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THE  
**B.C. MINING EXCHANGE**  
**AND ENGINEERING NEWS**

Vol. XVII. No. 5

Vancouver, B.C., October, 1915

• Price 10 Cents  
\$1.00 Per Year

## Notice to Owners of Copper Properties



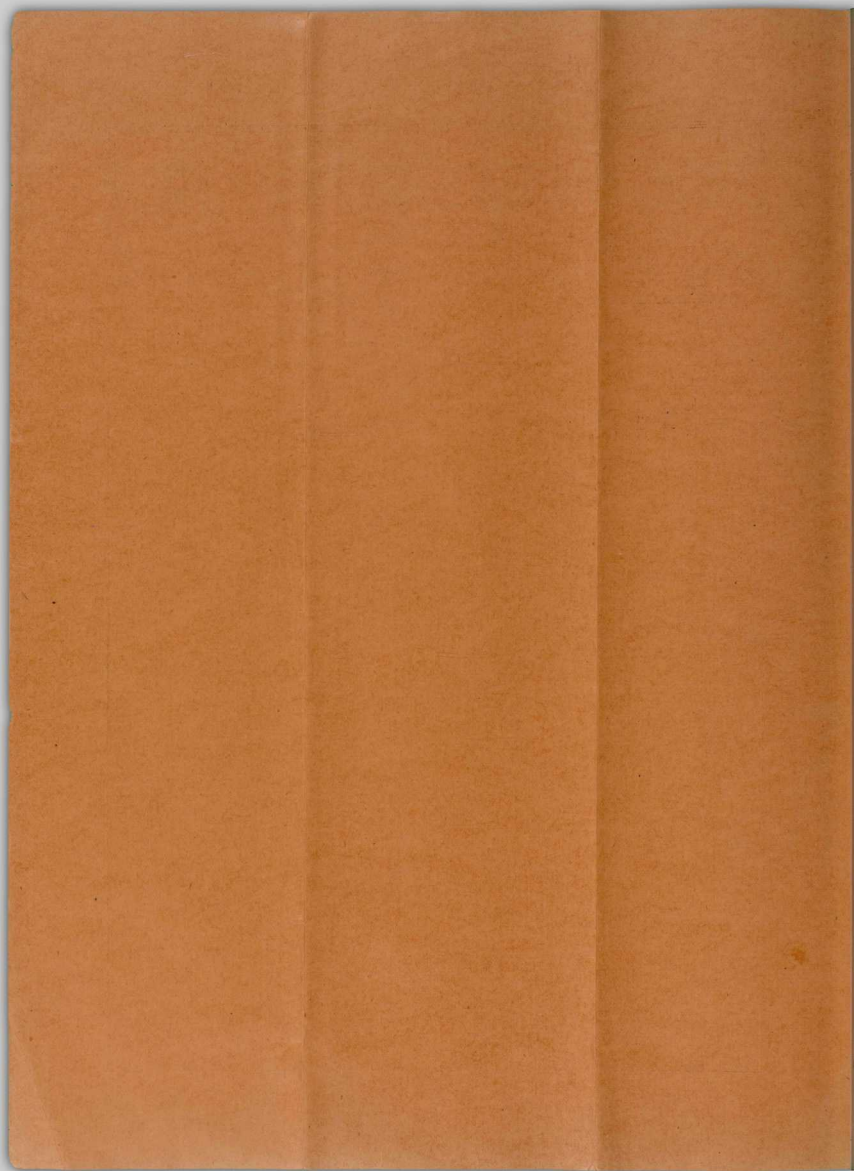
We are in communication with a Syndicate of New York capitalists who are desirous of acquiring some good Copper Properties in British Columbia.

The following particulars are required by the Financial Agents of the Syndicate in New York regarding any properties submitted to them:

- (1) Sketch of location.
- (2) A guarantee that all taxes and Government charges have been paid, a sample of the highest and lowest grade ore, and, if possible, a photograph of the property.
- (3) If any ore shipped, what quantity, and copy of returns from smelter.
- (4) If Engineer's Report, copy of report (certified) to be attached; also statement allowing the New York Syndicate a number of days to complete business transaction. All documents must be from owners of property or their authorized agents.
- (5) A full and faithful undertaking must be given that the property will not be sold to any person during the time needed by the New York Financial Agents to complete arrangements.

As considerable correspondence and other work will be necessary on our part to carry these arrangements through, parties having copper properties to dispose of are requested to accompany their application with a fee of Five Dollars.

Address Secretary B. C. Mining Exchange,  
307 Pemberton Building, Victoria, B. C.



# The British Columbia Mining Exchange and Engineering News

Vol. XVII

Vancouver, B.C., October, 1915

No. 5

## STEEL PLANT WANTED FOR B. C.

The Vancouver Board of Trade have approached the Provincial Government with a view to obtaining their assistance in having any reputable company undertake the establishment of a steel plant on the Coast.

