English Engineer Predicted Big Future—Faulty Development.

Porcupine, March 7. - A cele brated mining engineer of London, England, visited Porcupine in 1911, and examined most of the properties in the Pearl Lake section. He afterwards expressed the opinion that the Newray, then known as the Rea Consolidated, ranked next to the Hollinger. This prophecy would pro-bably have been fulfilled had the Rea bably have been fulfilled had the Reabeen developed on the same scale, and with the same skill as the Hollinger. Even at that early stage in the progress of the camp it was known that the two properties were on the same ore zone. The line of fissuring and vein formation had been traced and mapped by the officials of our Bureau of Mines, right thru from Hollinger to Newray. It was not then Hollinger to Newray. It was not then known that the great chonolith of quartz porphyry which underlies the greater portion of Pearl Lake congreater portion of Pearl Lake continued on to the Newray, but nevertheless there was on the surface sufficient evidence to show similar conditions on both properties. Lately the porphyry has been found on the west side of the Newray. Its importance is shown when we remember that without igneous intrusions there would now be no gold at Porcupine. Had the original massive keewatin complex original massive keewatin complex never been altered there would have been no channel for the ascension of the gold-bearing solutions. The in-troduction of the porphyry set in mo-tion all the great natural forces which ion all the great natural forces which finally led to the deposition and accumulation of the gold.

A Big Property.

The Newray is a big property, not only in respect of its very large acreage, but also because of its extensive mineralization. On the cent.

nineralization. On the eastern half of the property there are now four strong veins which carry gold. The quartz is intersected by numerous dark lines filled with tourmaline, is a sure indication of rich ore. This is a sure indication or rich ore. Then, these veins are all large, they are parallel to each other, and can be reached by the cross cut now under the 400. way from the main shaft at the 400-foot level. The vein nearest to the shaft should be tapped in a few days. It showed very rich on the surface where it outcropped about 150 feet northeast of the mill. In depth it ought to carry much more gold. We should have some very important should have some very important news from the Newray in a short time. The rich No. 1 vein which the former mismanagers of the property could not follow, is certainly in the great zone on the west side of the shaft. A few months of the present vigorous development will open up these two veins at depth. Then the mill can be started up again. From No. 1 vein this mill recovered \$210 above the 300-foot level. The New-ray will soon enter the list of pro-

S. R. Clarke.

ERECTING BUILDINGS AT BOSTON CREEK

Power Contracted for to Tap Kirkland Lake

Line.

Boston Creek, March 7.—Boston Creek officials have planned an elab orate construction campaign, which is now considerably advanced. Managing orate construction campaign, which is now considerably advanced. Managing Director Harry Symmes is expected back at the mines after a trip to Arizona, and important disclosures are looked for at that time. Recently, considerable building material has been delivered on the ground, and some 25 acres are in the diabase, and this supplied Incentive to Rederance of the Hargary much in thickness are in the diabase, and this supplied Incentive to Rederance of the Hargary much in thickness are in the diabase. or 30 men are engaged in putting up rock increases very much in thickness buildings, which will consist of 40 towards the south, having a dip of sleeping camps, with electricity and from 25 to 85 degrees towards that all modern conveniences. Besides, there will be a large building which will include staff house and office. This building will be two storeys high. 24x40 feet. A building of the same dimensions will be erected for the various foremen and shift bosses. Besides, there will be a building, 30x Besides, there will be a building. 30x developed on the South Hargrave. In so, two storeys high, to be used for a bunk house. This will accommodate promising bit of ground in the whole and started on the profit side of the promising bit of ground in the whole and started on the profit side of the started on the bunk house. This will accommodate men comfortably, two in each room. A separate cook room house, 20x80 feet is also to be built. A storage room, 30x60 feet, two storeys high, is now in course of construction All these buildings will be completed and occupied in the next 30 to 60 days. They are being erected in the immediate vicinity of the mines, and as soon as they are ready the present working force of 50 men will be doubled. Later the working force will be doubled again, as the manage—
Then the ment has in view the employment of 200 at the properties. The Boston Creek Company has planned from the beginning to make camp life modern and comfortable for its men. A com-munity of some 500 people has already sprung up along the railroad on the company's properties, a few minutes walk from the main workings, but up at the workings. The community has a railroad station, hotel, postoffice. telegraph office and facilities for livthe utmost importance to Boston Creek, as the power line passes by the mines within about a half mile. The company has contracted for all the power it will need, which will be sent

