

ROSSLAND WEEKLY MINER.

Two Dollars a Year. ROSSLAND, B. C., THURSDAY, NOVEMBER 30, 1899. Fourth Year, Number 40

TAMARAC MEETING

Superintendent's Report Shows Good Condition of Mine.

20,000 TONS OF ORE IN SIGHT

It Averages \$13 to the Ton—The Company Has Ample Funds on Hand With Which to Carry on Development, and is in a Prosperous Condition.

A special general meeting of the shareholders of the Kenneth Mining & Development company was held at the offices of the company in this city yesterday afternoon. The meeting was well attended. Mr. Reini W. MacFarlane, superintendent of the company's property, presented a main and supplementary report to the meeting, showing the excellent condition of the property. The first was intended for a meeting which was to have been held on November 7th, but which was adjourned until yesterday. The supplementary report relates to important developments which have been made in the Tamarac since the first was made. The main report is as follows:

Tamarac mine annual report of superintendent: About the 10th of November, 1898, at the time when the writer became the company's servant in the capacity of superintendent, the engine house was almost completed and the hoisting engine partly erected. This work was finished under the writer's supervision. Foundations were excavated and the head-gear erected. A No. 3 Northey-Cameron pump was then installed to unwater the mine, when it became necessary to grade the shaft throughout to enable the cars to be hauled with safety.

From a careful examination of the shaft it was considered advisable to do some exploratory work in the shape of crosscuts upon the west side. These were four in number, varying from 10 to 27 feet in length and in every case encountered fine bodies of mineral. Two average samples across a section of five feet of the vein in crosscut No. 4 yielded \$10 and \$18 in gold to the ton respectively.

A crosscut 20 feet long to win the vein, was then completed from the bottom of the shaft (385 feet deep, measured on the incline). Drifting was then commenced in a northerly and southerly direction to follow the vein. The north drift has been driven a total distance of 340 feet to date and some fine chutes of ore have been encountered, particularly one extending for 160 feet, and varying from one to six feet in width. Average sample across the full width of the vein ran from \$5 to \$14, while the clean ore returned from \$12 to \$16 per ton.

The south drift was driven 59 feet, when it was deemed advisable to discontinue work until a survey was completed, to ascertain the most advantageous position for an adit level to connect the underground workings with the surface. This survey was made and the adit has recently been completed of a total length of 248 feet and eight inches. It is perhaps hardly necessary to enlarge upon the advantages gained by this work, but it may be pointed out that it will effect a great saving, as it will obviate the necessity for pumping and hoisting, and further, will considerably improve the ventilation of the workings.

In driving the vein, lead matter and ore was twice encountered, which it was proposed to immediately explore by means of crosscuts. A sample from the portion of the vein exposed near the dyke intersected by the adit, returned \$24 in gold per ton.

A prospecting tunnel has been driven for 106 feet, under what is known as the north shaft. Two small veins have been crosscut, and a number of stringers were traversed, but for the present this work has been discontinued.

The actual cost of labor and materials (including foreman) varied between \$5.50 and \$12 per lineal foot of work done, the higher figures being accounted for by the trouble with water, but in the main the cost can be fairly estimated at about \$8 per foot. From this it can be seen that under favorable conditions, that is to say, with a fair gang of men, the mine is capable of being very economically developed.

It has been roughly estimated that the quantity of ore at present in backs above the drifts amounts to about 11,000 tons, while over 1,000 tons of ore are now on the dump.

of the utmost importance. It will be noticed by reference to the foregoing report that an allusion is made to lead matter, and ore which was encountered in driving the adit lately completed. The exploratory work which has been conducted since on the lines suggested in the report consists of the following crosscuts:

At a point 110 feet from the mouth of the adit, a crosscut 14 feet 6 inches in length was driven traversing the vein, showing the dip of the lead to be somewhat flat with a width of 4 feet 6 inches. Average samples taken from both sides of the crosscut returned \$12 gold.

At 230 feet from the mouth of the adit a second crosscut has been driven a total distance of 10 feet 6 inches and a body of fine looking ore was encountered 4 feet 6 inches wide. An average sample yielded \$14.50 gold.

It was then thought advisable to further exploit the vein and to take advantage of the soft ground afforded by the dyke intersected by the adit, firstly to ascertain the relationship between this dyke and the vein, and secondly with a view to the immediate future of exploiting further the vein at greater depths by sinking a winze in this easy ground. Drifting in the dyke has been maintained for a distance of 35 feet, which demonstrated the fact that the dyke actually cuts clean through the vein which is visible on either side. A sample taken from the northeast side of this drift yielded a return of \$20 gold, while a similar sample from the southwest side returned \$18 gold values, which the writer considers satisfactory.

The recent and important developments, together with the work done in the north drift indicate the continuity of a chute of ore varying in width from 1 to 6 feet, extending over a total distance of about 330 feet.

After weighing the above considerations the writer has come to the conclusion that a slight modification in the plan of development already suggested for the ensuing year might with advantage be made, and that instead of sinking at the site suggested, sinking should be prosecuted on the dyke, drifting and crosscutting being resorted to from time to time to prove the vein at greater depths, when arrangements could be made to develop the vein at the 100-foot and 200-foot levels respectively.

Regarding a method of treatment of the ore, full investigation is now being made into the whole question, and it is expected that a satisfactory conclusion will shortly be arrived at.

REINZI W. MACFARLANE,
Ymir, Nov. 25th, 1899.

Statements made by the directors show that up to the present there are 20,000 tons of ore on the dump and in backs above the drift, averaging \$13 per ton. When the work contemplated during the coming winter has been carried out, it is confidently expected that the amount of ore in sight will be double the above quantity. A statement of the financial position of the company was also submitted showing that ample funds were in hand for necessary development. The following directors were elected for the ensuing year:

WORK ON THE IRON COLT.

It is to be resumed on Friday After a Long Shutdown.

Work on the Iron Colt is to be resumed on Friday. Mr. Alexander Sharp, who is now superintendent for the Boundary Creek Mining & Milling company at Deadwood camp, is to be in charge of the operations. The Iron Colt has been shut down practically for 22 months, with the exception of a little work that was done last winter. The company was recently reorganized and made assessable up to 25 cents. The assessments can be levied at the rate of two and a half cents a share every four months after 30 days' notice to the stockholders. One of these assessments is now being collected, and this will give the company \$25,000 for developing the property. Everything is in readiness for resuming work. There is a five-drill compressor with drills and a 15-horse power hoist. The present development consists of a tunnel of about 1,200 feet, and about 150 feet of drifting.

The O. K. mine and mill has passed into the hands of the Old National Bank of Spokane. A deed to the property was yesterday delivered to the representative of the Old National Bank. The latter had purchased the property for \$50,000. The old O. K. company owed the Old National Bank the sum of \$35,000, and it was the heaviest creditor of the O. K. company. The recent finds made in the I. X. L. have added value to the O. K. It is the opinion of mining men that a little careful development work in the O. K. will reveal that it has pay ore chutes similar to those now being brought to light in the I. X. L. There was a report current yesterday that operations were to be resumed immediately on the O. K., but it could not be traced to a reliable source.

Friction between Church and State has been increasing of late in Italy. The Archbishop of Sorrento recently reprimanded publicly a priest of Vicu Equense for urging the young people of his parish to take for their motto, "Religion, Italy and the House of Savoy." Thereupon the minister of Public Worship stopped the salary paid by the State to the Archbishop. Cardinal Celesia, Archbishop of Palermo, has suspended a priest for praising Italian unity and the work of Crispi.

BURNT BASIN CAMP

The Properties There are Showing up Very Well

DESCRIPTION OF MOTHER LODE

What Had Been Done Upon This Property—The Unexpected is a Claim of Considerable Promise—The Solid Gold and Other Claims of That Section.

A visit to the Burnt Basin camp brought to light the following facts regarding its mines, which are nearly all owned and controlled by Rosslanders. For surface showings this camp would be hard to beat and it would behoove Rosslanders to keep their eyes upon it, if they do not wish to see some "big fortunes" go from there.

The Mother Lode.—This property consists of the Mother Lode, Ajax and Daly mineral claims. Most of the development so far has been done on the former, but some good ledges have been struck also on the two latter. No. 1 lead, or what is better known as the "Free Gold Lode," consists of two parallel veins of quartz 26 feet apart, varying in width from four to seven feet. From these veins assays can be got from one dollar to as high as two thousand dollars. A foot and a half of this ore lying next to the foot wall is extra rich, and from this streak it is hardly possible to break a piece of without encountering free gold, visible to the naked eye. The remainder of the vein will average a good deal more than paying values. Both veins have the same character of ore, with the same rich streak next to the foot wall. On the lower lead a shaft was sunk, then a crosscut run to tap the upper which cut through it at a depth of 100 feet, the vein at this level being five feet wide, the values being similar to the surface croppings. This lead, on the surface, has been stripped about 150 feet, with no indications of a chute alone and a very conservative estimate will give the following results, of what is actually in sight: One hundred and fifty feet long, 100 feet deep and say an average of three feet in width, is equal to 45,000 cubic feet, allow nine cubic feet to the ton and we have 5,000 tons of ore; say it will average \$30, which no doubt, is under the mark, and that will give \$150,000 worth of ore in sight. Providing the length, width and depth hold out, every 10 feet now sunk on this vein will add a value of \$15,000 to it. Lead No. 2 has had very little work done on it, besides surface stripping. It has been traced by open cuts a distance of over four hundred feet, the width varying from four to eight feet. The average value of this vein are \$15, increasing as depth is gained. This property is controlled by Rosslander men of good standing, sound business and good judgment, and at no time have they offered treasury stock for sale for more than was actually in sight at the time. It is now closed down, but is expected to resume work again in a short while.

The Unexpected adjoins the famous Mother Lode, and is now owned by the Unexpected Mines, limited, a new company just incorporated, at the head of which is George C. Hinton of the firm of George C. Hinton & Co., electrical engineers, Vancouver and Victoria; the other owners being J. D. McDonald, the Jackson Brothers and Mr. Shiek, all of Rosslander. This is one of the most promising undeveloped properties in the camp. There are three large, strong ledges known to run through it. No. 1 having a large open cut, showing 14 feet, with neither veins in sight, of a heavy miner's vein. On No. 2 lead a shaft has been sunk 15 feet, the ore containing iron, copper, silver and lead, with a little gold. A great improvement is easily seen in the character of this ore as depth was gained. The outcroppings prove this vein to be at least 25 feet wide and can be traced for over two hundred feet. Lead No. 3 has been uncovered about 100 feet, with a large open cut at one end, showing a strong vein from four to six feet wide. It is the intention of the company to let a contract for the winter, to sink to a depth of 50 or 75 feet on No. 2 lead. This property lies within 1,200 feet of the Columbia & Western railway, and owing to the topography of the country, it would not cost more than 10 cents a ton to place it on the cars.

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and associates of Rosslander. Development work on this property was resumed about six weeks ago, since when a large vein of free milling quartz has been uncovered, varying from 10 to 14 feet wide. On this claim there are outcroppings of nine different leads, and a tunnel has been started which will connect them all, one of which is free milling ore, and the others iron, gold-copper and galena. It is the intention of the owners to keep at it steadily until all are cut through.

The Gold King is owned by A. Gowing, Geo. Owens and others of Rosslander, which lies between Cooper's Stricken Age and the Ennismore. The latest strike in the camp was made on this claim. A ledge of free milling quartz, fully 10 feet wide, was uncovered, a quantity of which was brought into Rosslander, the free gold being plainly visible to the naked eye. Owing to the lateness of the season the owners intend to let it remain until spring, then open it up in good shape.

The Kitty group is owned by Judge Townsend, Fredericks and others of Rosslander, and comprises the Kitty, Aldine, Tunnel, Auguste, Stalberg and Newcastle. The first three adjoin the Unexpected and Mother Lode groups. On the Kitty, Stalberg and Newcastle they have splendid showings of quartz, iron and copper carrying good values in gold.

