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THE MINING REVIEW.

Vol. I.

ROSSLAND, B. C., DECEMBER 23, 1896.

No. 15.

Cable address, "Mugacump," Rossland Use "Liebers," "Moreing and Neal's," and Bedford-McNeil's Codes,

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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 DEER PARK

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

WILL EXAMINE AND REPORT ON MINES

MINING NOTES.

A new concentrator is being tested at Trail. It is . said to work automatically and separate the various nunerals by specific gravity.

Lee S i th Lee, in the south belt, is reported sold to an astern syndicate.

Voontract has been let for a 200-foot extension of the St. Paul's working tunnel.

It is said the Le Roi has a thirty-foot ore body at the 550-foot level. The new torty-drill compressor will arrive in a few days.

The disabled engine at the O. K. is to be replaced by a new one, wh...a is now on the ground.

It has been found that the high-grade ore in the lumbo carries sylvanite, or telluride of gold. In Cripple Creek this mineral carries very high values in gold, and its discovery in the Jumbo is therefore a matter of more than passing interest to mining men in this district.

A general meeting of the shareholders in the Hall Mines was held the other day in London. Contrary to the expectations of some, there was no change in the general management of the company, a majority of the directors being re-elected.

Ore from the Giant shaft assayed \$50 in gold.

The Hilltop crosscut is now in seven feet of ore, at a depth of 65 feet.

Palo Alto is now down 80 teet, and there is three feet of pay ore in the bottom.

An office has been opened in Montreal by Messrs. A. L. White & Co., well and favorably known in Spokane. They have located at 259 St. James street, and as they will handle some of the best known stocks in the camp, will undoubtedly meet with success.

Another step in the progress of Rossland is marked by the completion of the Red Mountain Railroad, which is now in operation. Taking the train at Rossland passengers reach Spokane or Nelson without change of cars, a marked improvement over the old system of delays and transfers. A saving of four hours is effected.

English capitalists, it is said, will build a smelter at Nelson. It is reported the cost will be a million dollars and the smelter will be the largest in the Northwest.

Development work proceeds apace in the Slocan district.

The price of town lots in Grand Forks has advanced in one week from \$150 to \$500.

Two companies recently formed in Toronto are operating claims on Rover creek.

A new explosive, said to be smokeless and of greater power than any now in use, is to be tried in the camp.

The name of Mr. Joseph H. Adams was accidentally omitted from the list of the Walters Company's officers published last week. Mr. Adams is a director in the company.

Assays from the Imperial give \$45 in gold.

The Phoenix shaft is now down twenty-eight feet, and assays of ore from the bottom give \$38 in gold

An effort is being made to boom Scattle as a mining

The tunnel of the Victory has been driven seventy feet on the vein and the breast is now all in a fine concentrating ore, carrying gold, silver and copper. The ore body at this point is about ten feet wide. On the Triumph a shaft is being sunk. This is now twenty feet deep, but must be driven at least twenty feet further before the foot-wall is reached. Some very high copper and gold assays are being obtained from this shaft. There are now seven men at work on the Victory-Triumph properties, and rapid progress is being made. Encouraged by the success of

this company, several others on Sophie mountain have begun work, and some remarkable showings are to be seen as a result.

The recent shipment of four cars of ore from the Reco mine netted the owners \$20,708,59. Two cars went \$11,000. This is not the first wonderful shipment from the Reco. A number of shipments have been made which ran into the thousands of dollars per car. Two cars, of which mention has several times been made, netted over \$18,000. At the present time the owners are J. M. Harris, E. J. Kelly and the Wharton

Victory ore runs 4 per cent, copper.

Machinery for the Sunset is en route.

The Trilby shaft now shows two and a half feet of fine iron pyrites in quartz.

Good ore is being taken from the workings on the Waneta-Trail Creek company's mines.

The Good Hope company has elected a new board

The Nelson smelter has resumed operation and is now treating 130 tons of ore daily.

TO RECLAIM A FAMOUS MINE.

The Allison Ranch mine, which was, a quarter of a century ago, one of the best producing mines in the vicinity of Grass Valley, California, is to be reopened and worked to its fullest capacity. The mine is now owned by John W. Mackay and James L. Flood. The Allison Ranch mine has a unique history. In the height of its prosperity it was purchased by J. B. Haggin and A. E. Davis. The mine was a profitable investment. In 1866 it led all Nevada county mines, and two years later it had paid over \$3,000,000 in dividends. One day a miner's pick tapped a vein of water and in a few minutes the misses shootled: The water poured in in such a volume that it could not be pumped out and the mine was abandoned. That was twenty-eight years ago, and all that time the mine has remained full of water.