VEIN ENCOUNTERED

power bill at least 50 per cent.

AT GOLD REEFS

back from Kirkland Lake to Boston



Cobalt Lake Mine, owned by the Mining Corporation of Canada. The bed of the pumped-out Cobalt Lake is shown.

HARGRAVE HAS POTENTIALS OF BIG SILVER PRODUCER

to renewed effort, for it

But one man's loss is often another's

mains to be vigorously and skilfully

velop Abandoned Silver

Workings.

Special to The Toronto World.
Butte, Montana, March 7.—It is evi-

The properties lie close together in the

BEAVER DRIFT NOT

nearest workings of the Beaver are

This company, which owns

Large Acreage, Promising Geology and Effici- Winze Being Sunk on Large Boston Creek was firm at 120 to Boston Creek was firm at 120 to hands at 121, and Newray changed hands at ent Management.

Cobalt, March 7.—(From World's large amount of valuable ore in the Special Correspondent).—The 80 acres owned by the Hargrave Silver Mines, of the dump.

Gross Ignorance.

If they did not know the value of the did not know the did in under the Keewatin. In fact, at the Timiskaming, the latter rock covers the diabase for a lepth of 550 feet, and the shaft had to get thru this capping before much ore was obtain-ed. The diabase is the source of the silver. It is the youngest rock in the field. But at the Hargrave and the inventive genius since the introductive are right on top of a promgreater portion of the Kerr Lake inventive genius since the introduction of cyanide, and it had been sucgentiferous formation outcrops at the surface and mining is comparatively Cobalt.

But one man's loss is often another's

The Kerr Lake has paid \$7,020,000 gain, and there is a pleasing feature in dividends. It is the most production in the record of the Hargrave: its introductive mine in the dishage and besides future is wholly unimpaired. It is far tive mine in the diabase and besides future is wholly unimpaired. It is far it ranks third in importance in the entire Cobalt district, the Nipissiag, worked at all, and therefore the old with over 800 acres, taking first place, and the Coniagas second. But the Kerr Lake is now bidding strong-ty for second place, and if it reaches the coning of the coning the Kerr Lake is now blitting strong-ly for second place, and if it reaches that goal it will, in the ratio of pro-duction to acreage, be the greatest under better auspices the mine reduction to acreage, be the greatest mine in the camp.

Two Contracts.

Two Contracts.

The diabase cuts thru the older rocks in a nearly horizontal direction. This gives it an upper and a lower contact and in the vicinity of these contacts there are zones of special enrichment. After passing thru the overlying Keewatin complex and highly payable values at the upper contact, the Beaver has now opened up splendid ore on the lower contact at a depth of 1600 feet, and many at a depth of 1600 feet, and many work. authorities believe that this develop-ment will prolong the life of the sil-now have a fair chance, and if it

wer camp.

The Timiskaming is also making very substantial progress in the diabase, but has not yet reached the base, but has not yet reached the and this is no more than their due, in lower contact. Further south quite view of their long period of waiting. a number of mines are being actively. All things come to him who waits.

