the oil fields, where ten additional wells are in readiness to be linked up. Prospective develop-ment has proven that the oil pool, which is the main source of supply exceptionally prosperous career. Recently amalgamated with the original Hollinger holdings were the Acme and Millerton. The ore bodies of all three form part of the same system, and can be worked economically as one mine. During 1916 about 590,000 tons of ore bodies of the company extends for a distance of at least two miles, which area, according to conservative estimates, will accommodate 500 wells. for the big wells of the company ex-

still be or attended the solutions were subjected for the special spec

ment to this effect yesterday.

TORONTO AIRMAN HONORED.

London, Jan. 3.—In the list of New Year's honors the names of Flight Sub-Lieut. George R. S. Fleming of Toronto, and Ernest Potter, of Port Arthur, occur as having been raised to the rank of flight lieutenants in the light of the rank of flight lieutenants in the light of the rank of flight lieutenants in the light of the camparature of the light lieutenants in lieutenants lieutenan Kirkland Lake Camp.

The gold camp next in present importance, and one which gives promise of speedy growth, is Kirkland Lake. lying some miles to the east of the local to the gold yield of the Yukon had amounted to \$162,231,607, and, assuming the production for 1916 to could that for 1915, the total to date will be, say \$167,000,000. The output of the Cobalt mines is decreasing, but lying some miles to the east of the lying some miles to the east of the main line of the Timiskaming and Northern Ontario Railway, about 50 miles north of Cobalt. Here, also, the rocks are those of the keewatin sys. iccks are those of the keewatin sys- of gold from the Yukon

DRIFTING STARTED AT **DEPTH ON BEAVER**

Encouraging Results Obtained So Far-High Grade Vein Discovered.

Very encouraging progress is being made in the deep workings of the Beaver Consolidated, according to President F. L. Culver. It will be remembered that the management some time ago evolved the theory that ore in paying quantities should exist at the lower contact of the diabase, and the keewatin formation, as it was in the vicinity of the upper contact that Beaver and Timiskaming recovered their best values.

To reach the lower contact it was necessary for the Beaver to sink its shaft to 1600 feet in depth, which meant going deeper than any other shaft in the whole of the north country. Accordingly the shaft was put down to the required depth and a station cut, from which point crosscuts have been made. Several veins have been cut so far, but none of these showed sliver values, altho highly mineralized. Drifting has now commenced, and values may be struck at any time.

any time.

It is needless to say that this pioneer work in the Cobalt Camp has been watched with more than usual interest because, should the Beaver succeed in its quest, it will encourage other Cobalt companies to follow its example ,and would mean a new lease of life for Canada's greatest silver

The same policy as that of the Beaver is being followed by the Timiskaming. The shaft at the latter property is now down to 1500 feet, and perty is now down to 1500 feet, and has 100 feet more to go before the station will be cut.

At the Beaver recently a new vein was discovered, running from four to six inches in width, of high-grade ore.

The work of sinking the shaft the Adanac in South Lorrain to the 400-foot level has now been com-pleted and a station is finished. lateral work will now be pushed vig-orously in an endeavor to pick up the veins which were discovered on the upper levels. It is confidently expect

STANDARD QUOTATIONS.

Dome Extension 24	6 234	
Dome Lake	67	
Lome Mines 21	16 20	
	% 5%	
Poley	70	
Gold Reef 5	5	
Floringer Con	6.70	
Homestake	58	
	25	
Jupiter 311 Kirkland Lake 50 McIntyre 193		
Norkland Lake 50	46	
Mointyre 193	192	
McIntyre Extension 571 Moneta 16		
	151/2	
Pearl Lake	138	
	4	
Porcupine Crown	. 16	
Porcurine Imperial	2 5	
Porcupine Imperial 51 Porcupine Tiscale 58 Porcupine Vipond 48	8 0	
Porcupine Virond 48		
Preston	47	
Schumacher 70 Teck-Hughes 78	51/2	
Teck-Hughes 78	69	
West Dome Con 311	4 3134	
Krist 311		
Silver—	2 01	
Adanac	91	
Bailey 71	4 7	
Beuver 41	40%	
Isuifale 190	110	
Chambers-Ferland	151/2	
Contagas4.80	4 70	
Crown Reserve	2 39	
Foster	334	
Gittord 5	334	
	1/4	
Great Northern 12		
Hargraves	154	
Hudson Bay		
Кепареек 30	28	
Kerr Lake4.85	4.70	
Lorrain 51	50	
Le Rose	52	
McKinley-Darragh 52	48	
Ntpissing8.55	8.35	
Ophir 11 Peterson Lake 154	10	
Right-of-Way	15	
Right-of-Way 6 Rochester Mines 5 Shaurrock 20 Silver Leaf 24 Sanora Sauces 24	5	
Shamrock 20	1944	
Silver Leaf 21/2		
Seneca-Superior 3	478	
Timiskaming 601/	60	
Tiethewey	00	
Wettlaufer 91/4		
Miscelianeous-		
Vac. Gas 60	55	
Victoria Oil	145	
Silver—75%c.	-10	
STANDARD SALES.		
	CONTRACTOR STATE OF THE STATE O	

