THURSDAY MORNING

UNEQUALED IN SIZE Big Glory Hole With Area of Ten

Acres Blasted

DOME ORE BODIES

Out. NINETY PER CENT. ORE

No Approximate Estimate of Tonnages Has Yet Been . Made.

ublic attention has been spe-cted to the Pearl Lake sec-incupine, and the consolidacially (

to make costs and values in the future more equal than they have been in the of Porcu tion recently announced by the Can-adian Mining and Finance Co., Limi-icd. Each of this 2 1-3 miles is the The deposits at the Dome in a genral way resemble those at the Hol-linger. There is however a greater tendency to form separate shoots or chimneys. At the Hollinger they are also one of the very big pro-of the camp. It owns six claims of 40 acres each, and more linear. It cannot however be said that this has any bearing on

very recently has taken an option on the Dome Extension adjoining on the east; 46,000 shares of the Dome are to be transferred in payment. At the present price of the stock this amounts to the tidy sum of \$1,28,000 either quantity or value. It merely suggests that the force which opened the ore channels was exerted from a different angle and in a different tidy sum of \$1,288,000. Dome Extension holds 200 acres

The Dome Extension holds 200 acres and if the deal goes thru the Dome Consolidated will have the same acre-age as the Hollinger Consolidated; this however is merely a coincidence, for acreage alone does not make a mine. The Timiskaming series of frag-mental rocks are exposed on a small section of the Dome properties, and the mining now going on is near its contact with the Keewatin volcanics. Between the Dome and the Dome Extension there is about a quarter of a mile on which the auriferous for-mation does not show on the surface. been found that the atmosphere affects the temperature even at that depth and but it is proved on both sides, and therefore must be continuous thru the low ground.

the slight changes with the seasons are quite perceptible. Much more would this be the case in Porcupine. The cold air from above forced thru the deep workings would neutralize the increasing termonomy. On the Dome there is an open pit r "glory hole" elliptical in shape, and or "glory hole" elliptical in shape, and having a total area of about 10 acres; over 90 per cent. of this material from this has been blasted out and sent to the mill during the past four years, and values have averaged about \$5 per ton. This is a remarkable recthe increasing temperature because of depth. Porcupine is rapidly swinging into line with the Rand. We have defin-itely settled down to the exclusive use rd when we consider the dimensions of the open pit, and the fact that less cyanide as against amalgamation

of cyanide as against amalgamation. We are using stamps and many tube mills. We are effecting consolidations and thus reducing costs, and as Mr. Robbins intimates, are also guarding against the risk of loss from geologi-cal changes; and, lastly, we are aim-ing at handling ever increasing ton-nages. Porcupine is indeed the only serious rival of the Rand. There is no other now appearing above the hori-zon in any part of the world. than 10 per cent. of its contents was discarded as waste. It may be said without fear of con-

It may be said without tear of con-radiction that there is no other gold aine in the world capable of making a equal profit from quarrying opera-ions on such an extensive scale. ant is now going on beyond

bevelopment is now goins on beyond the limits of the quarry within an area 1500 x 400 feet, and it is proved that the potentially productive ground ex-tends considerably beyond these limits. Several enormous shoots of ore have been met with. At the 600-foot level Dome-A Great Mine. The Dome Mines, commonly known as "Big Dome," is the rival of the Hol-linger for pre-eminence in the Porcu-pine district. While the Dome is es-sentially a big medium grade propo-sition, it must not be considered a low grade mine. While it is perhaps a low grade proposition when compared are is an ore body 315 feet long by feet wide, carrying \$11 per ton. lues have been improving below 300 b, and it is probable that in the near eet, and it is prob to that of the Hollinger Consolidated.

and at less cost than the Hollinger. The veins on the Dome are, as a rule, huge masses of quartz and other vein matter carrying, in some places, high gold content, but averaging up to good values. One can see in the Dome what has yet to be located in other mines of Porcume, drifts showing veing up to property, a etter of a T the market letter of a Toronto broker stated that ore occurred over a lensth of 1500 x 300 feet. If this continued to a depth of 5000 feet it would give 170,-000,000 tons. At \$8 per ton this would be \$1,356,000,000. It is not probable that there is any continuous ore body of these dimensions, but there are many big shoots which may aggregate 100,000,000 tons when mined to great

