

ROSSLAND WEEKLY MINER.

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Le Roi, Le Roi No. 2, Velv... upon the success obtained... smelter depends the... of Rossland to a greater ex... is ordinarily recognized. The... is not have the protection of... the coal company's char... Canadian smelters hav... call on Crow's Nest coke, and... Crow's Nest Coal company... much toward assisting the... smelter, the result has not been... Coke is now being de... Northport at \$6.90 per ton... the supply was adequate the... which the values are just a... retained. Only sufficient coke... mining, however, to keep three... in operation, the remaining... the battery being dark. The... of only one-half of the plant... the per ton cost of reduction... vious, and this prevents the... from realizing on those ore... which the values are just a... now a certain standard. This... at fewer men are given em... here, and the standing of the... indirectly prejudiced in the... the investing world, for there... doubt that had the Le Roi... a clean winter's run at the... the spring months would have... been distributed, and the... camp practically rehabilitat... English market.

THE POSTOFFICE.

Reasons for the Amoying De... Over the Opening.

Occupation of the new federal... by the postoffice and customs... seems to be as remote as... may be taken for granted, as... by Robert V. Grigor, that the... months will see the premises... for the purposes intended, but... and exasperating delays that... rurred in the past and which... tuate before the building is put... a painful commentary on the... of expedition in the depart... public works at Ottawa.

The building was turned over... department by Contractor Brad... fall, it was believed that its... on would be only a matter of a... s, instead of which months... pced without any material ad... ings accomplished. Only the... ings were required to render... nises ready for occupation, but... ster was in Europe and in his... no one was apparently seized... authority to order the purchase... . Ultimately tenders were in... the fittings, and the contract... ible been granted ere this. If... sumption is correct the fittings... being manufactured in the east... good work advanced substan... last March, when Contractor... y was in the city arranging... nishing touches to the building... d that in his opinion the build... d be ready for occupation with... ple of months and suggested at... that tenders for the construc... the interior fittings be adver... at once. If such had been de... ings would have been occupied... months ago instead of lying idle... nding, as it does, a mockery... of government buildings. Gov... buildings take, as everybody... just about four times longer in... ing than the buildings put up... at once. This, however, is... n why the local postoffice should... as it stands today.

intendent R. W. Grigor, who has... of the building, states that it... y for occupation about the middle... h and not by July, as estimated... postoffice department. Bids for... of the interior fittings were... pened at Ottawa not later than... er last. Who secured the con... nd when he will start work on the... of the building, is a question... ke answered.

UNION JACK PROPERTY.

and One-Half Feet of Solid... Galena is Encountered.

(Special to The Miner.)

R. B. C., Jan. 20.—The Union... property, owned and operated by... Gold Mining company, was... considered a very promising... y, but the manner in which... ings is coming to the front is... all anticipation. Sunday, in... No. 2, on the queen ledge, a... of 60 feet and 165... four... ad one-half of galena ore... ountered. The ore is remark... its cleanliness and will un... ily give good assays.

company has put in an electric... plant, and it is expected that... time this week their drills will... rated by electricity for the first... success with which this company... is due to a great extent to Su... dent Cameron. Mr. Cameron... practical man and always has the... of the miners to work for him... company intends in the spring to... a sawmill to cut timber for... ent to the Northwest.

George Brum, a miner at the Ymir... was "peppered" in the face, yes... by a premature blast going off... his wounds are exceedingly pain... there is no danger of his eye... being permanently injured. He... ting easily in the Ymir hospital... it is hoped that he will soon be... following his usual occupation.

ON DEER—

her reports from outlying districts... the devastation wrought among... this winter by wolves indicates... the slaughter is greater than for... seasons. The heavy snow keep... er laid, and the wolves attack... at leisure. Trappers are pros... state that the destruction of big... is deplorable.

TO TREAT LOW GRADES

Mining Men Impressed With Merit of New System.

Hunt Method of Cyaniding With Ammonia as Reactionary.

