

# ROSSLAND WEEKLY MINER.

Per Year \$2.50.

ROSSLAND, B. C., THURSDAY, JANUARY 22, 1903

Eighth Year, Number 13

## MUCH ORE WAS SHIPPED

### Production of Ore in Rossland Attains Substantial Dimensions

### Review of Week's Operations in Big Mines of the Camp.

The Rossland mines piled up a handsome total of ore shipped last week, or rather in the eight days covered by this week's review of mining operations in the camp. The aggregate tonnage for the period specified is 8036 and the total for the month to date 14,057. Unless unforeseen contingencies arise the normal average for some weeks to come should be over the 8000-ton mark, with a probability that further increases will raise the average substantially.

Two new properties are included in the list of producers this week, the Le Roi No. 2 and the Homestake. The former's output consisted of five cars from the Josie and this will be followed by several other consignments. The War Eagle is also being shipped, not necessarily entailing further shipments at once, but it is probable that the date of resumption of shipments on a commercial scale is not far distant. The Homestake's shipments are for test purposes as already explained in the Miner. Should the results be satisfactory the property is in shape to become an important producer without further delay.

#### THE OUTPUT.

Mine	Week Year	Year
Le Roi	8466	6972
Centre Star	2580	3920
War Eagle	1470	2405
Giant	80	170
Velvet	100	90
Kootenay	170	200
Le Roi No. 2	150	150
Homestake	90	150
Totals	8036	14,057

#### AMONG THE MINES.

Rossland-Kootenay.—The operations for the week in this company's properties have been confined to the Kootenay mine, where about thirty-eight men have been employed continuously. Stopping has been suspended on the third level, where sufficient ore has been broken down to make up the company's decision to ship to the Trail smelter for experimental purposes. Of this amount 200 tons has been hauled to the railroad and loaded on cars, while the balance is ready for shipment at the mine and will be teamed to the railroad siding within the next few days. The men who were employed in breaking ore were retained and are now timbering up the slope on the third level. The company has not divulged its plans with respect to the near future, but it is significant that the men have been retained and the present timbering undertaken, the circumstances pointing to a possibility that further shipments will be made in the immediate future. In fact a report has gained credence that a thousand tons of ore will be shipped to Trail under existing circumstances. Application to the company for information on this point elicited the reply that no definite conclusion had been reached, and that the subject was not open for discussion at this juncture. It is understood that every ton of ore shipped during the past fortnight and broken down for shipment in the mine will realize a profit equal to that secured from any ore now being shipped, the lower average values being offset by the extremely high price for treatment secured by the company on account of the excess of iron-sulphides contained in the ore, and from the unusually low costs of production, due to conditions existing at the mine.

In addition to the stopping, which has been suspended, the sixth level of the Kootenay is being extended and progress is being made. The face is now 2340 feet from the portal. The winze from the sixth level is being carried down steadily. It commences at a point 2064 feet from the tunnel, is down 195 feet and is all in ore.

Le Roi No. 2.—In the Josie, operations are confined to the 300 and 600 foot levels, where the drifts under way for several weeks are being pushed ahead steadily. These workings are in ore, and are intended to undercut the ore bodies on which the principal stopes are located. From the manner in which the ore is showing it would seem as if the mine could resume extensive shipments as soon as the management deems the juncture opportune.

At the No. 1 a couple of machines are breaking ore, and a considerable tonnage has been piled up for shipment when the company inaugurates activity in this direction. The ore body now being attacked is described as narrow but carrying high values. White Bear.—Sinking is still under way in the main shaft of the White Bear. The shaft is now about 120 feet below the 700-foot level, where work was started a couple of months ago, and good progress is being made, al-

though the distance accomplished daily is scarcely up to the standard established for the mine last summer owing to the fissure nature of the rock now being encountered. The intention is to sink to the 900-foot level and turn off drifts there to open up the ore bodies encountered on the 700-foot level, but which were found to be somewhat badly disrupted on that level.

Homestake.—Operations at the Homestake during the past week have been devoted to continuing the drifts in the ore bodies from which the trial shipments recorded in the Miner were taken. The effect of this is to increase the ore reserves, and facilitate matters in the event of a decision to ship extensively being arrived at. No definite arrangements for the future will be fixed until the outcome of the trial shipments is in the hands of the management.