The mines recently opened up at Juneau, Alaska, have from 75,000,000 to 100,000,000 tons available. But mill tests of 900,000 tons gave values of only \$1.25 per ton. In ore of this tenor profit is possible only when costs are reduced to the minimum, and the Ju-neau ore is being mined and treated

Values. One can see in the Dome what has yet to be located in other mines of Forcupine, drifts showing veins up to 150 feet wide. This is remarkable when it is considered that No. 4 vein on the Hollinger, the largest in the mine, shows only 45 feet wide of ore. An illustration of the Dome can be seen in the huge Glory Hole where the ore body was so wide it could not be mined from below like ordinary ore bodies. This huge amount of ore will average around \$4 a ton. Dome Not Low Grade. The idea must not be gathered tho that all Dome Mine's ore will run around \$4 a ton. Some months ago an official statement was sent out in-forming shareholders of the finding of a new ore body amounting to 375,000 tons of an average value of \$15 a ton, or then known to contain values total-ing \$5,625,000. As development work is carried on to greater depths higher grade ore bodies are being constantly encountered. The official statement issued along with production figures in February said: "Several new set for the set of the production figures in February said: "Several new set for the set of the set of the set of the production figures in the set of th for 60 cents per ton. From the beginning plans at the Dome have been framed with a view Dome have been framed with a view of reducing costs, and they are now about \$2.50 per ton. At the Hollinger they run \$1 higher. At both mines betterments and increases in tonnage are under way. This has a tendency issued along with production figures in b'ebruary said: "Several new strikes have been made at the Dome property recently, in ground where values were unlooked for. Among these is a crosscut on the seventh level, thru twenty-seven feet of ore which averaged \$9.90 per to

There has been a wonderful ad-vancement in the physical condition of the Dome during the past year or so. An opinion is commonly heard ex-pressed by mining men in Porcupine that the Dome has something like nine **M'INTYRE SETS** years of ore, based on the present mill capacity, blocked out above six hun-dred feet. This does not include the de-velopments of the past few months be-low that depth and the results of ex-tensive diamond drilling and other ond drilling and other tensive

exploratory work. Increased Production. During 1915 Dome Mines milled 317, 578 tons of ore of a gross value of \$1,-468,272, or an average of \$4.56 a ton. Comparing the production of January 1915, with 23,220 tons of an average 1915. With 23,220 tons of an average value of \$3.56 a ton, or a total of \$82,-\$27. and December, with 30,120 tons of ore, averaging \$5.34 a ton, or a total of \$160,950.70, an idea of the growth of the Dome both in mill capacity and average values can be had. Since the first of this year to the end of March over a half million dollars in cold me

over a half million dollars in gold was recovered in the Dome mill. The figures are: Tonnage, Average, Recovery lan'y. .. \$5.58 5.10 5.05 31.600 \$176,590 32,040 34,300 Febr. ... The February was a short month features of the Porcupine list were Mar. the tonnage increased over January. With one tube mill in constant oper-

ation at a capacity of near 400 tons a day and another to be in operation shortly, increased tonnage will be in order 'from now on. Some stamps were removed to make room for the order 'from now on. Some stamps were removed to make room for the installation of the second Hardinge mill and it is possible that as more ball mills are installed all the stamps

ball mills are installed all the stamps will be removed. The present plan of increased mill capacity, thru the ad-dition of ball mills, means an ultimate capacity of approximately 100,000 tons a month. Many changes are also being made to the sliming section of the mill.