The existence in the workings of the Le Roi mine of large quantities of "low grade" ore has naturally forced the problem of economical recovery of values in such ores upon the attention of the proprietary company. John H. Mackenzie, general manager, has had the matter in hand continuously since assuming his present office, and his reports to the company have from time to time dealt with the subject.

Mr. Mackenzie informs The Miner that in his opinion the Bertram Hunt method of leaching with an ammoniacal cyanide solution presents many excellent features. This was described at some length in a recent article from the pen of Louis Janin, Jr., and impresses Mr. Mackenzie as possessing the merits that will commend it to the Le Roi mine. "I strongly believe that this Hunt system of recovering values from 'low grade' ores will eventually be widely adopted, and that it is eminently suited to the conditions existing in Rossland," says Mr. Mackenzie, referring to the subject in hand.

In a nutshell the Hunt method is a cyaniding process using ammonia, Cyaniding has been the method of application to copper-zinc ores heretofore by reason of the strong affinity of the cyanide solution to the copper constituents of the ore, the result being that the copper values were carried off and lost. This fatal affinity is overcome in the Hunt method by the introduction of ammonia as a reactionary agent, and it is maintained that exhaustive tests have demonstrated the practicability of the system beyond the shadow of reasonable doubt.

ITS NUMEROUS ADVANTAGES.

1. Mr. Janin sums up the advantages of the Hunt method as follows:
 - "1. It brings within the range of cyanide treatment many ores heretofore considered impracticable to treat.
 - "2. In many cases where ores are now being treated its use will result in increased economy through reduction of cyanide consumption.
 - "3. It has the merit of simplicity above the other proposed methods, and simplicity ordinarily means money saving.
 - "4. The cost of the reagents employed is not high when compared with that of cyanide. Part of this may, in some cases, partially be made up by the value of copper extracted.
 - "5. Unlike the acid treatment, calcareous ores are desirable.
 - "6. There is no limitation to the copper contents of the ore, which can be treated economically under ordinary conditions, though with extremely high grade copper ores the plant would have to be built for ammonia recovery."
2. Mr. Janin concludes with the prediction that when greater experience has been had with the process and all details have been worked out, it will come into general use for oxidized copper-gold tailings or ores.
3. Thus another process for the recovery of values from "low grade" ores typical of the Rossland camp is added to the list, with the recommendation of one of the best authorities as a guarantee of its practicability.

GRANBY PROGRESSES

WHAT BIG BOUNDARY ACCOMPLISHED DURING 1902 IN NUTSHELL FORM.

THE BIGGER THINGS PLANNED FOR ENSUING YEAR—LACK OF DIVIDENDS.

The ensuing year is full of the promise of bigger things in all its lines of industry for the Granby Consolidated Mining, Smelting & Power company. This is set forth briefly in a communication received by The Miner in response to a series of queries relating to the company's record and their plans for the immediate future. The information secured, taken with the recent statement by Jay P. Graves, whose name appears as vice-president and general manager of the big corporation, respecting the distribution of Granby dividends prior to the expiration of the first half of this year, will be found of special interest.

"We feel it would not be wise for us to express ourselves definitely on any of the subjects referred to," says the Granby company. "That we have had difficulties everybody is aware, and that we have more or less overcome them is a matter of public knowledge. In a new country like this enterprises such as ours are very seriously handicapped. We trust, however, that as time goes on that many

NO ZINC SMELTER YET

Initial Cost of Plant Precludes Immediate Action.

Silver-Zinc Ores Must Be Forthcoming in Large Quantities.

Reports to the contrary notwithstanding, the Canadian Smelting Works of Trail is not considering the question of establishing a silver-zinc smelter in the immediate future.

This statement emanates without qualification from Walter H. Aldridge, general manager of the Trail works, and his remarks in connection therewith give an interesting light on the question of silver-zinc smelting. The importance given to the exportation of zinc ores from the Slovan of late has probably exaggerated the magnitude of the new aspect of the silver-lead industry, and various problems remain to be solved before a Canadian smelter for the reduction of ores of a zinc base is brought within the realm of the probable. The first drawback to the introduction of zinc base smelting is the enormous outlay incident to the installation of the plant, and the second is the heavy cost of operation once the works are erected.

