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THE MINING REVIEW.

VOL. I.

ROSSLAND, B. C., DECEMBER 30, 1896.

No. 16.

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MANAGEMENT OF MINES UNDERTAKEN

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Mining Claims for sale near Rossland, Trail and in the whole
Columbia basin.

WILL EXAMINE AND REPORT ON MINES

MINING NOTES.

There seems to be room for prospectors in Ontario. It is now stated that there is a mineral zone of value extending through the Parry Sound district, and that good ore has been found near Sundridge and in other sections of the district.

A quiet little boom is being worked up by Kamloops men, who have some meritorious gold-copper claims near their town.

St. Paul has now a three-drill compressor plant, and active work on the fine ore of this claim has been begun.

The Hall Mines smelter, after running for a few days, has again closed down. No reason has been made public.

The Great Hopes claim, at Deadwood, Boundary Creek, has been sold for \$12,000.

Six months ago, says a news dispatch, a number of Denver men commenced prospecting for zinc and lead in Trego and Ellis counties, Kansas. Reports of rich discoveries were made, and assays apparently showed a very rich vein of zinc. Excitement increased until Kansas City and Topeka capitalists put in \$200,000 for machinery to smelt the ores. Prof. Hovarth of the Kansas University made a report which shows that there are not even traces of zinc and lead in that region. The scheme was originated by Denver parties, who first secured options on lands and then sold out to the Topeka and Kansas City parties at a fabulous price.

F. C. Whitney, of Revelstoke, is in San Francisco for the purpose of purchasing a mill for the Orphan Boy, of which he is secretary and treasurer.

Nice looking ore is reported on the hanging wall of the Juliet.

The Iron Mask will soon be a shipping mine. Yesterday pay ore was struck in two different places in the workings.

The inflow of water has caused a stoppage of work in the Silver Bell, one of the best known properties on the South Belt. A pump and hoist will be installed at once. The showing at the bottom of the 75-foot shaft is excellent.

A new ore body has been uncovered in the City of Spokane.

Assays of \$212 have been obtained from the sylvanite, or telluride of gold in the Jumbo.

A working tunnel is to be run on the Ottawa, which adjoins the Silver Bell.

At the meeting of the Red Eagle trustees it was decided to place the price of treasury shares at 10 cents, the change to take effect on January 2. Work is being vigorously prosecuted on this property, and considerable interest is being taken in the progress of development.

There is now a 35-foot tunnel on the Ibez, one of the South Belt claims, to attract attention recently. Five men are at work on the claim.

Not a little development work is being carried on by owners of claims on the Colville Reservation, and some good ore is in sight.

The Red Mountain mine is now a shipper. The first carload of ore has been sent to the Tacoma smelter. It carries good values in gold and copper.

There is a report to the effect that the new smelter for Rossland will be built on Maid of Erin ground, which is convenient to a number of the best mines in the South Belt.

Title to the Butte was perfected this evening. This claim, owned by the Butte Gold-Copper Mining Company, is now in excellent condition and has a very flattering outlook. The shaft, now down over eighty feet, will reach the hundred-foot level by the middle of January. Ten additional feet will then be sunk for a "sump," after which drifting and cross-

cutting will begin. Owing to the interesting character of the ore, assaying as high as \$22 per ton, through which the Butte shaft has passed in the last fifty feet, the company has been tempted to change the direction of the shaft and follow the ore. Having refrained from so doing they will now have an excellent milling shaft through which the claim may be economically explored and operated.

Le Roi's next dividend will not be declared until the regular meeting in January.

The new tunnel on the View is now in over seventy feet.

The seven-drill compressor now in use in the Le Roi has been purchased by the Lily May people, and will be installed on the pioneer claim when the new compressor is in place on the Le Roi.

War Eagle workings are now 320 feet below the surface, and the ore being taken out is the richest yet found in the mine.

An Ottawa despatch says: An application will be made at the next session of parliament for building a railway from Burrard inlet, Vancouver, B. C., to Lethbridge, with branch lines to Kamloops and through the delta to the Gulf of Georgia.

It is understood, says a Toronto paper, that Deputy Provincial Secretary Lumsden has refused to sign the papers incorporating an Ontario mining company that owned no mine in the province. The government, it is further stated, is now insisting that a company seeking incorporation must own an Ontario mine and carry on operations within the limits of the province.

The Mascot is looking immense. In this claim alone the Big Three Company has one of the finest properties in the camp, while the Southern Belle and Snowshoe are also potential mines.

There has been an influx of disorderly characters in the camp, but vigilance on the part of the small but efficient police force is effective in preserving the safety of person and property and either is as secure in Rossland as in any town of its size in the world.

Deer Park continues to present a good showing. In this mine the camp has an early producer.

The Kootenay-London Company is placing machinery on the Annie Fraction.

Several of the standard stocks are being somewhat neglected by investors, who are favoring some of the newer propositions. This has caused a slight decline, and, consequently, this is a good time to buy stocks, if ordinary discrimination be used.

The Young America shaft is now down over eighty feet. For some time the shaft has been in a well-defined vein, filled with good looking stuff, carrying little or no value. Recently the vein matter has been changing rapidly for the better, and four feet of fine looking ore is now reported in the bottom of the shaft.

Most of the trails in this vicinity have been kept open up to the present, the snowfall in the vicinity of the camp having been only moderate.

Half a dozen mines, eager for shipping honors, are being vigorously worked, and we should soon see a substantial addition to the list of Rossland's producing mines.

Poorman stock has fluctuated somewhat, but is still in a better position than before the assessment.

The Elise, on Wild Horse creek, is said to be improving as work proceeds.

Very favorable progress is being made on the Delacola.

Sinking on the Sunset shaft is again under way. For a few days work was suspended until some loose ground could be timbered and made safe. The shaft, which is now down between fifty and sixty feet, will be continued by the Canadian Gold Fields Syndicate as much further as can be economically done without machinery. A power plant will then be put in. The Sunset has the ear marks of a big mine.