mill

Silver Advances and the

THE TORONTO WORLD

The strength of the market for bar silver is best exemplified by advance of 8c an unce. It took four days to force the price down four cents from 77% to 78%c, and 3c was recovered in one day. But dealing with the actual commodity is the best indication of how strenuous is the demand for the white metal. One Cobalt company yes-terday, made a sale at 80c an ounce. The New York Times, terday, made a sale at soc an ounce for delivery July 1 next. New York Times, in a recent article, points The out the hoarding that is going on in silver owing to the belief that paper money will suffer a big depreciation at a later date and claims that this is one of the reasons for the unusual demand for silver metal and that the rise in price is of no temporary character. The Cobalt companies are going to make hay while the sun shines and have already started in on dumps and low grade veins to increase production. Big shipments of ore will be made as quickly as possible Like many other commodities new uses have been found of late years for silver and amons them the silver production for the "movies" needs a supply that really counts in figuring up the world's demand. The drop in the price of silver gave some holders of Cobalt stocks cold feet and they released their holdings only to see them increase in price again yesterday. Gold stocks are liable to move concurrently with the securities and the Hollinger amalgamation will draw world wide attention of Porcupine. The Dome statement, it is said, will be a revelation and the finding of ore on the McIntyre Extension at 1,000 feet, has put the McIntyre in the gold producing, class as nothing else could. The mining stocks are just beginning to get the attention that their

Silver Shares Follow Suit

position as investments warrants.

NEW HIGH RECORD The Beaver Consolidated shaft is now down between 1570 and 1600 feet and very soon a station will be cut and development work started. Within a few weeks it ought to be shown whether the company's policy was the right one. Geologists contend that the lower contact will contain values equal with those on the upper levels from which Timiskaming and Beaver ob-tained their big values. Manager Cul-ver has held the same opinion, with the result that the Beaver has the deepest shaft in the north country. The Beaver is getting ready a carload of milling concentrates for shipment. Mining Market Had Broadening Tendency With Upward Movement. The market at the Standard Stock

Exchange yesterday showed a strong-er tendency pretty well all thru the er tendency pretty well all thru the list, and with the gold stocks led by McIntyre, which touched a new high level, and silver up to 76 1-4 again.

Mining Notes

the feeling prevailing was distinctly bullish. Trading was more active Manager F. L Culver of the Beaver Consolidated received word from the manager of the McCane property in Kirkland Lake that a new vein, six inches in width, had been run into on a drift to the west from the 100-toot level. Samples of the ore have been sent to Cobalt to be assayed. The Mc-Cane property is under option to the Beaver and considerable development has been done by the Beaver Company than on the previous day, with trans-actions amounting to almost 170,000 shares. The market was broader McIntyre, Hollinger and West Dome Consolidated. The latter stock, which has been done by the Beaver Company to try it out.

Some assays taken from the tail at Dome Lake last week showed values of only 40 cents to the ton remaining. This is identical with the Hollinger tailings values lost, and speaks well for the efficiency of the new cyanide plant. This is quite a contrast to the conditions previously obtaining, before the construction of the new cyanide plant, when, during the year 1915, in the 11,727 tons of ore treated \$21,454,-86 was loss in the tailings, equal to a The whole list of silver stocks was firmer, public interest which was be-ginning to flag being renewed by the recovery in the price of the white metal. There was more public parti-cipation in the trading in conse-guence and some brokers are tolking quence, and some brokers are talking of a renewal of the big markets of



After my announcement in last Thursday's "World," re LOR. RAIN CONSOLIDATED, my Toronto office was fairly deluged with orders and letters of enquiry. Among the latter I found many who asked me to fully explain the meaning of underwriting and options.

Underwriting and Options are so familiar to every broker that one often makes the error of thinking that all laymen understand financial terms, whereas when one thinks the matter over, there is no more reason for the shopkeeper, manufacturer 'or artisan to understand underwriting, options and numerous other financial terms, than for the brokers to know all the technical words of farming, manufacturing or trade.

When a broker underwrites stock or a bond issue for a company, it means in simple language that he signs a contract in which he agrees within a certain period of time to purchase so many shares of stock at some stated price.

For instance, I have underwritten 250,000 shares of the treasury stock of Lorrain Consolidated Mines, Ltd., at 20 cents per share net to the treasury of the Company. Later I offered 100,000 shares to my clients at 22 cents. For the sake of illustration, let us assume that only 90,000 shares were subscribed for, which would leave 10.-000 shares on our hands.