War Eagle.—The general plan of development adopted by the management of the War Eagle and in effect for several months past is being proceeded with co-incidentally with the stopping operations. The general principle is the exploitation of the ore bodies in the levels below those already thoroughly opened up.

Centre Star.—The regular line of development mapped out for the Centre Star is being followed as in the case of the War Eagle. Special attention is being devoted to the extension of the exploratory workings on the eastern side of the shaft at considerable depth. The record for the week in connection with this work is simply details as to the number of feet of progress in the various drifts.

Le Roi.—The chronicle of the week's operations at the Le Roi includes a stoppage of one day. On Thursday an accident to one of the cages necessitated the suspension of work for the day, and in consequence the mine will not close this Sunday, although this is change for the shifts and under the decision arrived at by the mine recently would ordinarily have been a holiday.

Stopping in the Black Bear is in full swing and a considerable amount of the ore now being shipped is broken down in this section of the mine.

Development is being carried ahead steadily, the principal feature being the drifting on the 1500 foot level, the deepest workings in the mine. Diamond-drilling is also being carried on, and from time to time the drill in use is transferred to different points in the mine. At present it is being operated on the 1050 foot level toward the foot-wall.

Incidentally it may be said that the men were paid in several of the mines during the week, the aggregate wage roll distributed on the 15th being \$38,000.

## RICH FISHER MAIDEN

### WILL SHIP A THOUSAND TONS OF 150 OUNCE ORE.

### FAVORABLE SMELTING RATES SECURED AT TRAIL PLANT.

The Fisher Maiden mine closed a contract yesterday with the Canadian Smelting Works at Trail for the treatment of the product of the mine this year. Frank Watson, of Spokane, manager of the company, was in the city yesterday after completing arrangements for the handling of the Fisher Maiden ore.

Mr. Watson stated to a representative of The Miner last night that the company would ship a thousand tons of ore this season if rawidging was practicable for a reasonable length of time. Since the snow fell the company has been engaged in bringing down ore to the point of shipment at Silverton, and four cars were now ready for transmission to the smelter. Three cars additional are en route between the mine and Silverton and another two cars are sacked at the mine in readiness for rawidging.

The ore to be shipped from the Fisher Maiden is a high grade silver product, averaging 150 ounces of silver, carrying a maximum of six per cent lead and as high as twelve per cent zinc. The latter is a slight drawback, as it is four units over the maximum established by the smelters without penalties, but the ore secures a particularly favorable rate.

Mr. Watson states that he is thoroughly satisfied with the rate given by the Trail smelter, that this ore nets him as much as it would were the property located in the Coeur d'Alenes and that, best of all, the reductions in freight and treatment charges have been such that in the past four years that Fisher Maiden ore is as profitable today as it was four years ago when silver was selling at sixty-five cents. Lower costs of rawidging and supplies have also tended to secure this desirable result.

Mr. Watson is more deeply impressed than ever with the richness of the Slokan after having seen the returns from four cars of ore from the Hampton mine, which netted over \$1300 per car.

#### THE RAMBLER-CARIBOO.

(Special Cable to The Miner.)

KASLO, B. C., Jan. 20.—The annual report of the Rambler-Cariboo, issued today, states that the mine has about 75,000 tons of ore available on the dump of the present workings, 25 per cent of which is mined and ready to hoist. Since the financial statement issued in June \$20,000 has been expended in new machinery, which is estimated to increase the profits by \$20,000 per month. The present work includes the sinking of a shaft from No. 8 to No. 9 tunnel, and they expect to open level No. 9 by March 1st.

Operations on the Antelope claim are to be commenced early this spring.

## Le Roi's Annual Meeting in London

(Special Cable to The Miner.)

LONDON, Jan. 17.—The annual general meeting of the Le Roi Mining Company took place today at the company's office, Salisbury House. A large number of shareholders were in attendance and considerable enthusiasm was manifested when the gratifying nature of the various reports was made known.

The announcement that during the last eight months of 1902 the mine earned profits of \$578,000 was greeted with every manifestation of satisfaction.