GOLD PRODUCTION.

Though the year 1896 has probably seen more energy and capital expended in the development of gold mines than any previous year, the world's increase in the production of the metal will be less than might have been anticipated. The most generous estimates of the output place the probable increase for the year at about ten millions, and it is confessed that this figure is disappointing in view of the great expectations from the activity that was displayed when the year began. At that time it was confidently predicted that the mines of West Australia, which performed so creditably in 1895, would double their output for 1896, but the year appears to have been wasted in heavy stock gambling instead of mining for gold, and the result is that where an increase was expected a deficiency exists. Much the same condition exists in the Transvaal, the output of which will scarcely reach last year's figures. The disturbances with the Boer government in that country, augmented by the monopoly on giant powder and all explosives, that exist there under the protection of the government, have placed gold mining at a discount, and the best efforts of the stock manipulators to maintain a steady market have proved unavailing. Late information from the stock boards of Johannesburg show that favorite stocks are subject to fluctuation with a range as high as 50 shillings in a single day, on \$50 stocks, and there is a very evident desire on the part of holders to get their money back at once, even at a loss.

A portion of the anticipated increase will be furnished by the Russian mines in the Ural mountains and in Siberia, but the great bulk will be forthcoming from Western North America from Mexico to the Yukon river in Alaska. Unusual activity in gold mining has been the rule for the year in the coast and mountain states, and the search and development of gold fields has been so active that the production for 1897 will, in all probability, show a much greater increase than the year just closing.

Much speculation exists as to the location of the source of supply of the future, and efforts are being made to open up mines in the East Indies, in Zululand, and to place those of Australia in shape for extensive production. Some are looking forward to the tributaries of the Amazon in South America for a considerable proportion of the supply, but when all these are proven up to their best it is doubtful if they will show a more attractive field than the western part of North America. This region has unlimited possibilities for profitable gold mining. It extends from South Dakota to the shores of the Pacific and from tropical Mexico to where the glaciers of Alaska offer a permanent barrier against the encroachments of the prospector, and in the entire region there is not a square mile of mountain or plain, lake or river, that does not contain the yellow metal. Moreover, there is not a vein in the region mentioned, that is worked for the baser metals, in which gold is not found, and as the sulphide ores are reached and greater depth is attained, the percentage of gold increases. This is the region that will be the source of the world's gold supply in the future.—Inter-Mountain Mining Review.

A BOUNDARY DISPUTE.

There is a good chance for international complications between the United States and Canada over the troubles in the Yukon district, says the Alaska Searchlight of December 12.

In places, such as Forty-Mile creek, where the boundary is supposed to pass and where some of the creeks are in American and some in Canadian territory, it is impossible to determine those which belong to Canada and those which do not.

In reference to the charges concerning United States trespasses on British territory in the Yukon district and the washing of gold in Canadian waters, the secretary of state says that this state of affairs arises from the fact that the commissioners appointed to define the boundary line between the two countries have not yet submitted their reports to the government.

The district alleged to have been invaded is a Canadian town named Cudaby at Forty-Mile creek, and is the headquarters of the mounted police of the Yukon district. There is a United States postoffice there, but it is not recognized by the Canadian government.

The Canadians and the Americans in the district of the Yukon are anxiously waiting for official announcement which will define the Canadian territory from that of the United States.

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...THE...

Silver Bell Mining Company

Assays from surface ore: \$24.35.
\$42.96, \$53.00, \$52.30, \$51.90, \$85.26.
Ore taken from the bottom of the shaft on Oct.
26th, assayed \$103.14.

Situating two miles from Rossland, B.C., has good shipping facilities and all other conditions favorable for a paying mine.

Price on first block of Treasury Stock now SEVEN (7) cents per share, after December 1st the price will be ten (10) cents per share. The remarkably fine showing from development work warrants even a higher figure.

(NOTE.—Before purchasing, Rossland residents and visitors are invited to call at the company's office and a representative will gladly show them the property.)

The Silver Bell Mining Company,
ROSSLAND, B. C.



G. A. POUNDER, Pres. W. J. GREEN, Vice-Pres.
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THE IBEX MINING COMPANY.

Limited Liability.

CAPITAL \$1,000,000, in Shares of \$1.00 Each, Fully-Paid and Non-Assessable.

TREASURY 300,000 Shares.

This Company has been formed to operate the Ibex Mineral Claim, adjoining the famous Silver Bell mine.

There are three distinct ledges on the property, including the main ledge of the Silver Bell.

Development work is now in active progress.

First block of Stock on the Market at 3½ cents.

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Passengers for Kettle River and Boundary Creek connect at Marcus with stage daily.

COLUMBIA & WESTERN RAILWAY

Time Table in Effect July 1, 1896.

| | |
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| Leaves Rossland | 7:00 a. m. |
| Arrives at Trail | 7:45 a. m. |
| No. 6, PASSENGER, Sunday only— | |
| Leaves Rossland | 8:30 a. m. |
| Arrives at Trail | 9:15 a. m. |
| No. 4, PASSENGER, Daily— | |
| Leaves Rossland | 3:00 p. m. |
| Arrives at Trail | 4:00 p. m. |
| No. 3, PASSENGER, Daily except Sunday— | |
| Leaves Trail | 10:30 a. m. |
| Arrives at Rossland | 11:45 a. m. |
| No. 1, PASSENGER, Daily— | |
| Leaves Trail | 5:00 p. m. |
| Arrives at Rossland | 5:45 p. m. |
| No. 5, PASSENGER, Sunday only— | |
| Leaves Trail | 11:00 a. m. |
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Connection made at Trail with ALL STEAMERS, both up and down the Columbia river.

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Red Eagle Gold Mining Company, LIMITED LIABILITY.

INCORPORATED UNDER THE LAWS OF BRITISH COLUMBIA.

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\$1,200,000.

Shares, Par Value \$1.00,
Fully Paid and Non-Assessable.

