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THE MINING REVIEW.

Vol. I.

ROSSLAND, B. C., JANUARY 20, 1897.

No. 19.

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MINES EXAMINED AND REPORTED ON, MANAGEMENT OF MINES UNDERTAKEN

Office over Weeks & Wright, 3 doors east of Bank of Montreal, ROSSLAND, B. C.

E. S. TOPPING,

TRAIL, B. C.

HAS FOR SALE TOWN LOTS IN TRAIL AND DEEP PARK

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

WILL EXAMINE AND REPORT ON MINES

MINING NOTES.

A general meeting of the War Eagle Company is being held today in Spokane. The object of the meeting is to confirm the deal by which the mine passes into the hands of the Gooderham syndicate. Some of the shareholders, it is said, will register a kick on the ground that the commissions on the transaction, which go to Volney Williamson, C. S. McCuaig and George Stimson, are excessive. It is said the commissions amount to \$150,000. If this is the case the shareholders will receive a lower figure for their shares than they have brought on the market for some time.

Moynahan & Campbell have bonded the Copper Chief and Copper Wonder for \$25,000. These claims are on Sophic mountain, and are said to catch the Victory and Triumph ledges.

The terms offered by the city of Vancouver to an American syndicate, which proposes to build a smelter at that point, have been accepted and the project will be carried out.

There is something of a rush to Rossland already, and it is to be expected that many thousands of visitors will arrive within the next few weeks. The new depot of the Red Mountain railway, which has just been completed, is a busy scene at train time.

Mr. Robert Dixon, who is interested in a large number of properties in this camp, has just returned from Toronto. The Queen City, he says, is showing more interest in our mines than it has for some little time, but he thinks there will be no great increase in investments until more properties are paying dividends.

The Goodenough mine in the Slocan will declare a \$50,000 dividend in about a month.

The treasurer of the Rossland Miners' Union has decamped with the funds, which amounted to \$670.

A representative of THE REVIEW yesterday visited the Retaliation, which is being developed by the Montezuma Company. The crosscut tunnel, which is to tap the ledge at 65 feet, is now in 50 feet, and six men are working on it. It is probable that the lead will be reached within two weeks. The vein will be tapped at a depth of 80 feet. Judging from the showing in the shaft, something good will be opened up when the ledge is struck.

The Orphan Boy, in the Big Bend district, is still attracting attention. It is said the company has 1200 tons of ore on the dump. The latest assays returned give \$28 in gold.

Work on the Cariboo claim, adjoining the Jumbo, will be resumed on February 1st. It is controlled by the Monarch Gold Mining Company.

An important strike was made last week in the Colonna, and the breast of the main tunnel is in 40 inches of clean ore showing a large proportion of copper, an assay giving 9½ per cent., with \$24 in gold. The stock is in demand.

The Spokane Mining Exchange held its first meeting on Monday.

It is said an English company is anxious to buy the War Eagle and will pay \$850,000 net. This is considerably more than the company will receive should the Gooderham offer be accepted.

The option on the Gold Bar, recently bonded for an English syndicate by J. S. Paterson, will be taken up, a company is being formed to work the property. A number of Toronto men are interested.

On the Zilor there is now a splendid showing. The drift which is being run from the bottom of the working shaft is now in four feet, all in very nice looking ore, and the rest of the six-foot vein is in mixed ore.

The main tunnel of the Centre Star is now close to the Le Roi line, being in 1400 feet.

The Cracker Jack shaft is now down 25 feet, and the showing is so satisfactory that the owners have let a contract for an additional 50 feet of work.

Monte Cristo ore has improved wonderfully during the last week or so, and this mine has now a first-class showing.

Sir Charles Tupper figures as chairman of the New Gold Fields of British Columbia, Limited, of London, England. This company has a capital of £250,000.

The Mary May has been crown granted.

The Sultana, on Lookout mountain, has been sold to a Manitoba syndicate through the agency of General Warren.

The Cliff is now shipping ore from the surface showings at the west end of the claim.

The Good Hope Company has been reorganized. It will have a capitalization of 1,000,000 shares. The additional 500,000 shares will be placed in the treasury, making in all 600,000 shares available for development.

