

THE KELLEY CREEK GOLD MINING AND MILLING COMPANY OF BRITISH COLUMBIA, LIMITED. INCORPORATED UNDER THE LAWS OF BRITISH COLUMBIA.

CAPITAL \$1,000,000, DIVIDED INTO SHARES OF THE PAR VALUE OF \$1.00 EACH. ALL STOCK FULLY PAID-UP AND NON-ASSESSABLE.

President--William Lount, Q.C., M.P., Toronto. Vice-President--Charles H. Waterous, President Waterous Engine Works, Brantford, Ont. Directors--John R. Barber, Georgetown, President Toronto Paper Manufacturing Company; H. J. Finkle, Barrister, Woodstock; Frank McPhillips, Broker, Toronto; J. H. McKeggie, Banker, Barrie; C. S. Douglas, Director Golden Gate Gold Mining Company of British Columbia, Vancouver, B.C. W. Hanson Boorne, Vice-President Smuggler Gold Mining and Milling Company, Limited, Vancouver, B.C. Secretary-Treasurer--F. McPhillips, 1 Toronto Street, Toronto. British Columbia Office--139 Cordova Street, Vancouver, B.C.

PROSPECTUS--The Kelley Creek Gold Mining and Milling Company, of British Columbia, Limited,

Has been formed to take over and work the well-known Big Slide Mine, which is situated on the Fraser River, at the Junction of Kelley Creek, on the slope of Pavilion Mountain, District of Lillooet, British Columbia, and about 35 miles from Ashcroft Station, on the main line of the C.P.R. from which a good stage road runs to Clinton, a few miles from the mine.

Locality of the Mine

The District of Lillooet, in which this property is situated, is famous for rich gold mines, only one of which (the most famous in all British Columbia), the "Golden Eagle," or as it is now known, "The Golden Cache," with its enormous quantities of gold-bearing quartz, running over \$500 to the ton, need be mentioned.

Property

The property consists of three claims, of about 65 acres in extent, for which Crown grants have been obtained, this guaranteeing a perfect title. A vein of gold-bearing quartz, about 42 inches on the surface in width, runs for a distance of 1500 feet, the average assay value of which was found to be about \$21 in gold and \$2.50 in silver to the ton, although individual assays have been obtained going very much higher, and in one place the outcrop of the main vein, assayed by a San Francisco firm, from an average of 100 lbs. of rock gave \$42.50 in gold to the ton.

Ore Body

The body of ore is believed to be PRACTICALLY INEXHAUSTIBLE, as appears from the report of the Gold Commissioner to the Minister of Mines for British Columbia, extracted from which are appended, and also from the report of the Geological Survey of Canada, Vol. VII, 1894, pages 22, 23 and 238. The main vein has been traced round Pavilion Mountain to Grotto Gulch, some two and a half miles away, and experts have stated that from the dip of the strata there is every probability of the three veins remaining in together at no great depth, thus forming one immense body of ore. The outcroppings are plainly visible, and the course of the veins easily traced by the eye.

Development

About 500 feet of tunnels have already been driven on this property, and it has been estimated by competent engineers that from \$1500 to \$2000 expended on additional tunneling, will open up the main ledge.

Water Power

Kelley Creek provides ample power for all purposes. It takes its rise from Kelley Lake, a distance of about four miles away, at a great elevation

above the mine, and any fall up to 1200 or 1400 feet could be made available if necessary at a short distance from the mill. The creek empties into the Fraser River about a hundred yards away.

Timber

There is an abundance of timber for mining purposes for many years to come.

Machinery and Building

The machinery in place consists of a modern ten-stamp mill, one crusher, Paton water wheels, concentrators, bullion furnace and all necessary shafting, pulleys, etc., and an extensive pipe line to water wheels, all of which with the exception of a few connections to the latter, are in thorough order. This machinery cost considerably over THIRTY THOUSAND DOLLARS to install. There are also on the property several buildings, all in first-rate condition and well constructed of lumber, viz.: Three mill houses, furnace house, blacksmith's shop, office, boarding and sleeping houses for the men, etc., all situated in excellent condition for water power and dump.