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Vice-President—WM. BENNISON, Rossland, B. C.
Managing Director—J. W. COVER, Rossland, B. C.

Secretary Treasurer—T. G. ELGIE, Rossland, B. C.

Consulting Engineer—C. W. CALLAHAN, London, Eng., and Rossland, B. C.

Properties (80 acres): **RED EAGLE** and **RED POLE**, in the famous South Belt—Trail Creek Mining District, B. C.,—adjoining Mayflower and Curlew.

Assays of ore from surface of Red Eagle give results ranging from \$20.00 to \$928.80. The Red Eagle has been surveyed, and a crown grant applied for. After January 2nd the price of Red Eagle Treasury Stock will be 10 cents. The work of development has commenced, and will be prosecuted vigorously.

Intending investors are invited to examine the Red Eagle properties.

For prospectus and full information, address:

Remittances may be made through the Manager of the Bank of
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WM. BENNISON & CO., Mining Brokers,
Shaw Block, Rossland, B. C.

LUCK IN MINING.

"One man cannot see as far into the ground as another," said John Pritchard of Aspen yesterday, and there isn't a little bit of truth in the saying that he can when applied to mining operations. Thousands of instances might be brought forward to prove my position and I learned the lesson very early in my mining career. The Tom Boy story is an illustration of this. Everybody thought that J. Ernest Waters was wild to spend so much money on it, and yet it is today being negotiated for \$2,500,000, after paying more than \$500,000 in dividends in less than two years.

"I was down in the San Juan country in 1881, and had a claim over on Sultan mountain, which is called the Jessie. It was a promising crevice, and I worked at it faithfully until I had expended nearly \$500, mainly for grub and powder, living alone in my cabin and frequently working fifteen hours a day. Then I sent home and father sent me \$300 more, which I used up. By that time I had been at work nearly two years, and had driven my tunnel in about 200 feet, every inch of it with my own hands. Then I became discouraged, as I knew father had a mortgage on the old place, and couldn't afford to help me any more. I got credit for \$100 and kept at work, driving the tunnel fifty feet further, and then I felt that I was at the end of my rope.

"One day as I was gathering up my tools to quit, a nicely dressed man sauntered up to the tunnel and began to look around. He asked to see the tunnel, which was mostly in solid rock without timbering, and after he had closely examined both walls, asked me if I wanted to sell. I feigned indifference, and after calculating 250 feet of tunnel at \$10 a foot, answered that I might sell if I got my price. 'Well, what's your price?' he asked. 'Twenty-five hundred dollars,' I replied, with my heart in my mouth. 'Come down town and get your money,' was his answer, and that night I slept with \$2,500 under my pillow, in clean sheets for the first time in two years. Next day the purchaser asked me to help him put in a couple of shots, and of course I agreed. When we got to the tunnel he examined the wall, and selected a point about 100 feet from the mouth. 'Let's drill a couple of holes here,' he said. The minute he laid hold of the sledge I saw he was a miner, and in a short time we had two beautiful holes in the rock. When the shots went off I could hardly restrain myself from rushing into the tunnel at once, and when the smoke cleared away I was first on the spot. And there lay a body of ore exposed which was afterward found to be three feet thick, and ran over \$100 to the ton. I had left the vein, and the superior knowledge of my purchaser had enabled him to detect the point of departure.

"I stayed around there a week, by which time he had taken out enough ore to pay for the cost of the mine, and then I went home and paid off the mortgage on the farm, and I've got the farm yet, though I'm still mining. More than \$30,000 was taken out of that hole, and then the vein was lost and has never been found since."—Denver Republican.

THE ANNUAL RUSH TO ALASKA.

Fascinating visions of the land of the midnight sun are already absorbing the attention of the restless prospector spending the winter in the coast cities. Notwithstanding the fact many disappointed argonauts returned last fall from long and weary pilgrimages in the promised Eldorados of Alaska, the rays of the northern lights have not lost their charms to all. Many sanguine men of brawn can see the golden streaks under the hyperborean sky, and are planning to go north with the birds of passage next month or shortly afterward.

Those who leave so early generally contemplate remaining in Juneau until the road over the Chilcoot pass, from Dyea inlet to the head-water of the Yukon river, is open. A common plan is to buy outfits on the Sound and take a station at Juneau ready to push forward at the earliest possible opening of the trail.

"However, the rush of miners to Alaska last year that was often characterized as an exodus to the gold fields, is not expected to happen again this year. A steady class of miners who fully realize the rigors of the northern climate and the hardships to be endured are expected to be the principal travelers to the Yukon and Cook inlet districts. The heaviest inward travel to the Yukon will probably begin late in February, and continue through March.

Miners bound for Cook inlet will leave the Sound the latter part of March or early in April. Miners who located there two seasons ago have claims that paid good wages last summer, and they expect to realize well from them this year. Some think their present supply of pay-dirt will be exhausted in two years, but they feel that other good placer diggings are undiscovered on comparatively unexpected tributaries to the inlet.

The commercial companies which did business along the Inlet last season are making preparations to send supplies up very early this season, says the Port Townsend Call. The United States Commercial company, which has a store there this winter, will start a vessel about the 20th of March. The Stella Erland, owned by the company, will be one of the crafts and a new one will be purchased. After the first trip one of the schooners will go sealing and the other continue voyaging between the Sound and the Inlet. This company took in over \$5,000 in gold dust over its counters last season. The company did so well that it is enthusiastic over the outlook for the next season. There are numbers here who will go in again and many new people will try it.

BOUNDARY CREEK DISTRICT.

The following description of the Boundary Creek district, written by J. C. Haas, E. M., appears in the last number of Mining:

"The Boundary Creek mining district, as its name implies, lies along the international boundary line on the British Columbia side of the line. It is about 35 miles west of the Trail Creek section, and is bounded roughly between the north fork of the Kettle river on

the east, Rock creek on the west, and extends north-erly some 15 miles from the boundary. The district is reached by a 50-mile stage ride from Marcus. The area embraced is over 400 square miles, all of which can safely be said to be mineralized throughout its extent.