High. Low. Close. Sales Porcupines-

14 ... 13,100

3	Dome Ex 25	900
	Dome Loke so so	
3	Dome 91 00	1,300
4	Hollinger # #6	120
1	Homestoka	175
1	Inspiration 60	2.000
1	Inspiration 28 27 28 Jupiter 32 31 3214	1,000
1	Kirk Lake 47 32 31 321/4	
1	Kirk Lake 47	1,600
Н	Moneta 151/2	5.000
1	McIntyre 196 193 194	9.610
1	McInt. Ex 571/2 561/2 57	3,400
1	Newray 138	1.610
A	P. Crown 77 71 76	15,800
1	Imperial 5 4% 5	11,700
4	Newray 139 138 138	1 095
1	Schumscher 5% 5% 5%	3.200
1	Schumacher 70 68 70	1,400
1	Teck-Hughes 75	700
1	Tistale 5% 5 5 TKrist 311/ 21	
1	TKrist 31½ 31 31 Eldorado 1½	40,900
1	Eldorado	6,000
1	P. Gold 1½ 1 1½	5,060
1	Vipond 471/4 42 471/2	1,000
1	Gold Ree: 81/ E #47	6.100
1	Boston Creek 112 110 112	19.500
		3,900
Ł	Bailey 7 5% 63%	
		7,500
		1,000
83	rerland 16 151/ 10	20
		2.250
84	Confidence 4 so 4 so 4 so	300
8 23	GILLOFT E	230
ы	GL. Northern 19 191/ 101/	500
П	Hargraves 15% 14% 15%	2,100
	McKinley 52 49 49	3,500
	VIDISSING OFF CVC	600
	oliver leaf out	100
		1.000
1	Ophir	100
8	Ophir	1.500
	Shamrock 20 19 20	2,000
1	Wettlaufer 9 19 20	10,500
	Miscellaneous-	1,500
9	D. Foundry 187	1207

MINES and MINING

1917 is here!

No doubt you have made several good resolutions, of which you will keep and others that will be forgotte few days or a few weeks from now.

The best resolution you could possibly make today w be to invest your money in sound securities, for right now

market is full to overflowing with real investment bargains.

When I say bargains I do not refer to the "War Babie that is, the stocks that are dependent on the European W for I consider all of these by far too speculative for the average of the same of the

The genuine bargains are the standard securities that continue to earn and pay dividends, war or no war, peace no peace, and many of these can be purchased today at pr that net the investor ten, fifteen, twenty and even 25 per ce

Just think of investing your money in high-class securities that return these enormous dividends and I am s

you will agree with me that today is "Bargain Day."

I doubt if any of us will ever see a more opportune t than the present, because even if peace was suddenly dec it could only mean a readjustment of conditions, and m of these securities that are not affected by either war or pe would naturally sell at higher prices during the readjustme A few months ago, when the speculators down in N

York were booming International Mercantile Marine to skies, I came out in an article and gave a few logical reas

for not investing money in that particular issue.

Later, when United States Steel was selling at \$129 share, I published an article giving my views on the stock an investment, and I stated very plainly that I did not consider it a good security for the small investor.

My chief objection to both of these popular stocks the fact that they were entirely dependent on the Europe War for continued prosperity, and events of the past fortnig have shown how right I was in both instances. I would not advise any small investor to purchase s

stocks, even if they sold much lower than prevailing prices because two of the biggest men in the steel industry have made public statements lately to the effect that no steel com pany could hope to earn even a small dividend after the unless there was a large increase in the protective tariff.

Before the war Germany was a close competitor of t American and Canadian Steel Companies, and the gigan U. S. Steel Trust found it most difficult to earn even a sm dividend on the common stock.

After the war is over we must prepare to meet not o German competition, but also French, English and Japan and, altho our big steel industries have been very friendly both France and England, competition knows no friend and you can take my word for it, it will be the survi fittest.

Experts believe the steel industry will be greatly pressed for many months after peace is declared, and l inclined to fully agree with them, so I do not recommend st investments even when they show phenomenal earnings.

Many also believe that the copper industry will be hard when peace comes, but I am not so sure of this, copper must play an important role in the reconstruction Europe, and whereas steel can be produced in enormo quantities, copper is limited to the production of the mines.

Again: every railroad in America must sooner or later electrified and this alone will tax the copper output for decade or two. The Chicago, Milwaukee & St. Paul Railro has four hundred miles of its Puget Sound branch electrifi and operating expenses were immediately cut almost sevent

The railroads are only waiting for copper to drop to reasonable figure, and I believe every railroad would b copper tomorrow if they could contract for it at 20 cents In addition to this all of the big producing copper co

panies are already sold out for the first six months of year, some companies having contracts that carry them the end of 1917, so if peace came tomorrow copper wo probably command twenty to twenty-five cents a pound ar remain there indefinitely.

On the other hand, I know of several producing coppe companies that could easily earn their present dividend wit copper at fifteen cents a pound, and I believe that stocks of these companies represent an exceptionally sound investmen

Right at the present moment the greatest care should be exercised in selecting investments, for altho the market is over flowing with genuine bargains, it is also full of pitfalls for the inexperienced, and no one should attempt to invest money until they consult some thoroughly reliable broker.

An honest broker is just as essential in selecting invest ments as the architect is when building a house, and I am sure you will find many such brokers in your home city who w gladly give you the benefit of their experience and advice. If your broker cannot, or will not, give you the informe

tion you need, write direct to me and I will give you full and complete details on investments that should net you a large

Marksaris

at 90c, is now quoted at \$1.10, and I expect to see it sell at \$1.50

NOTE—An article or min.

Mark Harris & Co.

STANDARD BANK BLDG.