Mr. Nicol Thomson, chairman of the mining committee, presented the following report to the government: British Columbia imported in 1912 approximately 120,000 long tons of iron and steel having a gross value of approximately \$3,000,000. This province has abundant supplies of raw material for the manufacture of all the iron and steel required for British Columbia and the adjacent provinces and states, there being no iron and steel works on the Pacific coast between Alaska and Mexico, or west of the Rockies, so that the industry established here would have this field for its market.

### Importance of Russian Market.

The committee has information that the Russian market will be of great importance in the development of the export trade in iron and steel. Approximately 20,000 tons of iron ore from Texada Island in British Columbia was shipped to Port Townsend and San Francisco, and was used in the construction of the United States battleships "Nebraska" and "Oregon" and two Japanese battleships. The reports upon it were exceedingly favorable, and gave highest satisfaction.

### Iron-Carrying Ores.

In a paper read before the American Institute Mining Engineers, Mr. C. C. Jones stated that the ores of this coast carry from 4 to 10 per cent more iron than the standard Lake Superior iron ores, and that the bulk of the tonnage is within Bessemer limit for phosphorus. There is no cost of drying before transportation, and there is a saving of 10 per cent on the freight charged on crude Lake Superior ores. He estimates the present market for iron and steel products on the Pacific coast to be \$23,000 tons per annum, and states that if the manufacturing of cast-iron pipes, oil pipe, railway steel and shipbuilding is undertaken the amount of iron and steel required will be approximately 2,000,000 tons per annum. He points out that the cost of iron ore delivered on the coast will amount to \$3.50 to \$4.50 per ton, as against \$8.17, the present cost of Lake Superior ores delivered at the eastern works.

### Cost of Production.

The cost of producing pig iron in British Columbia has been estimated

by Dr. Lindeman at \$16 per ton; by Saver at \$12.25 per ton, and by Wilmet at \$12 to \$17 per ton, according to quality. The cost of producing pig iron at Irondale, Washington, was \$13.75 per ton. The average cost of pig iron at Pittsburgh is \$15.30 per ton, as given by Judge Geary before the ways and means committee of the United States House of Representatives. The present cost of United States pig iron in Vancouver is \$27.50 per ton, and of Eglinton (England), \$32 per ton. The price of this, under normal conditions, would be \$22.50 and \$27 per ton, respectively.

The cost of a one hundred ton per day unit blast furnaces, including rolling mill, converting plant and coking plant would be approximately \$1,800,000. In our opinion a steel plant capable of supplying the local market and the immediate export trade could be put down here at a capital of approximately \$5,000,000, and we recommend that the provincial government be approached to assist in some tangible way any bona fide company that would establish such a plant here.

## GRANBY CONSOLIDATED CO.

At the annual meeting of the shareholders of the Granby Consolidated Copper Mining, Smelting and Power Company net profits for the year ended June 30th were shown to be \$929,165. Sales of 25,740,050 pounds of copper were made at an average price of 15.87 cents; the average cost was 10.66 cents. There was realized from copper sales \$4,086,441. The production for the year amounted to 26,638,912 pounds of copper, 377,831 ounces of silver and 31,328 ounces of gold. Hereafter quarterly reports will be issued by the company.

The balance sheet as of June 30th discloses total assets of \$22,721,231, of which cash and metal on hand represented \$1,756,543; accounts receivable were \$568,465; accounts payable, \$664,830, and the surplus \$3,658,087.

The Granby Consolidated Mining, Smelting and Power Company has installed a new furnace at its plant at Anyox, making the capacity 3000 tons every 24 hours.

The Consolidated Mining and Smelting Company, with smelter at Trail, has the biggest payroll in its history. Eight hundred men are employed at the smelter and at the Five quarries, was aggregating between \$160,000 and \$170,000 per month.

## IMPORTANT DECISION RE ALBERTA OIL LEASES

The Minister of the Interior, Hon. Dr. Roche, has intimated that while he is unable to grant a further general extension of time for payment of lease rentals he has decided:

1. To protect leases held by men enlisted in the Canadian forces.
2. To protect leases where development has been commenced.
3. That in cases of individuals or companies holding large number of leases portions of their holdings may be dropped and the amount paid previously on the leases now dropped shall count towards further payments on leases retained.
4. That no leases will be cancelled automatically but the case of each leaseholder given consideration.

In all cases leaseholders should communicate with the Minister of the Interior, making, if possible, a payment on account as evidence of good faith.

Announcement of the above fair and reasonable regulations will be received by all leaseholders with the liveliest satisfaction, and the B. C. Mining Exchange & Engineering News congratulates the Minister of the Interior on the able manner in which he has dealt with so troublesome a problem.