The ore recently found in the Snowshoe is becoming more solid, and the appearance of the drift has greatly improved.

The Gooderham people are trying to secure a smelter site half a mile below Trail on the Columbia river.

Brokers who sold Colonna stock during the rush caused by the recent strike were in some cases unable to deliver it, and will lose money on the transaction.

The Germania, a Green mountain claim, in which Robert Scott, of Rossland, is largely interested, is being rapidly developed. The shaft is now down 60 feet and the showing of ore is most encouraging.

The company which is being organized to develop the Silent Friend will shortly begin work on this promising prospect.

The Red Eagle shaft is down 30 feet. The vein is widening, with ten inches of solid ore on the foot wall and eight inches on the hanging wall. The crosscut tunnel, which is now in 40 feet, will tap the ledge in another ten feet.

The Big Three Company's properties are coming to the front, and, unless the signs fail, will soon be producers. The ore body encountered in the Southern Belle tunnel recently shows up remarkably well and has been followed for twenty feet along the hanging wall, no foot wall being in sight. The tunnel has a vertical depth of about 125 feet. Assays of the ore return good values in gold and silver, and very high percentages of copper.

The tunnel of the Victory is now in 90 feet and is still in ore. At a depth of 30 feet in the Triumph shaft the foot wall has been reached, and a crosscut is now being driven to the hanging wall, which will be reached before the end of the week. Assay returns continue high, and this property seems certain to prove a bonanza.

The Butte has now three and a-half feet of shipping ore at the 100-foot level. A drift has been driven from the bottom of the shaft.

The plant for the Silver Bell hoist, pumps and drills will be installed before the end of this week.

The drift on the Jumbo's big ore body is now in 30 feet, is nine feet wide, and is in ore all the way.

Vancouver wants a smelter, a refinery, and direct railway communication with Kootenay. The newspapers of the city are agitating for these.

The Lily May shaft is down 47 feet, with good ore in the bottom. Seven men are working.

The O. K.'s stamp mill is working showing of free gold in the low large as ever.

GOLD PRODUCTION—PRESENT AND FUTURE.

Figures for the production of gold in this country and for the world in 1896 show that a point has been reached in excess of any ever before attained, and while the increase over 1895 is not extraordinary, it is nevertheless a marked advance, though less than had been anticipated in many quarters, says the Engineering and Mining Journal. The force of the upward wave of gold production during the last few years has been so great as to produce a general anticipation that it would increase, and there will perhaps be some disappointment expressed over the result. This result is not extraordinary, however, and it may be of interest to trace the causes which have affected the production; considering them with especial reference to the probabilities of the future.

There are in the world four countries which are the leading gold producers, and that of the entire output of the yellow metal, usually from 80 to 85 per cent., comes from these four countries—the United States, Australasia, the Transvaal and Russia. An examination of the table given last week on page 7 will show that three of these four countries remained practically stationary in 1896, and that the United States alone showed a considerable advance. Of the minor producing countries Mexico is the only one which shows any considerable change, and it is to Mexico and the United States almost entirely that the gain in the world's production in 1896 is due. Canada shows a large proportionate gain, but the total amount of its output is still comparatively small.

A question which presents the greatest interest at the present time is, will the gold production of the world rise much higher; and if so, from what sources are additions to come?

We can but estimate the probabilities of future production perhaps by taking up the different countries in succession, and for that purpose we will begin with our own. Within the last three years the United States has shown remarkable capacities for growth, and this has been due only in a minor degree to the discovery of new fields. The only gold districts opened in recent years whose production has been at all remarkable are the Cripple Creek district in Colorado, and the Mercur in Utah; these gold-fields, by the way, are radically different in formation, Cripple Creek being a region of comparatively small veins of high grade ores, while the Mercur is an extensive and unusual form of deposit of low grade. Other additions to the United States production have come from old and well-known districts, where new locations have been made and mines opened, where old mines have had their workings extended and where, in many cases, especially in California, many old mines abandoned years ago have been reopened; improvements in metallurgical processes and economies in mining have enabled us to work ores from which no profit could be earned fifteen or twenty years ago. In fact in this country the advance in metallurgical work which has enabled us to treat refractory ores by smelting, leaching and other processes, and the continued improvements which have enabled our mining engineers to work low-grade deposits at a remarkably low cost, will continue to increase our gold product for years to come.