Eight years ago Mackay and Flood secured control of the property and now they propose to pump the mine out. A pumping plant with a capacity of 1,000,ooo gallons a day will be put in, the work to commence February 1. It is estimated that it will take two years to clear the mine.

THEY HAVE CONFIDENCE.

Three years ago the newspaper men of Kootenay, B. C., used to timidly suggest that it gave promise of becoming one of the best mining camps in British Columbia. Such a suggestion usually subjected them to lectures from the old Cariboo and Cassiar miners scattered through that country, but the newspaper men persisted, and in another year boldly proclaimed it the best district in the province. Then they began to compare it with Montana, Colorado, Australia, South Africa, and for a year past have claimed that it is the greatest mining country in the world. In proof of this claim, they cite the growth of the production, the richness of the ore, the width of the veins, their improvement with depth and the vast amount of mineral in sight.-Washington Mining Journal.

We have been asked to give the origin of the word 'wildcat" as applied in mining phraseology. A correspondent writing from Camp McKinney to the Vancouver World has thus given the locality where the term first became general, yet without explaining how it originated: "I have mined all over America in the last twenty-five years, and with me the word. 'wildcat. when applied to a prospect, is not original, but borrowed from the Pennsylvania oil operators, who meant by that term to sink in a new district considered outside of the belt." The best excuse we have heard why the word should be used, however, is in this definition of a wildcat—"something one is glad to let go of after taking hold of."-Boundary Creek Times.

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SENSIBLE WORDS.

It would be well if every eastern newspaper, in reterring to our mines, were to follow the example of the Toronto Globe, which speaks editorially as fol-

"It is well that the people of Canada should be cautioned against rashly investing their money in worthless or doubtful mining enterprises. It is not well that they should be taught to lose faith in the mineral development of British Columbia. Canadians have been slow enough in realizing the value of their mineral resources, and they have themselves to thank if there are Americans who have so far benefited almost exclusively both by the actual product of the mines and by the trade of the developing regions. It is Americans who developed the Le Roi and War Eagle mines and thus started the camp at Rossland; it is Americans who built and own the smelter at Trail; it is Americans who built and own the railway from Trail to Rossland; it is Americans who built and own the second railway from Rossland to Northport, giving direct connection with the American trunk lines; it is Americans who last week let the contract for a railway from Trail to Robson, giving the Trail Creek district connection with the Nelson smelter and with the Nelson & Fort Sheppard Railway; and now it is again Americans who, according to a dispatch in the Globe, have arranged to erect another great smelter at Northport, just on the American side of the line, to treat Trail Creek ores. It is, therefore, very properly Americans who are reaping the benefit of all this enterprise and activity. They had the faith which literally moved mountains, and they are seeing their reward.

"Doubts as to the certain development of West Kootenay generally and of the district of Trail Creek in particular must be ruled out of order. Western Americans are not the people to build railways in a mining country unless there is substantial promise of ores to be transported, nor to erect smelters unless there are ample indications that there are ores to smel: Eastern Canadian business men who have returied from Rossland are practically unanimous in their as to rony as to the magnificent outlook of the whose Kostenay district. But none are so certain and so enthusiastic as the men on the spot, who know all the local conditions, have studied the whole situation carefully, and are shrewdly placing their money in enterprise after enterprise, many of which have already proved remarkably profitable

"It is urged in some quarters that the actual output of ore from the Trail Creek district is much smaller than was predicted or than is to be expected in view of the advertising the district has received. But, as Mr. McCuaig has just pointed out in the Globe, and as been pointed out in Globe correspondence several times, there are a number of mines that have been holding their ore back until shipments could be made with more profit than has been possible in the past The Centre Star and Josie are notable examples of this, but there is a score of properties with more or less ore on the dump. And then, after all, it must be remembered that the camp is yet practically less than two years old, and that a year ago last spring blocks of Le Roi stock were sold at 20 cents a share. Active work on the majority of the properties which are now advertised and talked of began only during the past season, and two or three years is not a long time to allow for the development of a prospect into a shipping mine when it is remembered what difficulties have, until the last few weeks, existed in connection with transportation and ore production. Meantime, the output from Rossland in October, the last month we have seen quoted, amounted to an estimated value of \$175,000, no mean figure for an infant mining camp.

"The time, however, appears to be already in sight when Trail Creek ores will be reduced at a figure which will enable low-grade propositions to be treated profitably. The new smelter at Northport, which is to be running by the first of May, promises to reduce ore at the rate of \$6 per ton, including transportation. This will bring propositions averaging \$10-ore into the rank of profitable mining enterprises. Four months ago the lowest price quoted for treatment of ore was from \$12 to \$16 per ton. It was expected smelting charges would be reduced below this figure, but it was hardly thought the reduction would be so extensive or would come so soon. If Trail Creek ores

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...THE...