## BUSINESS AND FINANCE SEPTEMBER, 1915.

Business in September, 1915, is up to the average for that month for the years 1911 to 1914, as expressed by the bank clearings and gross railway earnings. The prairie provinces, thanks to a bumper harvest, are in a prosperous condition. Failures are decreasing and wholesale houses have encouraging orders. Banking resources are in a more liquid form than for years past.

Imports of merchandise August, 1915, were nearly four million less than August, 1914, while exports for August, 1915, were \$5,000,000 more than in 1914.

Savings deposits were \$33,000,000 more than August, 1914, while current loans were \$5,000,000 less than August, 1914.

The weekly budget (based on the cost per week of farm output of staple foods, fuel, light and rent) as compiled by the Department of Labor was \$12.74 (average) August, 1915, as against \$14.46 August, 1914. While wholesale prices show \$147.5 August, 1915, against \$136.3 August, 1914.

When we compare a decrease as



shown in the statistics in Canada of nearly 6 per cent in cost of living with an increase of 27 per cent in England, it shows us that in Canada we are immune from much of the economic pressure consequent on the war.

Transactions as compiled by Green-shields & Co. on the Stock Exchange represent \$15,144,000 in September, 1915, as compared with \$25,000,000 in August, 1915, and nil for September, 1914.

Prices average \$135.4 in September, 1915, as against \$129.5 in August, 1915.

War orders have dominated in point of activity, particularly Light, Heat and Power, Shawinigan Water & Power, Cedar Rapids Manufacturing Co. and Laurentide. Municipal bond sales improved from August, the Monetary Times' estimate giving the sales at \$2,646,000 for September.

City of Victoria ten year 4 1-2 per cent were offered on a 6 per cent basis.

City of Saskatoon 5 per cent were on a 6 1-4 per cent basis.

Province of Saskatchewan serial 5 per cent on a 5.80 per cent basis.

The Anglo-French five year 5 per cent loan was underwritten in New York at 96. On this basis, the money cost Great Britain and France nearly 6 per cent. The entire \$50,000,000 bonds were underwritten by banks, bond houses and large private investors. They are now being offered to the public at 95 which gives a yield of 5 1-2 per cent.

Messrs. Green-shields & Co. recommend U. S. Steel for safe speculation investment, also Virginia Caroline Chemical Co., which is at present at 44 and which earned 7 1-2 per cent. last year; American Locomotion common and Wayagamack Pulp & Paper common.

#### B. C. COPPER COMPANY CONTEMPLATED EXTENSION

Improvements are under consideration by the company, the cost of which will probably exceed one million dollars. These will include a concentrator capable of a daily output of 2000 tons near Copper Mountain and a power plant at Princeton. These improvements would mean that the present force of 150 men would be considerably increased.

The company has stated that if the Kettle Valley Railway is not extended from Princeton to Copper Mountain the company will themselves construct an aerial tramway to carry the output from the proposed mill to the railway.

With the smelter working one-third capacity the output is \$50,000 pounds blister copper per month, the net profit for September being \$7000.

Pioneer mine (Lillooet) is getting into first-class shape under C. L. Coppins' able management. The dam is finished and the flume and shaft will shortly be completed and working operations commenced next month.—Prospector.

The Nelson Daily News states that the Roseberry mill, owned by a company now in liquidation in the English courts, was sold on October 30th, but it could not be learned whether the purchasers were Keene and Cunningham (who have the plant under temporary lease) or the Surprise Company, who have been trying to arrange the purchase of the property.

Completion of the steam plant at the Monarch mine (near Field) is shortly expected, when 60 tons of ore per day will be treated. The plant will be 100 horsepower and will supersede the hydro power in use previously.

The company who employ 25 men are working on the opening up of new ore bodies and are keeping a large reserve of ore.

#### Lucky Jim.

Since the fire at the Ivanhoe mill at Sandon, B. C., the output, which amounts to 100 tons daily, is being dealt with at the Roseberry mill near New Denver, B. C. The change has resulted in a considerable increase, 45 to 46 per cent since, which is giving great satisfaction to the company which has no difficulty in finding a market for the output.

#### HIGH-GRADE ORE FOUND AT HARRISON LAKE

J. O. Fulbrook and W. F. Campbell last month discovered about one mile from Harrison Lake a four-foot lead carrying values in gold, silver and lead. The locators have traced the lead across the two claims they have staked. The lead occurs between

diabase on the hanging wall. These two formations are in the form of a dyke with contact between granite on the west and slate on the east.

Samples are now being assayed and should they prove sufficiently valuable every effort will be made by the locators to develop their claims for commercial purposes. Meanwhile considerable surface work has been undertaken and a blacksmith shop and cabin built.

The dead body of Walter Langley, who owned the Caledonia claim, three miles north of Quaslo Lake, Vancouver Island, was found by the district fire warden last month. Evidence points to the occurrence of an accident while deceased was conducting blasting operations.