In Canada no great or rapid addition is to be expected to the present output of the Nova Scotia and Ontario mines. It is reasonably certain, however, that there will be an important increase for some years in the output of British Columbia, where work is going on with great activity on the large bodies of ore and the large placer deposits which have been discovered and are now being developed in that province. So far, the greater part of the ores discovered can best be treated by smelting, and most of them come to the United States for treatment. This will probably continue to be the case, although it is quite likely that some smelters will be established in British Columbia by American and British capital. At present by far the greater part of the mining is conducted by Americans, and this will probably continue to be the case.

The recent developments in Mexico have been remarkable in extent, and there is every probability that the gold supply from that country will continue to increase. For centuries Mexico has been looked upon as a silver mining country entirely, and until within a very short time the gold mines have been

(Continued on page 3.)

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LIMITED LIABILITY.

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CONVEYANCING GENERAL AGENTS, NOTARY PUBLIC.

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G. A. POUNDER, Pres. M. O. TIBBITS, Sec

...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.

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

TREASURY STOCK

is now on the market at Fifteen (15) Cents. The remarkably fine showing from development work warrants even a higher figure. Machinery now being installed.

(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.
J. A. SCAMAN, Secretary.

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 Ibez 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. Five men are employed.

First block of Treasury Stock on the Market at 6 cents.

Tunnel now in 50 feet.

THE IBEX MINING COMPANY, LIMITED.

Shaw Block - - - ROSSLAND, B. C.

ROBBINS & LONG, Chas. P. Robbins, Leo. H. Long.
ASSAYERS AND CHEMISTS.

PRICES FOR ASSAYING:

Copper only .. \$2 00	Lead, wet assay \$2 50	Antimony \$5
Gold and Copper 2 50	Silica	Arsenic
Gold only .. 1 50	Iron	Nickel
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Ten or more samples from same party in any one month, 30 per cent off list prices. Five or more brought in at one time same discount. Special attention given to samples by mail.
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ROSSLAND, B. C.

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We are prepared to print STOCK CERTIFICATES, PROSPECTUSES, PAY ROLLS, VOUCHERS, ORDER BLANKS, and other Mining forms. Our work speaks for itself.
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The only all rail route without change of cars between Nelson and Rossland and Spokane and Rossland.

DAILY EXCEPT SUNDAY.

Leave.	ROSSLAND	Arrive.
10:30 a.m.	NELSON	3:25 p.m.
9:00 a.m.	SPokane	5:20 p.m.
7:00 a.m.	SPokane	7:00 p.m.

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

COLUMBIA & WESTERN RAILWAY
Time Table in Effect July 1, 1896.

No. 2, PASSENGER, Daily except Sunday—	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.
	Arrives at Rossland	11:45 a. m.

Connection made at Trail with ALL STEAMERS, both up and down the Columbia river.
For freight rates and further particulars, write to F. P. GUTELIUS, Gen'l Sup't, Rossland, B. C.

Red Eagle Gold Mining Company, LIMITED LIABILITY

INCORPORATED UNDER THE LAWS OF BRITISH COLUMBIA.

Capitalization :
\$1,200,000.

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

Treasury:
500,000 Shares

Provisional Directorate:

President—W. H. FIFE, Fife Hotel, Tacoma, Wash.

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 Cree^m 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. The price of Red Eagle Treasury Stock is 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 British North America, Rossland, B. C.

WM. BENNISON & CO., Mining Brokers,
Shaw Block, Rossland, B. C.

(Continued from page 2.)

neglected. This is no longer the case, however, and we look to that country as one of the great producers in the future.

South America presents great possibilities. In Brazil, in Colombia, in Bolivia especially, great gold deposits are known to exist, and from time to time efforts are made to develop them, chiefly by foreign capital. It is possible that some of these may succeed; but the fact that the mineral riches of the continent have been known for many years, and that their development has proceeded on so slow a scale does not lead us to anticipate any very great output in the immediate future. While the possibilities exist, the probability is that the gold of South America may be counted as part of the reserve of the future rather than as a source of present supply for a good while to come.