Sir Henry Tyler was re-elected chairman of the company. Anthony J. McMillan was re-elected to the board of directors and appointed managing director. Mr. McMillan is also managing director of the Snowshoe Gold & Copper Mines of Phoenix. George S. Waterlow, who is well known in British Columbia, and who is chairman of the Snowshoe company, was elected a director, C.P. Dickinson retiring from the board.

A lengthy report by John H. Mackenzie, general manager, on the operations of the mine and smelter for the year ending June 30th last, was presented to the meeting and evoked a useful discussion in which several large shareholders participated. The fact that Mr. Mackenzie had determined to retire from the management of the company's interests in Rossland and Northport was commented upon freely, and flattering references to the valuable services rendered by Mr. Mackenzie were mingled with expressions of sincere regret that his services could not be retained for a further period. It was generally agreed that the company would suffer an irreparable loss through the present general manager's withdrawal.

## THE PORTLAND WILL WORK

### If Development on Velvet Is Satisfactory Work to Proceed.

### Property Will Commence in the Immediate Future.

Today the improvements to the hoisting plant at the Velvet mine will be completed and tomorrow the big engine will be in operation again after having been shut down for a couple of months. The occasion is of special interest, inasmuch as it will inaugurate a period of activity unequalled in the annals of the Sophie mountain section, particularly in view of the fact that instead of doing dead and exploratory work exclusively the company will be shipping high grade ore and opening up new ore bodies that will entirely alter the situation with respect to the future of the mine.

Manager William Gray is in the city for a day or two on business in connection with the mine. He states that, with the powerful hoisting apparatus in operation, his plans will be directed toward opening up on the 500-foot level of the Velvet the splendid shoots of ore now being attacked on the 100-foot level. His theory is, of course, that the ore bodies existing with such great strength and regularity in the upper workings will be found to have continued to the lower workings, and he expects, in view of the regular nature of the formation and the clearly defined walls found above, that no difficulty will be encountered in locating the ore below.

Mr. Gray's deductions have been verified to the letter in other respects, and if his opinion as to the presence of rich ore on the 550-foot level proved to be justified by the facts the Velvet will be elevated immediately to a parity with the most important mines of the Rossland district, and Sophie mountain will be a genuine rival to Red mountain for the future.

#### PORTLAND MAY RESUME.

An important feature in connection with the recently opened ore bodies on the 100-foot level of the Velvet is that the vein dips toward the Portland property, adjoining the Velvet and owned by an English company which includes the majority of the shareholders interested in the Velvet. Upon the success of Mr. Gray's operations during the next few weeks depends the policy of the Portland company with regard to

their property. If further success is attained at the Velvet, establishing reasonably the merit of the property, immediate steps will be taken to open up the Portland and inaugurate an active program of development and stopping on a considerable scale, the plan to be followed depending in large measure on the information received as to the strike of ore bodies, etc., obtained in the development of the Velvet. The Portland already has a good showing of copper ore in the upper workings, but only a comparatively small sum of money was expended in actual work, it having been the intention, presumably, of the proprietary company to await the outcome of the work on the Velvet. This is rapidly reaching the juncture where definite information of an extremely satisfactory nature has been elicited, and with this data in hand the Portland people will be fully prepared to proceed on their holdings, thus adding another working mine to the list of Sophie mountain propositions of merit.

#### ENHANCED ACTIVITY.

In the Velvet operations have been confined for some weeks past to the first level, which was as far down as could be reached with safety by the donkey engine employed while the big engine was being reset in cement. It has been possible to employ only a limited number of men under these conditions, but in the immediate future the crew will be considerably strengthened, as operations are to be pushed ahead on the second, third, fourth and fifth levels. Three stopes are opened on the first level and the ore broken down nets handsome returns.

The ore accumulated at the property is being shipped as rapidly as possible while the sleighing is good, and some forty tons are sent daily to Velvet siding for transmission to the Northport smelter.

#### ALTOGETHER IT WOULD SEEM AS IF THE SOPHIE MOUNTAIN MINES MUST HEREAFTER BE FIGURED PROMINENTLY AMONG THE SUBSTANTIAL ASSETS OF THE ROSSLAND MINING DISTRICT.