S. R. Clarke. developed and all are looking forward to special values in the diabase. This rock has an average thickness five times greater than the hickness five times greater than the onglomerate, and it is now coming ADVANCE IN SILVER

The upper contact has been partially exploited on the East Hargrave, but the lower contact is still virgin ground on both parcels. The great No. 3 vein of the Kerr dent that under the management of Lake mine appears to be very strongly William L. Creden the Davis-Daly Copcamp. There is no dead work in get-ting thru a capping of Keewatin. The diabase shows on the surface, and the heart and lungs of the City of Butte, wein contained high grade as well good has been a long time coming into its milling ore on the small portion explored at the north boundary. All The Butte-Detroit Copper and Zinc the conditions called for aggressive Mining Company has been a factor mining. The property is in the very in turning Davis-Daly from the loss centre of the famous silver district, to the profit side. Butte-Detroit is

and the formation could not be more also under the Creden management. Large Acreage.

Central part of Butte, operated upon a common plan of deep development large acreage. It will be remembered and of making them contribute as that when the extraordinary richness much as possible to their keep in the areas to twenty acres. But the Har-grave titles had been acquired before suggested here that the high prices this had come into operation. It there- of silver may cause Mr. Creden to give fore retained its large holdings, and his attention to the production of silin view of all the circumstances it is ver from the upper levels of the Ophir heretofore. Of course, the former most famous of Butte's silver produc-officers of the company had never ers. This was before the era of copofficers of the company had never been and secretary-treasurer were lawyers, for a quarter of a century. Now that Rirkland Lake a few days ago is of residing in Toronto, both standing very high in their profession, but their very eminence in their special vocation may have impaired their efficiency recovery of values from the ore, the as directors of the mine. It is an old adage that the "Shoemaker should stick to his last," and it is plain that will put up a sub-station at Boston Creek. Electric power will cut the grave failed to measure up to their great opportunities. They had a splendid property to begin with, and while it was tied up in litigation, they should have learned something of mining, and of the methods employed on the neighboring property. But they never seemed to get anywhere or to Special to The Toronto World.
Porcurine, March 7.—In the stoping a few days ago at the Porcupine Gold money, but with all the hesitation and a few days ago at the Forcupine Gold money, but with an the hesitation and nearest workings of the Beaver are nearest workings of the Beaver are over 100 feet from the Timiskaming. Since the discovery of the rich veins at depth, work has been confined to blowing out a station, and when this develop it on the South Hargraye the cresscut, when the manager states he develop it on the South Hargrave, or to expects to open up a large body of crette Kerr Lake people had taken \$18,and he is satisfied he can make good on out of it by encroaching on the returns in May on the present de-Hargrave ground. Then they delivelopment. Samples from the new velopment. Samples from the new velopment berately shut down on the 31st of Decurrent events and happenings read defeated in St. John County in the velopment to be sent to Toronto within velopment to be sent to Toronto within the tree well and over the Toronto World. It is essentially a elections, but it is announced that severally a velocity of the tree well and the tree w \$25,000 cash in the treasury, and a newspaper.

EARMARKS OF BIG MINE AT DAVIDSON

A crift has been stated on the southeastern end of the air shoot at the 100-foot level of the Davidson Limited, of Cobalt, are practically all in the Nipissing diabase. This igneous rock is in the form of a sheet or sill and penetrates all the other formations.

South of the Hargrave, at the Timiskaming and Beaver, the diabase has come in under the Keewatin. In fact, at the development on the Beaver. Besides the flotation process had wrought a drifting has now been revolution in the reduction of nearly all metals from their ores. Flotation alone should have spurred them tory manner.

A winze is to be sunk immediately was then

workings are right on top of a promising ore body. The results will be of distinct importance, since the management is only awaiting the proving up of this lower devel in order to de-termine the size and character of mill to be installed. The development of are. It was officially announced yes fact the mine at this depth is expected to terday that an offer had been made bring satisfactory results, and the indications are that a very substan-land Lake at 50 cents per share. Mr. tial body of high-grade milling ore will be brought into sight on this

The company has just complete the installation of one of the most complete assay offices in the north country, as a result of which samp-

state that the property has all the carmarks of a big mine in the making. The management is carrying out safe and same plan of development, which calls for the putting into sight of two years' ore supply before a mill is installed. The conservative policy of those in charge of operations has proved a distinct asset to the company in the past, and it is doubtful if any other mine in the camp has made as much progress for the amount of money expended.