Silver Bell Mining Company

Assays from surface ore: \$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.

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

The Silver Bell Mining Company,

ROSSLAND, B. C.

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W. J. GREEN, Vice-Pres. G. A. POUNDER, 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 Ibex Mineral Claim, adjoining the famous Silver Beil

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 31/2 cents.

THE IBEX MINING COMPANY, LIMITED.

Shaw Block ROSSLAND, B. C.

ROBBINS& LONG, Leo. II. Long. ASSAYERS AND CHEMISTS.

PRICES FOR ASSAVING: | Copper only | S2 00 | Lead, wet assay\$2 50 | Antimony | S5 06 | Id and Copper 2 50 | Silica | 2 50 | Arcenic | 5 00 | G-ld only | 1 50 | Iron | 2 50 | Nickel | 10 00 | Silveronly | 1 00 | Zine | 3 00 | Cobalt | 10 00 | G-ld and Silver | 2 00 | Sulphur | 3 00 | Coal Analysis 10 00 | Lead, fire assay 1 00 | Aluminum | 3 00 | Ton or more comparations.

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. ROSSLAND, B. C. OFFICE WITH REDDIN & JACKSON,

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REAR OF GROCERY, OPPOSITE BANK OF MONTREAL.

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Our work speaks for itself.

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Nelson & Fort Sheppard Railway. Red Mountain Railway.

The only all rail route without change of cars between Nelson and Rossland and Spokane and Rossland.

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Leave.	10000 AND	Arrive,
9:00 a.m.	ROSSLAND	3200 p.m. \$120 p.m.
7:00 a. m.	NELSON 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
Leaves Rossland
No. 6, PASSENGER, Sunday only-
Leaves Rossland
Leaves Rossland
No. 4, PASSENGER, Daily-
Leayes Rossland
Affives at 1 fail 4200 p. in
No. 3. PASSENGER, Daily except Sunday-
Leaves Trail
Arrives at Rossland
No. 1. PASSENGER, Daily-
Leaves Trail 5:00 p. m
Arrivef at Rossland 5145 p. m
No. 5. PASSENGER, Sunday only-
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Connection made at Trail with ALL STRAMERS. both up and
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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 one from surface of Red Lagle give results ranging from \$20.00 to \$928.50. The Red Eagle has been surveyed, and a crown grant applied for. The first block of Treasury Stock is now on the market at 7½ cents, subject to advance without notice.

The work of development has commonwed, 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.

average no more than \$15 per ton, the minimum estimate, this still is nearly double the average value of the ores of the Rand, while, with the promised reduction in the cost of treatment, the net profit on the British Columbia ores at the grade named will be considerably greater than on the African product,

"It would, therefore, be carrying caution to the verge of folly for Canadians to doubt the existence in the mountains close around Rossland of vast masses of ore that will magnificently repay working. It does not follow that it is the duty of every man in Ontario to buy up mining stocks because he can get them at five or ten cents on the dollar. Everything put on the market is not going to become a paying mine. There are tive thousand prospects in Trail Creek, and if in the course of the next four or five years fifty of them, or 1 per cent., should become shipping mines to the extent of an average of 100 tons a day each, then the output from Trail Creek would surpass that from the Rand, and there would be such a boom from the Pacific coast echoed doubtless by an extensive hum in the east- as this continent has never yet seen. It may easily be that the share of prosperity that comes to Rossland will be far smaller than this. The number of shippers may be reduced to thirty, twenty, or even ten, but in any case it is obvious that a great many more properties are being floated than will be needed to make up even fifty big mines. The balance will probably prove bad investments. It is not within the province of a newspaper to indicate what properties may be safely invested in, even if it were possible to do so. All that a newspaper can do is to endeavor to learn the truth regarding the country, to place all the information at its disposal before its readers, and to keep them informed, so far as may be practicable, of the various facts bearing on the development of different districts and different properties. This the Globe has endeavored to do, and will continue to endeavor to do. Statements made by interested parties regarding their properties must be carefully weighed and considered, but they are not necessarily untrue. The character of the various gentlemen connected with different properties placed before the public is an important point in connection with the claims made for these properties. Even when all possible precautions have been taken, there is still a risk in mining enterprises. No man should invest more than he can afford to lose if the worst turns out. We are not advising the public to speculate in mining stocks. They must use their own judgment in that matter. But we do advise them not to lose faith in the future of British Columbia as a gold-producing country.