North Basin is about one mile north of the Mother Lode, where Tom Kellar and others have made some good strikes within the last two months. On one claim belonging to Bellgrove and Cameron, a vein of quartz, iron and copper has been cut across for 35 feet. At a depth of two feet, six feet gave assay returns of \$29.50 in gold, silver and copper.

The Belt.—The mineral belt of the camp is about two miles wide, and runs in a north northerly direction, with large porphyritic and dolomite lime dykes coursing through it. Nearly all of the base ore being found bursting through alongside or in-banding the lime dykes. The free gold veins, striking nearly due east and west, or at right angles from the porphyritic dykes, which leads one to surmise that the largest bodies of the free gold quartz will be found under said dykes when depth is gained.

THE DEER PARK.

Irish of Water Causes Abandonment of Work on the Shaft.

Owing to the great rush of water, most of which comes from the surface, into the new shaft of the Deer Park, thus causing slow and expensive work in sinking, the management has shut it down altogether, pending an arrangement to have it sunk by contract. The force in the south drift has been increased to three eight-hour shifts, and work will be pushed forward with all possible speed until the drift comes directly under the new shaft, when an apraise will be started to connect with the new shaft, and at the same time the south drift will be continued. The breast of the drift is now only 80 feet away from the new find, and is becoming more mineralized. The work done thus far on the new find has proved up a large body of low grade ore, carrying good copper values, and scattered through this are small quantities of high grade ore, which assays as high as \$30 to the ton, and containing as high as 6 1/2 per cent copper. It is, therefore, a reasonable expectation that further exploitation will reveal much larger shoots of high grade ore. The property is now fully equipped with all machinery, supplies, etc., for the winter. The financial condition of the company is excellent, the largest shareholders having confidence in its future, and there is no fear of any lack of funds for development purposes for some time to come. Owing to the proximity of the south drift to the find, some interesting developments may be looked for at any time.

A PROMISING SECTION.

The Latest News of the Mining Properties of Burnt Basin.

The Burnt Basin section is coming to the front, and from the number of leads of good ore that are being found there, it would seem that it has a future of no small importance before it. Mr. A. Gowing is interested in the Gold King, which is a promising prospect adjoining the properties owned by Mr. Cooper. Among the latter is the Jenny Lind, which has a shaft 13 feet deep, in which is a ledge of galena of high grade that is three and a half feet wide. Mr. Gowing reports that the Ennismore is looking well, and that so far nine ledges have been found upon it. Mr. Gowing brought some rock from the Harlem claim. A shaft has been sunk on the ledge of this property to a depth of 10 feet, and an ore body from six to seven feet in width has been found. This ore from the bottom of the shaft assays \$29.52 in gold silver and copper. Some of the ore from this property has been placed in the window of the Miner office. On the Gold King, the property in which Mr. Gowing is interested, the ledge has been crosscut and some fine looking ore has been met. Samples of this ore are on exhibition in The Miner window. The ore is similar in character to that found in the Mother Lode and the Ennismore. Mr. T. Keller is making good progress with the work on the Mystery property. In the drift the ore is improving. The John Bull property is showing up well with development, and apparently has it in the making a mine. Mr. E. J. Bellegrave owns two claims near Gladstone, and will start work on them in a few days. There was a slight fall of snow in Burnt Basin a few days since, but it has all disappeared. It is anticipated that that there will be a rush into this section in the spring, as it is turning out so well.

The Black Bear Hoist is Here.

The 300-horse power engine hoist for the Black Bear is now on the ground. It will be placed in position as soon as an excavation chamber has been cut out for it in the tunnel.

THE STOCK MARKET

The Sales for the Past Week Aggregated 487,300 Shares.

GIANT HAS BEEN VERY ACTIVE

I. X. L. Has Been a Good Seller—Its Price is Rising—Tamarac is Stiffer Than it Has Been and is Going up—Rosslander is Investing Heavily.

The business on the local board for the week ending yesterday was larger than for the previous week. The investors here can be relied upon to absorb a large number of shares and the sales here are now much larger than they are in either Montreal or Toronto. Take the sales of yesterday in both these places and compare them with those of today and it will convince anyone that this is so. There were days during the past week when the sales in Toronto and Montreal were smaller than they were yesterday. At present Rosslander is purchasing largely in the east, while they are buying but little from us. The sales for the week which ended yesterday were 487,300 shares against 380,500 for the week before last. The sales for the past week by days were as follows:

Thursday	79,500
Friday	115,000
Saturday	92,500
Monday	44,500
Tuesday	86,000
Wednesday	69,800
Total	487,300

From these figures it will be seen that the sales for the past week were 106,800 larger than they were for the week before last. This is a large increase and the outlook is for a good business during the coming week. A glance at the sales will reveal that Giant has led the procession during the past week, the sales of it being much greater than of any other stock on the list. Giant sold as high as 10 1/2 cents on Saturday last, but is falling some and yesterday there were 26,000 shares sold at from 9 to 9 1/2 cents. The syndicate in control of the Giant is putting in a four-drill compressor plant and this is to be succeeded later on by a 10-drill compressor plant. Work is to be pushed with energy and if the Giant is a mine the fact will be demonstrated within the next few months.

Brandon & Golden Crown is not very active at present and on the local board yesterday 27 1/2 was bid and 28 1/2 asked for it. Deer Park is rather dull and on the local board yesterday 1 1/2 was bid for it and 2 cents asked. Work continues in the drift, which is nearing the shaft. There is considerable inquiry for Evening Star, owing to the reorganization which is now in progress. There have been sales at from 8 to 9 cents. The new company is to be made assessable. Heather Bell is being inquired for since the resumption of work upon it, and is worth about 7 cents. There is a good showing of ore upon this property. Iron Colt has been inquired for during the past two days, or since the announcement was made that work is to be resumed tomorrow. The first assessment of 2 1/2 cents a share is coming in and this will enable the company to do considerable work.

I. X. L. has been one of the favorites of investors during the past week. It has stiffened some during the week and yesterday there were 11,000 shares sold at from 18 to 19 cents. King is popular and it has been handled considerably. It was weak in the early part of the week and is now strengthening, and yesterday there were 4,000 sold for from 29 to 29 1/2 cents. The King company will in a short time begin to make shipments.

The fact that a spur is being built to the property of the Monte Christo company and that operations upon it are to be resumed after a shut down of 13 months is reviving the interest in the shares of the company. There is a lot of ore in the Monte Christo that runs from \$6 to \$12 and it is calculated that this can be mined, transported and milled at a profit. Anyhow the attempt is about to be made.

Morrison is rather weak and yesterday on the board 14 was asked and 9 bid for it. There have been some sales of Pay Ore (treasury) at 2 1/2 cents. Tamarac is in increased demand on the good reports which have been published concerning the condition of the mine. There were sales yesterday to the extent of 10,000 shares and the price ranged from 10 1/2 to 11 cents. Virginia is a little firmer than it has been and yesterday on the board 7 1/2 cents was asked and 5 cents bid for it. Waterloo is stiff in anticipation of the forthcoming clean-up. On the board yesterday 14 was asked and 13 bid for it. There have been sales recently at 13 1/2 cents. Winnipeg is a good seller and is a little stiffer if anything than it has been. There were 3,300 sold yesterday at from 30 to 31 1/2 cents. Okanogan is firmer than it has been and there have been sales at from 10 to 10 1/2 cents. Yesterday there was a sale of 2,000 shares at 10 cents. During the past five days 40,000 shares of Unexpected have been sold at 3 cents. Moiner Lode is being inquired for in the past week 10,000 shares were disposed of at 10 cents.

Appended are the official quotations for yesterday of the Rosslander Mining and Stock Exchange.

ASKED	BID
Alhambra	37 1/2
Baltimore	23 1/2
Brantford	23 1/2
Big Three	14
Cariboo (Camp McKinney)	11 1/2
Canadian Gold Fields	8 1/2
Crows Nest Pass Coal	59 50
Dundee	15 1/2
Deer Park, new	2 1/2
Deer Trail No. 2	9
Evening Star	29
FS mount	12 1/2
Giant	10 1/2
Homestake	3 1/2

Iron Mash	7 1/2	56
Iron Colt	5	3
Iron Horse	19	18
X. L.	19	36
Jim Blaine	9	36
Jumbo	24	36
King	29	36
Knob Hill	20	30
Lone Pine	21 1/2	11 1/2
Monte Christo	12	8 1/2
Montreal Gold Fields	12	8 1/2
Monte Christo	12	8 1/2
Morrison	14	9
Noble	14	9
Northern Belle	24	1 1/2
Okanogan	10 1/2	10 1/2
Old Ironsides	12	10 1/2
Palmer Mountain	27	5
Peoria Mines	24	8 1/2
Princess Margaret	14	7 1/2
Rathburn	8 1/2	7 1/2
Rambler-Cariboo	18	3 1/2
Republic	6	3 1/2
St. Elmo Consolidated	6	3 1/2
Smuggler	13	10 1/2
Tamarac (Kenseth)	7 1/2	5
Trail Creek Hidden Treasure	7 1/2	5
Van And	2 1/2	4
Virginia	7 1/2	5
Victory-Triumph	6	4 1/2
Wonderful	10	13 1/2
War Eagle Consolidated	7 1/2	2 1/2
White Bear	4	3 1/2
Waterloo	13 1/2	10 1/2
Winnipeg	31 1/2	30 1/2

Thursday's Sales.

Giant, 1,500 at 7 3/4c, 2,000, 2,000 at 8c, 9,000 at 8 1/2c, 3,000, 5,000 at 9c, 2,400 at 9 1/4c, 1,000 at 9 1/2c, 1,000 at 9 1/4c, 1,000 at 9c, 1,000 at 8 3/4c, 1,000 at 8 3/4c; Tamarac, 500, 1,000 at 9 1/2c, 1,000 at 9 3/4c; Lone Pine, 500 at 22c; Katie D. Green, 9,000 at 7 1/2c; Deer Park, 2,500 at 3c; I. X. L., 1,000 at 18c, 1,500 at 17 1/2c, 5,000 at 17 1/2c, 2,000 at 17c, 1,000 at 17 1/4c; Jumbo, 1,000 at 24c; King, 1,000, 1,000 at 29 1/2c; White Bear, 10,000 at 3 1/2c; Canadian Gold Fields, 5,000 at 8c; Okanogan, 3,000 at 10 1/4c; Winnipeg, 2,000 at 30 1/2c, 500 at 29 1/2c, 500 at 29c; Evening Star, 500 at 7 3/4c.

Friday's Sales.

Giant, 2,000 at 10c, 1,000 at 10 1/2c, 300 at 10 1/4c, 3,000 at 9 3/4c, 600, 500 at 10c, 2,000 at 10c, 2,500 at 9 3/4c, 13,800 at 10c, 2,000 at 9 1/2c, 1,000 at 10c; Evening Star, 2,000 at 8 3/4c; King, 1,000 at 28c, 2,500 at 29c, 5,000 at 28 1/2c; Virginia, 1,500 at 5c; Richelieu, 1,500 at 12 1/2c; Winnipeg, 7,500 at 30 1/2c, 7,500 at 30 3/4c, 1,000 at 29c, 1,000 at 29 1/2c, 1,000 at 30c, 1,000 at 31c; White Bear, 10,000 at 3 3/4c; I. X. L., 2,000 at 17c, 2,000 at 17 1/4c, 3,000 at 17c, 2,000 at 17 1/4c, 4,000 at 10 1/2c; Okanogan, 2,000 at 10 3/4c, 2,000 at 10 1/2c, 2,000 at 10c, 10,000 at 10c; Canadian Gold Fields, 2,500, 10,000 at 8 3/4c.

Saturday's Sales.

Okanogan, 5,000, 2,000 at 10 3/4c, 2,000, 1,000 at 10c, 2,000 at 10 1/4c; White Bear, 10,000, 5,000 at 3 1/2c; Virginia, 1,500 at 6c; Morrison, 500 at 12c; Winnipeg, 1,000 at 21c, 2,400 at 9 1/2c; Giant, 2,000, 4,000, 5,000 at 9 1/2c, 2,000 at 9

THEY ARE WELL PAID

The Salaries Received by the Leading Mining Men.