Process of Extraction

It is proposed to install and adopt the MacArthur-Forrest Cyanide Process for extracting the gold and silver from the ore, a process which has been found by extensive experimental tests, to be eminently suited to this particular kind of ore, and by which an extraction of about 85 per cent. of the actual assay value has been obtained at a cost not exceeding \$1.50 per ton treated. The Kelley Creek ores are first crushed by stamp mills and the free gold extracted, and then treated by the Cyanide Process, which latter the company intend to add to their existing plant immediately. In the Kelley Mines of South Africa the ore, which is treated in the same manner as the Kelley Creek will be rarely exceeds \$12 per ton, and the richest ore mined is about \$25 per ton in value.

Mining and Milling

The cost of mining and milling one ton of ore has been set down at \$3.75. Under favorable conditions, and when in full work, it could be done at very much less, and allowing 50 per ton extra for delivery to the mill from the tunnel, \$2 per ton for cyaniding (in-

cluding royalty), say 25c per ton for contingencies and expenses, our cost is \$4 per ton, and allowing an average value of, say, \$12 per ton, we get a profit over working expenses of \$15 per ton, or taking the capacity of the mill at 25 tons per day, \$375 for the same time, or \$25 per week of six working days net. This is a fair estimate, and in actual practice might be exceeded.

Special Advantages

There are no heavy charges for freight or smelting; everything is done at the mine, and the only cost outside of the legitimate charges for mining and milling will be the charge of extraction of the bullion, as set forth above.

Development Stock

400,000 shares of the stock have been set aside as "Development Stock," the proceeds of the sale of which will be expended by the Directors solely for the purpose of carrying on development work and opening up the ore body (a considerable amount towards which has already been done), also for erecting a Cyanide Plant, building a small aerial tramway, and other necessary work and expenses.

Stock Pooled

The stock held by the original owners has been pooled in the name of Trustee, and cannot be sold AT ANY PRICE until after sufficient development work has been done, and the pooled stock has been disposed of, as in the opinion of the Directors will be sufficient for the opening up of the property, and, in any event, not until 100,000 shares of the development stock have been sold.

Reports on the Property

Copy of letter from W. Pellevé Harvey, Esq., F. C. S., Supt. of Cassel (Cyanide) Gold Extraction Works, Vancouver, B. C., to W. Hanson Boorne, Vancouver, B. C., May 1st, 1895. Dear Sir:--I have carefully tested the sample of Big Slide mine ore handed me by the Cyanide Process, and find that the results are excellent. The total treatment cost per ton should not exceed \$3, and this will give you an extraction of from 80 per cent. to 93 per cent. of assay value. Our extractions were on a small scale, 50.5 per cent. and 95 per cent., the

first after treating 20 hours with a weak solution of cyanide, the second after 24 hours of similar treatment. I confirmed the findings assayed by the line a bullion run of the liquor and recovered 18 dwts., which is equal to 80.5 per cent. of the original assay of 100.1 dwt. gold.

We shall be glad to hear further from you and to make mill run of say, 50 to 100 pounds of ore. Yours faithfully, (Signed) W. PELLEVÉ HARVEY, Supt.

Report on the Big Slide Mine in the Annual Report of the Geological Survey of Canada, 1894.

By Prof. C. M. Dawson, C.M.G., LL.D., F.R.S.

Big Slide Mine

The Big Slide mine is situated on the bank of the Fraser, at the mouth of Kelley stream. This stream falls very rapidly to the Fraser in a steep and rocky gorge, and a good deal of labor was spent in constructing a tramway down this gorge to the mine. The mining operations were chiefly carried on in 1888, when a number of tunnels and drifts were made, and a tail-stamp mill, with concentrator and chlorinating furnace, was erected. All work was, however, suspended in 1891, and it has not since been resumed.

The rocks observed in this locality have already been noticed (p. 93, b.), the vein upon which the work was done is SEVERAL FEET IN THICKNESS, and can be seen in the cliffs for a height of 300 or 400 feet, at least. It runs with considerable regularity on a bearing of S. 45 E., with a north-eastward dip at an angle of about 70 degrees. The material is quartz, containing iron pyrites and a little copper pyrite, and there appears to be no doubt that the ore was treated in considerable quantity. I was informed that difficulty had been found in saving the more valuable parts of the ore by the process of concentration employed, but whether or not this arose from unskillful work in the mill is not known. A specimen of the ore was taken by the surveyor at the time of my visit, in 1889, and was analyzed by the following

Assays of Concentrates

Gold, 0.468 oz. to the ton of 2000 lbs. Silver, 0.833 oz. to the ton of 2000 lbs. The occurrence of the metaiferous vein at this place is pretty evidently in connection with the granite mass of the vicinity (pp. 73 b., 242 b.), and probably resulted from the hydrothermal action set up at the time of its intrusion. Further deposits of a similar kind may occur elsewhere along the same line.