In Europe, outside of Russia, the gold production is not large and there is little probability of any substantial increase. The greater part of that produced is obtained in connection with other metals, and the opportunities for new discovery and developments are very small.

Russia, including Siberia, is the fourth of the great gold producers, and more than any other country, perhaps, presents opportunities for an increase. The great placers of Eastern Siberia are hardly touched as yet, and the large quantity of gold which has been obtained from them under all the circumstances of remoteness, difficulties in transportation, climate and imperfect methods of working, show their capabilities. Quartz mining east of the Oural can hardly be said to exist as yet. There are enormous possibilities for development to follow the extension of railroads into that country, with the introduction of machinery and the increase in population and the working force available. Moreover, recent treaties will shortly give the Russians practical control of Manchuria, which has hitherto been a sealed country to prospectors and miners, although very superficial explorations have shown the existence of gold deposits fully as extensive and probably as rich as those on the Siberian side of the frontier. It is unfortunately the case, however, that Russia has put herself for the present almost entirely in the hands of French engineers who, though in many instances they are men of great ability and high education, are, as a rule, less fitted than engineers of any other nation to develop a new country. The French engineer is a man of rules and precedents, but not of expedients, and the result probably will be that the advance of Siberia will be comparatively slow and limited until our American engineers are called in and American methods adopted. That period will surely come, but not for some years yet.

In other Asiatic countries no great changes are to be expected. Substantial progress has been made in British India, but the gold fields are of limited extent, and the increase from year to year is not of great importance. There is talk of developing gold mines in Korea and in portions of China, but the difficulties in the way are very great. Gold is known to exist in many of the great islands of the Indian Ocean, but

the strength of the native races and the disadvantages of climate make any rapid growth there improbable.

In Africa we have the extraordinary development of the gold-fields of the Transvaal in the past few years, but at the present time this seems nearly to have reached its climax. The great gold-field of the Witwatersrand has been explored with tolerable thoroughness, and its possibilities can be briefly summed up. Of the gold-bearing belt of the district, nearly 70 miles in length, some nine miles are known to yield ores of sufficiently high grade to be worked at a profit, and on the remainder there are occasional spots, perhaps a mile in all, where working can also be carried on to advantage. On the remaining thirty miles gold is found, but almost everywhere in too small quantities to permit of profitable extraction under present circumstances. Even in the older sections of the Witwatersrand there are now many mines which are returning no profit to their owners, and as the workings increase in depth and extent it is very probable that a number of these will be compelled to give up the fight when they can no longer secure additional funds by the sale of stock. The next few years will surely witness a great deal of consolidation of mines, and the whole district may pass into the hands of comparatively few companies, probably with great advantage in economy of working. The deep levels from which so much has been hoped for are not showing as good results as had been expected. The cost of opening a mine to a depth of 2,000, 3,000 or 4,000 feet is enormous, to say nothing of the fact that two or three years must be absorbed in the work, during which the capital is idle and royalties continue. The probabilities of an adequate return on the expenditure are now regarded as comparatively so uncertain that very few additional mines are being opened.

The district, many are beginning to believe, has been over-supplied with machinery and appliances.

The production will continue, and will probably not fall below the present level, but to make it profitable, the costs must be reduced, and the present high prices for labor, supplies and other necessities must be cut down if mine owners are to realize any profit. Under these conditions we believe, contrary to our former expectations, that no considerable increase in production from the Transvaal is to be counted on.

Outside of the Transvaal the gold-fields of South Africa are making but little progress, and their value is still very uncertain. In the Zambesi region, and in Central Africa there may be some increase, but none of any great moment is to be expected for some years to come.

The Australian Colonies, like the Transvaal, seem to have nearly reached their maximum. There is a certainty of a large supply of gold from them, but the probability is that their will be no great or rapid increase. Exploration and the opening of new mines will continue to an extent sufficient to make up for the older mines abandoned or exhausted from time to time, but the changes from year to year will in all probability not be great. The enormous losses and waste of capital in Western Australia will probably work to discourage investment for a time. In New South Wales, Victoria and Queensland mining is now a settled business with regular results, and this will continue to be the case for many years. New Zealand and Tasmania also have established industries, and both of them may be expected to show a considerable relative increase, but of an amount small in proportion to the total.