FROM \$5000 TO \$50,000 PER YEAR

Major Collins, British America Corporation, Receives More Money for His Time Than Any Mining Engineer in the Dominion of Canada.

The mining business should be an alluring one for young men to embark in, as those on the top are better paid than are most professional men.

Major Collins looks after the subsidiary companies of the B. A. C. in various parts of the world as well as here.

Mr. Walter H. Aldridge, manager of the Canadian Smelting Works at Trail, is paid \$15,000 a year for looking after the interests of that institution.

Mr. James Breen, who built the smelters at Trail and at Northport, and who is the manager of the latter, receives a salary of \$15,000 per annum and one-fourth of the profits.

Mr. H. C. Bellinger, who is the chief lieutenant of Mr. Breen at the Northport smelter, receives \$10,000 per annum.

Mr. W. B. Wilson, the superintendent of the Le Roi, is a miner of 30 years experience in Colorado and receives \$5,000 a year for his services.

Mr. Frank Robinson, who is the general manager of Mann & McKenzie's mining properties in Canada, is paid \$7,500 a year.

Mr. George Hughes, who is in charge of the famous Idaho mine in the Slocan, is paid \$10,000 per annum and as part owner in the property receives a profit in that capacity.

Mr. W. Y. Williams, who is general manager for the syndicate which owns the Mascot and the California in this camp, and the Knob Hill and Old Ironsides and other properties in the Boundary country, receives for his services \$5,000 a year.

There are the mining experts who do not usually work for a salary, but who examine properties for clients. Their fees for examination and report run from \$500 to \$1,000 and more.

ARE SLAUGHTERED IN CALGARY

WHERE CATTLE SHEEP AND HOGS ARE KILLED.

This Will Be the Future Supply Point for the Kootenays—How the Cattle Are Killed and Dressed.

The firm of P. Burns & Co. has just completed a large abattoir at Calgary, where in future the cattle intended for supplying Rossland and other Kootenay points with fresh meats will be slaughtered.

At an appointed signal five of the great beasts were driven from the corral through a chute until each one found himself isolated in a pen just large enough to contain him, and high enough to prevent him getting out.

Mr. Wilson was seen at the private hospital last evening and said he was accustomed to broken bones, and had it not been for the fact that Mrs. Senior, Coulter and Campbell had been so successful in the case of Mr. Carlyle that he would have taken a special train and gone to Denver to have the fracture treated there.

Now that the summer's work is finished and the snow has come down to fly, it may be of interest to know that the actual summer development of Dominion creek is very rich.

It is a little over a year ago since the ever memorable stampede, the rush for the benches and hillsides of Dominion.

This lead of gold hits the left limit right down the creek (in no instance does it cut the right limit, that is, as far as development goes.)

Mr. W. W. Moyes in Town. Mr. W. W. Moyes, of Toronto, who is representing the Ferrol company of Toronto, limited, arrived in the city on Sunday and will be here for a day or two.

Work on the Gold Bug. Mr. Alexander Sharp is in the city from Dunsmuir's camp, where he is superintending the properties of the Boundary Creek Mining & Milling company.

Mr. E. J. Coyle, assistant general manager of C. P. R., and Mr. W. P. Anderson, traveling passenger agent of the same company, are in the city, and will leave today for the Boundary Creek country.

Mr. W. A. Macdonald, Q. C., and a member of the law firm of Macdonald & Brougham, is in the city on a visit.

FRACTURED HIS LEFT KNEE-CAP

MR. W. B. WILSON MEETS WITH A PAINFUL ACCIDENT.

While Directing Operations on the 700-Foot Level of the Le Roi He Stepped Into a Timberhole and Was Injured.

Mr. W. B. Wilson, superintendent of the Le Roi, met with a painful accident yesterday at 10 o'clock and one that will lay him up for some time.

The fractured parts of the kneecap were fastened together with silver wire passed through holes bored in the bones.

Mr. Wilson was seen at the private hospital last evening and said he was accustomed to broken bones, and had it not been for the fact that Mrs. Senior, Coulter and Campbell had been so successful in the case of Mr. Carlyle that he would have taken a special train and gone to Denver to have the fracture treated there.

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THE RICH SECTION TO THE WEST

MR. SWORD TELLS OF SOME THINGS GOING ON THERE.

Big Plants Are Being Put in Which Reveals That Mining Is to Be Conducted on a Large Scale.

Mr. James D. Sword, M. E., returned Friday night from an extended business trip in the interests of his principals, the James Cooper Manufacturing company, in the Boundary Creek district.

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C. J. WALKER, No. 24 COLEMAN STREET LONDON, E. C. London Agent for the Rossland "Miner," Receives advertisements of all kinds for 12 months gratis. Rates quoted. Contract at 1/6 per page.

H. E. A. COURTNEY Barrister, Solicitor Notary Public Wallace Building, Rossland.

Atlantic S. S. Lines

FROM PORTLAND, ME. Allan Line... Parisian... Dec. 2 Dominion Line... Cambromia... Dec. 2 Allan Line... Numidian... Dec. 13 Dominion Line... Vancouver... Dec. 13

Spokane Falls & Northern

Nelson & Fort Sheppard R'y

RED MOUNTAIN RAILWAY

The Only Direct Route to Nelson Kaslo, Kootenay Lake and Slocan Points. Every day in the year between SPOKANE, ROSSLAND AND NELSON.

Canadian Pacific Nav. Co.

(LIMITED) Time Table No. 32, taking effect Jan. 1st, 1923. VANCOUVER ROUTE. Victoria to Vancouver—Daily, except Monday at 10 o'clock; Tuesday to Friday at 7 o'clock.

Kootenay Railway & Navigation Company

OPERATING Kaslo & Slocan Railway-International Navigation & Trading Company.

Kaslo & Slocan Railway

Passenger train for Sandon and way stations, leaves Kaslo at 8 a. m. daily, returning, leaves Sandon at 1:15 p. m., arriving at Kaslo at 3:55 p. m.

S. S. ALBERTA

Leaves Nelson for Bonner's Ferry Tuesdays and Saturdays at 7 a. m.; meeting steamer International from Kaslo at Pilot Bay.

LARDO-DUNCAN DIVISION

Steamer International leaves Kaslo for Lardo and Argenta at 8:45 p. m., Wednesdays and Fridays.



THE FAST LINE TO ALL POINTS

The Dining Car Route Via Yellowstone Park Safest and Best.

Solid Vestibule Trains Equipped with Pullman Palace Cars, Elegant Dining Cars, Modern Day Coaches, Tourist Sleeping Cars.

Through tickets to all points in the United States and Canada. Steamship tickets to all parts of the world. Tickets to China and Japan via Tacoma and Northern Pacific Steamship Co.

O.R.&N.

THE ONLY LINE EAST VIA SALT LAKE AND DENVER.

SHORTEST AND QUICKEST ROUTE—Coeur d'Alene Mines, Palouse, Lewiston, Walla Walla, Baker City, Portland, San Francisco, Cripple Creek Gold Mines and all points East and South.

Table with columns: LOCAL MAIL-For Coeur d'Alene, Farmington, Colfax, Pullman, Moscow, Pomeroy, Walla Walla, Portland, San Francisco, Cripple Creek, Dayton, Pomeroy, Colfax, Farmington, Garfield. LOCAL MAIL-From San Francisco, Portland, Walla Walla, Dayton, Pomeroy, Colfax, Farmington, Garfield.

STEAMER LINES.

San Francisco-Portland Route. STEAMSHIP SAILS FROM AINSWORTH DOCK, Portland, at 8:00 p. m. and from Spear Street Wharf, San Francisco, at 10:00 a. m., every five days.

A FEW INTERESTING FACTS...

When people are contemplating a trip, whether on business or pleasure, they naturally want the best service obtainable so far as speed, comfort and safety is concerned.

THE WISCONSIN CENTRAL LINES

and you will make direct connections at St. Paul for Chicago, Milwaukee and all points East.



The Surveyors Chain Made It THE SHORTEST Transcontinental Route.

It is the most modern in equipment. It is the only line serving meals on the a la carte plan through the GRANDEST SCENERY in America by Daylight.

Attractive tours during the season of navigation on Great Lakes via Duluth in connection with the Steamship passenger steamers Northwest and ...

For maps, tickets and complete information call at address B. R. & N. Ry. agents, or H. A. JACKSON, General Agent, Spokane, Wash.

Vertical text on the far left edge of the page, including 'Co.', 'Agent', 'Shares', 'D. Co.', 'Salmon River', 'GREEN', 'OLD', 'MISSION ONLY', 'SLAND, B. C.', 'ENGINEERING', 'with but one', 'Montreal, are', 'America con-', 'ness in Jewel-', 'mentation that', 'hands. The', 'through our', 'se unequalled', 'iate profits.', 'n Eng.', 'CCOS.', 'AMILTON, ONT.'

Rossland Weekly Miner.

Published Every Thursday by the ROSSLAND MINER PRINTING & PUBLISHING CO. LIMITED LIABILITY.

OHN B. KERR, Managing Editor

LONDON OFFICE: O. J. WALKER, 24 Coleman Street, London.

TORONTO OFFICE: CENTRAL PRESS AGENCY, LTD., 25 Yonge St.

SPOKANE OFFICE: ALEXANDER & CO., Advertising Agents, Room 3 First National Bank Building.

EASTERN AGENT: EMANUEL KATZ, 239 Temple Court, New York.

THE SUBSCRIPTION PRICE OF THE WEEKLY ROSSLAND MINER for all points in the United States and Canada is Two Dollars a year or One Dollar and Twenty-five Cents for six months; for all other countries Three Dollars a year—invariably in advance. The subscription price of the DAILY MINER is \$1 per month, \$4 for six months or \$10 for one year, foreign \$12.50 in advance.

ROSSLAND IS PROSPEROUS.

Rossland camp has never been in a more flourishing condition than it is today, and it is to be hoped that the good sense of those who are very largely interested in its prosperity will dictate to them the absolute necessity of preserving the good understanding which now prevails among all classes of the community.

ANOTHER JOB ON HAND.

A number of the Canadian Pacific Railway officials from Montreal and Kootenay are on a mission to St. Paul to confer with President Hill and his advisers of the Great Northern in regard to readjusting the rates on the output of the mines of this district.

W. Peters, a prominent mining capitalist of Nelson, B. C.; W. H. Aldridge, controlling several properties near Trail, B. C.

In the body of its article the Globe says that these gentlemen were reticent regarding the business on which they had come and much preferred to discuss the British reverses in the Transvaal to giving information concerning their visit to St. Paul.

We have not the slightest doubt that the Globe has very properly summarized the situation. It has always been the policy of the officials of the C. P. R. company to work in the dark, perhaps for the reason that their ways are evil.

With these figures before us we can readily realize that the copper and the copper-gold properties of the Boundary country have a future before them that will, perhaps, be surprising, and that it is easily within the range of probabilities that some of the companies, owning the larger and better properties, should in time be worth several times their par value.

to forfeit entirely the clear steal of five dollars a ton which they are now getting on the ore which they allow across the boundary and which the American smelters agreed at the last conference to allow them under the pleasing term of a bonus.

MAY BE WORTH MORE THAN PAR.

The first shipments of ore are being made from the Boundary Creek country and with the extensions of the spurs from the main line of the railway these will increase with each month for many years to come.

That there will be disappointments and not a few of them in the Boundary Creek country the same as there were here is certain, for the reason that all good-looking prospects do not make mines.

A SMELTER AT MOYIE.

It is understood that by the opening of spring, arrangements will have been completed for the construction of a large silver-lead smelter at Moyie lake, which will be able to handle the ores of the Moyie mines in the Slocan.

themselves independent entirely of the railways and smelting companies in the United States. It would, therefore, be enabled to treat the ores at a fair profit to itself for less than half the cost of treatment at Trail.

CIVIC ELECTIONS.