The following extracts have been made from the reports of the MINISTER OF MINES OF BRITISH COLUMBIA with reference to the BIG SLIDE Mine:--

"The great incentive to quartz prospecting in this district during the past season is the opening of the Big Slide Mine, referred to in my reports of the past five years. "The incorporated Company own three claims, each 1500 feet along the line of ledge, commencing at the junction of Kelley Creek with the Fraser River, and running thence S. E. 6500 feet. In the past season the ledge has been traced to Grotto Gulch, on Pavilion Mountain, a distance in all of nearly two and a half miles. Six new claims have been located on it, and preliminary work will be commenced on them at the close of the present laying over season. Before reporting on the work done on the Big Slide Mine now opened, I deemed it advisable to make a personal inspection of the premises, and to that end paid a visit there ten days ago. "The road into the Big Slide Mine diverts from the Clinton-Lillooet road at a point near the 35-mile post, 12 miles from Clinton, and follows the line of the Kelley Creek Canyon a distance of five miles. The construction of this road has cost the Company \$5000.

At the date of my visit the whole of the mill machinery and chlorinating appliances were on the ground at the end of the wagon road, and various uses, and the method to be adopted for the extraction of the precious metals from the ore were clearly explained to me by Mr. Henderson. Since then, I understand, timbers and lumber for the mill and brick for the furnace have been lowered over the tramway at the rate of from 5 to 7 tons daily, and the mill and furnace are now in the lowest or long tunnel, 240 feet in length, and the survey with the following result:

tunnel all ore from the mine will be conveyed to the mill. Active work is now in progress on all three levels, drifting east along the line of ledge by taking out the country rock and leaving the ledge standing until the mill is ready. Upraises from one tunnel to the other are being made, and insuring an abundant supply of pure air in the mine. Mr. Henderson has handed in a report of a mine to me, with list of test assays made by him from different places on the ledge, copies of which I enclose herewith."

Quoting from reports to the Hon. the Minister of Mines in 1891, is this reference to the auriferous value of the ore in the Big Slide ledge:--"Testing the ore on the ground was tried by roasting and then grinding it in an astra of the most primitive nature, with a result of \$12.50 to the ton of 2000 pounds."

With every confidence in the scientific assays that have been made from the Big Slide ledge in San Francisco, New York, London and other places, and also those of Mr. Henderson, I have always placed my faith in the Big Slide ledge on the very crude tests made in 1881 by the Cornish miner John Chennal, and his assistant and quicksilver process. Since then science has demonstrated the fact that the infinitesimally fine gold looked up and saved without the unsatisfactory and expensive aid of astra wheels and quicksilver. The ledge running through the Company's three claims is PRACTICALLY INEXHAUSTIBLE, showing on the surface hundreds of feet below the level of the tunnels, and may extend to unknown depths below that level. Mr. Henderson informs me that it is his intention as soon as the mine is fairly opened to sink down on the ledge, below the level of the lowest tunnel, to determine the width and value of the ledge as it deepens. Up to the present, I understand, the Company have expended nearly \$200,000, which includes the mill on the ground.

I have, etc., F. SQUES, Gold Commissioner. (Signed) To the Hon. John Robson, Minister of Mines, Victoria, B.C.

List of Assays Made by Various Assayers

Surface assay not named, gold \$20.82. Minister of Mines report, 1891, as follows:--