"The character of ore varies from the simplest milling to the very complex smelting ores. Ores of every necessary character for smelting are found in this district, as are also coal and flux. Excellent water and timber are found in abundance, while in the valleys large crops of grain, vegetables and fruits are raised. Grazing lands, on which thousands of head of stock range, are found throughout the district.

"In describing the mineral resources of Boundary creek it is not found necessary to exaggerate in any form. The immense copper-gold ledges of Greenwood, Copper, Deadwood, Summit, Brown's and other camps; the rich silver-gold ores of Skylark, Long Lake, White's, Providence and Smith's camps, are all there in reality. They are large enough and rich enough. Nobody who is posted on the district can object to that. There are some who assert that the great ore bodies of copper and gold are to large on the surface to "go down." Development is rapidly disproving this statement. There are people who still say that the earth is not round; some men must kick, but actual facts being now demonstrated by work, count for a whole lot more than this idle talk."

If manufacturers of mining machinery, and electrical appliances in particular, would keep a close and accurate record of the cost of maintenance and efficiency, as well as of the first cost, of their machines in actual operation, they would be in much better condition to meet prospective customers. If one mine owner visits his neighbor who has a new piece of machinery and makes inquiry relative to the same, he is nearly always misled. The mine operator who has a good thing wishes to keep it to himself. Mine owners and operators who invariably refuse to give this information to their competitors, or if they do give information it will be misleading. Manufacturers could secure this information very easily, as a record is kept of every piece of machinery in all well-organized mines, and they would thus be in a position to give the information to an intending purchaser.

TREATMENT OF SULPHIDE ORES.

The Western Mining World is authority for the statement that at last a truly feasible process has been discovered by Superintendent J. L. Giroux and George Mitchell, metallurgists for the United Verde Copper company of Arizona, for the reduction, without the aid of carbonaceous fuel, of heavy sulphide ores. It would seem that these experiments have demonstrated that desulphurization can take place in a blast furnace to a degree previously unsuspected, thereby making it possible to treat successfully heavy low grade sulphide ores at a profit.

THE MINING REVIEW

A weekly newspaper devoted to the mining interests of Trail Creek District.

Published every Wednesday at the office of The Mining Review, Columbia Avenue, Rossland, B. C.

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VOL. I. DECEMBER 30, 1896. No. 16

EDITORIAL NOTES.

We reprint below part of an editorial from the Toronto Globe, a heavyweight journal that pays careful attention to mining in British Columbia. Says the Globe:

"Even the most conservative people recognize that we are about to see remarkable activity in the production of the precious metals in Canada. Up to the present time the two chief fields are in British Columbia and in Western Ontario, although from what is reported from other places the stir is not likely to be confined to these. The promise of a vast addition to the wealth of the Dominion is gratifying to us all, and it is undoubtedly particularly gratifying to the people of Ontario that their own province is likely to cut a prominent figure in the welcome revival. The desire to share in the benefits of this revival, both nationally and individually, is a feeling not at all difficult to understand. Its national manifestation is seen in the urgency that is claimed for the construction of the Crows Nest Pass Railway. Where the national profit will come in is clear enough, because the sum of successes ought to vastly preponderate over the sum of the losses. It is, nevertheless, also a matter of national concern that the losses should bear as small a proportion to the aggregate of gains as possible. He would be an optimistic man who could indulge the hope that these extensive mineral deposits could be opened up without loss of capital here and there. Such losses occur, of course, in all business enterprises, but in mining the proportion is certainly higher than in any other of the great extractive or commercial industries. The rewards in mining are seasonally enormous, and in view of the possibilities of such exceptional recompense the risk of loss is accepted by those who venture into mining speculations.

Just how many of the prospects being worked in Rossland will prove to be paying mines no man can tell. Here in twenty prove to be a Le Roi or a War Eagle all other gold camps in the world would pale before this latest wonder. The experience in other gold fields does not warrant such an assumption. All that can be said is that up to this good hour and moment no property that has been developed in that camp has as yet wholly disappointed the hopes of its operators. They have not gone far yet the critic will say, which is true in many instances, but it is also true that in more than one of the partially developed properties the showings are richer and more remarkable than anything displayed at a similar stage of development by the dividend-payers of the camp. With true fissure veins, high-grade ore shutes and immense bodies of low-grade ore which cheap smelting and transportation will bring into merchantable value, the future of Rossland camp seems assured, but that by no means guarantees that every claim in it contains the possibilities of a mine, or that every ledge will pay the man who follows it relentlessly with drill and giant powder to its furthest recesses in the bowels of the earth.

Let us go about the development of both the British Columbia and Ontario mineral lands in a safe and businesslike manner as is possible. It is highly desirable that the vast wealth of these regions should receive a wide distribution, and that many should be able to look back with satisfaction on their connection and share in that development. This will not be the case where investments are made on the far-bank plan. The exercise of common sense, inquiry and caution may not command safety, but they will score oftener than investments made on the blind hit-or-miss principal."

MARKET REPORT.