The time is rapidly approaching when the citizens will have to give their attention to the representatives who are to manage their business affairs for the forthcoming year. It is important, especially that the choice of Mayor should be a good one; that whoever may be selected should thoroughly understand municipal politics and should be a man of energy and capacity with large interests in the community and, therefore, a strong desire in seeing the necessary public work carried out and good legislation passed by the Council.

THE FRENCH POLICY.

The proposal in the French Chamber of Deputies by the leader of the Clerical party, which received the approval of the members, that the present occasion, when Britain is seriously hampered by her war in South Africa, should be seized by France to prosecute a more vigorous policy in China, shows the necessity for a speedy termination of the trouble in the Transvaal.

TWO OF A KIND.

Reverend Principal Grant of Queen's College, Kingston, who during the period of negotiations previous to the outbreak of the war between President Kruger and the British government, was a strong champion of the cause of the Boers, has lately returned from England thoroughly converted to the British view of the question.

istic views and out of sympathy with the government of the Transvaal the English cause may be expected to go along swimmingly and a speedy termination could safely be looked for to the present hostilities. These two men, Mr. Stead and Principal Grant, are very similar in their views and in their aims.

ANXIOUS FOR CREDIT.

The last issue of the Grand Forks Miner contains a short editorial note complaining that the papers throughout the Province and the Spokesman-Review are in the habit of appropriating matter from its columns without giving it credit, and it regards this as a flagrant abuse of the courtesies of journalism.

FIRE LIMITS SHOULD BE ESTABLISHED.

The outgoing City Council might very properly take into its consideration the advisability of sending forward to the next Council a suggestion that fire limits should be established within the city.

THE MINER IN THE BOUNDARY.

The Rossland Miner is now able to reach the Boundary country on the same day as it is published, thus ensuring to its patrons there the latest Associated Press dispatches, including a full service of the war news, together with special and ordinary telegrams from Eastern Canada and the United States.

THE CITY SHOULD PAY.

At last night's council meeting the bill for legal expenses, sent in by Mr. J. A. Macdonald, who was retained as counsel for Chief Ingram and the police department in the recent investigation, was referred to the city solicitor to see if it should be paid by the city.

New Method of Detecting Gold.

A new method of detecting the presence of a small quantity of gold has been recently discovered by Dr. Oehler. By this method the presence of quantities as low as 77 centigrammes per ton may be established. The operation is as follows: A quantity of finely powdered ore, say 120 grammes, is introduced into a flask.

of the city, or for that matter to any other, we think that he is hardly fair in this instance to the chief. It is now placed beyond all question that there was no ground for the accusations made; that there was, therefore, no reason for the investigation. It was demanded by a few irresponsible persons, who entertained a feeling of hostility to Chief Ingram, the mayor and the city government generally, and who succeeded in inducing the Trades and Labor council to believe that there had been very serious irregularities on the part of the police department.

Work on the Mammoth's Properties.

Superintendent Wilmshurst writes from Camp McKinney to the Spokane office of the Mammoth Gold Mining company, telling of satisfactory progress of the work on its claims. The Mammoth has one of the few tunnels in that camp on a vein running north and south into the hill north of the Little Cariboo, and the present tunnel on the vein gains one foot in two. Prior to this fall no work had been done. These surface croppings gave assays, it is said, up to \$29 per ton.

A Card From Mr. Campbell.

Editor Miner: In the correspondence from Grand Forks my name is connected with a proposed tunnel scheme to the Greenwood mines. I may say that I have no connection with such a project in any way. I understand such work is seriously contemplated by one or two well-known engineers, who are well able to carry such work to successful completion if found feasible.

The Major Making the Hewett a Mine.

On the Hewett group, which is being developed under the management of Major A. S. Reed, one of the first pioneers of the Slocan a strike of high grade galena and zinc ore lately been made, says the Silverton. This new strike was made in the face of the lower tunnel, which is now in 130 feet, and consists of over a foot of clean ore. The Hewett is employing 10 miners, and is rapidly coming to the front as a developed property, and will no doubt figure in the shipping list this winter.

At the Top of the Heap.

The Noonday at Silverton has shipped 58 tons of ore, as much as has been shipped this year by any mine at Silverton. The other shippers, up to date, are: Wakefield 580 ton, Comstock 120, Emily 100, Fidelity 3, and Vancouver 320.

Internal Revenue Collections.

Mr. H. P. McCroney, collector of internal revenue for this city, reports the following collections for November: Spirits 2,004.66, Malt 646.03, Cigars 96.00, Raw leaf tobacco 26.30. Total \$3,773.04.

grammes, is covered with bromine water, and after agitating during the course of an hour, the solution is filtered. Upon adding perchloride of tin to the solution, it takes a purple color, in the presence of gold, giving the reaction known as "Purple of Cassius." In the case of sulphides the ore should be previously roasted, and when the mineral contains a considerable portion of carbonate of lime, it should be calcined in the presence of ammonium carbonate.—Scientific American.

Compressed Air in Mines.

It is a mistaken idea among mining people that compressed air is one of the most wasteful forms of mechanical energy. Yet it is upon the use of this force that engineers will be compelled to depend when they are asked to mine at depths much below those which are now considered as within the range of practical management, says the South African Mining Journal. If the use of compressed air is to be continued under conditions of less waste, in order to make this advance probable, it is obvious that the mining intelligence must be brought to bear upon the subject with more persistence and determination to achieve better results than has hitherto been the case. It is necessary, before discussing the matter, to lay down the self-evident axioms, yet so much neglected, that (1) compression must be done on clean, dry, cool, prepared air, and (2) expansion must be conducted without any undue loss. It appears from the practice of several mines that it apparently does not matter what kind of air is supplied to the compressor; "anything will do," nor does it seem necessary to the buyers of compressed air that the pipes reduced in area, thus choking the flow of air; fractures of mains by falling rock, or through imperfect joints that tend to form "whirls" and "eddies" through the existence of projections or recesses in each joint. It would certainly appear to be false economy to use light air pipes if dents, rents, and loss accompany the use of such pipe lines. All pipes, joints, fittings and valves should be internally smooth, "leaky" bends where change of current direction is made. No one disputes the value of a reheat for heating below ground the air admitted to the drills, etc., yet the reheat is not generally adopted. It should not be impossible, if the air mains were properly designed and installed and all other points seen to, to obtain at a depth of 6,000 or 7,000 feet below the surface an efficiency very little below the surface efficiency. With the general adoption of the double stage winding from great depths, the first lift on the incline of the ore bodies will be performed by the compressed air hoist. In this connection it will not be inadvisable to call attention to the points which many earnest men have been urging in various parts of the world with some measure of success. These are as follows: (1) The supply of clean, dry, cool, prepared air to the compressor; (2) the use only of the most economical engine to supply H. P. at the lowest total cost per I. H. P.; (3) the use of the best form of air valves and fittings to provide against frictional losses; (4) the use of smooth, regular, tight air mains of correct size; (5) the use of the reheat. These are matters which must not only be considered when installing the plant, but about which a constant supervision must be exercised if a high efficiency is to be maintained.

Advertisement for 'Bo' (likely Borden's) featuring a list of directors and officers including DUNCAN, President Winnipeg, and others. Includes 'Orders for Address'.

Advertisement for 'THE CITY' featuring 'Discussion Over the Legal Fees' and 'COST OF THE POLICE'. Includes text about regular business transactions and a list of names.

with bromine water, using the course of it filtered. Upon of tin to the solu- color, in the pres- the reaction known s." In the case of could be previously mineral contains a carbonate of lime, in the presence of Scientific Ameri-

r in Mines.

Among mining per- r is one of the most chical energy. Yet this force that en- led to depend when ne at depths much now considered as practical manage- African Mining Jour- compressed air is to conditions of less make this advance that the mining in- ought to bear upon persistence and de- better results than case. It is neces- the matter, to lay axioms, yet so much compression must be cool, prepared air, must be conducted s. It appears from mines that it ap- what kind of compressor; "any- it seem necessary der what losses are set air valves; air thus choking the of mains by falling perfect joints that "rils" and "eddies" of projections or It would certainly onomy to use light ts, and loss accom- pipe lines. All pipes, ves should be inter- ends where change made. No one dis- reater for heating is admitted to the heater is not gener- not be impossible, properly designed other points seen, of 6,000 or 7,000 feet efficiency very little efficiency. With the double stage wind- the first lift on bodies will be per- pressed air hoist. In not be inadvisable points which many an urging in various with some measure s follows: (1) The cool, prepared air to the use only of the ne to supply H. P. cost per I. H. P.; st form of air valves ide against friction of smooth, regular, correct size; (5) the These are matters be considered when but about which a must be exercised if e maintained.

Smith's Properties. smhurst writes from the Spokane office of Mining company, progress of the work stamoth has one of in that camp on a and south into the the Cariboo, and the vein gains one foot s fall no work had rices croppings ave to \$20 per ton. Sup- in his last letter, s says: Looking very good, over as we go in. I nerved 18 feet since men. The lead is s. The matter was n. I think from the n a few days. I will a some good looking g. Mr. Campbell.

In the correspond- my name is con- tunnel scheme to sines. I may say that with such a project stand such work is ted by one or two , who are well able to successful comple- s days ago at Grand ent and that is the an see for using my with it. Yours bell.

the Hewett a Mine- oup, which is being management of Ma- of the first pioneers e of high grade galea been made, says the s. This new struc- e of the lower tunnel, feet, and consists of e. The Hewett is and is rapidly com- developed property, gure in the shipping

of the Heap. Silvertown has shipped ch as has been ship- y mine at Silvertown, up to date are: Comstock 120, Emily and Vancouver 320. ne Collections. sney, collector of in- his city, reports the for November: 2,604.66 96.00 26.30 \$3,373.04

ABRIDGED PROSPECTUS OF THE Boundary Homestake Mining Co.

Limited, Non-Personal Liability

INCORPORATED UNDER THE COMPANIES' ACT 1890, AND AMENDING ACTS OF BRITISH COLUMBIA

CAPITAL STOCK \$1,000,000.00, IN ONE MILLION SHARES OF \$1.00 EACH

OF THE ABOVE NAMED SHARES 300,000 ARE SET ASIDE AS TREASURY STOCK

DIRECTORS
DUNCAN MCINTOSH,
 President Winnipeg Mining & Smelting Co., Limited.
D. A. CAMERON,
 Manager Canadian Bank of Commerce, Greenwood, B. C.
RONALD HARRIS,
 Mining Engineer, Greenwood, B. C.
GEO. E. TOWLE,
 Cashier First National Bank, Park River, N. D.
E. J. DYER,
 President Exchange National Bank, Spokane, Wash.
DAVID H. BEECHER,
 President Union National Bank, Grand Forks, N. D.

OFFICERS
DUNCAN MCINTOSH,
 President and Managing Director.
J. K. RIORDAN, Vice-President.
ANSEL BATES, Secretary.
DAVID H. BEECHER, Treasurer.

BANKERS
CANADIAN BANK OF COMMERCE,
 Greenwood, B. C.

CONSULTING ENGINEER
RONALD HARRIS,
 C. E. & M. E.

REGISTERED OFFICE
 Winnipeg Mine, Wellington Camp, Greenwood P. O., B. C.

TREASURY
 The proceeds of the sale of the Treasury Shares will be used for the development of the property of the Company and will be sold only from time to time as funds may be required for development purposes. A limited amount of these Shares is now offered for sale, after which the price will be advanced.

POOLED STOCK
 The owners of all stock other than the 300,000 Treasury Stock have pooled their stock for a period of one and one-half years.

SHAREHOLDERS PROTECTED
 There is no preferred stock in this Company. Purchasers of Treasury Stock enjoy all the rights and privileges of the original stockholders.
 This Company was formed for the purpose of acquiring, and has acquired, "The Homestake Mineral Claims," being one of the best known properties in Summit Camp, Yale District, British Columbia. The title to this property is perfect, and

a "Crown Grant" of the same is about to be procured.
 The Homestake claim was discovered and located in 1894 and has an area of about forty acres.
 Over \$1,000 has been expended in opening up the property, and the results are most gratifying. The development consists of a shaft thirty-five feet deep, and five feet deep, and several crosscuts.
 The mine is situated nine miles from Greenwood, B. C., the principal point of distribution of the famous Boundary Creek Mining district, and is but two miles from the new town of Eholt, on the Canadian Pacific Railway. The MAIN LINE OF THE CANADIAN PACIFIC RAILWAY RUNS ACROSS THE PROPERTY. Its shipping facilities, therefore, cannot be surpassed.