"Reference has been made here particularly to Trail Creek because it is more in the public eye than any other part of British Columbia. But Trail Creek appears to be but one of a dozen or score of spots where the precious metals are buried in abundance sufficient to make the Pacific province the greatest mineral country in the world. North and south, east and west through a vast territory in British Columbia are districts which are enthusiastically rivalling each other in their efforts to attract capital to develop their great natural wealth. And, turning from British Co-

Jumbia to Ontario, we find the same bright prospects arising from the same source of splendid mineral tiches. The Canadian who just now is found lacking faith in the future of his country as a whole, or doubting the mineral wealth of north and west Ontario and of Trail Creek and a score of places like it in British Columbia, does not deserve to share in the prosperity which the development of these districts will bring to

EAST KOOTENAY'S PROSPECTS.

In consequence of the excitement concerning the great mining boom in West Kootenay, says an exchange, the claims of East Kootenay as a mineral district have to a great extent been overlooked, but parties in Vancouver and elsewhere have been quietly locating prospects, and in a short time that portion of the province will come to the front and will be a source of genuine surprise to many people in British Columbia. The ore near Wild Horse creek is free milling gold bearing quartz and will require no expensive machinery to extract the yellow metal. The country around Fort Steele has been considerably prospected during last summer, and as soon as the snow goes away next spring operations will be resumed in a very active manner. The Crow's Nest Pass railway is sure to be built shortly and then such booms as Australia and South Africa have experienced in the past may be exceeded by the mines in the East Kootenay district. In the issue of the Fort Steele Prospector of November 28th reference is made to the Maus creek mines, which are situated about six miles from Fort Steele on Maus creek, a tributary of the Wild Horse, where the Nip and Tuck Hydraulic mining works are situated. All these properties will be developed next spring. Our contemporary says: There are some fifteen locations on or in close proximity to Maus creek, most of which were made during the past sum-The Keystone was located by Walter Van Arsdalen in July. The ledge on this property is six feet in width and can be traced the full length of the claim. The ore is gold quartz, carrying silver and gold. Assay returns give 68 ounces in silver and \$24 in gold. Just over the divide we find the Mammoth and Big Three, located by Van Arsdalen and Elwood. The ledge on the Mammoth is 100 feet in width, and the ore is a gold quartz, with some grey copper. West of the Keystone and down the creek we find four good locations that belong to Dr. Langis, of Vancouver, and one of his friends, the La Belle France, Lady Hortense, La Ville de Paris and La Ville de Bruxelles. The ore on these is a free milling gold quartz. Assay returns show 16-76-132-\$168 in gold. It is reported that the owners will run in two 50-foot tunnels in the spring. We learn that a stamp mill will be placed on the property next season. West of the above property we find Le Fenille de Rose and De Mornac. These claims are owned by Dr. McGuigan and Paul Marmette, of Vancouver. The ore is free milling and similar to the ore on the adjoining claims. East of the De Mornac we find an immense body of iron sulphurets. The ledge is over 100 feet in width, carrying

gold and silver. Between Maus and Lost creeks are a number of very promising claims. The Primrose was located by Ben Pugh. James Scott has a good claim west of the Primrose. Near the entrance to Lost creek is the Minnie Wells, which is a gold proposition. Assays from this property have run as high as \$2,000 in gold. There are several other good locations in the vicinity of Maus creek, and from reports we can expect to hear the dropping of stamps in the near tuture on Maus creek.

NEW GOLD FIELDS.

Says the Engineering and Mining Journal: "South Africa has for several years past occupied so much of the attention of the world that comparatively little attention has been paid to the possibilities of the development of new gold fields in other quarters of the world. Western Australia seemed to take its place beside the Transvaal for a time, but it was so overpraised and so overworked upon the stock markets for a time, that its somewhat slow development and the smallness of the actual results thus far obtained have put it out of the race. We must look elsewhere for the next new gold field to be developed and there is some uncertainty as to where it will be. It is believed that there are valuable gold deposits in Borneo and others of the great islands of the Indian Ocean, but the interior district of all those islands are but little known and the conditions are generally very unfavorable to their exploration, as they are occupied by native races who are extremely jealous of European encroachments, and are at the same time warlike, treacherous and much more tenacious and diffi cult to control than the African races, who are generally quite satisfied to live under and work for the white man when they are once subdued. The Malays and the Deaks of Borneo and Sumatra are never really conquered and are always ready to kill their would-te masters. In spite of these obstacles we are informed that an English company is making preparations to work on a very large scale in the Island of Borneo, where explorations have shown the existence of an extensive deposit of low-grade gold ores. There are great possibilities for the future in South America, and some people are convinced that the upper valley of the Amazon and its tributaries are the gold regions of the future; while the possibilities of the Guinnas have recently been referred to in our columns. These considerations refer only to new gold fields. We are seeing now a remarkable development in our older producing countries. The increase in the United States continues, and the older Australian fields are also gaining. The Russian production will probably show a great gain in the next few years, and there is little doubt that gold production will continue at a high level for some years to come." British Columbia is not mentioned, either as an old gold field or a prospective one, yet, we in the Kootenays believe that before long this province will be known to all the world as the greatest mineral producing country the world has ever seen. This district is not to be overlooked.