While there has been no material change in the condition of the local stock market during the last week, an improvement all round is noticeable, the holiday season apparently not checking the steady advance noticed in our last. Deer Park, War Eagle, Jumbo and Iron Mask are higher and in good demand. Silver Bell is most active, and Red Eagle sells well in anticipation of the advance in price. We look for continued improvement in good working properties.

| COMPANIES. | CAPITALIZATION. | PAR VALUE | MARKET PRICE. |
|-------------------------|-----------------|-----------|---------------|
| Alberta | \$1,000,000 | \$ 1 00 | t 15 |
| Alamo | 500,000 | \$ 1 00 | * |
| Butte Gold Copper | 1,000,000 | 1 00 | t 07½ |
| Big Three | 3,500,000 | 1 00 | t 10 |
| Caledonia Con. | 500,000 | | t 10 |
| California | 2,500,000 | 1 00 | t 15 |
| Cambridge | 1,000,000 | 1 00 | t 08 |
| C & C | 500,000 | 1 00 | * |
| Centre Star | 500,000 | 1 00 | * |
| Celtic Queen | 750,000 | 1 00 | t 05 |
| Commander | 500,000 | 1 00 | t 30 |
| Crown Point | 1,000,000 | 1 00 | t 43 |
| Colonia | 1,000,000 | 1 00 | t 15 |
| Critlow | 800,000 | 1 00 | t 46 |
| Cumberland | 500,000 | 10 00 | * |
| Deer Park | 1,000,000 | 1 00 | t 24 |
| Elise | 1,000,000 | 1 00 | t 15 |
| Enterprise | 1,000,000 | 1 00 | *20 |
| Eureka | 500,000 | 1 00 | t 05 |
| Evening Star | 1,000,000 | 1 00 | t 15 |
| Georgia | 1,000,000 | 1 00 | t 20 |
| Good Hope | 500,000 | 1 00 | t 8 |
| Great Western | 1,000,000 | 1 00 | t 16 |
| Grey Eagle | 750,000 | 1 00 | * |
| High Ore | 500,000 | 1 00 | t 07½ |
| Homestake | 1,000,000 | 1 00 | t 17 |
| Hull Mines | £300,000 | £1 | |
| Hilltop | 1,000,000 | 1 00 | t 10 |
| Iaho | 500,000 | 1 00 | * |
| Iron Colt | 1,000,000 | 1 00 | t 20 |
| Iron Horse | 1,000,000 | 1 00 | * |
| Iron Mask | 500,000 | 1 00 | t 75 |
| Ivanhoe | 1,000,000 | 1 00 | t 10 |
| Josie | 700,000 | 1 00 | t 60 |
| Jumbo | 500,000 | 1 00 | t 59 |
| Juilet | 1,000,000 | 1 00 | t 12 |
| Kohinoor | 1,000,000 | 1 00 | t 10 |
| Kootenay-Columbia | 40,000 | 100 00 | * |
| Kootenay London | 1,000,000 | 1 00 | t 12½ |
| Le Roi | 2,500,000 | 5 00 | t 7 50* |
| Lily May | 1,000,000 | 1 00 | t 17½ |
| Mayflower | 1,000,000 | 1 00 | t 15 |
| Monte Cristo | 1,000,000 | 1 00 | t 10 |
| Mugwump | 1,000,000 | 1 00 | t 20 |
| Monta | 750,000 | 1 00 | t 20 |
| Minnesota | 1,000,000 | 1 00 | * |
| Northern Belle | 1,000,000 | 1 00 | t 15 |
| Old Five Con. | 1,200,000 | 1 00 | t 57 |
| Old Ironsides | 1,000,000 | 1 00 | t 15 |
| O. K. | 1,000,000 | 1 00 | t 30 |
| Orphan Boy | 700,000 | 1 00 | t 15 |
| Paladin | 500,000 | 1 00 | t 12½ |
| Peorman | 500,000 | 1 00 | t 9 |
| Red Mountain View | 1,000,000 | 1 00 | t 20 |
| Rossland, Red Mt. | 1,000,000 | 1 00 | t 20 |
| Rambler Con. | 1,000,000 | 1 00 | * |
| St. Elmo | 1,000,000 | 1 00 | t 13 |
| Silver Bell | 1,000,000 | 1 00 | t 07 |
| Silverine | 500,000 | 1 00 | t 10 |
| Southern Cross & W Con. | 500,000 | 1 00 | t 20 |
| St. Paul | 1,000,000 | 1 00 | t 12½ |
| Slocan Sta. | 500,000 | 50 | t 15 |
| Sunshine | 500,000 | 10 00 | * |
| Trail Mining Co | 250,000 | 100 00 | * |
| Union | 600,000 | 1 00 | * |
| Victory-Triumph | 1,000,000 | 1 00 | t 10 |
| Virginia | 500,000 | 1 00 | t 22½ |
| War Eagle | 500,000 | 1 00 | t 60 |
| West Le Roi | 500,000 | 1 00 | t 26 |
| White Bear | 500,000 | 1 00 | * |
| Young British America | 1,000,000 | 1 00 | t * |
| Wonderful | 1,000,000 | 1 00 | t 15 |
| Zilor | 1,000,000 | 1 00 | t 15 |

Dividend paying properties appear in italics. An asterisk denotes that there is no stock on the market. It denotes treasury stock.

F. M. GILLESPIE & CO.

MINING OPERATORS
AND STOCK BROKERS.

FIRST CLASS PROPERTIES AND STANDARD STOCKS

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Columbia Avenue.

ROSSLAND, B. C.

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C. F. CLOUGH, President. L. J. MCATEER, Vice-Pres. & Treas. J. F. PIGGOTT, Secretary

C. F. CLOUGH & CO.

(INCORPORATED.)

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MINING AGENT,

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Full list of Mining Stocks. Quotations given by letter or wire.

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WE ARE PREPARED TO PURCHASE any of the Standard Stocks at Market Quotations, paying cash for same. Wire offerings.

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Contractors for the sale of Treasury Stocks of Mining Corporations in the Trail Creek District.

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Direct Telegraphic Connection with Rossland.

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Associates.

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Mining Stocks and Properties of Merit.

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ROSSLAND, B. C.

THE ANGLO-CANADIAN MINING EXCHANGE, LTD.

(Incorporated by Dominion Charter.)

Head office: McKinnon building, Toronto, Canada.
Rossland office: Columbia Avenue, near Grand Union Hotel.

Represented by GEO. GURD, Secretary.

THE CANADIAN GOLD FIELDS SYNDICATE, LIMITED.

LEADING FEATURES :

Incorporated December 9th, 1896, under the great Imperial Companies Act.

Entire Capital Stock, "Treasury."

There being no Promoters' Shares.

Absolutely no personal liability following the Shareholders.