ASSAYS OF ORE
 By J. Edwards Leckie, C. V. and M. E., Greenwood, B. C., June 28, 1890.
 An average sample of ore taken from a small open cut gave: Gold, 75c; Silver, 0.8 ounces; value of silver at 50c per ounce, 5c; Copper, 2.78 per cent; value in copper at 17c, 48.45c. Total, \$92.20.
 Two general samples of the ore taken from the thirty-foot shaft gave, respectively: Gold, \$1.10; Silver, 1.6 ounces; value 80c; Copper, 3.37 per cent; value, \$13.15. Total, \$14.95. And: Gold, \$1.10; Silver, 1.6 ounces; value, 97c; Copper, 5.32 per cent; Total, \$20.08.

A sample of sorted ore from the dump gave: Gold, \$4.10; Silver, 4.9 ounces; value, \$2.79. Copper, 11.06 per cent; \$37.60. Total, \$44.60.

NOTES ON HOMESTAKE
 By J. Edwards Leckie, B. of S. and C. and M. E.
 Greenwood, B. C., June 28, 1890.
 There is a very well defined vein of chalcopryite with a garnetiferous gangue, on this property.
 The vein lies in a quartz-porphry and is eight feet in width.
 The dip is vertical and the strike approximately northeast and southwest.
 A shaft has been sunk on the vein to a depth of thirty feet and some fine ore lies on the dump.
 A SAMPLE TAKEN IN THE SHAFT ACROSS FIVE FEET GAVE THE FOLLOWING RESULTS:
 Gold \$2.10
 Copper 15.30
 Total \$17.40
 The shipping facilities are excellent as the spur of the C. P. R. now under construction, runs through the claim.
 The property is well timbered and there is sufficient water for all steam and domestic purposes.
 Some of the best copper properties in the district are being opened up in this camp. The Emma, adjoining, has a large body of ore and the Oro Denero, adjoining the Emma, has an excellent showing of chalcopryite.
 With development, there is a very fair chance of the Homestake proving to be a paying proposition, and the expenditure of a considerable sum for this purpose would be well warranted.
 With regard to opening up the property I would suggest that the shaft be continued to a depth of one hundred feet and drifts driven on the vein at this level.
 J. Edwards Leckie,
 B. of S. and C. of M. E.

SUMMIT CAMP
 Is now recognized as standing foremost (in the Boundary Creek country) in big copper properties. The "B. C." mine only two miles distant was sold recently for \$300,000, while the Oro Denero, having large bodies of copper-gold ore, adjoins the Homestake. The Emma, also the B. Bell, are well known and high grade properties which have showings sufficient to demonstrate their great value.
 The first block of Treasury Stock (made out in certificates of 1,000 shares each) is now placed upon the market at 10 cents to the public. Those who wish to get in upon the ground floor should place their orders promptly as only a limited number of shares will be sold at 10 cents. Prospectuses on application.
 Use Clough's, or Bedford McNeill's code.
 Telegraphic and Cable Address: "Plewman," Rossland.

Orders for Stock should be Addressed to the Company's Broker **RICHARD PLEWMAN, Bank of Montreal Building, Rossland, B. C.**
 Or Messrs. **HALL & MURRAY, Brokers for Ontario, Yonge Steet Arcade, Toronto, Ont.**

THE CITY COUNCIL

Discussion Over the Payment of Legal Fees

COST OF THE POLICE INQUIRY

Regular Business Transacted—Reports Passed and Accounts Ordered to be Paid—Invitation From the C. P. R.—A Grant for the Library.

The regular meeting of the city council was held last evening, with the members present as follows: Mayor Goodeve, in the chair, Ald. Lalonde, Thompson, Hooson, Clute and Edgren. After the customary preliminary business, communications were received and reports submitted.

Communications were received from F. W. Peters of Nelson, assistant general freight agent of the C. P. R., inviting the mayor and council to join in a trip over the Columbia and Western railway on December 7; from Sister Teresa, stating that the hospital that the lane in the rear was to be closed, should not be entertained, as there was no intention of doing so; from Geo. A. Stimson & Co., of Toronto, asking when the debentures for the park and cemetery would be ready for sale, and also the \$75,000 debentures; from H. B. Smith, city engineer, forwarding the original plan, the registration plan and two blue prints of the registration plan of the city of Rossland; from E. M. Quirk, local inspector of the Vernon & Nelson Telephone company, stating that a new subscriber's directory was in course of preparation; from Samuel Forteah, resigning his position as sanitary inspector of the city.

The following letter was also received from Chief of Police Ingram in regard to the police investigation: "I enclose a copy of Mr. Macdonald's bill for legal services in connection with this investigation, and trust that you will lay the matter before the council. I feel that the city ought to pay this bill for the following reasons: As a city official I was obliged to defend my department which was being attacked, and against which grave charges were made. In order to do this it was necessary that I should employ counsel to conduct the defence.
The evidence adduced shows that my department was in no way at fault, and the police commissioners' finding clearly exonerates me from any of the charges.
The investigation was commenced at the instance of the city, and I always understood that the city was to pay the cost of the defence of my department. I need not point out that it would be manifestly unfair to me that I should be subjected, and without cause, to what was obviously a persecution and not a prosecution; that I should suffer all the personal inconvenience and annoyance which such

an investigation involved, and in addition be compelled to pay the cost of the defence of my department, notwithstanding that I had been clearly exonerated by the commissionery.
I think I can safely leave the matter to the good sense and justice of the council to see that I am not put to a financial expense and loss in connection with this public investigation.
The report of the board of works recommended the payment of accounts amounting to \$180.55, and that the street superintendent be instructed to inquire and report into the matter which had called forth the petition against the closure of the lane in the rear of the hospital. The report was adopted.
The report of the health and relief committee, which was adopted, recommended the payment of accounts amounting to \$107.70, which included \$82.35 for the Sisters' hospital.
The report of the fire, water and light committee recommended the payment of the following amounts: Pay roll, \$619; Gavin & Co., \$4.25; Col. Transfer Co., \$2.50; Red Mountain railway, \$6.15; pay roll, fire department, \$681.20; C. W. Clute, \$11; Louis Blue, \$95.11; Gartshave, (Thompson Co., (4 carloads pipe) \$3,215.25; Hunter Bros., \$143.06; total, 5,630.50; and that Hunter Bros. be paid the sum of \$10,000 on account of contract of pipe.
The report was adopted as read.
The report of the finance committee recommended that the preceding reports of committees be passed, and that the following accounts be paid: Pay roll, salary list, \$1,966.20; Montana Livery stable, \$5; W. T. Mitchell, \$75; Alex. McGowan, \$95; T. E. Hestley, \$13.84; T. R. Morrow, \$1.05; Martin Bros., \$10.80; Gavin & Co., \$11.25; W. Harp; (refund on road tax) \$40; total, \$2,208.14.
The report was adopted.
The communications were then taken up in order and disposed of. The clerk was instructed to reply to the invitation from Mr. Peters, expressing the pleasure which it would afford the mayor and council to participate in the excursion over the C. & W.
The resignation of Mr. Samuel Forteah as sanitary inspector was accepted, and Mr. T. H. Long was appointed to the vacant position at the same salary, namely, \$100 per month.
The letter from Chief Ingram, enclosing the bill for legal services at the investigation, occasioned some discussion. The bill amounted to \$500 as rendered by Mr. J. A. Macdonald.
Ald. Lalonde said the bill was a large one, and it might be well to have it taxed if there was no question about its payment. He thought, therefore, it should be referred to the city solicitor.
Ald. Thompson argued that the city had ordered the investigation and should pay the bills which were legally incurred in consequence of it. There had been no personal evidence brought forward for the holding of the inquiry at all, and the council had rushed into it simply to please a few voters.
Mayor Goodeve said the investigation had been ordered by the city council, and as it was an inquiry into the conduct of the department and the officers, it was necessary and right that counsel should

have been employed. The commissioners had exonerated the chief and there was really no evidence on which to condemn Mitchell. This evidence had been endorsed by Police Magistrate Boutbee, a gentleman of legal knowledge and skill. In view of this it was, in his opinion, only fair that the legal expenses incurred should be paid by the council.
Ald. Clute said he had no personal interest whatever in the matter, but he endorsed the words of the mayor.
Chief Ingram asked to be allowed to make a statement, and permission was granted. He said that before the inquiry was begun he had spoken to the mayor, Ald. Lalonde, Clute and Thompson, and told them that the Trades and Labor council had engaged Mr. MacNeill to conduct the prosecution. It seemed to him right, therefore, that he should also have counsel to defend the department. He stated that these members of the council at the time that if he were exonerated he would expect the council to pay the legal fees, and if he were not exonerated he would pay them himself. Not one of those to whom he had spoken had objection to this arrangement, and it was therefore, in his mind an understanding.
Ald. Lalonde said that what the chief had said was simply a statement of fact. He thought, however, it would be well to refer the bill to the solicitor, that all legal technicalities might be complied with.
Ald. Hooson entered his objection to the bill being paid by the council at all. Ald. Lalonde—"The matter will not be in a worse condition by a week's delay." The motion which had been submitted for the payment of the bill was accordingly withdrawn, and the matter referred to the city solicitor.
Ald. Hooson stated that a public library and reading room had been started by two ladies, who were asking for a grant from the city. He thought the institution was deserving of a little assistance, and that \$10 a month might be given it.
The mayor said the institution was a good one and deserved some assistance. The reading room was absolutely free, and heat, light and seating accommodation was supplied by the institution. The room was well patronized, and when he had gone in a few nights ago every seat was occupied. He agreed with Ald. Hooson that some assistance should be given.
It was decided to grant \$10 a month for November and December, that is, during the life of the present council.
An adjournment was then made.

AROUND PETERBOROUGH.

A Section Full of Possibilities for the Miner and Stockraiser.

Messrs. Moffatt, Kirk and Rumbell, directors of the Kootenay Land company, have returned after visiting the company's new townsite, Peterborough, in the Columbia valley, East Kootenay. The new town is well situated on a bench rising from the west side of the Columbia river, and consists of 540 acres. One hundred and sixty acres have been platted into lots, which are selling rapidly to local buyers. The site of Peterborough may be said to be the base of a triangle formed by Toby, Boulder and Horse Thief creeks. A main road, from the Columbia, has been made, passing through Peterborough to the west and tapping the above named creeks, upon which are situated the mines now being developed in this district. Over 600 prospectors were in this section the past season, and a greater rush will take place as soon as spring opens. Among the properties, many of which will be worked during the winter, are the following: The Mineral King, a high grade silver-lead proposition, on which 12 men are at work and on which operations will be kept up all winter. The Delphine, which is owned by Mr. Hammond of Kempton, which is a silver-lead proposition. Fifteen men are at work on this property. They have a winter camp and it is the intention to push the development work throughout the winter. The Paradise, another important group, and which was recently bonded to Mr. Mitchell-McInnes for \$120,000, and the bond is to be taken up as soon as spring opens. Among the properties, many of which will be worked during the winter, are the following: The Mineral King, a high grade silver-lead proposition, on which 12 men are at work and on which operations will be kept up all winter. The Delphine, which is owned by Mr. Hammond of Kempton, which is a silver-lead proposition. Fifteen men are at work on this property. 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A FUEL FAMINE IS ON

Caused by the Bad Condition of the Wagon Roads.

COLD SNAP WOULD HARDEN THEM

Rossland Uses About 100 Cords of Wood Per Day and is Receiving Less Than Two-Cent Coal in Areas Vary Scarce—The Schools are Closed.