Therefore, although only 90,000 shares were subscribed, 1 must pay in full for 100,000, thereby purchasing what my customers did not take.

In underwriting 250,000 shares, I have obligated my firm to take this amount of stock at 20 cents per share, even if my customers did not purchase a share, and I think your own common sense will tell you that I have offered you an exceptional opportunity by placing 100,000 shares of this stock within your reach, at the low figure of 22 cents.

The fact that I have purchased 150,000 shares at 20 cents over and above what I am offering clients, is the very best evidence of my sincere belief in the future of the Company, and in allowing friends and clients to buy in small lots at 22 cents. I am doing something that is unique in underwriting.

In addition to offering this treasury stock at an advance of only 2 cents per share, I also am offering with every order of 1000 shares an option, good for sixty days, on an additional 2000 shares at 25 cents per share, irrespective of what the market value may be.

This means, I am giving you something for nothing, because

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There has been no selective mining at the Dome, but there has to some ex-tent at the Consolidated. But now that the latter are proparing to crush \$500 tons of ore per day they will, natural-ly, have to use increasing tonnages of Description over such an extens-ive area it will be several years yet before we are able seven approximate-ly to estimate the enormous tonnages



We advised the purchase of McIntyre at 45c. We have advised its purchase ever since then, consistently, persistently, and all the time. Today McIntyre is 1.30 bid, and spectacular news coming from the mine.

We advised our friends and our clients to buy BOSTON AND MONTANA at 35c on February 7th. We have consistently and persistently urged its purchase ever since. Today it is quoted at 1.25 firm, and gives every indication of going much higher.

We can see no good reason why LORRAIN CONSOLIDATED should not repeat the record made by McINTYRE and BOSTON AND MONTANA.



Mining Capital Wanted for Porcupine

An experienced mining man wants a capitalist to join him in securing control of one of the most valuable properties in Porcupine, situated in the immediate vicinity of the big mines. Advertiser is prepared to contribute two-thirds of the even required, or might on fair terms give an option on his portion, thus passing the control. The initial payment required is \$50,000.

This is a very exceptional opportunity. It can be satisfactorily proved that the property in question will make a very big mine, equal to anything in the camp. \$1,000,000 can be made in less than three years. All communications strictly confidential. Principals only.

For dull perticulars apply in the first/place to Box ST, World Office,

grade proposition when compared alongside the Hollinger, McIntyre, or

New Central Shaft. To facilitate the handling of this enormous tonnage a central shaft is being sunk thru which all ore will be hoisted. Owing to some delays in the delivery of surface equipment this im-provement has been held back but it is expected that the steel headframe, for which the foundations have been laid, will be erected shortly. Stations are being cut at all levels and prepara-tions made for handling the ore on a big scale. It has often been said that under-It has often been said that underold.

two weeks ago.

new issue will be given for one of the old. The bulls had their way pretty much in McIntyre. This issue, which has jumped back into the limelight after a protracted period of inactivity, continued to feature proceedings, breaking all previous high records by advancing to 127. And this advance was well maintained, the stock closing at the top price. This strength of Mc-Intyre is attributed to inside buying and also to big American interests, who are reported to be investing heavily in this public favorite. West Dome Consolidated has been quiet for a long time, but came in for-some buying yesterday. Reports from the property which is being ag-gressively developed are very favor-able. The stock opened at 24 1-2 and jumped to 27 on the close. Vipond had a gain of four points to its credit for the day's proceedings, closing at 54. ground developments at the Dome Mines are years ahead of the mill ca-Mines are years ahead of the mill ca-pacity but with this being remedied the Dome will no doubt be in shape by the end of this year to produce a great quantity of gold. Up to the end of March this year the Dome Mines produced \$5,086,187.29 in sold and are now paying dividends at the rate of \$800,000 a year. To Test Dome Extension. The Dome Mine is now preparing to give the Dome Extension on which it has an option to purchase, a thoro tryout. The Dome Extension adjoins the Dome Mines on the east and it has been known for some time that the Dome Mine's ore zone would dip into Dome Extension ground. For the Dome Extension to prove that the Dome ore zone does run into its property would be a big undertaking. It would in-volve the sinking of a shaft or diamond drilling to a depth of about 1000 feet

for the day's proceedings, closing at 54. Jupiter was moderately around 23 1-2 to 24. A big block of this stock is rumored to have changed hands at 25 off the board.