Shares sold at TEN CENTS are actually Fully-Paid and Non-Assessable.

Empowered to do a General Mining Business anywhere for profit.

Ample Capital Stock to enable successful accomplishment of any undertaking.

Every Share participates in all of the Syndicate's operations.

Will not risk all of its working capital upon success or failure of any single mining undertaking.

Begins business with control and vigorous development of the justly celebrated Sunset Group of rich Gold-Copper properties at Rossland.

Owens the "Jennie," a Slocan property, the clean ore from which assays \$80 to \$650 per ton.

Is officered by men, more than one of whom, in any emergency, can step into the breach and do expert work, whether the "sharpening of steel," the use of any mine workman's tools, or the conduct of financial operations of magnitude be necessary.

Orders and Remittances for *Fully-Paid, absolutely Non-Assessable Shares* of the Canadian Gold Fields Syndicate, Limited, at 10 cents, may be sent direct, or through any bank, to

THE WALTERS COMPANY, Rossland, B. C

No Order Filled for less than FIVE HUNDRED SHARES.

AGENTS WANTED EVERYWHERE.

DOES GOLD GROW?

They were all weatherbeaten trail blazers who had led the march of civilization into the mountains, and as they toasted their shins by the big stove in Lon Pickett's hotel bar at Melrose, their conversation wandered from the recent election and the departed glories of other days to the latest discoveries in science. John Helchan has just finished reading from a mining journal about Professor Emmens' discovery of the method of transmitting silver into gold.

"I think Emmens is a humbug," said old Judge Longly, a California argonaut. "The old alchemists, you know, tried that, but they might as well have tried to make an apple seed. Nature holds the germ, and all the scientists who imitate her can do is to quicken its growth."

"I've heard tell of gold growing," remarked Will Robbins.

"So have I," said the Judge, "but you have never seen it grow, have you? I don't believe all the yarns these experts spin, anyhow."

"Boys," spoke up John Treanor, "perhaps I have got some queer old notions stowed away under this diggin' hat of mine, but for 30 years, man and boy, I've been a prospector, and I've been doin' some thinking. And I tell you now that I believe that gold does grow. Twenty years ago I struck the Locust and sunk a shaft. It was silver ore, and after diggin' for a while I gave it up in disgust. Then I wandered over to the other side of the range and located the Banner, a copper mine now in the possession of the Anaconda company. I moseyed around for awhile, and eight years ago I went back to my old love, the Locust. Hang me if I could believe my eyes, boys, when I found the prettiest ledge of gold ore right where the silver ledge was. It was as pretty as a picture, and I kept right on diggin' and have been diggin' in that hole ever since. It seems to me that, in the places where the water struck it, it grew richer. I run in three tunnels at the bottom, but found the gold was not yet ripe, so I just closed up the tunnel and let them rest for a few years."

Blame me if I don't think Hank Stebbins does

the same thing, said Jack Flice. "Hank lives up in Soap Gulch, and has a claim he calls the Belcher. He discovered it 30 years ago, when Walsh Stapleton was making bullets in his lead mine to kill Indians with. It is in a funny formation for that part of the country. It is in a reef of sand lying between the lime formation that borders on the Melrose valley and stratified gneiss formation that runs from that point to the base of Red Mountain. Thirty years ago Hank discovered that there were globules of silver in the sand and located it, but there wasn't enough mineral to pay and he abandoned it. Ten years ago he went back to the old mine and began turning over the sand. He began to find chunks of gold instead of silver. He has a good thing of it now. He mines it like the Mexicans used to mine it years ago. He cuts stairs in the sand and takes the rock up in a candle box and sorts it over. Now all he has got to do when he wants to make a stake is to go down to the sand pile and wiggle a crowbar around for a few minutes, when up comes a shining piece of gold. Several capitalists have attempted to get hold of the mine, and one of Henze's agents made him a good offer for it, but Hank won't sell, for he's sure he has a fortune if the gold keeps on growing."

THE NEW OIL FIELD.

In a report on the Bothwell oil fields, Archibald Blue, Ontario mine director, says:

The work of exploring the oil fields of Bothwell," he said, "has been carried on much more intelligently than it was 30 years ago. Pumping operations were then carried on only on the six days of the week, while on Sunday the work was stopped. The result was that nearly the whole of Monday had to be spent in pumping out the salt water which oozed in during the idle day.

The first oil he reports to be found at the top of the great limestone, and wells from this horizon yield upwards of 100 barrels a day. Another strike is made at a depth of from 50 to 100 feet in the limestone, and this also yields largely. The third strike is located in the sandstone beneath the limestone,

and this supply seems to be a permanent one. The various wells average from six to thirty barrels a day. Much difficulty is experienced in sinking the wells through the drifts, which varies in thickness from 150 to 200 feet, and is composed of alternating beds of sand, gravel, clay and quicksand. The oil in the sandstone is found at depths varying from 300 to 400 feet, according to the surface color.

In the fields of Essex and Pelee Island, a number of wells have been drilled during the past year, but not enough of them to permit of an estimate of the capacity of the oil-bearing rocks. Large quantities of gas are supplied by pipe line to the towns of Windsor, Walkerville, Detroit and Sandwich, however, by the wells in the townships of Gosfield and Mersea.

The village of Leamington, the inspector states, has drilled two wells near the lake shore, and more than supplied the needs of the district. In fact the daily output of 11,000,000 cubic feet is many times over the amount required for domestic purposes. It costs but \$1.50 per month for gas for cooking, while the rate for furnaces, boilers, etc., is fixed at \$5 per annum. The village rate of taxation has been reduced from 25 to 12½ mills on the dollar by the venture.

FISHERIES MINISTER ON MINES.