Kaslo Daily News—A party of East Kootenay mining men on Thursday, Oct. 21, went on saddle horses to inspect the Flint and Martin mines. These properties are situated on the south fork of Kaslo Creek and have been developed to a point where pay ore is in sight. J. A. Carter is owner of the properties.

The Viking Mining Co. of Pitt Lake, B. C., owns a property on tide water at Pitt Lake within 36 hours of Tacoma smelter. There is a tunnel of 239 feet, shaft of 180 feet and other openings on the property aggregating 260 feet.

Shipments made to the present time average 10 per cent copper and \$2.35 silver. A tramway costing \$8000 has been completed. Capitalization of the company is \$45,000. Assets are computed at \$250,000.

The company hope to be shipping copper shortly.

## The Bella Coola Land Syndicate, Limited

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## YUKON GOLD MINES.

The deal which was under contemplation for the sale of Lone Star and Elderado Dome Quartz-Yukon mining properties—to a New Jersey syndicate has been shelved for the present as a consequence of the financial unrest.

The working on Lone Star mine was brought to an abrupt conclusion in July, 1914, through lack of funds to continue work, the ore being the mill last year being so low below former values that working expenses could not be met. Shareholders of either company are asked to communicate with the B. C. Mining Exchange, which has an enquiry for stock.

Mountain Con mine at Sandon shipped two cars of ore to Trail smelter. One car of 43 tons, it is stated, runs 1063 ounces silver and 44 per cent lead, the other car of 42 tons giving 689 ounces of silver and average of 29 1-2 per cent lead.

## RECEIPTS AT TRAIL SMELTERS.

	Week End.	23	Yr. to Date
Centre Star .....	3,342	178,859	
Le Roi .....	3,336	127,592	
Le Roi No. 2 .....	376	13,360	
	7054	319,811	
Nelson .....			
Queen .....	56	902	
Emerald .....	35	969	
East Kootenay .....			
Sullivan .....	1,171	24,270	
Siocan and Ainsworth .....			
Rambler Cariboo ..	40	1,243	
No. 1 .....	96	5,347	
Cork Province .....	30	810	
Standard .....	218	5,029	
Blue Bell .....	43	352	
Mountain Con .....	55	85	
	512	12,876	
Consolidated Mines .....			
Centre Star .....	3,342	178,859	
Le Roi .....	3,336	127,592	
Le Roi No. 2 .....	376	13,360	
United Copper .....	76	3,489	
Ben Hur .....	445	15,455	
Cork Province .....	30	810	
Rambler Cariboo ..	40	1,243	
Standard .....	218	5,029	
Blue Bell .....	43	352	
Sullivan .....	1,171	24,270	
No. 1 .....	96	5,347	
Emerald .....	56	902	
Queen .....	35	969	
Mountain Con .....	85	85	
Knob Hill .....	82	2,287	
San Poll .....	85	1,675	
Other mines .....		12,153	
	9,516	391,087	

The Broken Hill (Lillooet) mine will be opened shortly and a large number of men employed throughout the winter.

We learn from the Lillooet Prospector that Mr. C. F. Dunn is endeavoring to have a road built to his Cadwallader Creek prospects.

## IMPROVEMENT IN LOCAL LUMBER INDUSTRY

The Report of the Hon. the Minister of Lands for B. C. mentions a decided improvement in the industry as compared with September, 1914 orders (and more important orders at that) than for some time past have been received from the prairie provinces, the shingle business in particular showing marked signs of improvement. Much of the slash and logging rubbish has been burnt last month. A considerable number of timber sales have been made during the month.

Timber returns for August as published by the Hon. the Minister of Lands: 64,257,966 feet (board measure) saw logs, 72,383 lineal feet of piles and poles, 8229 feet cords, railway ties, shingle bolts, posts and cordwood.

Timber sales (August)—10,100,857 saw logs, 85,000 feet piles and poles, 1224 feet cords, etc.  
Total revenue \$18,160.

The price of radium is cheaper since the war commenced when radium bromide cost £17 to £18 a milligram.

## B. C. CONSUMERS' LEAGUE ENDEAVORS TO PROTECT HOME INDUSTRIES.

The Hon. W. E. Scott, Deputy Minister of Agriculture, said recently in an address to the B. C. Consumers' League that \$25,000,000 was annually sent out of B. C. in payment for agriculture products of a kind that are also grown here, while an equal amount leaves the province for manufactured goods.

The B. C. Consumers' League has now 6909 members. The country members pledge themselves to buy B. C. manufactured goods wherever possible and the city members reciprocate by purchasing local products in preference to imported products. The League is organized in Vancouver, Victoria and New Westminster, where inquirers will obtain full information on any subject appertaining to this excellent work.