There is a fuel famine on, and it includes both wood and coal. This is so much the case that the schools were shut down on Tuesday and Wednesday because there was no fuel with which to keep the scholars warm. Families are out of wood, and in one instance when a driver for a wood setting concern went to one house yesterday, he found that the children had all been put to bed in order that they might be kept warm, while the mother had on one of her husband's coats. The house was as cold as a barn.

Orders for a large number of cords have kept piling in on the wood dealers, but they have not been able to fill them for several days. Two carloads arrived yesterday, but this was only a drop in the bucket. In winter time the city uses in dwellings and for steam producing at the mines, between 90 and 100 cords of wood per day. This wood comes from along the line of the Spokane Falls & Northern railway. It is cut principally by the ranchers. They cut and haul it when they have nothing else to do. It is generally sold to stove-keepers for provisions, who in turn dispose of it to wood dealers here and elsewhere. As the Washington farmers do not have to pay stumpage, as team feed is cheap, and as the work of cutting and hauling it is done in spare time, the wood does not bring a great deal when delivered at the station. It is claimed that the stumpage, the cost of horse feed and the cost of labor here is so much greater than it is in Washington, that wood costs twice as much to cut and deliver in this vicinity than it does there, and that is why most of the wood consumed in this city comes from the other side of the line. The wood dealers say that they would prefer to secure wood for their customers nearer home but that the conditions are such that they cannot do so.

A case in point is that of Barney O'Brien who has a lot of fine timber suitable for wood at his ranch on Sheep creek, on this side of the boundary line, which he would like to turn into money by selling it in the shape of wood to the people of Rossland. It would cost him at least \$1 a cord for cutting and 53 cents for stumpage. The cost of transporting the wood from the ranch to this city is what stumps him. The Red Mountain railway wants \$2 a cord for hauling the wood from the ranch to Rossland, a distance of about seven miles. It would probably cost him about 25 cents a cord to haul it to the railway. Then by the time he had it cut up into firewood and delivered to customers here, which would cost him another \$1 per cord, there would not be much of a margin of profit in it for him. Mr. O'Brien thinks the railroad company should be satisfied with \$1 per cord, and not expect about all the profit there is in the wood for hauling it so short a distance.

The reason for the existing shortage is due to the bad condition of the roads. It was expected long ere this that the snow would have fallen and the frost have hardened them. Instead of this the weather has only occasionally touched the freezing point, and then only for a short time. Then there has been a great deal of rain, which has made the roads seas of mud and made hauling impossible. The result is that no wood has been hauled to the Spokane Falls & Northern railway stations, and Rossland is left with only an occasional carload of wood, now and then, when there should come at least 10 a day to supply a constantly growing demand.

There is also a shortage of coal. This is caused principally by the fact that it is difficult to get cars. After coal is ordered it takes a long time to get cars, and hence the supply of coal on hand is often exhausted before the new supply comes in. In this way the demand keeps far ahead of the supply, and people have to go sometimes for days without fuel.

An amusing story in this connection is told on a well known broker. As coal was scarce, the dealer was giving each of his customers a sack a day, pending the arrival of a supply, which he had ordered. The broker had a buxom Swedish girl for a domestic, and she had an Ole Olsson for a lover. The twin sparked in the kitchen, and one evening he came and proceeded to make himself useful and comfortable by replenishing the fire. He was informed by his sweetheart that coal was scarce, and that the family only received one sack per day. This aroused Ole Olsson's suspicions, and he said to his countrywoman: "Ay tank dat any familie dot can't buy more as one sacks of coal a day is not a good. He can't pay you, and you had better hunt another job." "Ay tank so neider," was the reply of the future Mrs. Olsson. The next day that Swedish girl demanded her pay and got it, and they discharged herself. This was one of the direct results of the shortage of fuel.

LEFT FOR THE OLD COUNTRY.

A. J. McMillan Will Spend Three Months in Great Britain.

Mr. Anthony J. McMillan, mining operator, left on Friday evening for Great Britain, where he will remain for the next three months. Mr. McMillan will spend most of this time while away, in London, where he will confer with the officers of the several mining companies in which he is interested. On his last visit he lectured before several societies on the mining resources of British Columbia, and will probably deliver similar talks during his visit, before the Royal Institute and the Royal Geographical Society. He has armed himself with data, and says he is prepared to tell his hearers something of the magnitude and richness of the resources of this section.

At the Hospital.

The condition of A. L. Watson, the miner who was so severely injured at the B. C. mine on Tuesday last, and who is now at the Sisters' hospital, has become so serious that Dr. Thompson did not leave for Spokane yesterday, as he intended. It may become necessary to perform an operation in order to try and save one of the patient's eyes.

John McBride, the other miner injured at the B. C., is progressing very favorably, and he will be about in a short time. Thomas Cunningham, who slashed his throat with a knife early in the week, is on a fair way to recover.

Some of the typhoid patients at the hospital are in rather a low state, and cause the physicians in charge a good deal of anxiety. The Sisters say that when men are taken ill in the camp they frequently remain in their rooms or shacks until they are dangerously ill, in place of coming to the hospital at once, when they could be nursed back to health with much better results.

A RAILWAY TO BE BUILT.

Republic Camp to Be Connected With Grand Forks.

The Montreal Star publishes the following interview with Mr. Clarence McCuaig: For some time it has been rumored in various quarters that a railway might be constructed between Republic in the State of Washington, and Grand Forks in British Columbia, and now Mr. Clarence McCuaig returns to Montreal from the West with the announcement that such a railway will be built. On October 19th, Mr. McCuaig left Montreal in order to look after his numerous interests in the West.

In speaking of the matter he stated that a private company would take over the enterprise, and that the intervening 35 miles between these two places would be graded and tracked, and opened for business on the first day of next July. This means much for Republic camp, and incidentally for the Republic mine. The hauling of supplies from Grand Forks to Republic has always been a serious factor, for the reason that the cost of transporting goods between these two points by the crude method now in vogue was not less than a cent a pound, so it can be readily seen that when it came to mine supplies at a dollar a hundred, not to speak of a still higher rate for dynamite, there were serious drawbacks.

Mr. McCuaig visited the Republic mine in company with the president, Mr. Patrick Clark, Mr. A. A. Ayer and Major Leclie. The erection of a mill with a capacity of 200 tons daily has been decided upon to take the place of the 30-ton mill now in use. The completion of the 2,300 foot tunnel in the lower level justified this expenditure. Mr. McCuaig is fully convinced that the Republic mine has every indication of not only coming up to the expectation of the managers and owners, but as a producer it will exceed the hopes of even the most confident admirers of the property.

Recent Metallurgical Improvements.

In his recent presidential address before the Iron and Steel institute of Great Britain, Sir W. Roberts-Austen gave an interesting account of achievements in metallurgy which have already been accomplished or which will probably be made in the near future. He said: "There are blast furnaces which will produce 600 tons of pig iron in 24 hours, with a consumption of a little over 15.4 cwt. of coke per ton of iron, and the gases from blast furnaces are used not only as sources of heat, but directly in gas engines. There are Bessemer converters which can hold 50 tons of metal, and open-hearth furnaces which will also hold 50 tons, while 100-ton furnaces are projected. The open-hearth furnaces are fed with one ton of material a minute by the aid of a large spoon worked by an electromotor. There are gigantic 'mixers,' capable of holding 200 tons of pig iron, in which, moreover, a certain amount of preliminary purification is effected. Steel plates are rolled of over 300 feet in area and two inches thick, and there are girders which justify the belief of Sir Benjamin Baker, that a bridge connecting England and France could be built over the English channel in half-mile spans. There are ships' plates which buckle up during a collision, but remain watertight. There are steel armor-piercing shots which will penetrate a thickness of steel equivalent to over 37 inches of wrought iron. The points of the shot remain intact, although the striking velocities are nearly 2,900 feet a second. There are wires which will sustain a load of 170 tons per square inch without fracture. Hadfield, whose labors he hoped to see continued far into the twentieth century, has given us manganese steel that will not soften by annealing; while Guillaume has studied the properties of certain nickel steels that will not expand by heat, and others that contract when heated and expand on cooling. Nickel, chromium, titanium, and tungsten are freely used alloyed with iron, and the use of vanadium, uranium, molybdenum, and even glucinum, is suggested. Huge ingots are placed in soaking pits and forged direct by 100-ton hammers, or pressed into shape by 14,000-ton presses, and there are steel castings for parts of ships that weigh over 35 tons."


NORTH KOOTENAY.

Mr. Doucet Tells of Railway and Mining Development There.

Mr. Doucet, the engineer who has throughout the summer been in charge of the C. P. R. construction in the Trout Lake district, states that the railway will be completed early next summer from the head of Kootenay lake to Trout Lake City, and that probably some branches from such points will be completed during next summer. Trout Lake City, which, from all points of view, is undoubtedly the best townsite in the Trout Lake district, is therefore, likely next summer to be a place of much activity and enterprise, and its future may be regarded as particularly bright.

Mining development is proceeding apace, the properties at present, leading the way being the Silver Cup, Sunshine, Towser, Nettie L., Silver Queen, Ethel, St. Elmo and the Beatrice. At the Silver Cup very rich ore underneath the old workings have been opened up, and by means of an upraise in ore, the lower tunnel, some 100 feet deeper, has been connected with the old workings.

A crosscut tunnel some 120 feet below the main Sunshine tunnel, recently, after being extended about 90 feet, reached



GUARD YOURSELF.

AS the soldier guards his country in the hour of danger, so will the prudent person—whether man or woman—guard health. This is a trying season; the transition from autumn to winter, with sudden and extreme changes, and raw, damp atmosphere, carries with it many dangers to health. There are twinges of rheumatism or sciatica, or a cold that may develop later into consumption. Perhaps you feel tired and out of sorts, and imagine the feeling will soon pass away. If you are prudent you will guard yourself against the possibility of disease.

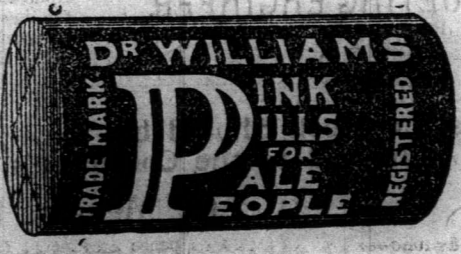
Dr. Williams' Pink Pills

is the only medicine you need. They act promptly and effectively, making rich, red blood and strengthening the nerves. In this way they not only cure disease, but prevent it. If you are at all depressed or unwell Dr. Williams' Pink Pills will make you bright, active and strong.

GOOD IN CONSUMPTION.
The Sisters of L'Assomption, Onion Lake, N.W.T., who are doing a noble work among the Indians of that section, write:—"It affords us great pleasure to bear public testimony to the beneficial effects of Dr. Williams' Pink Pills. Several of the Indian children in our care being menaced by consumption, we gave them Dr. Williams' Pink Pills, and in each case a cure resulted. We distribute a great many boxes to cure scrofula, consumption and anæmia, and always with the happiest results. We recommend Dr. Williams' Pink Pills as the best preventive for consumption we know."

DIZZY AND SLEEPLESS.
Miss Martha Ivey, Norwich, Ont., says:—"I am much pleased with the results obtained from the use of Dr. Williams' Pink Pills, and can cheerfully recommend them. I was troubled with dizziness, headache and sleeplessness. My nerves were unstrung, and my blood poor and watery. This went on until I was unable to do any work. I procured two boxes of Dr. Williams' Pink Pills, and before I had completely finished them there was a great improvement in my health. I do not know of any better medicine than Dr. Williams' Pink Pills, and can warmly recommend them to others."

Pink colored pills in glass jars, or in any loose form, or in boxes that do not bear the full name "Dr. Williams' Pink Pills Pale People," are not Dr. Williams'. The genuine are put up in packages resembling the engraving on the right, with wrapper printed in red. Sold by all dealers in medicine or direct from the Dr. Williams' Medicine Co., Brockville, Ont., at 50 cents a box or six boxes for \$2.50.



the vein and high grade ore, the result being most satisfactory in every way. Two crosscut tunnels, to tap the ore recently exposed on the surface, are being driven on the Towser, bonded not long ago for \$30,000. At the Nettie L. about 100 tons are sacked ready for shipment, and during the winter it is proposed to ship in all 500 tons of high grade ore. Development is steadily proceeding in the Silver Queen, with, it is said, satisfactory results. A bond and lease was recently given to certain parties on the Ethel, situated near Trout Lake City, and some ore is now being sacked, the intention being to send it to some smelting point before the end of the year. Small forces are at work on the St. Elmo and Beatrice, both of which should make satisfactory shipments during the winter.