OIL FLOTATION PROVING EFFICIENT

Cobalt, March 7.-The Callow oi flotation plant, with a capacity of 200 tons daily, which was insalled at the McKinley-Darragh mine about eight months ago, is working to the entire satisfaction of the management, During the last week in January less than one ounce of silver per ton was lost in the tailings, while for December and January the loss in the tailings averaged 1.14 ounces per ton.

In view of the fact that the tailings from the older method of treatment

were considered low when they ran from five to seven ounces, the great mportance to future treatment of the Cobalt ores by the cil flotation pro cess can readily be seen. Practically all the plants in operation here are oil mixture, consisting of pine oil, coal tar and coal tar creosote

TO APPEAL AGAINST Butte-Detroit is COURT DECISION

It was stated by F. L. Culver, president of the Timiskaming Co., that an appeal would be made against the deof Cobalt became generally known the future, taking advantage of the high cision of Mr. Justice Latchford last Government of Ontario limited mining copper market and the very satisfactory Monday, who granted an injunction re-It has been straining the Timiskaming sharehold ers from holding a meeting which had been regularly called according to the bylaws of the company. The offer of Kirkland Lake stock, which was to the present buildings are being put difficult to account for the comparamine of Butte-Detroit. The Ophir have been considered at this meeting have been considered at this meeting have been considered at this meeting have been withdrawn, but Mr. Culver is the workings. have been considered at this meeting, appealing on principle.

Borden and Perley Hold Conference With Derby

Canadian Associated Press Cable, London. March 7.—After attending the war cabinet session, Sir Rober Borden, with Sir George Perley, had conference with Lord Derby, the NEAR TIMISKAMING war secretary, respecting important matters affecting the Canadian forces The rest of the day was occupied in visiting hospitals. The premier saw a large number of Canadians. He ad-In a despatch in one of the morning papers yesterday it was reported that dessed gatherings at two hospitals. The men assembled gave a most imdrifting on the Beaver at the 1600foot level had followed the veins to pressive and inspiring response to Sir within five feet of the Timiskaming line. This statement, according to Robert's address.

FOSTER STILL LEADER.

President Culver was erroneous, as the is completed a winze will be sunk on cent provincial election, held here today. Walter E. Foster, of St. John. was declared the first choice for premier For the most reliable articles on of New Brunswick. Mr. Foster was current events and happenings read defeated in St. John County in the eral seats have been offered him.

QUIET CONTINUES

Price Changes Small-Mc-Intyre and Great Northern Stronger.

A practically dull and uninteresting morning session in the mining stocks yesterday was followed by more activity after the noon recess, and the aggregate business compared very favorably with other days in recent times. There was little news of any consequence to influence prices, and price changes from the previous day were few in number and narrow in

movement.

An optimistic view of the situation is being taken by many of the brokers, who are of the opinion that the movement is heavily oversoid and is at the bottom unless some new crisis in international relations develops. There is a curious lack of pressure at the present time, the softness being due rather to lack of buying than to liquidation. The shorts apparently are sitting tight and keeping a close watch on the market trend. McIntyre was a firm spot yesterday, making a gain of a couple of points to 182. Apex held fairly steady till just before the close, when it eased off to 9 1-8, a loss of ¼ from the high for the day. Apparently the official for the day. Apparently the official notice of the cut in Hollinger dividends had been fully discounted as the stock was quiet at \$5.30.