## ALASKA EXPOSITION.

It is proposed to hold organized celebrations and displays during 1917 in the leading cities of the territory, Juneau, Skagway, Wrangell, Fairbanks and Ketchikan.

1917 being the 50th anniversary of the acquisition of Alaska as U. S. territory, the object of the celebrations are to advertise the natural resources of this vast region and to help dispel the all too prevalent idea that Alaska is an ice-bound country and gold mining is the only means of livelihood.

## "THE BRITISH COLUMBIA OLD COUNTRY PUBLIC SCHOOL BOYS' ASSOCIATION"

All Old Boys of British Public Schools now in Vancouver Island B. C., are requested to communicate the following information to the Secretary of the Association: (1) Name. (2) Present address. (3) Old School and date of residence there. (4) Present occupation.

A copy of the Constitution and By-laws of the Association will be sent to every old public school boy who is not already a member thereof.

It is hoped that all may join, so that a complete register of old public school boys now in Vancouver Island may be obtained.

Old members who have not done so are requested to notify the Secretary of any change of address. Address to the Secretary:

A. R. SHERWOOD

BOX 812 - - VICTORIA, B. C.

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PART III.—The Examination of Rocks.—Introductory. Rock-structures easily distinguished. Some Physical Characters of Rocks. The Chemical Examination of Rocks. The Isolation of the Constituents of Rocks. The Petrological Microscope and Microscopic Preparations. The More Prominent Characters to be Observed in Minerals in Rock Sections. The Characters of the Chief Rock-forming Minerals in the Rocksness and in Thin Sections. Sedimentary Rocks. Igneous Rocks. Metamorphic Rocks.

PART IV.—The Examination of Fossils.—Introductory. Fossil General Types, Phyllozoa, Polyzoa, Lamellibranchiata, Scaphopoda, Echinodermata, Arthropoda, etc. Suggested list of Characteristic Invertebrate Fossil. Index.

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**CORRESPONDENTS** — All correspondence should be addressed to the Editor, B. C. Mining Exchange, 307 Pemberton Building, Victoria, B. C., and any correspondents desiring advice or information in reference to investments we will reply to, free of charge, providing they are annual subscribers.

**REMITTANCES** should be made by P. O. or certified cheque, and received at British Columbia Mining Exchange, Victoria, B. C.

**ADVERTISING RATES** on application to the Secretary, 307 Pemberton Building, Victoria, B. C.

VANCOUVER, B. C., OCTOBER, 1915

### EDITORIAL

The latter part of October was marked throughout the States as a period of great prosperity in every department of trade and business. Bank clearings show very substantial increases compared with last year's figures. The steel trade is breaking all records of production. The manufacturing centres are crying out for skilled labor. The recent huge shipments of gold from debtor countries have filled Uncle Sam's treasury to overflowing.

Farmers are freer from debt than for years past and are in many instances lenders rather than borrowers owing to the production of good crops in two successive seasons. Even real estate is picking up and transactions are becoming more numerous. We welcome the news of our neighbor's prosperity and believe that the golden wave in the near future will be flowing our way, too.

The editor will heartily welcome communications of news appertaining to B. C. mining from any source and hope that our readers will co-operate in making our paper as full and comprehensive a record of mining activities as possible.

We recently published some criticism of our banks and if any banker feels disposed to reply thereto, we shall only be too pleased to grant

space for the purpose, as we always welcome expressions of opinion on both sides of any subject.

The Florence Silver Lead Mining Co. are considering plans for the driving of a long tunnel, 2000 feet long, from near the Princess Creek Landing to tap the Florence at depth. The company may erect a 200-ton capacity concentrator at Princess Creek at a future date.

Repairs at the Ruth mill (Sandon) are now complete and work has been restarted at the mine.

Rambler Cariboo dividend (1 per cent) was declared recently. This is the first dividend since 1912. The company is now in good financial shape and free of debt, and dividends from now on should be regular and increasing.

The Mountain Lion mine at Republic and the Transvaal mine (Ashcroft district) will be reopened in the near future.

The progress of the new low-level tunnel at the Eureka Mine property is, we understand, very satisfactory. We hope to be able to give details of the operations up-to-date in our next issue.

### NEW YORK STOCK MARKET.

The strength exhibited by the New York Stock Market has more than justified our optimistic forecasts in our previous issues.

C. P. R.'s have been over 190. Southern Pacific's to 102, Union Pacific's 139, United States Steel 88, Reading 82 and Erie has risen from 33 to 44; Studebaker has risen 40 points since we recommended it.

The foregoing figures reflect the prosperity now obtaining in the United States, which would appear to be mainly attributable to the large orders for war and other materials received from Europe.

We still believe that all the Standard and American Rails and C. P. R. will reach higher figures in the near future.

### SHIPBUILDING IN B. C.

There has recently been considerable agitation to promote shipbuilding and shipping on the Pacific coast of B. C. At the present time a committee of the Victoria Board of Trade is working in conjunction with a committee of citizens.