Upon the whole, therefore, we may anticipate that the production of gold for some years will show only a moderate increase. The gain will come for the present chiefly from North America, with the possibility of a future great addition from Russia, when that country shall have learned how best to utilize its resources.

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

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All business communications should be addressed to A. R. MACDONALD & Co., Proprietors, The Mining Review, Rossland, B. C.

VOL. I. JANUARY 20, 1897. No. 19.

EDITORIAL NOTES.

THE number of advertisements of mining companies and brokers in the eastern papers, and particularly in the Toronto dailies, indicates that interest in Trail Creek mines, which has lagged somewhat during the midwinter season, is reviving, and the increased number of arrivals in the camp leaves no doubt that there will be an immense influx of people, not only from all parts of North America, but from all parts of the world, for during the past six months the fame of the Kootenays has spread to the ends of the earth, and wherever capital and enterprise are, the eyes of investors are turned to British Columbia, and are centered on Trail Creek. The development of the last few months cannot be told in figures. Dozens of prospects have become potential mines, and before the snow leaves the hills the list of shipping properties will be very largely increased. Investors who are looking for additions to the list of dividend-payers will not have long to wait.

A NEW CONCENTRATOR.

Mining men are much interested in a new gold and silver concentrator that has made its appearance in Chicago and is shortly expected to materialize around the tailing dumps of the west. The machine is built much on the plan of the well-known Delavel cream separator. A small dish, on which the auriferous slimes are fed by a pipe, is revolved at a rate of several thousand revolutions a minute and the lighter elements are thrown off, entirely freeing the heavier metallic portion. A test of the machine recently made in Nevada demonstrated that it actually saved the entire sample assay value of the heap of tailings treated. Another marvel is the speed of the process, the test noted having been made at the rate of 200 tons of tailings per day. Perhaps the only drawback to this process is the difficulty of securing adequate power. Though the machine that runs the 200 tons per day is a very small affair, easily to be transported, not less than fifty horse power is required for operation.

BRITISH COLUMBIA TAKING BAKK.

At a conservative estimate it is safe to say that British Columbia's exports during 1896 amounted in the aggregate to considerably more than 5,000 of money, a mark never before reached in the palmiest days of Fraser river or Cariboo. The bulk of this golden stream naturally found outlet direct from Kootenay, while a further large amount was during the year shipped to Montreal and other eastern cities. Spokesman-Review,

On the Sunset No. 2 a shaft has been sunk 60 feet, and now shows four to five feet of high grade ore. The Review learns that Mr. Walters, managing director of the Canadian Gold Fields Syndicate, which operates the Sunset, placed one block of 500,000 shares in Toronto last week.

MARKET REPORT.

The week has seen many large transactions in stocks. O. K. continues in demand, as the rich ore body recently struck proves to be of very considerable size. The recent strike in the Colonna caused a scramble for that stock, and it is difficult to obtain even at 24 cents. Deer Park, while quoted at a point lower, is really in as good a position as last week, and is firmly held. Silver Bell is still in demand. Owing to recent developments anent the Gooderham deal, War Eagle has declined to \$1.50, and if the sale is consummated even that figure will be too high. West Le Roi has declined to 15 cents. It should not go any lower. The new stocks mentioned in last week's report continue to do well.