THE MINING REVIEW

A weekly newspaper devoted to the mining arterests of Irail Creek District.

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

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

DECEMBER 25 1890. Vol. 1.

No. 15

EDITORIAL NOTES.

Ar this festal season it is fitting that good wishes should be exchanged, therefore. This MINING REVIEW wishes its many readers, and especially paid-up subscribers, A HAPPY CHRISTMAS AND A JOY-OUS AND PROSPEROUS NEW YEAR.

A LITTLE wave of trepidation seems to have swept over the easters field during the last few weeks. The occasion for this has been a slight decline is some of the standard stocks, resulting from various causes, none of which, so far as can be judged, should be sufficient to cause a slump. It is not unlikely that the large number of new incorporations may have had something to do with the slackening in prices of standard stocks. The number of companies has increased at a time when public interest in the east is nearly stationary from perfectly natural causes. Tha several stocks in the face of this condition, have advanced in price, and nearly all have held their own, is certainly highly encouraging. And none can doubt that the immense amount of development work now being carried on will make paying mines out of many pro-pects, and bring many of the stocks now at low figures nearer to pru, and in cases above that coveted ngure.

Thi: favorable reception accorded the Rosslanders who yesterday waited or the Dominion government, and the Fremier's reply to their representations of Flootena; sinceds and her people's wishes, give earnest that this district and British Columbia generally will receive more attention and consideration at the hands of the Laurier government than it has from the powers that were. Attention to the needs of Braish Columbia is in a great measure incumbent upon the government as a matter of party policy Our prosperity and the consequent prosperity of the Dominion, will reflect credit upon the administration to a greater extent than may be its just due; still, we must accept that as a matter of course and see that such attention is commensurate with the importance of our Province and its revenue paying and wealth capacity.

RAILROADS play the first part in the development of a country, and it is with gratification that the REVIEW chronicles the advent to Rossland of the first line connecting the camp by an all-rail route with the great outer world from which we must derive our capital and our supplies and to which we must send in return our gold, silver and copper.

AND what a difference there is between the comfortable mode of traveling to and from the camp on the Red Mountain railway and the pioneer methods of a few months ago! Now we have communication with Spokane on the south, and Nelson on the north, without even a change of cars in either case. We are surely going ahead,

MARKET REPORT.

There has been a marked improvement in stocks during the last week. While prices have not advanced to any appreciable extent, many stocks which were wavering are held more firmly, and larger pur-

chases have been made than for some time. Deer Park has advanced and is in demand at the market quotation. Large blocks of Canadian Gold Fields have been sold. This stock seems to be an especial favorite. O. K. has improved, but is not vet steady. Poorman is again lower. Victory-Triumph is in des mand, both in the camp and in the east. Jumbo is active, and there is a call for Nest Egg. Waneta-Trail, Cambridge, Red Eagle, Silver Bell, Good Hope and other newer stocks are in demand,

COMPANIES.	CAPITA- LIZATION.	PAR VALUE MARKET PRICE.
Alberta	1\$1,000,000	\$ 1 00, t 15
Alamo	500,000	
Butte Gold Copper	1,000,000	
Big Three	3,500,000	
Caledonia Con		
Cambridge	2,500,000	
C & C	500,000	1.00.1
C & C	500.000	100 *
Celtic Queen	750,000	100 to5
Crown Point	500,000	
Crown Point	1,000,000	
Carily,	Son ono	
Camperland	500,000	
Deer Park Elise	1,000,000	
Erterprise		
Eureka	1,000,000i 500,000	1
Evening Star	1,000,000	
Georgia Good Hope	1,000,000	
Good Hope	500,000	100 8
Great Western Grey Eagle	1,000,000	1 00 16
High Ore	! 750,000! 500,000 [‡]	100 071/2
	1,000,000	1 00' 17
Homestake	£300,000)	£ı
Hilltop ,	1,000,000	1 00 t 10
Idaho Iron Colt	500,000	100 *
Iron Horse	1,000,000	1 00: 1 15 1 00: *
Iron Mask	500,000	100, 75
Iron Mask Ivanhoe.	1,000,000	Too tio
Josie	700,000	1 00: 55
Jumbo Iuliet	500,000	1.001 68
Kohinoor	1,000,000	1.00/t 12 1.00/t 10
Kootenay-Columbia		100 00: *
Kootenay London	1,000,000	1 001 121/2
Le Roi Lily May	2,500,000	5 00 7 50*
Mayflower	/oco,oco,1 000,000,1	1 00 17 15 1 00 15
Monte Cristo	1,000,000	1 00 13
Mugwump	1,000,000;	1 00: t 20
Menita	750,000	1 00; t 20
Northern Relle	1,000,000	1 00. *
Northern Belle Noble Five Con	1,000,000	1 00: ± 15 1 00: ± 50
Old Ironsides	1,000,000,	100, 15
O. K	1,000,000	100 0
Orphan Boy Phenix	700.000	1 00 1 15
Poorman	500,000i 500,000i	T0011,1214 T001 ()
Red Mountain View.	1,000,000	1 00: 20:
Rossland, Red Mt	1.000,000	1 00 20
Rambler Con	1,000,000	100 *
St. Elmo Silver Bell.	1,000,000	1 00! 13
Silvering	1,000,000! 500,000;	T 00! t 07
Southern Cross & W Con	500,000	1 00; 10; 1 00: 20
St. Paul	1,000,000	1 00! t 10
Stocan Star	500,000	5012 15
Sanshine	*500,000°	
	250,000;1 600,000	100, *
Victory-Triumph	1,000,000	1 00 1 10
Victory-Triumph	500,000	1 001 2216
war ragie	500,000[1 00:1 60
West-Le Roi. White Bear	500,000	1 00 26
Toung Diffish Amenca	500,000	1.00 t.*
Wonderful	1,000,000	1 00 15
Zilor	1.000,000	1.00 15