## ENGLISH CONCERNS

### REPORTS OF ENGLISH MINING AND OTHER COMPANIES.

### RECENT NEWS OF OPERATIONS ON CANADIAN HOLDINGS.

LONDON, Jan. 19.—Recent reports of English companies operating in Canada are given as follows: Canadian Northern Railway.—Gross traffic, as received by cable: For the seven days ending 21st December, 1902, \$42,900; 1901, \$28,300; increase, \$14,600. Aggregate traffic from July 1 to above date—1902, \$1,065,600; 1901, \$817,370; increase, \$248,230. Mileage in operation at above date—1902, 1244; 1901, 828.

The traffic receipts of the White Pass & Yukon Railway company, limited,

## New Policy For Le Roi

(Special Cable to The Miner.)

LONDON, Jan. 19.—The policy of the Le Roi company with respect to the management of the company's business at Rossland and Northport has not yet been made public, but men in close touch with the corporation's affairs state that the position of general manager, now held by John H. Mackenzie, will not be perpetuated after Mr. Mackenzie's resignation, which has been accepted after considerable delay, takes effect.

Report has it that Anthony J. McMillan, elected managing director at the recent annual meeting, will make his permanent headquarters at Rossland and perform the executive duties inherent discharged by the general manager, while the mine and smelter will be under the direction of mining and smelting experts acting under the direction of the managing director, but with wider powers than are now possessed by the present superintendents.

This report is strengthened by the fact that the position of managing director has been established or revived. Hitherto the principal officers of the company have been the chairman of the board in London and the general manager at Rossland.

for the week ending 14th December were \$3800.

Dominion Trust, Limited, was registered on December 23, with a capital of \$75,000 in 21 shares, to acquire the business, assets and liabilities of the Dominion Mining & Development Agency Company, limited (in liquidation).

The Snowshoe Company.—The directors of the Snowshoe company, who have visited the property this year, were able to give a very favorable account of mining conditions in the Boundary district in general, at the meeting in London recently. In regard to the Snowshoe property, it appears to be quite coming up to anticipations. There seems little doubt that unless new customs smelters are built in that district, this company will have to erect their own smelter as the ore tonnage generally is increasing so fast, owing to the great extent of the ore bodies, that smelting accommodation is even now inadequate, and smelter owners will naturally give preference to the output of their own property. The remarks made at the meeting in regard to the question of mine taxation and railway freights, will, it is hoped, receive careful consideration.

London and British Columbia Goldfields.—In a circular to the shareholders the directors state that important negotiations for improving the position of the company are now in progress. In connection with which the chairman has recently visited the United States and Montreal. As it would not be in the interests of the company to hold the general meeting until these negotiations have reached a further stage, it has been decided to postpone the holding of the annual general meeting until as early a date as possible.

Whitewater Mines.—The secretary writes that it has been deemed advisable to make up the company's accounts to the end of last year, and to submit them at a general meeting, to be held as soon as possible after that date. Work at the mine continued until September last, when it became necessary to cease all operations owing to the stopping having overtaken the development. Strong efforts are now being made to obtain legislation for the improvement of the local market conditions, which, if successful, will considerably benefit the company's position. The chairman, Mr. H. W. Foster, has resigned on account of his recent government appointment.

## SNOWSHOE'S RECORD

### THE BOUNDARY MINE'S AFFAIRS DISCUSSED AT ANNUAL GENERAL MEETING.

### OPTIMISTIC FORECAST BY OFFICIALS—SATISFACTORY CONDITIONS EXISTING.

LONDON, Jan. 20.—At the recent annual general meeting of the Snowshoe Gold & Copper Mines, lengthy statements were submitted as to the progress made at the mine, and the tenor of the reports were of a most encouraging nature. The prediction was freely ventured by the speakers that the Snowshoe would be on a dividend-paying basis before the next annual meeting.

The Earl of Chesterfield, chairman of the board, presided. The chair said in opening: "It gives me great pleasure to be able to state today that the development work has been vigorously and successfully prosecuted since we last met together, that large bodies of ore, during development, have been opened up, and that the mine at the present time is shipping some 200 to 250 tons per day, and will very shortly be in a position to ship 500 to 700 tons of ore per day. This can be accomplished when the electric hoist to the main shaft and the new railway spur to the lower tunnel under the railway are finished."