COLUMBIA CITY NEWS.

Samples of Ore Brought From Keremeos Valley.

Columbia, Nov. 24.—Some excellent samples of copper ore have been brought in by Mr. W. C. McDougall from the Bullion claim in Keremeos valley. The ore which carries from eight per cent copper and low gold and silver values, was taken from an open cut. Mr. McDougall has also capital rock from the Dividend claim on Upper Keremeos creek. An open cut has been dug for 30 feet across the vein, where walls have not yet been reached. A shaft six to eight feet, the vein showing up well at that depth. Mr. J. F. Lansing, who is building the new Republic customs mill on the San Poi river, left for Republic this morning. He is of the opinion that if the Quilp has passed into the same hands as Republic, 100 feet as a three-compartment shaft, which is no doubt the case, the latter property has gained thereby. Mr. Lansing has a very high opinion of the Mountain Lion, Jim Blaine, Lone Pine, in fact, has nothing but good to say of the camp taken all round.

The Strawberry and Orphan Boy on Brown's creek are being developed by the Quebec-Boundary company. The manager, Mr. J. Trainer, late of the Le Roi, has six men at work in two shafts. The one is 30 feet down and the other 70 feet. About 75 tons of ore are on the dump. Ample power with which to run compressors, hoists, etc., may be had from Brown's creek, where a head of perhaps 100 feet is available.

The B. C. mine in Summit camp has 40,000 tons of ore in sight, and at least 6,000 tons of shipping ore on the dump. The present shaft is double and down 150 feet; from that level it will be sunk 100 feet as a three-compartment shaft, and also enlarged to a similar width up to the surface.

Mr. A. B. Clabon of Rossland, came in from Eholt yesterday. He is satisfied at the showing made by the Quebec-Boundary company's claims on Brown's creek, in which he is interested.

What about your Winter Clothes?

When you buy get **Shorey's** make. We offer this advice, now we will give you our reasons.

BECAUSE Though not made to order, it is made to fit.

BECAUSE You will be a well dressed man and your friends will remark it.

BECAUSE Your clothes will cost one half the price you would pay your tailor and you will be better dressed.

BECAUSE It is guaranteed in every stitch.

BECAUSE It is sold with the distinct understanding that you get Satisfaction or your money returned.

See that **Shorey's Guarantee Card** is in the pocket, if it is not, you are not getting **Shorey's** make.

The shareholdrs and will be obliged to wait for the promised statement. It is a declaration of dividends will be largely future it will be quite Mr. Hastings is quoted for that the first the shipments realized expenses for the same \$20,000, showing a month of \$36,000. A dividend per share, just double paid, would require \$33, ruary the profits should er increase per month. decide on payment of the \$5 limit on the stock for. Investors, however, not care to part with the fancy figure quoted.

The Shipment. The daily average of Rossland camp for the been 696 tons, or a total ly) 4,884 tons, an increase vious week, but still all 5,000-ton mark looked if averaged nearly 330 ton down 2,304 tons as against vious week. The War F output from 1,650 tons to the Centre Star shipped daily average shipment f was 208 tons and with tons as against a combi of 325 tons for the pre Iron Mask shipped six tons, just double the ou vious week.

The carloads for the 11th, 18th and 25th carried the total the camp for run as follows: 199, 1 keep the output up to 160 carloads should go ters each week.

The Ore Ou Appended is a detail (proximately) of the car the week ending Nov year to date:

Week 1	199
Le Roi	22
War Eagle	18
Iron Mask	15
Evening Star	12
Deer Park	10

It means a great deal of business for this city, as there will be from 100 to 200 teams on the road as soon as we get some cold weather and snow. A colony of 30 farmers from Madison Lake, Minnesota, have purchased land near Anacortes, and will soon arrive there and make their permanent home.

THURSDAY.....Nov

THE MINING

The Weeks Ore Ship
Rossland Total 4,884

TRIP THROUGH THE

The Monte Christo to Res
Eagle Annual Meeting
to Work All Winter—in
From the Iron Mask.

That the Monte Christo
recommence work after
down of the mine and
from this property are
will be good news to all
week has been a quiet
The shipments are nearly
age looked for and work
steadily in all the active
out a hitch.

There have been a great
about the Evening Star,
announcement has been r
ed, however, that anothe
of the company is in p
by the first of the year
mine will be working an
The result of a trip the
sive workings of the Iron
be found in the appended
figures obtained from M
the superintendent, will
terest.

As announced during
Heather Bell company
recommence work and d
be continued on their p
under the direction of
teach.

No statement has been
A. C. management con
pointment of Mr. Carlyle
The Miner this week ha
the Le Roi or of any of
erties owned by the big
it is stated that both the
Eagle will ha
drill at work this coming
The postponement of
ing of the War Eagle ha
for effect of dropping the
ember 15th the quoted
was \$2.56, the lowest po
July 21st, 1898, when it
a matter of fact, however
between stock deals and
tion of the mine. The
ably never looked better
the present time, nor
ever been brighter. Wi
letter has been given as
postponing the meeting
able that a desire to ma
showing for the mine th
the present moment from
stances perfectly underst
good deal of weight wi
No one seriously doubte
ments of the mine for
benefit, as he has had
for almost the whole pe
will, of course, be valu
Kirby's stated opinion,
man wrote the board fr
in the month as follows:
"I entered upon my
manager August 1st. Owe
city of business requir
tion, it was arranged th
couple of months, Mr.
continue to manage and
ground operations. You
the inevitable troubles
present machinery. The
ning of future improve
chase of new equipmen
tion of the force, and the
era business, delayed m
have only now been ab
justified."

THE MINING REVIEW

The Weeks Ore Shipments From Rosslund Total 4,884 Tons.

TRIP THROUGH THE IRON MASK

The Monte Christo to Resume Work—War Eagle Annual Meeting—The Heather Bell to Work All Winter—Interesting Figures From the Iron Mask.

That the Monte Christo company should recommence work after the long shutdown of the mine and that shipments from this property are also contemplated...

There have been a great many rumors about the Evening Star, but no definite announcement has been made. It is stated, however, that another reorganization of the company is in progress...

As announced during the week the Heather Bell company have decided to recommence work and development is to be continued on their property all winter...

No statement has been made by the B. A. C. management concerning the appointment of Mr. Carlyle's successor, and the Miner this week has no account of the Le Roi or of any of the other properties owned by the big corporation...

The postponement of the annual meeting of the War Eagle has had the effect of dropping the stock. On November 15th the quoted price in Toronto was \$2.50, the lowest point reached since July 21st, 1898, when it was at \$2.50.

Some interesting figures are given showing the amount of work done in the Iron Mask in sinking, raising, stopping, drifting and crosscutting, and the cost per foot and per ton for the four months from July 1st to November 1st of the present year:

Feet in ore... 471
Feet in country rock... 719
Total feet run... 1,190
Of the 771 feet in ore run only one stop was worked, the rest being done in development, drifting and raising.

The ore at present is sorted and passed into the ore bins, where there is room for 300 tons; from the ore bins it is carted to the Columbia & Western station level at a cost of 55 cents per ton, the sorting cost \$1 per ton, the ore sent down returned a net average: First-class, \$23.75; second-class, \$4.49 per ton.

In the figures submitted the whole cost has been included, some of which is properly chargeable to capital account, and when Mr. Hall was reminded of this he smiled and said he had given the mine the most of it all through, and did not desire to go into close figures.

Monte Christo.—Advices from Montreal are to the effect that work is to be resumed on the properties of the Monte Christo Consolidated Mining and Development Company. The properties consist of the Monte Christo and Buckeye No. 2, constituting an area of 2 acres situated on the west slope of Monte Christo mound...

Table with columns: Ore, Week, Tons, Year, Tons. Rows include Le Roi, War Eagle, Iron Mask, Evening Star, Deer Park.

Table with columns: Centre Star, Columbia-Kootenay, Virginia, Mountain Trail, I. X. L., Coxe.

Iron Mask.—A trip through the extensive workings of the Iron Mask mine yesterday was a complete revelation to the Miner representative, who, accompanied by Mr. Sam Hall, the general superintendent, and the mine foreman, inspected the greater portions of the workings.

It is probable that few persons outside of the management and some of the shareholders realize how much development work is being quietly accomplished by Mr. Hall and his men, but the fact that over 5,000 feet, or nearly a mile, of work has been done in the Iron Mask, and that the shipments this year now exceed 5,000 tons of sorted ore, will give some idea of the progress being made.

When Mr. Hall first took charge of the mine, on June 24th, 1897, he was considerably handicapped for want of air power, the Iron Mask being then supplied by the War Eagle company under contract, and only a very limited amount of power being available.

There are four working levels in the Iron Mask, the 200, 300, 350 and the 400-foot levels, the latter being the greatest depth attained up to the present time. Only such ore is taken out as is necessary in the ordinary course of development, except that some ore has been stopped from time to time to provide for the expenses of working the property.

Deer Park.—The shaft in the Deer Park has now reached a depth of 90 feet, and the south drift on the lower level is about 110 feet from the new shaft. The ledge matter in the new shaft is improving, and carries more copper and is finer grained than it was nearer the surface.

California.—The main tunnel is in for a distance of 235 feet. The crosscut from the main tunnel is in for 31 feet. Work on the combined shaft and compressor building is making good progress and work is being pushed on the other structures in course of construction.

Paris Belle.—The work of deepening the shaft on the Paris Belle main ledge continues, the ledge here has reached a depth of about 20 feet. The water main burst during the week on the street near the shaft, and the result was that the water commenced to come into the shaft at a rapid rate. This has delayed operations considerably.

Ethel Group.—Operations on the Ethel group, which is the property of the Pavo Consolidated Mines, is making good progress. On the 85-foot level the crosscut is in for a distance of 29 feet. The face of the tunnel is solid mineralized rock. It is anticipated that the ledge will be met in the next 20 or 25 feet.

Big Four.—The property is looking well. The crosscutting of No. 2 ledge continues with good results. It is anticipated that it will not be long before the main ledge will be met. There is a fair showing of gray copper and telluride in the face of the tunnel.

Wallingford.—The drift is now directly under the collar of the shaft, with probably 30 to 40 feet to go to the ledge. Two shifts are still working. A great deal of mineralization is encountered during the work.

Velvet.—Work continues along the usual lines, but there was nothing out of the usual order during the past week. I. X. L.—The lower tunnel is now in for a distance of 315 feet, and it is thought it will not be long before the ledge will be met. A little ore is being taken out of the upper tunnel. The property is looking well.

Green Mountain.—The drift on the 300-foot level is now in for a distance of 155 feet. There were no new developments of note during the past week. White Bear.—Work continues along the usual lines in this property. Some nice looking stringers of ore, which assay well, are being found on the 350-foot level.

Portland.—The shaft has now reached a depth of 95 feet, and the tunnel is in 155 feet. Bunker Hill.—The work of erecting the mill structure is still in progress.

Messrs. N. Henry Moffatt and H. M. Rumball returned last night from Peterborough, East Kootenay. Mr. J. A. Kirk, who accompanied them on their journey through East Kootenay, left for the east on business of the Kootenay Land company, and his private business. Messrs. Moffatt, Rumball and Kirk are officers of the Kootenay Land company.

Notice has been given for the incorporation of a company to construct and operate a railroad from Victoria to a point on the eastern boundary of the province indicate the intention to ship. Work on these properties was shut down in October, 1898. At that time there were 5,100 feet of workings, in which is included 600 feet of vertical depth. In this also were two tunnels, one of 515 feet and one of 550 feet. There was shipped from the Monte Christo from June, 1898, to October, 1898, 420 tons of ore. The ore is of low grade, but it is doubtless thought under the lower freight and treatment rate that now prevails that the ore can be mined and shipped at a profit. There is a good plant on the property. It consists of an 80-horse power boiler, a 7-drill compressor and a 20-horse power hoist.