Dividend paying properties appear in valies.
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 ONLY. Columbia Avenue. ROSSLAND, B. C. P. O. Drawer T.

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C. F. Crovan. President.

F. CLOUGH & CO.

MINING BROKERS.

ROSSLAND, B. C.

Head Office.

Spokane, Wash,

36 King St. E.

Toronto, Ont.

MALTER C. ARCHER,

MINING AGENT.

NOTARY PUBLIC AND CONVEYANCER.

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

Telegraphic address: Archer, Rossland.

P. O. Box 240.

ROSSLAND, B. C.

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

SAWYER, MURPHEY & CO., MINING BROKĒRS.

Canada Life Building,

TORONTO, ONT.

offices:

ROSELAND, B.C., SPOKANE, WASH., TORONTO, ONT MONTREAL. QUE.

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

S. NORMAN & CO.

MINING AND STOCK BROKERS.

Direct Telegraphic Connection with Rossland:

SPORANE HOTEL.

SPOKANE, WASH

G. I. REINER

J. F. REDDY.

REDDY & REINER.

Unlimited and Unincorporated.

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Agents for Deer Park Treasury Stock.

201 and 202 THE ROOKERY.

SPOKANE, WASH.

THORNTON LANGLEY. JOHN MCTEER REPASS.

Mining Stocks and Properties of Merit.

RECORD BLOCK,

ROSSLAND, B. C.

CHE ANGLO-CANADIAN MIN-

ING 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.

manufaction and that have not been been been

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.

Owns 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.

THE DEVELOPMENT OF TO-DAY.

Development is a wonderfully significant word as applied to mining claims, districts and companies, because development reveals the facts. Theories. expectations and hopes fade away under the operation of this magic word unless absolute merit describes the underlying strata. Time is necessary to development, therefore, time tells the tide. Applied to the great Trail Creek Gold-Copper Mining District this crucial test affords an almost incomprehensible exhibit of stability and genuine worth. See the Le Roi in '91, without a wagon road, packing a paltry ten ton lot of ore on horseback to the Columbia river, whence by devious water and rail routes, the shipment must be continued for hundreds of miles before returns could be had; the shares a burdensome eyesore to the holders. Consider it now with fine equipment, over five hundred feet of shaft, two railroads and a third coming, \$250,000 paid in dividends, the shares worth over seven dollars and the ore bodies bigger and richer with depth. Then the War Eagle, a prospect at the end of '94, the shares worth fifteen cents; a dividend payer in '95 with over \$350,00; net ore production to credit of the mine in that year. Greater and richer ore bodies and dividends in 1895-96 and the shares at upwards of one dollar and fifty cents.

The entire space contained in a single issue of the MINING REVIEW could be filled with actual results gained in the older properties proving how magnificently the great gold-copper district surrounding Rossland has stood the test of development and time.

The more recent propositions subjected to vigorous work afford more speedy results because all of the advantages of improved working conditions and, better still, the benefits of the pioneer experiences are theirs. Every working facility is theirs and serious mistakes need not be made.