The chair predicted that the equipment necessary to enable the company to ship 15,000 tons per month would be in working order early in the spring. The Canadian Pacific has promised reductions in freight charges when the tonnage is increased, and the directors are looking forward to the abolition of the two per cent mineral tax by the present provincial administration.

George D. Waterlow, deputy chairman, gave a lengthy resume of the company's affairs and of the impressions gained by him when on the ground last summer. He paid a tribute to the meritorious services rendered by Messrs. Astley, Tomlinson, Trevorrow and Banatyne of Phoenix and to the splendid work of Anthony J. McMillan, managing director.

Dr. H. Lewis Jones (one of the directors), said he spent some weeks in British Columbia during last autumn, and lost no opportunity of satisfying himself as to the position of affairs at the mine. He had an abundance of ore, which they had developed in a very economical manner. The great question for them now to consider was the best and cheapest means of smelting and otherwise dealing with this ore. In the neighborhood of the Snowshoe mine the cheapest mining and smelting in the world was being done. While there he had looked very carefully into this whole question, and was satisfied that the company could make a considerable addition to their profits by owning their own smelter. Owing to the self-fluxing nature of the Snowshoe ore, it could be smelted very cheaply, and in all probability if they owned their own reduction works they could make an additional profit of 75 cents of \$1 per ton on their output. It was desirable that any large mine, such as the Snowshoe, should own or control its own smelting works, thus operating the mines and the smelter as a whole, and secure all the profits there were in handling these enormous bodies of ore.

#### PREPARING TO WORK.

### Operations to Commence Shortly on Hungry Man Property.

Active operations will shortly be under way at the Hungry Man property on Rover creek, opposite Slokan Crossing. The property was recently bonded by a New York syndicate represented here by W. W. Hageman.

Lumber is being delivered at Slokan Crossing for the construction of the scow to be used in transferring machinery and supplies across the river. When the plan is necessary to carry on the mining operations mapped out is delivered at the property, a crew of men will be engaged to install the machinery and commence development.

The snowfall in the Slokan Crossing section is much less than in the Rossland neighborhood, so that the matter of starting work is simplified.

St. Stephen Deschamps has gone to East Kootenay on a business trip. He will return in ample time to assume the direction of the carnival sub-committee on snowshoe features.

## ELMORE PLANT CONTEMPLATED

### Oil Process Works Probable in Early Spring.

### Much Interest Manifested—Twenty Samples Tested.

"The results attained with the experimental plant installed to test Rossland ores with the Elmore process of oil concentration are so satisfactory up to the present that I feel sure we will be in shape to commence the erection of a plant on a commercial scale as soon as the weather conditions are propitious. Understand that I make no definite statement on this point, but I am satisfied that the end indicated will be secured without doubt." This is from H. Hayman Claudet, technical representative of the Canadian Ore Concentration company, whose experimental Elmore plant has now been in operation for several weeks. The statement will be read with keen satisfaction by those interested in the utilization of the enormous deposits of "low grade" ores existing in the Rossland camp.

"I am well satisfied with the interest manifested in the Elmore process," continued Mr. Claudet. "The mining men of the district have displayed a willingness to investigate the merits of the system that is sure to bear fruit. We have treated some twenty samples of ore, and have enough work on hand to keep the plant and staff busy for some time even if further samples are not submitted. The process of testing one sample is somewhat lengthy, as you will understand when I state that we frequently make two or three tests of one sample if it is demonstrated that further agitation, for instance, or some other factor in the test might be altered slightly with better results. Almost all the ore brought in for tests carries some free gold and this makes it essential to crush the entire sample, even if it weighs twenty pounds or more, as the sample halves or quarters of the samples of rock is unsatisfactory where it carries any free gold. This naturally increases the labor of crushing, as a fine screen is used. I am now arranging to operate the crushing, as a fine screen is used. I apply the work to some extent of oil, which men are particularly pleased with the simplicity of the apparatus employed and the dry, clean nature of the concentrates secured. It seemed to be generally believed that the concentrate would be very oily, but, as you see, the very reverse is the case, and while there is a trifling amount of oil in the concentrate the amount is not sufficient to be detected by the naked eye."