volve the sinking of a shart or diamond drilling to a depth of about 1000 feet before any ore would be encountered. The Dome, however, intends continuing the drift on the 700-foot ievel into Dome Extension property. There is a difference in the elevation of the sur-face of the two properties. Practically all the work on the Dome Extension has been done some dis-tance from the Dome Mines line. At 200 feet a big body of low-grade ore was encountered. At present some development work is being done on this but so far it has not proved to be com-mercial ore.

mercial ore. Changes at Dome Lake. The Dome Lake is the only other producing mine in the Dome section of Porcupine. For some time the Dome Lake mill has been closed down while a cyanide agitation plant has been add-ed. This should prove of great bene-fit as it is guaranteed to give an ex-traction of 95 per cent., whereas the old mercial ore. Changes at Dome Lake. ed. This should prove of great bene-fit as it is guaranteed to give an ex-traction of 95 per cent, whereas the old amalgamation process gave under 80 per cent. Capacity will also be in-creased by the cyanide addition from 40 to 70 tons. During 1915 Dome Lake made a profit of \$5776 above all expenses des-pite low extraction and a large amount of development work. The ten stamp mill treated 11.827 tons of ore of an mill treated 11,827 tons of ore of an average value of \$9.12 per ton. With the increased capacity and extraction it is thought that an appreciable profit

It is thought that an appreciable profit will be made from now on. Underground development at the Dome Lake has been very encourag-ing since the first of the year. Several ore lenses have developed into a good grade of ore.—Pearce.

in the winter, and more will be car-ried on this summer. Along the south border of Tisdala Tewnship, Chisholm's Corporation, Limited, of Toronto, has let a big dia-mond drill contract on which six dia-mond drills are working.

Mark Harris says: The present price

Mark Harris says: The present price of silver is directly responsible for in-creased efforts on the part of all silver producers in Northern Ontario, and will inevitably cause greater ship-ments than have ever been recorded. It is directly responsible for the open-ing of properties in the Cobalt-South Lorrain district. South Lorrain is among those first affected, because of the known values existing there; Bel-icilen is sacking high-grade ore; the old Wettlaufer, now operated by the Comfort Mining and Leasing Co., has made preparations to concentrate all the lower grades of ore produced. Currie is carrying on aggressive de-velopments; the Lorrain Consolidated auspices.

IMISKAMING AND HIGH SILVER PRICES.

Editor World : The remark. able advance which has occurred recently in bar silver has been a welome friend to the Cobalt camp, and has incidentally benefited holders of Cobalt securities.

Cobalt securities. In the case of Timiskaming the re-sult has been far more important than the average person realizes. A sum-mary of the position of this important producer gives rather cheerful results. Everyone familiar with conditions be-hind Cobalt stocks is aware that the known ore reserves of Timiskaming active

hands at 25 off the board. The stronger tone in the Cobalts was directly due to the advance in silver. Timiskaming as usual dis-counted the higher price of silver. opening at 69, selling up to 73 1-2 and closing at 72 1-2, a net gain of 3 1-2 points. McKinley - Darragh was stronger for the same reason, selling up a point from the opening at 67. Peterson Lake showed considerable hind Cobalt stocks is aware that the known ore reserves of Timiskaming are indeed very substantial. Some de-close are as high as nine or ten million ounces, others have the reserves wards. Information received thru an employe of the company would indicate six million ounces blocked out, and this party was in a position to know if any-Timiskaming Enthusiast