Owing to the lack of ships it is quite impossible for the lumbermen of the province to execute large orders

for lumber which they can secure for the United Kingdom, South Africa, Australia and other points and, it is with a view of dispelling the congestion which has arisen through lack of ships that the committee are endeavoring to foster the industry.

Rates for freight are so high that the committee learn they can probably secure a sum for freight equal to 40 to 50 per cent of the capital necessary to procure the ships. This could be earned in about four months.

These figures are very encouraging and it only requires the united efforts of the citizens of B. C. to provide the necessary funds. If the industry is once put on a proper footing it will, in addition to providing labor for hundreds of men, bring large sums of money for lumber and other goods which is bound to react for the benefit of the whole community. We wish the committee every success in their patriotic endeavors.

### WATER RIGHTS.

We draw attention to the formal notice in another column the meetings of the Board of Investigation under the Water Rights Branch of the Provincial Government will be held at New Westminster on December 15, 1917 to deal with the matter of holdings along the tributaries of the lower Fraser River.

### STOCK QUOTATIONS.

#### Vancouver.

	Bid	Asked
Great West Perm. (A.)	87.00	92.00
Inter. C. & C.	—	.13
Alta. Can. Oil	—	.091
Alta. C. & C.	—	.01
Nugget Gold	—	.13
Portland Canal	.008	.13
Roswell Mining	—	.25
B. C. Copper	—	1.00
B. C. Perm. Loan (A.)	—	96.00
Granby	83.00	90.00
Northern Crown Bank	—	80.00
Pacific Coast Fire	—	95.00
Pacific Investment	—	55.00
Pacific Loan	—	29.00
Can. Con. M. & S.	120.00	.002
Amalgamated Devel.	—	.008
B. C. Refining	—	.30
Can. Pac. Oil & C.	—	.04
Coronation Gold	—	.10
Gastler Creek	—	.02
Grand Trunk Lands	—	.03
Lucky Jim Zinc	.093	.113
McGillivray Coal	.15	.19
Rambler Cariboo	—	.12
Snowstorm	—	.15
Standard Lead	1.46	1.58
Stewart Lands	—	8.00
Red Cliff Mining Co.	—	.043
White Island Sulphur	.10	.20
Roscan Star	.19	.22
Gladwin Oil	—	.20
Trojan Oil	—	.05
Can. Oil & Vent.	—	.05

#### Victoria.

Blackbird Syndicate	15.00	21.00
Can. Copper Co.	.87	.98
8th	60.00	72.00
Can. Cons. S. & R.	134.00	134.00
Coronation Gold	.09	.10
Granby	87.50	89.00
Inter. C. & C.	.11	.12
Lucky Jim Zinc	.093	.113
McGillivray Coal	.14	.18
Portland Canal	.01	.013



Bambler Car'boe .....	20	32
Standard Lead .....	1.43	1.50
Shawstern .....	14	15
Stewart M. & D. ....	75	
Slocan Star .....	18	21
Stewart Land .....	1.50	
Victoria Phoenix Brew.	115.00	

## Unlisted.

American Marconi .....	4.00	4.75
Canadian Marconi .....	1.00	1.25
Glacier Creek .....		34
Island Investment .....		22.00
Union Club (deb.) new ..		40.00
do. old .....		80.00
Portland Tunnels .....		50.00
Victoria Opera Debts .....	35.00	
Howe Sound M. Co. ....	3.50	4.25
Pingree Mines .....		10

## Calgary.

Acme Oil .....	0.02	0.02
Alberta Asso. ....	.05	.10
Alta. Pac. Con. ....	.001	.015
Alta. Pac. Con. ....	.001	.001
Athabasca Oils .....	.08	.10
Beaver .....	.003-5	.001
Belmont Oil .....	.04	.04
do. No. 2 .....	.04	.02
British Canadian .....	.009	.002
Calgary Alberta .....	.04	.05
Calgary Pet. ....	.10	.10
Com. Oil & Gas .....	.001	.001
Christy .....	.05	.021
Dome .....	.001	.01
Fidelity .....	.05	.07
Monarch Oil .....	.10	.121
House Mountain .....	.05	.075
Mt. Stephen .....	.094	.10
N. W. Pacific Oil .....	.001	.001
Piedmont .....	.001	.01
Prudential .....	.001	.01
Sagor Oils .....	.001	.001
Southern Alta. ....	1.85	1.50
Stokes Stephens .....	.011	.011
Union Pac. Cons. ....	1.65	1.70
United Oils of Alta. ....	.02	.04
Western Con. Oil .....	.07	.09
Waterlight, Upper .....	.01	.02
New York, Oct. 30 ..		
Copper quiet .....		
Electrolyte 18 and 181.		
Silver 424 .....		
Tin .....	.34	.341
Lead .....		4.75
Spelter .....	14.75	
Antimony .....	34	.55
Quicksilver .....	93	
Aluminum .....	83	.56
Iron, No. 2X Foundry ..	16.25	16.75

## OIL PRODUCTION 1914.

According to U. S. geological survey 400 million barrels of petroleum entered the world's markets during 1914.