Schunacher displayed a little activity, selling up to 62. Teck-Hughes held at 75, and West Dome Con. was mparatively steady at 231/2 to 28%. comparatively steady at 23½ to 25%. Hargraves was again the active feature of the Cobalt stocks, showing a tendency to react slightly from the high point of the previous day at 19½ by selling off to 18½. Adanac held firm at 28½ to 29, while Beaver was steady at 44 to 44½. Great Northern was stronger on the good reports from the rine property, going up to 15½ on zinc property, going up to 15% on active trading. Peterson Lake was a trifle easier at 13 to 13%. Timiskaming was unchanged at 57 %.

Current reports on McKinley betray bullishness, it being stated that the statement which will be made public in a few weeks is going to be a pleasant surprise. The stock reflected

pleasant surprise. The stock reflected this feeling, being firm around 55. BUYER APPEARS FOR KIRKLAND LAKE STOCK

If the Timiskaming shareholders were not anxious to buy the Kirkland Lake stock, other interests apparently Culver turned the offer down.

STANDARD STOCK EXCHANGE. Gold-Apex ... 9½
Boston Creek ...
Davidson ...
Dome Extension 28½

Dome Extension 2072	22
Dome Lake 23	Control of the Contro
Dome Mines20.00	19.00
Eldorado 10	
Gold Reef 8/8	31/2
Hollinger Con	5.25
Homestake 55	
Inspiration 13	12
Jupiter 21	112
Kirkland Lake 55	45
McIntyre	181
Moneta 15	115
Newray Mines	
McRae DI	50 66
Porcupine Crown 70	
Keora 10	141/2.
Porcupine Imperial	3 % 214
Porcupine Tisdale 21/2	
Porcupine Vipond 46	431/2
Preston 072	5
Schumacher Gold M	62
Teck - Hughes	71
West Dome Con 28%	28
Krist 201/2	20
Cilvor.	00
Adanac 30	28
Roiley 111 072	61/4
Requer 1172	
Buffalo 100	115
Chambers - Ferland 14	****
Crown Reserve 40	36
Cifford 4/2	41/4
Great Northern 10%	15
TIONGPOWAS 19	181/2
Undenn Bay	42.00
Wongheek 2072	211/4
Worr Take	4.45
Lorrain	32
To Rose	51
Wallinlow - Darragh 00%	55
Minister	7.95
Ombin 10	9%
Detergen Lake	121/2
Dight-of-Way	4 %
Shamrock 20	211/2
Gilver Leaf	21/4
Timiskaming 08	57
Twetheway 10	:::
Butto 141 141 141 141 140	120
St. Clair	5.20
MiscellaneMis-	11.0
Vacuum Gas 41	35
Total sales, 114,793.	
Silver, 75½c.	
(B) - '10' - '1	

STANDARD SALES. Open, High, Low. Cl. Sales . 9½ 9½ 9½ 9½ 6,000 .121 . . 120 1.700

1	Bos. Creek121		140		70,000
-1	Dome Ext 281/4	281/2	281/4	281/2	4,000
1	Dome L 22	221/2	22	221/2	3,600
1	Gold Reef 3%		31/4		6,100
1	Holl. Con5.30				, 500
	Kirkland L 48				2,000
- 1	McIntyre181	182	181	182	8.600
1	McRae 501/2				1,000
-1	Newray M 115				3,531
t	P. Crown 68		67		800
	P. Imperial 4		31/2	31/2	2,600
	P. Vipond/44				2.000
- 1	Schumacher 61		61	62	2,300
1	Tough - O255				50
9	Teck - H 75				900
f	T Krist 21	21	2016		5,800
0	W. D. Con 28	28%	28	281/2	12,637
	Cilmor				
	Adanac 29	29	281/		2,000
8	Bailey 61/2				1,000
	Beaver 441/2		44		1,600
1	Cham Fer., 131/2	13%	131/2	13%	1,000
	Conlagas4.15				25
1	Gifford 414			9	2,000
y	Gt. North 151/2		15	151/4	6,500
y	TIO POTO TOS 1916	20	1814	19.	24.250
10		23	211/	23	1,200
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4	Nipissing8.00 Peterson L 14		12%	13	3.800
	Shamrock 23		1		500
đ	Timiskam 571/2				3,600
e	Miscellaneous-				
t	St. Clair5.30				440
5.	Butte125				
_	Butto		77.7		



year.