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	1 00	t 10
California	2,500,000	1 00	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 25
Crown Point	1,000,000	1 00	38
Colonna	1,000,000	1 00	t 24
Cariboo	800,000	1 00	51
Cumberland	500,000	10 00	*
Deer Park	1,000,000	1 00	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	14
Georgia	1,000,000	1 00	18
Good Hope	500,000	1 00	8
Great Western	1,000,000	1 00	17
Grey Eagle	750,000	1 00	
High Ore	500,000	1 00	07½
Homestake	1,000,000	1 00	17½
Hall Mines	£300,000	£1	
Hilltop	1,000,000	1 00	t 10
Idaho	500,000	1 00	*
Iron Colt	1,000,000	1 00	t 20
Iron Horse	1,000,000	1 00	*20
Iron Mask	500,000	1 00	57
Ivanhoe	1,000,000	1 00	t 10
Josie	700,000	1 00	57
Jumbo	500,000	1 00	60
Juliet	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	12½
Le Roi	2,500,000	5 00	7 50*
Lily May	1,000,000	1 00	20
Mayflower	1,000,000	1 00	14½
Monte Cristo	1,000,000	1 00	16
Mugwump	1,000,000	1 00	t 20
Monita	750,000	1 00	t 25
Minnesota	1,000,000	1 00	*
Northern Belle	1,000,000	1 00	t 15
Noble Five Con.	1,200,000	1 00	62
Old Ironsides	1,000,000	1 00	11
O. K.	1,000,000	1 00	31
Orphan Boy	700,000	1 00	t 15
Phoenix	500,000	1 00	t 13
Poorman	500,000	1 00	9
Red Mountain View	1,000,000	1 00	12
Rossland, Red Mt.	1,000,000	1 00	25
Rambler Con.	1,000,000	1 00	*
St. Elmo	1,000,000	1 00	12
Silver Bell	1,000,000	1 00	t 15
Silverine	500,000	1 00	11
Southern Cross & W Con.	500,000	1 00	20
St. Paul	1,000,000	1 00	t 12½
Slocan Star	500,000	50 25	15
Sunshine	500,000	10 00	*
Trail Mining Co.	250,000	100 00	*
Union	500,000	1 00	t 10
Victory-Triumph	1,000,000	1 00	t 10
Virginia	500,000	1 00	19
War Eagle	500,000	1 00	t 50
West Le Roi	500,000	1 00	15
White Bear	500,000	1 00	*
Young British America	1,000,000	1 00	t *
Wonderful	1,000,000	1 00	
Zilora	1,000,000	1 00	15

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

F. MOBERLY, C. E.

MINING OPERATOR.

MINE EXAMINED AND REPORTED ON.
SMITH-HEWITT BLOCK, | ROSSLAND, B. C.
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Properties examined and reported on. Estimates on mining contracts. Supervision of assessment and development work.

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P. O. Box 210. Correspondence solicited.
ROSSLAND, B. C.

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For Sale:
Pure Gold Treasury, 5 cts.
Waneta & Trail Creek Treasury, 10 cts.
Correspondence solicited.
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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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OFFICES:
ROSSLAND, B. C., SPOKANE, WASH., TORONTO, ONT.
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Contractors for the sale of Treasury Stocks of Mining Corporations in the Trail Creek District.

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Mining Stocks and Properties of Merit.

RECORD BLOCK,

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, Ltd., Rossland, B. C.

No Order Filled for less than FIVE HUNDRED SHARES.

AGENTS WANTED EVERYWHERE.

A GOOD INVESTMENT.

The Golden Queen Mining Company, which is just coming into prominence, will develop the Edna, Golden Queen and Carrie Fraction, which are situated in the ultra-fashionable part of the Red Mountain. The property comprises 40 acres in all, adjoining the St. Elmo, Coxe, Mountain View, Giant, etc., and has three ledges, the 30-foot vein of the Giant running through the property, as does the Gertrude vein. The Coxe vein has also been traced through the property.

All the locations owned by the company have been crown granted, and their titles are perfect. The company has no indebtedness, either floating or bonded.

The officers of the company are gentlemen whose names alone are a guarantee that the affairs of the company will be judiciously and economically administered. There are no salaried officers save the superintendent.

The facilities for transportation of ore from the Golden Queen are the best the district affords. Its locations are only about one mile northwest of the camp, and the Columbia and Western Railroad passes within 2,000 feet of the property. The Red Mountain Railroad, an extension of the Spokane Falls and Northern Railway, now built from North-wort, Wash., to Rossland, affords an outlet for the ores of the district with three great transcontinental lines. The company is capitalized for 1,500,000 shares of the par value of \$1.00 each, fully paid and non-assessable, and 300,000 shares have been placed in the treasury to be sold for the further development of the mine and its equipment with machinery. Following are the directors: Fred. J. Kilner, Charles P. Oudin, W. J. Thayer, John Y. Cole, R. T. Daniels and Plummer & Thayer.

Considerable work has already been done on the Golden Queen ledges, and the appearance of the workings is unusually fine. As development will be vigorously prosecuted, the stock of this company should prove a good investment.