	1914	1913
United States .....	265,762,535	248,466,200
Russia .....	67,020,522	62,303,456
Mexico .....	21,184,457	25,902,439
Roumania .....	12,826,679	13,554,768
Dutch E. Indies .....	12,303,318	11,968,357
India .....	8,000,000	7,920,149
Galicia .....	5,633,350	5,318,120
Japan .....	2,738,278	1,942,009
Peru .....	1,917,802	2,152,261
Germany .....	895,754	945,435
Egypt .....	777,034	503,616
Trinidad .....	441,531	503,616
Canada .....	214,805	228,080
Italy .....	29,548	47,556
Other Countries .....	620,000	270,000

400,483,489 382,607,820

## Select Share Offer

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having underwritten the entire issue of the Preferred (10%), Participating and Cumulative stock of a mining company controlling a number of Crown-Granted mineral claims in one of the richest mining sections of the Province offers a limited number of these desirable shares for a short time.

Development work on sections of these claims has progressed to an advanced stage there being already over 4000 feet of tunnels, drifts, cross-cuts, up-raises and winzes, three-fourths of which penetrate solid ore bodies in veins well defined and rich enough in constant values (copper, silver and gold) to render shipment very profitable.

New lower-level tunnel to economize in cost of mining operations is already being driven and an Aerial tramway to reduce cost of transportation now undertaken—the whole to be completed expeditiously to provide for constant shipment of ores at the minimum cost of both production and transportation.

Proceeds of share sales to be devoted to above specified development and construction work.

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I have some mineral claims which are carrying gold, silver, copper and iron veins of hematite, near water, plenty of timber on property, and within easy reach of railway transportation.

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## WATER ACT, 1914

### Before the Board of Investigation

In the matter of all streams draining from the north into the Fraser River between the mouth of Ruby Creek and the City of New Westminster and of all other streams in the Municipalities of Coquitlam, Kent, Maple Ridge and Pitt Meadows.

And in the matter of all streams draining into the east side of the North Arm of Burrard Inlet and of all streams draining into the North side of Burrard Inlet, east of the said North Arm.

A meeting of the Board of Investigation will be held at the Court House in New Westminster on the 16th day of December, 1915, at ten o'clock in the forenoon.

In the matter of all streams draining from the south into Fraser River below the mouth of Ruby Creek and of all other streams in the Municipalities of Chilliwack, Delta, Langley, Matsqui, Richmond, Sumas and Surrey.

A meeting of the said Board will be held at the Court House in New Westminster on the 17th day of December, 1915, at ten o'clock in the forenoon.

At these meetings all statements of claim to water privileges under Acts passed before the 12th day of March, 1909, on those respective streams, all objections thereto, and the plans prepared for the use of the said Board will then be open for inspection.

All persons interested are entitled to examine these, and to file objections thereto in writing if they deem fit.

Objections will be heard forthwith if the party objected to has received sufficient notice of the objection.

The Board at the said meetings will determine the quantity of water which may be used under each record, the further works which are necessary for such use, and will set dates for the filing of plans of such works and for the commencement and completion of such works.

And whereas there may be persons who, before the 12th day of March, 1909, were entitled to water rights on the said streams and yet have not filed statements of their claims with the Board of Investigation, such persons

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are required to file on or before the 27th day of November, 1915, a statement as required by section 294 of the "Water Act, 1914, or section 28 of the "Water Act" as amended in 1912. The forms (No. 50 for Irrigation and No. 51 for other purposes) may be obtained from any Government Agent in the Province.

Dated at Victoria, B. C., the 2nd day of November, 1915.

For the Board of Investigation,  
J. F. ARMSTRONG,  
Chairman.

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**NOTICE OF CANCELLATION OF RESERVE.**

NOTICE is hereby given that the reserve existing on Lots Nos. 10355, 10368 and 11551, Kootenay District, by reason of a notice published in the British Columbia Gazette on the 27th December, 1907, is cancelled, and that the said lands will be open to entry by pre-emption at 9 o'clock in the forenoon, on Monday, the 6th day of December, 1915, all applications to be made at the office of the Government Agent, at Cranbrook.

R. A. RENWICK,  
O1-5 Deputy Minister of Lands.

**NOTICE OF CANCELLATION OF RESERVE.**

NOTICE is hereby given that the reserve existing on certain lands in the vicinity of Canford, B. C., and formerly covered by Timber License No. 37581, by reason of a notice published in the British Columbia Gazette on the 27th of December, 1907, is cancelled. The said lands will be opened to entry by pre-emption at 9 A. M. on Monday the 6th of December, 1915, at the office of the Government Agent, Kamloops, B. C.