-Timiskaming Enthusiast. STANDARD MINING EXCHANGE. Asked. Bid. Porcupines-Apex Dome Extension Dome Lake Dome Mines Dome Consolidated point gain, opening at 45 and closing at 48. Reports received yesterday from the Kirkland Lake property under option to Beaver spoke of the finding of a six-inch vein of good ore on the 100-foot level in a drift to the Adanac held firm at 66 1-2. This is another stock that is little influenced Jupiter McIntyre McIntyre Extension by weakening influences. Chambers-Ferland was up to 31, closing frac-tionally lower at 30 1-2. Moneta Pearl Lake Pearl Lake Porcupine Crown Porcupine Gold Porcupine Imperial Porcupine Tisdale Porcupine Visond Preston East D. Schumacher Gold M. Teck-Hughes West Dome West Dome Con. Cobalts— Adanac Bailey High. Low. CL Sales Bailey 2 1,300 500 10,350 500 2 1,300 2 1,700 1,350 5,000 42,382 Chambers-Ferland 32.00 Scheck Scheck Scheck Scheck Scheck Scheck Scheck Sup. Tiniakaming Trethewey Wettlaufer

168,288,

York, Ont. Total sales, Silver, 76%

721/2

give you the option free of charge and unless the market price of loss of \$1.83 per ton, a saving of \$1.43 Lorrain Consolidated was above 25 cents no one would care to exercise his option.

When a broker gives a client an option, he simply gives him. a letter stating that at any time within the date mentioned, the broker will deliver a certain amount of stock at a certain price.

The options I gave stated that at any time within sixty days, I would deliver double the amount purchased at 25 cents per share, therefore, after the stock is listed on the exchanges, my clients have only to watch the market quotations and should Lorrain Consolidated sell at 30, 40 or 50 cents per share, they can immediately write or wire me to deliver them the amount of stock called for in their option at 25 cents per share.

With silver at record breaking prices today, and going higher every week, it looks like a certainty that all good silver stocks will sell at much higher prices and Lorrain Consolidated, being a good silver stock, should share in this big advance.

Only last September, silver was selling at 461/8 cents per ounce -today it is over 76, an advance of 30 cents, and unless all the known signs fail, it will be worth \$1 or more an ounce before long.

Do you realize what this all means for producing silver mines? Just to bring the full meaning home to you, let us take a parallel example. Suppose through some economic reason connected with supply and demand that the earnings of the Canadian Pacific Railroad were just doubled this year, also that the prospects for these greatly increased earnings to continue for many years were extremely good-do you know what this would mean for Canadian Pacific stockholders?

It would mean that the price of Canadian Pacific stock would immediately advance from its present figure, \$168 per share, to above \$300 and every stockholder owning stock valued at \$5000 today could, if he so desired, dispose of his holdings at \$10,000 or more.

Putting it another way, let us assume you own a large farm of 1000 acres, for which you paid \$100 per acre. Suppose you had 900 acres of wheat ready for the harvest when wheat suddenly ad-vanced from \$1.00 to \$2.00 a bushel, with every indication that it would sell at \$2.00 or more a bushel for many years. Would you sell your farm for \$125 or \$150 an acre? Certainly not. You would know it was good value at \$200 or more, and if you really wanted to sell, you could no doubt find many buyers, for the profits on wheat at \$2.00 would be considerably more than double what it was at \$1.00, for the second dollar advance is all clear profit, whereas there is the big expense of sowing, raising and harvesting to be deducted from the first price.

This in a nutshell is the situation confronting all good producing silver mines and I would not be at all surprised to see many stocks selling at double their present value before 1916 ends.

The cost of producing silver in the Cobalt district is decreasing through new and scientific methods, while the metal itself is going higher all the time. The result is inevitable-values must go up.

My sincere advice is to secure an interest in some good silver property today. This you can do by purchasing its shares and as I said last week, LORRAIN CONSOLIDATED IS THE BEST SILVER OFFERING I KNOW.

After these few shares are gone, the only way you can purchase Lorrain Consolidated shares will be in the open market, and I feel quite safe in saying you will pay more than 22 cents for them.

mackeranie

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y-Timothy, mixed and traw-Bundle

J. P. Bickell Building

Open. ··· 115% ··· 117 ··· 116%

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NORTHWES

WINNIPEG

VINNIPEG, eat closed 2014. This both months ay and 14c for one. October cl ay and 14c ov Oats were 14c arly was 14c i higher.

STANDARD STOCK SALES.

Porcupines_