THE SLOVAN MINES

GENERATIONS NOW MAINTAINED ON A VERY LIMITED SCALE.

AN IMPROVEMENT IN CONDITIONS IS ANXIOUSLY AWAITED.

KASLO, Jan. 26.—Both in business and mining circles the Kaslo-Slovan is quiet. The mines are for the most part only working enough men to keep up development, and to ship the ore on hand, and the mine owners are anxiously waiting the result of the delegation which has just laid before the Dominion government the needs of the industry for its protection and continuance, for it has been unanimously decided by the principal owners that unless the action of the government is favorable they will shut down tight all their properties till such time as may be deemed advisable to reopen.

That the Slovan is even now, at this stage of depression, in the eye of the investing public is daily brought to light by the number of letters of inquiry that are received from capitalists and others in all parts of the world. London, New York, France and Germany are all interested in the silver-lead market, and there is every indication that should conditions improve investors will come in in large numbers to assist in developing and building up the mining industry of the Kootenays.

The city council have authorized Fire Chief Strathairn to purchase a further 500 feet of fire hose in case of emergency, and it is suggested to reduce certain salaries of civic officials, such as the water commissioner and the city treasurer, in order to meet the reduction of the city revenue by the loss of various licenses, which will not be renewed this year.

Colonel Stone was unanimously elected to fill the vacant seat in the council, but it is now understood that he declines to accept, and a further meeting will be held to settle the difficulty.

THE HOMESTAKE.

Another Shipment to the Smelter Will Be Necessary.

The Homestake mine closed down last night. The returns from the recent shipments to the Trail smelter were not such as to justify a continuation of production at this juncture and the future policy of the company is uncertain.

In connection with the situation at the Homestake it may be stated that in shipping the trial consignments no special attempt was made to pick the ore. The run of the vein was broken down and loaded on cars with the idea of determining whether or not it would pay the company to ship the ore in this way. No effort was made to explore the ledge with a view to ascertaining the location of the paystreak and confining stoping thereto. Should operations be resumed it is probable that the working plans would be along this line, and the outcome might be radically different.

It is by no means settled that the Homestake is not to be reopened. The next four or five weeks are likely to see interesting developments, in this connection, and these will be awaited with keen interest.

Unfortunately, the Homestake ore has not proved amenable to locally-made concentration tests, but it is confidently expected that a process will be introduced here shortly by which much better results will be obtained.

IT WILL PAY ALL THOSE WHO ARE INTERESTED IN MINING IN BRITISH COLUMBIA TO SUBSCRIBE TO THE ROSSLAND MINER. IT GIVES ALL THE NEWS ALL THE TIME.

MORE MINES WILL WORK

Prospects Are Bright For Largely Increased Activity in Rossland.

District Properties That Are Likely to Join Working List.

The opening month of the present year will undoubtedly see the resumption of activity at various mines in and adjacent to the Rossland camp, with important increases in working forces and equipment at others. Reduced freight and treatment charges, and the certainty that milling will be an accomplished fact before the properties affected can complete development, will act as a stimulus in this direction, and those who have predicted that 1903 will witness the commencement of a new era in the Rossland district have probably come decidedly close to the mark.

Within the boundaries of the city of Rossland half a dozen mines are likely to join the working list this spring. The list includes the Spitzee, New St. Elmo, Abe Lincoln, Big Four, Robert E. Lee, Gopher and Sunset No. 2.

THE SPITZEE.

As is well known, the Spitzee company has been negotiating for some months to strengthen its treasury, incident to the undertaking of the more expensive work which the property now requires for its further development. The local shareholders have carried the properties past the prospect stage and up to the point where further development necessitates the construction of new headworks and the installation of machinery necessary to hoist from deep workings. On the 100-foot level, which has already been explored, the showing is admirable and the ore shipped from this level netted the company a handsome profit. Reports are not wanting that the efforts toward securing the further capital required to exploit levels have been successful, and that the onward manifestation of this will be in evidence shortly.