ter roasting treatment of 100 lbs. of surface ore by astra, value recovered \$12.50 per assay. Sulphureta assay, \$25.50. Assays by Geo. Henderson: Front vein, 80 foot tunnel, \$24.00. Main ledge, 80 foot tunnel, \$18.00. Best looking face, 240 foot tunnel, \$9.45. Sample vein, 240 foot tunnel, \$18.00. Sample, new strike, 30 foot tunnel, \$12.75. Sample, new strike, 30 foot tunnel, \$12.75. Sample, best looking, 80 foot tunnel, \$13.67. Sample, poorest, 80 foot tunnel, \$13.67. Upper drift, sky tunnel, \$11.11. Foot wall, 80 foot tunnel, \$11.11. Pyrites, 240 foot tunnel, \$5.12. Fine drift, sky tunnel, \$9.07. Sample, new strike, 30 foot tunnel, \$9.07. New find, five feet thick, \$2.00. New find, three and one-half feet thick, \$2.00. Assay by W. Pellevé Harvey, Vancouver, 18th April, 1895: Gold, 1.021 oz. 1 dwt. 0 grains. Value per ton, \$21.00. Silver, 1.021 oz. Not estimated. Assay made Dec. 11th, 1896, at Pellevé Practical Science, Toronto, Gold, \$146.00.

Special Points for Consideration

Incorporation is under the Imperial Act of 1882, and amending Acts of British Columbia. The charter was issued on the 12th day of November, 1896. Shares sold at a discount are non-assessable and free from personal liability. The Guarantee of Official Reports, viz.: The Minister of Mines of B.C. and the Annual Report of the Geological Survey of Canada, 1894. The shares of the present owners cannot be sold in competition to those offered to the public. The Company will be in a position to have their shares listed on the Toronto Stock Exchange. The Directors are responsible and representative persons. Stock Certificates issued immediately on application. The greater part of the machinery is already in place. It is proposed by the Directors that only a small amount of stock be sold, the balance remaining in the Treasury as a "Contingent Fund," only to be sold in case of necessity, and of which, of course, no dividends would be paid.

The first issue of 100,000 shares of Development stock offered to the public at 15 CENTS, in blocks of not less than 100 shares, and may obtain any of the Company's Brokers, or

FRANK McPHILLIPS, Secretary-Treasurer, 1 Toronto Street, Toronto.

VICTORY TRIUMPH GOLD MINING COMPANY OF BRITISH COLUMBIA, LIMITED. IN THE VICTORY TRIUMPH GOLD MINING COMPANY OF BRITISH COLUMBIA, LIMITED. PROSPECTUS.

The Most Successful Company. Floated in Rossland This Year.

throughout, showing oxide of iron, lead and copper, some iron pyrites, chalcocypite and galena, and carrying, varying, but for surface rock, very satisfactory values in gold, silver and copper, the best returns from samples giving a value of \$19.00 a ton.

A working tunnel which at the time of my examination had been driven 40 feet along the hanging wall of the vein was started with the object of opening the vein under this big outcrop at a vertical depth of 300 feet. This tunnel encountered a body of almost sulphide ore at a depth of 15 feet or so. I sampled this carefully and got an average return of very nearly \$10 per ton. The ore does not carry uniform value. One seam in it assayed 34 ounces in silver, \$4.00 in gold and 4 per cent. copper per ton, another went 19 ounces in silver, \$2.50 in gold and 3 per cent. copper, while other samples went as low as 2 ounces in silver, 2 per cent. copper and a trace of gold.

The Triumph vein, known as the "Copper Ledge," runs north-west and south-east, or very nearly at right angles to the Victory ledge, which it crosses towards the south-east corner of the Triumph ground. At the time I examined the property very little work had been done on this vein. It had been traced through the entire width of the claim and stripped in two places. It had also been traced through the Fortland, an adjoining claim, and opened by surface work in three places. At every point where opened the vein showed good copper ore carrying good values in gold. The outcrop is heavily copper stained shale, quartz, copper pyrites and oxide of copper.

At the point where the most work had been done on the Triumph the vein showed one of the most astonishing copper croppings ever seen. It is not less than 60 feet wide and there is no sign of a wall in that distance. How much further the vein extends could not be determined. The quartz and shale are so heavily stained with copper as to be bright green through and through. Seams of wonderfully rich copper pyrites and oxide of copper come up through the shale. From ore here as high as 25 per cent. copper and \$20 in gold per ton have been obtained. The higher gold values seem to occur in connection with the quartz rather than the copper pyrites. But the ore is so much mixed up on the surface with the shale that accurate sampling was a matter of some difficulty. It is likely to become cleaner and more solid as depth is obtained and every indication is present of a very strong body of copper ore. The value of this will be enormous provided it proves, even approximately, as rich in copper as the surface ore. So far as making a rich mine goes the gold value in this ore might be neglected. The ore under present conditions at Trail Creek will command a substantial premium for smelting purposes on account of its high copper percentage. Some little distance to the south a trap dyke crops out which runs apparently parallel with this vein and the contact with this may form one or other of the walls, but this is only a surmise. Still further south another outcrop of ore has been found, but whether this is another vein running parallel with the Victory Ledge or with the "Copper Ledge" could not be determined.