What will responsible mining men say of the Ottawa despatch which runs as follows:

OTTAWA, Ont., Dec. 29.—Mr. Davies, minister of marine and fisheries, is most outspoken against the present methods of floating mining schemes in British Columbia. He gives his warning to everyone in the east to be wary. Those on the ground have power to do eastern investors out of their money every time, selling out properties if any rich finds are struck and then buying in again. The sooner, he says, the people come to realize that there is no money for casual Ontario investors the better. The average capitalization has now reached \$1,000,000 and is on the increase. The Dominion government is powerless to afford further safeguards. The province might do something for itself if it was inclined, but there is little likelihood of such action being taken.

Big Three Gold Mining Company.

Incorporated under the Laws of the State of Washington and Registered under the Laws of British Columbia.

THE COMPANY OWNS **THREE BIG MINES.** "MASCOT," "SNOWSHOE,"
"SOUTHERN BELLE."

In Trail Creek District, Rossland, B. C.

CAPITAL - 3,500,000 SHARES. PAR VALUE, \$1.00 EACH.
SHARES FULLY PAID AND NON-ASSESSABLE.

Treasury Stock = 1,000,000 Shares.

TO BE SOLD FOR DEVELOPMENT PURPOSES.

OFFICERS:

President: R. H. POPE, M. P., Cookshire, P. Q., Vice-President: O. G. LABEREE, Spokane, Wash. Secretary and Treasurer: R. DALBY MORKILL, JR., Rossland, B. C.

DIRECTORS:

J. P. GRAVES, Spokane, Wash.; CHAS. H. WOLF, Spokane, Wash.; O. G. LABEREE, Spokane, Wash.; R. H. POPE, M. P., Cookshire, P. Q., and R. DALBY MORKILL, JR., Rossland, B. C.

DESCRIPTION.

The "Mascot" is situated on Columbia Mountain, and adjoins the famous "Kootenay" mine. Work done: 100 feet of tunnel, the whole face of tunnel in ore; 30 feet shaft, five feet of ore in bottom of same. Two strong veins on the claim, with good grade ore like the "Kootenay" mine. The "Mascot" is the most promising mine for the work done in Trail district. Buildings, roads and trails all completed.

The "Southern Belle" is located on Red Mountain, and adjoins the "Cliff" and "View" mines. Has a shaft 50 feet deep, and about 2½ feet of good ore. Assays taken were: \$35.00 to the ton, and as high as 20 per cent. in copper, one of the best copper ores in the camp. Has numerous open cuts and two short tunnels.

The "Snowshoe" adjoins the "Southern Belle" and the "Northern Belle." It has a tunnel 80 feet long, shaft 20 feet deep; good surface showing and ore values increasing with depth.

The "Big Three" has a bright future, and the stock is a good investment. All three properties are developing very fast into mines.

The present treasury stock is offered to carry on further and rapid development work. Development under the able supervision of W. Y. Williams, a gentleman of sound ideas and wide experience in mining.

Ten thousand shares of Treasury Stock offered at 10 cents a share. Shares will advance. In ordering shares, send draft, money order, or express order, to

A. L. White & Co., 259 St. James St., Montreal, P. Q.

Or to REDDIN & JACKSON, Rossland, B. C., Agent for Treasury Stock.

COPPER.

The consumption of copper in the world is becoming so heavy, says a Utah Exchange, that there is now imminent danger of the balance being lost, and the demand exceeding the supply. Copper prospects in the West, or anywhere else, are attaining a value that was never thought of, and the indications are that the demand for copper by manufacturers, will bring about a strong demand for copper properties on the part of investors. The development of copper prospects has not been pushed in Utah in anything like the same proportion that the metal gives evidence of its existence. Owners of such prospects should awake to the fact that a developed copper property will find an easy market without being hawked around the country, and should take steps to transform their prospects into mines. Of the copper market, one of the trade journals has the following to say:

While copper production has been pushed to its highest point in history, yet the world's increased use of the metal exceeds production and the stock on hand steadily diminishes. The sales of copper in November were not far from 35,000,000 pounds. The Calumet and Hecla sold about 15,000,000 pounds to manufacturers. There is a scarcity of casting copper. Much of the raw material heretofore available for smelters is now converted into electrolytic for the sake of saving the silver contents, and this has materially decreased the output of casting copper. It is reported that some purchasers of foreign casting copper have been made to fill the deficiency in the home supply. The increase in the foreign consumption of copper has been rapid.

It is not in gold alone that the value of Trail Creek mines lies. Some of the latest properties to attract attention carry a percentage of copper high enough to make the biggest kind bonanzas if they carried no gold at all.

A bill has been drafted by the minister of mines of Victoria, Australia, providing for the expenditure of \$700,000 by the government to assist in the development of mining. According to the provisions of the

bill, \$375,000 may be set aside for assisting companies which are doing pioneering work, but only \$125,000 may be spent annually. The money is to be expended in sinking or driving, or in obtaining machinery and appliances for carrying on such pioneering mining. For each pound of assistance received the companies must expend a pound of their own money. The repayment of this is to be made a charge on the first profits. Part of the rest of the proposed appropriation is to be used for an ore-testing plant. The prospecting vote, as the government appropriation has been called, has in former years proved to be money well spent.

The directors of the Consolidated Gold Fields of South Africa, Limited, in their annual report make the following reference to the condition of mining on the Rand: "The mining industry in the Witwatersrand is rapidly attaining that importance and value which the directors have long foreseen. The political disturbances at the commencement of the year 1896 caused a not inconsiderable interruption to its development, but the yield of gold reported since the resumption of full work reached the record total of 212,429 ounces for the month of August, 1896. There is no doubt that this total will be very considerably surpassed in the near future, and that the Witwatersrand, in spite of fresh discoveries of gold in Australia and elsewhere, will remain at the head of the gold-producing districts of the world."

Under the laws of Russia all gold and silver mined must be registered and taken to the Imperial mint, which have agencies established for convenience in collecting. The mines are the property of the crown, and a certain percentage goes to the Imperial treasury. The result of this is that more or less is concealed; yet the production last year was placed at \$34,000,000. In most of the rich districts the methods employed are very crude. To remedy this a number of experts have been called upon from California and other places to go there of late.