R. A. RENWICK,  
Deputy Minister of Lands.  
Department of Lands, Victoria, B. C.  
September 24th, 1915.

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# BRITISH COLUMBIA

## THE MINERAL PROVINCE OF CANADA

Gold, Silver, Lead, Copper, Coal, Coke, Iron, Zinc, Platinum, Etc.

The aggregate value of the Mineral production of British Columbia is

**\$486,822,745**

As follows: Placer Gold, \$73,269,803; Lode Gold, \$81,595,516; (Total Gold, \$154,865,319); Silver, \$37,709,283; Lead, \$31,468,462; Copper, \$86,232,370; Zinc, Iron, etc., \$2,198,949; Coal and Coke: \$149,814,462; Building Stone, Brick, Cement, etc., \$22,827,101.

The substantial progress of the Mining Industry of the Province is strikingly exhibited in the following table, which shows the value of production for successive five-year periods:

For all years to 1894 inclusive .....	\$ 88,904,199
For five years, 1894-1899 .....	46,906,258
For five years, 1899-1904 .....	90,391,394
For five years, 1904-1909 .....	121,618,733
For five years, 1909-1914 .....	139,002,161

Aggregate value of Mineral Production.....\$486,822,745

### A GREAT MINING REGION

British Columbia is pre-eminently **A GREAT MINING REGION**. Its mines already yield virtually all the lead mined in Canada, more than one-half the Gold, nearly three-quarters of the Copper, fully one-quarter of the Coal and about one-tenth of the Silver, and a share of some other minerals. This high rank has been reached notwithstanding that prospecting of even the most desultory character has been carried out only on a small, almost insignificant, part of the area, and this chiefly in districts lying south of the main line of the Canadian Pacific Railway.

### MINERALS WIDELY DISTRIBUTED THROUGHOUT BRITISH COLUMBIA.

**COAL** occurs in vast quantities. The recently published estimate of a well-known Dominion geologist places the coal content of the various known coal areas of the Province at: Anthracite, 61,000,000 tons; bituminous, 39,674,000,000 tons; lignite, 490,000,000 tons; total, 40,225,000,000 tons. Coal mines are being worked in Southeast Kootenay, Similkameen, Nicola Valley, Vancouver Island, and others are being opened on Queen Charlotte Islands, Skeena River, and other widely-separated parts of the Province.

**GOLD** is also found, practically all over the Province. The largest known Placer Gold fields are in Cariboo and Atlin districts. An official estimate of gold-bearing gravels in Quensen division of Cariboo district is 2,500,000,000 to 3,000,000,000 cubic yards, containing \$300,000,000 worth of gold. Lode Gold is now obtained chiefly from mines in Rossland, Nelson, Boundary, and Similkameen districts. The Coast district gives every promise of also yielding much lode gold when more mining shall be done in it.

**SILVER** in comparatively large quantity comes from Slocan, and Boundary mines. Lardeau, Rossland, Nelson and Coast district mines also produce silver. Much more is expected from mines now being developed in Portland Canal and Observatory Inlet and the Skeena and Omineca districts.

**LEAD** is mined in greater amount in East Kootenay than any other parts, but Slocan, Ainsworth, Nelson and Lardeau mines also produce this metal. Skeena district gives promise of producing lead ore long.

**COPPER** mines in Boundary district are the largest producers of this metal in Canada. Rossland and Coast districts also yield copper. Kamloops and Similkameen are both known to have large deposits of copper ores awaiting utilization.

**ZINC AND IRON** will yet become important contributors to the mineral production of British Columbia, there being much ore containing one or other of these metals, in various parts of the Province.

**OTHER MINERALS** occur, though little has yet been done to utilize them. Among those found are: Cinnabar (Mercury), Pyrites, Scheelite, Molybdenite, Mica, Gypsum, Magnesite, Petroleum, etc.

**REDUCTION WORKS** include Copper and Lead Smelter, Stamp Mills, Silver-Lead and Zinc Concentrating Mills, Electrolytic Lead Refinery, etc. The largest Copper Smelter in the British Empire is that of the Granby Company at Grand Forks. B. C. Smelters and Mills are equipped with modern machinery and metal-saving appliances.

**CAPITAL**—Capital can now find here many excellent opportunities for investment, as the value placed on mines and undeveloped properties has reached a reasonable basis. If proper business care is used, and the experiences of competent men utilized these investments should be safe as well as profitable.

**MINERAL LANDS**—Mineral lands are open to location to any person over 18 years of age, who has obtained a free miner's certificate, and perfect title to lode claims can be easily secured after \$500 worth of work has been done per claim. For information, reports, bulletins, etc., address

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