It will be remarkable if with prudent management and skillful development work this property does not result in making a great mine, or to speak more correctly, two great mines. Both on the Victory and the Triumph the outcrop is very strong, and although sufficient development has not yet been done to justify any estimate of ore in sight, still such surface showings carrying the value they do, indicate very clearly the magnitude and riches of the deposits underneath, and warrant development work on an extensive scale.

Latest Reports from the Mine Where Active Development is in Progress.

Development work to date has shown great improvement on both the "Copper Ledge" and "Victory Vein." On the former, a shaft was started and at a depth of 4 feet the copper-stained shale gave place to clean copper ore which assayed 22 1-10 per cent. copper and \$3.20 gold per ton. Second-class ore went over 15 per cent. copper, and third-class ore over 9 per cent.

At a depth of 8 feet the clean ore ran 30 per cent. copper and the shaft showed a body of pay ore 4 ft. wide. The shaft is now down 15 feet on this rich ore. The Victory tunnel is now in 62 feet. The ore chute expected at 70 feet has been struck and the tunnel shows 3 feet of solid ore in the breast. The whole face is mixed ore. It carries a high copper percentage. For the amount of work done Victory-Triumph has the largest showing of good ore in sight of any property in Trail Creek district.

The stock is certain to steadily progress as the mine improves. Only a small block of Treasury stock on at 10 cents a share. This is subject to raise without notice. MELFORD BOULTON, 30 Jordan St., Toronto.

Outside Agents apply to Melford Boulton.

On the Triumph there is the "Copper Ledge" which has made this claim famous throughout the district. This vein runs across the claim nearly at right angles to the "Victory ledge," which it intersects. It shows an immense surface outcrop of copper ore, from which unusually high assays in copper have been obtained and good values in gold.

On the "Victory ledge," besides a number of open cuts, all of which have disclosed good mineral, there is a working tunnel now 50 feet deep which cuts through a large body of nearly solid ore, giving values which run close to the pay limit.

A shaft is being sunk on the Triumph on the outcrop of rich copper, gold ore, and it is confidently expected that this shaft will disclose a wonderful ore deposit. For more detailed information and description attention is directed to the reports of Frank Moberly, C.E., on the physical characteristics, and D. B. Bogle on the character of the ledges and the value and nature of the ore, which are appended.

EXTRACTS FROM MR. BOGLE'S REPORT.

On the Victory the outcrop of a great fissure vein may be traced through the entire length of the claim. It runs south-east and north-west. It has been opened up at various points on the surface and shows value at every point. The largest outcrop is towards the centre of the claim. There the vein is not less than 20 feet wide within walls. Both the foot and hanging walls are well defined, the former being porphyry and the latter trachite. The outcrop of quartz is well mineralized

A BIG GOLD... Will be Se... TO WAHN... To Make an... and... This is an Ass... (suburb) Co... ing in a S... London (E... of Rainy R... British C... stized in... News... The Mayor of Sudbury... stario Govern... to complete... to the Victo... own itself... enough to s... on the road... Crown-Land... of rangers... mines in the... ST. PATRICK... It appears... laugh on the... burning prop... yesterday... Currie & Co... warmed from... in which on... all day long... who had see... yesterday... would be th... parently sad... from the au... at to give... Capt. Curri... it will be bu... that the peo... The carol... ay night he... by among th... Development... winter, and... for a ton... strong poss... ST. PATRICK... The Contract... Supt. Moyn... mine. Ross... secretary of... main tunnel... by to give... carry on th... on the ledg... immediately... done pay or... a tunnel pro... for a ton... plant or pub... LAK... should take a... Gold... The Lond... editor's... fields of W... strange col... world awak... British Cou... of the Dom... valuable de... ports of di... in the th... Ontario... How well a... promise to... tario, may... of the offic... ed by the D... At the last... summer to... reported to... to strict. The... the results... generally... stered durin... miles. A pe... got all to... able discov... made in a... lored dist... the country... ed, and wh... the motio... now... in the... Rainy Riv... amongst the... country."