"I have no explicit permission to give the names of mines which have had samples tested, but I will say that, that all the big mines in the camp have been samples forwarded from the Slokan, Similkameen and other districts. Looking over the test reports I see that in one case, a copper ore containing a trifling amount of silver, we extracted 80 per cent of the copper and 71 per cent of the silver. This is regarded as indicating, so far as can be determined with one test, that the Elmore process could be profitably applied to the treatment of this ore. The percentage of recovery in silver is not all that it might be, but as the ore carried only a trifling amount of silver the low percentage of recovery cuts no figure at all. In another case, a gold-copper ore, we recovered 81 per cent copper and 71 per cent of the gold. In the third test I see recorded, a gold-copper ore was tested and the percentages of recovery were 76 in copper and 83 in gold. A special point in connection with all these tests is that the percentage of recovery is uniformly greater where a plant is in operation than is the case with mere tests."

"For our tests we much prefer ore in lump, as the crushed product is exposed to oxidation and the results secured are not so satisfactory."

Mr. Claudet now has two assistants at the experimental plant on Columbia avenue and the offices have a decidedly busy air.

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January 15, 1903

... a most pleasing and winning, and ably assists her husband in his sweet singing.

THE CITY.—Mr. Nelson, who has been in the local corps of the Salvation Army, leaves with his wife within a few days for the Palouse country, and will take a much needed rest. A farewell service at the next Sunday. His successor is yet to be appointed.

MEETING.—The band, under the command of Major Barrett, held a meeting at the mess rooms and for bugle practices in the future band has several new members larger than ever. At the band decided to organize for the hockey season. As they have challenged the club for a match.

ONE.—The fathers held a brief session the final but one in the annual council of '02. The business was largely to passing minor accounts of the purpose of turning the new council. The assembly of the old council place on Monday morning at 9 o'clock, a statutory meeting.

REN'S BOOK.—Kemble, the distinguished artist, has prepared a sixteen-page book illustrating the "Twin" in various stages. It is very unique and is an entertaining to the average publication. The pictures are in color and the poetry terms that is interesting alike to the young and the old. The book is published by the Bank Company, Montreal. A copy of this work to any of the 2c. to cover postage.

RECITAL.—The recital by Paul Szegedy at the Kinnear's home last evening was most enjoyable. The spaces were comfortably filled by appreciative audience. The arranged a charming program as "Fantasie," "Concerto," "Concerto," "Beriot," "Cavatina," "Fantasie," "Beriot," "Rococo," "Legende," "Bohm," "Berio," "Concerto," "Raff's Cavatina" and "Becker" being exceptionally adapted to showing up the qualities of the old and the young and his skillful manipulation of the piano. Prof. Szegedy is honored with Prof. Szegedy in a manner in which he adapted to showing up the high appreciation of Mrs. Kinnear in placing her home as a place of music lovers of Rossland.

METAL MARKETS.—LONDON, Jan. 13.—Lead 211 5s. YORK, Jan. 13.—Amalgamated 1-8.

## THE STOCK MARKET

In the stock exchange are reported as follows:

Stock	Asked	Bid
Gold	6 1/2	6 1/4
Gold Fields	18 1/2	18 1/4
McKinley (ex-d)	18	16 1/2
Star	36	34 1/2
Maiden	5 1/2	4 1/2
Cariboo	3 1/2	3 1/4
Ke (As. paid)	3	2 1/2
Glory	1 1/2	1 1/4
London	13 1/2	12 1/2
Star (E. K.)	12	10 1/2
Cariboo	29 1/2	28 1/2
Cariboo	35	33 1/2
Ke (As. paid)	6 1/2	6
Ke (As. paid)	16	15 1/2
Ke (As. paid)	4 1/2	4
Ke (As. paid)	6 1/2	6 1/4
Ke (As. paid)	19 1/2	18 1/2
Ke (As. paid)	6 1/2	6 1/4
Ke (As. paid)	2	1 1/2

Star, 1000, 35 1/2-2c; Payne, 1000, Republic, 1500, 6 1/4-4c; Bonanza, 200, 15c; Morrison, 3500, 1c.

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