THE ABE LINCOLN.

Local directors of the Abe Lincoln have stated that a resumption of activity at that property is assured, and that it is likely to take effect with the early spring. The property is well equipped with plant, and development work can be prosecuted without much further outlay in respect to machinery.

THE NEW ST. ELMO.

The New St. Elmo is controlled by New York people who have the funds to carry on the work of opening up the ore bodies known to exist in the mine. Their suspension of operations last year was probably due to a desire to await the result of the efforts to secure more favorable freight and treatment rates and the successful solution of the problem of concentrating Rossland ores. Both questions are disposed of satisfactorily, and it seems likely that the concern will resume operations here as soon as the weather conditions are propitious. Something over a year ago a New York engineer examined the New St. Elmo for his principals and his report is said to have been quite optimistic. The development workings have not as yet got beneath the principal showing at the top of the claim, but when this point is reached the company will have the advantage of almost 500 feet of backs.

THE SOUTH BELT.

A resumption of activity at the Robert E. Lee, Gopher and Sunset No. 2 depends in large measure upon the results secured at the Homestake. The Lee is in shape to commence operations at short notice, although the principals and his report is said to have been quite optimistic. The development workings have not as yet got beneath the principal showing at the top of the claim, but when this point is reached the company will have the advantage of almost 500 feet of backs.

THE BIG FOUR.

The Big Four is now taking steps to put the treasury in shape to develop its holdings at the west end of the camp, and it will probably be the first on the list to get under way, as weather conditions do not affect the property to the same extent.

BONANZA MINE.

The Bonanza mine will shortly resume work on a large scale on its group of gold mines on St. Thomas mountain. The plans of the company include the extension of the present workings to increase the already large reserves of ore and to open up new ground, and also the erection of a 50-ton mill and concentrating plant as early as the season will permit. The wagon road has not been kept open this winter, as the mine will ship no more ore this year, but will market its product hereafter in the shape of bullion and concentrates.

Under the agreement lately made with the financial agents of the company ample capital will be furnished to carry out their plans and have a substantial surplus of cash on hand for emergencies, besides a large reserve of treasury stock.

The Cascade company, which owns

MORRISON WILL SHIP

Contract Closed Here Yesterday With Boundedary Falls.

Smelter is Earning Profits—Adding to the Plant.

(From Friday's Daily.)

"We have completed a contract with the management of the Morrison mine in Deadwood camp, near Greenwood, whereby that property will ship its entire output to the Boundary Falls smelter as soon as mining can be commenced. I do not know exactly when this will be, but our plant will take all the ore the Morrison can ship, and we will take it as soon as the company can possibly commence producing. It is understood that a considerable amount of ore has been blocked out in the mine, but I have no specific information on this point. The ore carries rather more sulphur than has been deemed advantageous to self-fluxing ores, and possibly this has militated against production on a large scale heretofore."

The foregoing statement is from Albert J. Goodell, general manager of the Boundary Falls smelter, who was in the city yesterday en route to Montreal, where he is to consult with the principals of the Boston & Montana company, and attend to the shipment of machinery ordered for the additions to the Boundary Falls plant.

While in Rossland Mr. Goodell met Frank H. Oliver, of Spokane, manager of the Morrison mine, and completed arrangements for the purchase of the product of the mine. It is understood also that the question of the construction of a siding from the Canadian Pacific main line to the Morrison ore bunkers is being taken up afresh and that it will be carried to completion in the immediate future. The cost of the proposed spur is in the neighborhood of \$3000.

IS EARNING PROFITS.