Notice the Sunset group, under active development by the Canadian Gold Fields Syndicate, Limited, just opposite the town. In October the Sunset was explored thoroughly on the surface for about five hundred feet along the vein. Carefully assayed, the outcrop yielded from three dollars to sixty-nine dollars

and fifty cents, mainly in gold, per ton; no time was required, as in earlier days, for the samples to be sent to Spokane, Butte, Denver or Salt Lake for assay before the values could be known -on the contrary, they could be obtained every day. In November a shaft was sunk twenty-five feet and in the first half of December twenty feet further, or forty-five feet in all. From the surface to the bottom the Sunset vein increased in strength and the ore in value; the results to date in the shaft ranging from two dollars to fifty-six dollars, principally in gold per ton; the average for the last twenty feet being upward of thirty dollars per ton. As a result, the Canadian Gold Fields Syndicate has been enabled to determine within the brief period named that the Sunset is a rich ore producer worthy of immediate and thorough development and equipment.

Work in the Sunset shaft is therefore pushed day and night, the plans are being gotten out for a first-class power plant and the Sunset promises to become an early shipping mine. In the older days it would have taken longer to get a ten ton lot of Trail Creek ore to the smelter and the returns back. Development has established the great gold-copper camp and time has been kind, for to-day, given a first-class prospect, it is but a brief span from development to dividends in the Trail Creek mines.

A BELIEVER IN TRAIL CREEK,

The Washington Mining Journal, which will hereafter appear monthly at Seattle, has the following remarks to make in its first number, which is just to hand:

"A great impetus was given to mining in the northwest by the successful development of properties in Trail Creek, British Columbia. So numerous, so rich and so extensive have the mineral bodies of that district proved to be that they have not only attracted to themselves mining investors from all quarters of the globe, but they have also established confidence in the other mineral districts of British Columbia and of the State of Washington.

"The whistle of the engine of the Le Roi can be

heard by the prospectors on Grouse mountain on the Washington side. The justly famous mineral belt plainly extends along both sides of the imaginary boundary line. Neither its width nor its length have been determined. Its boundaries, like the walls of the Jumbo, can not be found. It surely extends from the sources of the Wild Horse, the Moyea and Pend d'Oreille to the Pacific Ocean; north to the Big Bend and Thompson river and on the southern side may include one half of the State of Washington. Whether the best camps of this state will be found to be inside of this remarkable gold field, does not matter. Their proximity to properties of established value will lead to careful investigation, and the development which only comes with the advent of abundant capital.

PROF. COLEMAN IS VERY CONSERVATIVE.

Prof. A. P. Coleman gave a lecture at the Y.M.C.A. last night on the gold mines of Canada, says the Toronto World. After introducing his subject, Prof. Coleman said that all people desired gold mines, and no country in the world met that desire better than did Canada. Every province had gold, from the Atlantic to the Pacific. In Nova Scotia the annual output was \$400,000 a year. He then took up the British Columbia mines in general and particularly those in Rossland. The process of work there now was by hydraulic (?) means. Instead of an average of \$500,000 a year the output of gold in 1895 was \$1,200,000, and in 1896 would likely be much larger.

Coming to the Ontario mines, he said we possessed as wide an extent of gold area as any country in the world. From east to west one could not travel 100 miles without finding a mine of some sort. In the Rainy River district for 200 miles from east to west and 100 from north to south, one could not go ten miles without coming across a mine. Some of these could be reached by Pullman cars, but some could only be got at by water from Rat Portage. The aveage gold output in the province until the last couple of years had been \$30,000 a year. Last year it was \$50,000, while this year up to date it had been \$120,000. He thought it would reach \$500,000 before long.

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."

In Trail Creek District, Rossland, B. C.

"SOUTHERN BELLE."

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. Popp, M. P., Cookshire, P. Q., Vice-President: O. G. LABEREE, Spokane, Wash. Scoretary and Treasurer: R. Daiby Morkhel, Jr., Rossland, B. C.

DIRECTORS:

J. P. Graves, Spokane, Wash.; Chas. Fl. Woef, Spokane, Wash.; O. G. Laberee, Spokane, Wash.; R. H. Pope, M. P., Cookshire, P. Q., and R. DALBY MORKHE, Jr., Rossland, B. C.

DESCRIPTION.

The "Mascot" is situated on Columbia Mountain, and adjoins the famous "Kootenay" mine. Work done: 100 feet of termel, 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 "Southern Belle" adjoins the "Southern Belle" and the "Northern Belle." It has a tunnel 80 f et long, shaft 20 feet deep, and synface showing and ore values increasing with death.

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

THE PRODUCTION OF SULPHUR.