AMERICAN MINING LAWS.

In the Black Hills it is proposed to have laws passed compelling all locators to sink ten feet, or run drift that will be equivalent, and to have claims surveyed by United States deputy mineral surveyors.

As the law now stands, there is no limit to the number of claims a person can locate and hold for a period of two years at a cost of \$1 each. When the two years have expired, the ground is relocated at the same cost as before, and held for two years more, and the same process can be continued indefinitely. There are hundreds of fair prospecting claims in Custer and Pennington counties that have been held by the same individuals for ten or fifteen years, and in some cases for a longer time, and in many instances not \$5 worth of work has been done. Were these individuals compelled to do a reasonable amount of work, and have their claims surveyed before a record could be made, there would be from ten to fifteen thousand claims in Pennington and Custer counties opened up to men who would develop them. At the present time the Harney Peak Tin Company is holding something like 1,000 claims by the relocation and leadpencil process. Their plan of operation is as follows:

A few days before the first of January each year they hire a few men to go on their claims, throw out a few shovelfuls of dirt, and freshen up the old workings, and when the first of the year comes around they relocate.

If Tom Jones makes a good find, locates say a group of ten claims, he informs his friends, Smith, Brown, Johnson and Ole Olson. Each of them take from five to twenty claims, and by the time the public learn of Jones' find every piece of ground within three miles of it is taken up. Of course no prospector will go on another man's ground to prospect; the people who own the ground have too much ground to prospect it as it should be done, therefore three-fourths of the mining ground of the Black Hills is unprospected, and will remain so as long as the law remains as it is. If the laws were changed as proposed, there would be thousands of miners at work in the Black Hills where there are now hundreds.

EDISON MAKES STEEL.

When Thomas A. Edison began experimenting with electricity as a means of extracting iron oxide from rock a shiver ran through the spinal columns of iron mine owners. Then the matter was forgotten and the public heard nothing more of magnetic separators until a few days ago when the news came out that the method was not only perfected, but that by it 5,000 tons of bessemer steel were being turned out every day at Edison, New Jersey. Mr. Edison has been developing his newest discovery quietly, and now his smelting works and their appurtenant buildings cover many acres among the Jersey mountains. The rock is blasted out of open quarries, 5,000 tons at a time, and carried by enormous electric cranes to rollers which crush the largest boulders as if they were lump sugar.

After passing through a series of these rollers the fine rock falls past 700 magnets, which extract the ore, sending it along to the furnaces almost free of extraneous matter. From the furnaces the ore issues in nuggets of bessemer steel and ready for the mills.

It is proposed in London to sink a shaft in the Caradon Hills, two miles deep, for the purpose of aiding the development of the Cornish mines. The work may be undertaken by the British government. The deepest shaft in the world is said to be the Maria shaft at Prizibram, Bohemia. It is over 600 fathoms deep.

A strong company will be formed, it is understood, to develop several properties, including the Gladstone Claim, lying near the Commander. Robert Scott and other Rossland men are interested, as well as Eastern capitalists.

Machinery has been ordered for the Iron Colt. W. A. Campbell showed THE REVIEW some remarkably fine looking ore from this claim. He says the shaft will be sunk 500 feet on the vein.

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.

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MINING REVIEW

. . . TWO DOLLARS A YEAR . . .



The season of activity
in Mining is beginning.
Keep informed. You will
find all the news of Trail
Creek in reliable form in

THE MINING REVIEW,

A. R. MACDONALD & CO., Rossland, B. C.

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 Viclin Creek.

TAKE notice that I, N. F. Townsend, as agent for H. S. Wallace No. 73,405; 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. BOGLE.
 Vice-President—OLAUS JELDNESS.
 Secretary-Treasurer—A. R. MACDONALD.
 Trustee—JEFFERSON LEWIS.

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

Solicitor:
 W. J. GREEN.

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.

Assays During the last Week: VICTORY, \$35.42 12 7-10 per cent. Copper. TRIUMPH, \$59.00 -25 per cent. COPPER.

VICTORY-TRIUMPH will soon advance in price.

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

Agents for the Sale of Treasury Stock.