CERTIFICATE OF IMPROVEMENTS.

CAMBRIDGE MINERAL CLAIM.

Situate in the Trail Creek Mining division of West Kootenay district. Where located: About 4 miles south east of the town of Rossland, on Violin Creek.

TAKE notice that I. N. F. Townsend, as agent for H. S. Wallace No. 73,493; John Elliott, No. 75,011, and Ernest Miller, No. 72,357, intend, sixty days from the date hereof, to apply to the Mining Recorder for a certificate of improvements, for the purpose of obtaining a Crown grant of the above claim.

And further take notice, that action under section 37 must be commenced before the issuance of such certificate of improvements.

Dated this 10th day of October, 1896.

10-14

N. F. TOWNSEND.

CERTIFICATE OF IMPROVEMENTS.

VICTORY MINERAL CLAIM.

Where located: On Sophie Mountain, in the Trail Creek Mining Division of West Kootenay, District of British Columbia.

TAKE notice that I. A. R. Macdonald, acting as Secretary of Victory-Triumph Gold Mining Company, Limited Liability, free miner's certificate number 77279, intend, sixty days from the date hereof, to apply to the Mining Recorder for a certificate of improvements for the purpose of obtaining a Crown grant of the above claim.

And further take notice, that action under section thirty-seven must be commenced before the issuance of such certificate of improvements.

Dated this 1st day of December, 1896.

12-2-96

A. R. MACDONALD.

CERTIFICATE OF IMPROVEMENTS.

TRIUMPH MINERAL CLAIM.

Where located: On Sophie Mountain, in the Trail Creek Mining Division of West Kootenay District of British Columbia.

TAKE notice that I. A. R. Macdonald, acting as Secretary of Victory-Triumph Gold Mining Company, Limited Liability, free miner's certificate number 77279, intend, sixty days from the date hereof, to apply to the Mining Recorder for a certificate of improvements for the purpose of obtaining a Crown grant of the above claim.

And further take notice that action under section thirty-seven must be commenced before the issuance of such certificate of improvements.

Dated this first day of December, 1896.

12-2-96

A. R. MACDONALD.

CERTIFICATE OF IMPROVEMENTS.

EMERALD MINERAL CLAIM.

Situate in the Trail Creek Mining division of West Kootenay district. Where located: East of and adjoining the town of Rossland.

TAKE notice that I. N. F. Townsend, acting as agent for Hirschel Cohen, free miner's certificate number 75864, intend, sixty days from the date hereof, to apply to the Mining Recorder for a certificate of improvements, for the purpose of obtaining a Crown grant of the above claim.

And further take notice that action, under section thirty-seven, must be commenced before the issuance of such certificate of improvements.

Dated this 23rd day of November, 1896

69

N. F. TOWNSEND.

"CAMBRIDGE"
TREASURY STOCK,
AT 8 CENTS.

"CAMBRIDGE"
TREASURY STOCK.
AT 8 CENTS.

...BUY CAMBRIDGE

Treasury Stock,

AT 8 CENTS PER SHARE.

Development work done by promoters has greatly improved the appearance of the property.

Title perfect.

Crown Grant in course of issue.

Work to be commenced shortly and kept up till the Mine is ready to ship.

Steady appreciation in Cambridge Stock is a certainty.

No better speculative investment at the price in Trail Creek.

Orders for Stock accompanied with remittances to

MELFORT BOULTON,

130 JORDAN STREET, TORONTO.

OR TO THE OFFICE OF THE

CAMBRIDGE GOLD MINING CO.,

Room 7 Hart Block, ROSSLAND, B. C.

"CAMBRIDGE"
TREASURY STOCK,
AT 8 CENTS.

"CAMBRIDGE"
TREASURY STOCK,
AT 8 CENTS.

A SPLENDID INVESTMENT.

VICTORY-TRIUMPH

Treasury Stock at 10 Cents.

PROVISIONAL DIRECTORATE.

President—DAVID B. BOGUE.
 Vice-President—OLAFS JELDNESS.
 Secretary-Treasurer—A. R. MACDONALD.
 Trustee—JEFFERSON LEWIS.

Bankers: BANK OF BRITISH NORTH AMERICA.
 Office—ROSSLAND, B. C.
 Solicitor: W. J. GREEN.
 Mines—SOPHIE MOUNTAIN.

Capitalization:

\$1,000,000 in One Million Shares, \$1 Each, fully paid and Non-Assessable.

Treasury Stock, 250,000 Shares.

A Block of 50,000 Shares of the Treasury Stock is now on the Market at 10 cents, subject to advance without Notice.

PROPERTIES Victory, Triumph and Triumph Fraction, eighty-five acres in all, located on Sophie Mountain, Big Sheep Creek, Trail Creek Mining District.

DEVELOPMENT: The promoters of the Company are vigorously prosecuting the work of development, and the showing on property is excellent. On the famous Victory ledge, which runs nearly 2,500 feet through the claims, there are several open cuts and a working tunnel now in over 40 feet. In this there is a large body of solid ore, carrying gold, silver and copper, average assays running near the pay limit, while the ore improves from day to day, as depth is gained. On the Triumph there is a copper ledge, crossing the Victory vein at nearly right angles. This has the finest surface showing of copper ore, carrying gold, ever seen in the camp. On December 5th, when starting a working shaft on this ledge, the miners uncovered ore which assayed over 22 per cent. copper. Work on this shaft and the Victory tunnel will be continued without cessation, the promoters having placed sufficient funds in the treasury to guarantee the work for several months.

At a Depth of 8 feet Triumph Ore assayed 30.4 per cent. Copper and \$3.00 in Gold.

Total Value Approximately \$70.00 per ton.

VICTORY-TRIUMPH will soon advance in price.

F. M. GILLESPIE & CO., *MINING BROKERS.*

Agents for the Sale of Treasury Stock.

P.O. DRAWER T.

P. O. BLOCK, ROSSLAND, B. C.