In view of the recent increase in the price of sulphur and suphune acid, might not the extraction of the sulphur from our ores pay? Speaking on this question the Mining and Engineering Journal says: "The recent rapid merease in the price of salphur through the operations of the Sicilian combination, and the probability if it prices can be kept up to or at least near the present level, has turned attention very generally to the possibilities of an extended use of pyrites in the manufacture of sulphuric acid, or to obtaining new supplies of sulphur. The first thing, of course, is to secure the raw materials, and the conditions now pre-ent an opportunity to the owners of deposits to make a market for their product such as has probably never tefore existed. A few weeks ago brimstone was selling at \$20 and \$28 per ton, an advance of from so tabo per cent, over the price of last July; and even you the price is \$22 to \$24 per ton. There are a number of deposits of pyrites in the South which could turnsh a supply, but unfortunately most of them are so located that the expense of transportation from the immes is very heavy. Thus it is now a fact that the fertilizer factories of Atlanta, Ga., have used imported pyrites, although there are large deposits within 150 miles of them; but these deposits are forty miles from a railroad, and the expense of hauling that distance over mountain roads has been greater that the cost of freight across the ocean. A further objection to the use of pyrites in many cases is the expense of altering plants or perhaps of putting in new furnaces, which might be necessary. The present conditions certainly present a favorable opportunity for the development of our own deposits of sulphur, which has heretofore proceeded very slowly. It seems probable that if the Sicilian operators hold together and succeed in keeping up the price, an increase in domestic supplies, both of sulphur and pyrites, may be expected."

THE OTTAWA DEPUTATION WELL RECEIVED.

(Special to THE MINING REVIEW.) OTTAWA, Dec. 22.-A most favorable reception was

accorded Messrs. D. B. Bogle, J. F. McLaughlin, R. Armstrong and J. A. Smith, the deputation of Rosslanders, who today had an interview with Hon. Mr. Laurier, Messrs. Tarte and Sifton. They explained the object of their mission to Ottawa, and succeeded in presenting Rossland's claims to attention in an acceptable manner. Mr. Laurier expressed concurrence with the idea that British Columbia mining was Canada's salvation, and that the fostering of the mining interests of Canada must be in the forefront of his policy. He promised that the government would onsider the suggestions of the deputation regarding the railroads projected in Kootenay, and would further in every way possible the development of British Columbia's mineral resources. The members of the deputation have met with a hearty reception, both in Toronto and in Ottawa, and their trip to the east will undoubtedly bring benefit to Rossland and southwest Kootenay. Messrs. Bogle, Armstrong and Smith will return to Rossland immediately.

OCEAN PLACER GROUND.

A Boston paper publishes the following story, evidently in the best of faith:

"Captain J. Dahl, master of the Norwegian bark Handy, when discharging a timber cargo at Irvine the other day, had with him a small nugget of gold which he had found adhering to his sounding lead after taking soundings off the coast of Newfoundland a few weeks ago. Captain Dahl, who hails from Fredrikshald, Norway, was at the time on his way home to Dalhousie, New Brunswick, to load his cargo. The lead had the usual thick coating of tallow on the end which comes in contact with the bottom, and when hauled in he found the tiny bit of gold, about the size of a bean, sticking to the tallow.

"At Dalhousie, Captain Dahl showed it to the merchant with whom he was transacting business, and who, on having it tested, found it to be pure gold. Captain Dahl stated that before leaving he had an offer of \$3,000 on condition that he would furnish information as to his precise bearings at the time he cast the lead, but refused. He was in British waters at the time, and will first ascertain what the government authorities the re have to say to him on the subject. He has reported the find to the custom house at Irvine, but refuses to give up the bit of gold."

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 own of Rossland, on Violin Creek.

TAKE notice that 1, N. F. Townsend, as agent for H. S. Wallace No. 73.405; John Elliott, No. 75.011, and Ernest Miller, No. 73.37, 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 improve-Dated this 10th day of October, 1896.

N. P. 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, facting as Secretary of Victory-Triumph Gold Mining Company, Limited Liability, free miner's certificate number 77270, 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 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.

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, A.R MACDONALD.

CERTIFICATE OF IMPROVEMENTS.

EMERALD MINERAL CLAIM.

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

Rossland:
TAKE notice that I, N. F. Townsend, acting as agent for Hirschel
Cohen, free miner's certificate number 7386, 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 perore the issuance of such attracts of mprovements.

Solvated this 23rd day of November, 1896

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 - Davie B. Bogel. Vice-President - Olaus Jeldness. Secretary-Treasurer--A, R. Macdonald. Trustee-Jefferson Lewis.

Bankers:
Bank of British North America.

Solicitor: W. J. Green.

Office -- Rossiand, B. C.

Mines-Sorhie 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 Etreasury 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 pricé.

F. M. GILLESPIE & CO., BROKERS.

Agents for the Sale of Treasury Stock.

P.O. DRAWER T.

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