ONTARIO'S

If you want reliable news of all the mining camps of Northern Ontario, subscribe for The Northern Miner, Cobalt, Ont. Canada, \$1.50; U. S., \$2 per

Sample on request

IN MINING STOCKS MARK HARRIS MINES and MINING

Last week while traveling between Toronto and Buffalo I

had a very interesting talk with two large manufacturers, one a Canadian and the other an American. The Canadian mentioned the fact that his chauffeur, some months ago, asked to be placed in the factory so that he could earn more wages, and as he was a splendid mechanic he gladly

As a chauffeur the man had been earning \$20 a week, but in the factory he had advanced rapidly until now he was averaging about \$10 a day.

The point that impressed itself on my mind was the next statement made by this Canadian manufacturer, which was that the chauffeur, although earning fully three times as much as he formerly did, was not saving a penny.

His wife and child were dressing much better than they did a few months ago and he had moved into a better house, but only a few days before he had told his employer that he had not put aside one dollar.

No doubt, this chauffeur's case is typical of thousands of wage earners of today and I want to take this occasion to sound a warning to those who are spending as fast as they earn.

The present abnormal times cannot continue forever. Some day there must be a readjustment, and when it comes wages will be cut along with other expenses. The manufacturer can only continue high wages as long as he receives high prices for his product; so when competition arrives once more the manufacturer must meet it or shut down.

This day may be a long way off, but on the other hand, it may come sooner than expected, so in either case it behooves the prosperous wage earner to give the future a thought and to put aside a small portion of his earnings for the inevitable

The wise farmer always "makes hay while the sun shines" and the wise wage earner will do likewise.

The American manufacturer spoke of conditions in his home town in Ohio. He told of shopgirls that were now earning as high as \$30 to \$35 weekly, whereas they formerly received from \$6 to \$10. Nearly every shopgirl in the town had got into the habit of expensive adornment, and the ordinary shopgirl thought nothing of paying \$10, \$12, \$15 and even \$18 for a pair of white-topped fancy shoes.

Some of the girls have different shoes for every day in the week, while others have different colored gowns to match the fancy shoes.

To me this seems a crime, because when the hard times do come nobody can eat these shoes, and that is about all some of the shopgirls will have to show for the abnormal wages they

The United States is about to go to war, and this means that Uncle Sam with his well-filled purse will add one more cash customer to the list.

Uncle Sam will, no doubt, spend more than a billion dollars with these same manufacturers that are now paying such high wages, so it is safe to assume that present conditions will endure for some months, if not for some years.

This being established, I believe it is not only necessary, but that it is a sacred duty for every well-paid wage earner to save and invest at least half of his weekly earnings.

There never was a more opportune time than the present for investing money, and I will gladly give any wage earner full and complete information as to the best securities for his surplus funds. The Canadian wage earner should put his funds into the

Canadian War Loan, which is absolutely safe and which returns him more than he can secure from the savings bank. These War Loans can be purchased in small amounts and arrangements can be made to pay for them on the instalment

plan. I want to also call American investors' attention to this War Loan and to say that in my opinion it represents an ideal

investment for widows, orphans and trust funds. As an investment there is nothing safer in this world, for it is backed by Canada's wonderful resources, and these, as we all know, are practically inexhaustible.

Upon request I will gladly send full information regarding the various Canadian War Loans, including market price, terms of payment, interest return, etc.

Marketaris

P. S .- Butte-Detroit, the stock that I called attention to several weeks ago, has consistently advanced, until today it is selling around \$1.30. In view of the market conditions this is a remarkable exhibition of underlying strength and, in my opinion, presages a big upward movement in the near future-Buy Butte-Detroit.

NOTE-An article on mines and mining by Mr. Harris will appear every

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