The Boundary Falls plant is running only one of its two furnaces at the present time, the shortage of coke having affected its operations in common with those of other Boundary reduction works. An assurance of further supplies of coke has been given, however, and after the first of the month the second furnace will probably be blown in. For some weeks the plant has been compelled to draw upon the small reserves of coke which had been accumulated, and the outlook was serious until the promise of larger supplies after February 1st was received.

The machinery for the third furnace is being completed in Spokane and eastern points. In fact, the blowers, etc., ordered in Ontario, should have been shipped this month, but are not yet in transit. When the additions are completed the smelter will handle approximately 900 tons of ore daily.

"Our smelting operations are being conducted at a profit," says Mr. Goodell, "although the margin is small. The light values in Boundary ores necessitate the shaving of costs at every point, and the handling of large tonnages. All these features are important when profits are counted in cents instead of dollars. The addition of one furnace will reduce costs ten cents per ton and the adding of another on top of the two in hand will further reduce the per ton costs by five or six cents, all of which 'helps some.'"

PRICES IN LONDON

THE LATEST QUOTATIONS FOR PROMINENT B. C. MINING STOCKS.

MARKET DULL, BUT LIKELY TO IMPROVE—LE ROI MEETING.

(Cabled to The Miner.)

LONDON, Jan. 27.—In the British Columbia section of the stock exchange today quotations on Rossland shares were as follows:

Le Roi £1 12s 6d
Le Roi No. 2 16s 3d
Rossland-Kootenay 7s 6d
Velvet 11s 3d

The market was generally dull for B. C.'s and trading considerably restricted. Le Roi is stationary, while Le Roi No. 2's are a trifle lower. Rossland-Kootenay show a drop from the former price, which was 8 to 9 shillings, and Velvets recently sold at 12s. 6d. The entire London market is flat. South African are not moving, but an improvement is expected in British Columbia at an early date.

Much interest is manifested in the meeting of the Le Roi company next Saturday. Plans will then be announced as to the management of the Le Roi mine and Northport smelter and the question as to the new manager will probably be decided also. It is expected further that the directors will outline at some length the working policy of the company for the immediate future.

"These two movements are totally distinct, but in no way antagonistic. I cordially support the second movement, and have gone so far as to place the data which I have accumulated during the past two months entirely at the service of those who have initiated it. I believe a public appeal will be made for subscriptions, but I have nothing at all to do with this."

HAS EVIDENCE OF FRAUD.

London & Globe Shareholder Declares He Found Frauds in Balance Sheets.

Discussing the proposed prosecution of London & Globe directors, the B. C. Review says:

"Efforts are still being made to bring about a prosecution of the directors of the London & Globe Finance corporation, and recently John Fowler, of No. 1 Angel Court, Throgmorton street, made the following statement on the subject:

"On the 15th of July, 1901, I discovered frauds in the balance sheets of the London & Globe dated December 5, 1900. I brought this to the notice of the public prosecutor, and after correspondence I was informed that the proper step was to procure a compulsory winding up order. The London & Globe then being in voluntary liquidation. Through the public-spirited action of S. G. Shead, a member of the stock exchange, who guaranteed the expenses a compulsory order was obtained. The public examination of the directors followed, and the frauds which I had drawn attention were more fully borne out by the observations of Mr. Barnes. I renewed my application to the public prosecutor, and was informed after long delay that it was not a case for public prosecution. I thereupon prepared evidence for an application to the high court under section 157 of the companies' act, 1882, which empowers any person to apply to the court to order the liquidator to prosecute at the cost of the assets of the corporation.

"The evidence is now in the hands of Horace Avory, whose opinion I expect to get in the course of the next few days.

"Meantime another movement has been started with the object of bringing about a private prosecution of Whittaker Wright, the cost of which would probably amount to something less than £5000. A committee is being formed with the object of securing a guarantee of the necessary expenses.

"These two movements are totally distinct, but in no way antagonistic. I cordially support the second movement, and have gone so far as to place the data which I have accumulated during the past two months entirely at the service of those who have initiated it. I believe a public appeal will be made for subscriptions, but I have nothing at all to do with this."