With this plant in readiness, the property opened so well and with large reserves of low grade ore in sight there seems to be no good reason why the Monte Christo should not commence shipping ore soon after operations have been resumed. Evening Star.—According to news from Spokane, the control of the Evening Star company, which has hitherto been vested in Messrs. D. M. and J. L. Drumheller, has passed into the hands of Mr. G. B. McAulay. The latter was already the owner of a large block of the shares and obtained the holding of Mr. Cowley, which gave him the control. It is understood that the company is to be reorganized as a Canadian instead of an American corporation. The idea is to put in a new manager and to develop the property on a comprehensive scale. While there is considerable ore in the property, it is of a medium grade, and must be handled with the best of appliances, to the end that the cost of production may be low enough to leave a profit. It is, therefore, likely that when operations are resumed that a compressor and hoisting plant will be installed. It will take some little time before the reorganization can be effected and a plant installed on the property into the good shape it is today, with a perfect system of ventilation, a steadily increasing ore reserve and a systematically followed plan of development. While this has been in progress it must be remembered that the mine has been shipping week by week and making a very handsome return to the working fund, paying its way for all the work accomplished and daily nearing the dividend stage. To accomplish all this under the existing circumstances has required the greatest care and most economical management.

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There are four working levels in the Iron Mask, the 200, 300, 350 and the 400-foot levels, the latter being the greatest depth attained up to the present time. Only such ore is taken out as is necessary in the ordinary course of development, except that some ore has been stopped from time to time to provide for the expenses of working the property. Every ton of the 5,000 sent to the Trail smelter this year has been first carefully sorted into first and second class ore and by a system of his own Mr. Hall has a very complete check on every car of rock that is taken out of the mine, and the careful system of bookkeeping—a very plain and simple one but thorough—of the superintendent is able at all times to follow exactly the daily working of every part of the mine, and should be absent from the mine at any time he is able on his return to know exactly what has transpired in his absence without entering the mine. A daily and weekly report is sent to the company's headquarters at Spokane, covering all the work and expense account to the most minute detail. Some interesting figures are given showing the amount of work done in the Iron Mask in sinking, raising, stopping, drifting and crosscutting, and the cost per foot and per ton for the four months from July 1st to November 1st of the present year:

Feet in ore... 471
Feet in country rock... 719
Total feet run... 1,190
Of the 771 feet in ore run only one stop was worked, the rest being done in development, drifting and raising.

Deer Park.—The shaft in the Deer Park has now reached a depth of 90 feet, and the south drift on the lower level is about 110 feet from the new shaft. The ledge matter in the new shaft is improving, and carries more copper and is finer grained than it was nearer the surface.

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Notice has been given for the incorporation of a company to construct and operate a railroad from Victoria to a point on the eastern boundary of the province

CERTIFICATE OF IMPROVEMENTS. Notice. Hugel mineral claim, situated in the Trail Creek Mining Division of West Kootenay district. Where located: About one mile up Sullivan creek, and adjoining the Myrtle No. 1 on the west. Take notice that I, Wm. E. Devereux, as agent for G. H. Suckling, free miner's certificate No. 12,763B, and I. E. Suckling, free miner's certificate No. 35,439A, intend, sixty days from the date hereof, to apply to the mining recorder for a certificate of improvements, for the purpose of obtaining a crown grant of the above claim.

And further take notice that action, under section 37, must be commenced before the issuance of such certificate of improvements. Dated this 30th day of Oct., A. D. 1899. WM. E. DEVEREUX, P. L. S.

CERTIFICATE OF IMPROVEMENTS. Notice. Cumberland, Iron Chief, Cashier-Teller mineral claims, situated in the Trail Creek Mining Division of West Kootenay district. Where located: One-half mile west of the Minnehaha mineral claim, between the middle and west forks of Murphy creek. Take notice that I, J. A. Kirk, acting as agent for the King Mining Company, Limited, free miner's certificate No. B. 13,205, intend, sixty days from the date hereof, to apply to the mining recorder for a certificate of improvements, for the purpose of obtaining a crown grant of the above claim.

And further take notice that action, under section 37, must be commenced before the issuance of such certificate of improvements. Dated this 23rd day of September, 1899. J. A. KIRK.

CERTIFICATE OF IMPROVEMENTS. Notice. "Brunswick" mineral claim, situated in the Lardeau mining division of West Kootenay district. Where located: On Brunswick mountain, eight miles easterly from Compaix. Take notice that I, F. A. Wilkin, acting as agent for A. C. Sinclair, free miner's certificate No. 34348 A., S. T. Langley, free miner's certificate No. 13,922 A., J. Simpson, free miner's certificate No. B. 13,442, intend, sixty days from the date hereof, to apply to the mining recorder for a certificate of improvements, for the purpose of obtaining a crown grant of the above claim.

And further take notice that action, under section 37, must be commenced before the issuance of such certificate of improvements. Dated this 28th day of September, 1899. F. A. WILKIN.

CERTIFICATE OF IMPROVEMENTS. Notice. Arnold mineral claim, situated in the Nelson Mining Division of West Kootenay district. Where located: On the west side of the North Fork of Salmon river, about 10 miles from the Nelson & Port Sheppard railway. Take notice that I, Kenneth L. Burnet, acting as agent for W. A. Arnold, Esq., free miner's certificate No. 13,773A, of Manchester, England, free miner's certificate No. 34,063A, intend, 60 days from the date hereof, to apply to the mining recorder for a certificate of improvements, for the purpose of obtaining a crown grant of the above claim.

And further take notice that action, under section 37, must be commenced before the issuance of such certificate of improvements. Dated this 25th day of October, A. D. 1899. KENNETH L. BURNET, Young & Burnet, Rosslund, B. C. 10-26-10

CERTIFICATE OF IMPROVEMENTS. Notice. Standard mineral claim, situated in the Trail Creek mining division of West Kootenay district. Where located: About three miles east of Rosslund, B. C., south of and adjoining the Royal George mineral claim. Take notice that I, William E. Devereux, acting as agent for Horace J. Raymer, F. M. C. No. B. 29,047, Ida May Dunn, F. M. C. No. B. 12,831, Mike Shulivan, F. M. C. No. B. 13,156, T. W. Shilley, No. B. 12,998, intend, sixty days from the date hereof, to apply to the Mining Recorder for a certificate of improvements, for the purpose of obtaining a crown grant of the above claim.

And further take notice that action, under section 37, must be commenced before the issuance of such certificate of improvements. Dated this 10th day of October, A. D. 1899. WM. E. DEVEREUX, P. L. S.

CERTIFICATE OF IMPROVEMENTS. Notice. The ordinary annual general meeting of the NOVELTY MINING & SMELTING COMPANY, LIMITED, (NON-PERSONAL LIABILITY), will be held at the office of the company, Bank of Montreal chambers, on Tuesday the 8th day of December, 1899, at 4 o'clock, p. m., for the purpose of electing directors for the ensuing year, and such other business as may properly come before the meeting. Books will be closed for transfers from Saturday the 25th day of November, 1899, till after meeting. THOMAS ANDERSON, Secretary-Treasurer.

Dated at Rosslund, B. C., 9th November, 1899.

CERTIFICATE OF IMPROVEMENTS. Notice. White Iron and Hope No. 2 mineral claims, situated in the Trail Creek Mining Division of West Kootenay district. Where located: To the southeast of the Lily May mineral claim, lot 1,022, group 1, Kootenay district. Take notice that I, J. A. Kirk, acting as agent for the Iron Hope Mining & Milling Co., free miner's certificate No. B. 13,343, intend, sixty days from the date hereof, to apply to the mining recorder for a certificate of improvements, for the purpose of obtaining a crown grant of the above claim.

And further take notice that action, under section 37, must be commenced before the issuance of such certificate of improvements. Dated this 7th day of Nov., A. D. 1899. J. A. KIRK.

CERTIFICATE OF IMPROVEMENTS. Notice. Skilligalee, Beaver No. 3 and Denmark mineral claims, situated in the Trail Creek Mining Division of West Kootenay district. Where located: About four miles up Sullivan creek. Take notice that I, Wm. E. Devereux, as agent for J. S. Clute, Jr., free miner's certificate No. 33,674, intend, sixty days from the date hereof, to apply to the mining recorder for a certificate of improvements, for the purpose of obtaining crown grants of the above claims.

And further take notice that action, under section 37, must be commenced before the issuance of such certificate of improvements. Dated this 30th day of Oct., A. D. 1899. WM. E. DEVEREUX, P. L. S.

CERTIFICATE OF IMPROVEMENTS. Notice. Joanna mineral claim, situated in the Trail Creek Mining Division of West Kootenay district. Where located: Six miles southwest of Rosslund. Take notice, that I, Kenneth L. Burnet, acting as agent for Thomas H. Tracy, Esq., F. M. C. No. 70442, free miner's certificate No. 34,063 A., intend, sixty days from the date hereof, to apply to the mining recorder for a certificate of improvements, for the purpose of obtaining a crown grant of the above claim.

And further take notice that action, under section 37, must be commenced before the issuance of such certificate of improvements. Dated this 11th day of September, 1899. N. F. TOWNSEND.

CERTIFICATE OF IMPROVEMENTS. Notice. Evening mineral claim, situated in the Trail Creek Mining Division of West Kootenay district. Where located: Six miles west of Rosslund, B. C., north of and adjoining the Copper King mineral claim. Take notice that I, Wm. E. Devereux, acting as agent for F. R. Blockberger, Y. M. C. No. 34240 A., George D. Root, F. M. C. No. 34201 A., Harry Hansen, Y. M. C. No. 33,985 A., intend, sixty days from the date hereof, to apply to the mining recorder for a certificate of improvements, for the purpose of obtaining a crown grant of the above claim.

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CERTIFICATE OF THE REGISTRATION OF AN EXTRA-PROVINCIAL COMPANY. "Companies' Act, 1897."

Douglas Hunter Mining Company, registered the 4th day of July, A. D. 1899. I hereby certify that I have this day registered the Douglas Hunter Mining Company as an extra-provincial company, under the "Companies Act, 1897," to carry out or effect all or any of the objects hereinafter set forth to which the legislative authority of the legislature of British Columbia extends.

The head office of the company is situated in the city of Spokane, State of Washington, U. S. A. The amount of the capital of the company is fifty thousand dollars, divided into one million shares of five cents each. The head office of the company in this province is situated at Rosslund, and W. H. Montgomery, miner, whose address is Rosslund, aforesaid, is the attorney for the company.

The time of the existence of the company is 50 years. The objects for which the company has been established are: To own, buy, sell, improve, work, develop, manage, and lease mining property, mines, mining claims, and to carry on a general mining business, and to buy and sell, improve and own real estate and personal property; to borrow money, mortgage and pledge any corporate property as security therefor, to buy, own, improve and construct smelters, and carry on a general smelting business, and to do any and all things necessary which pertain to carrying out the objects and all purposes aforesaid, and to do any and all business authorized by the laws of the State of Washington.

Given under my hand and seal of office, at Victoria, Province of British Columbia, this 4th day of July, one thousand eight hundred and ninety-nine. S. Y. WOOLTON, Registrar of Joint Stock Companies. At

VICTORY-TRIUMPH GOLD MINING COMPANY, LIMITED LIABILITY. OF ROSSLUND, B. C. Notice to Shareholders.

The Trail Creek Mining Company, Limited, of London, England, hereinafter called the English Company, having acquired the property of the above company, hereinafter called the Colonial Company, in pursuance of the resolution passed by the Colonial Company on 28th June, 1897, is now prepared to issue share certificates of the English Company in exchange for share certificates of the Colonial Company upon the terms of the said resolution, viz: To the holders of shares of the Colonial Company of the nominal value of \$1 each, there will be issued shares of the English Company of the nominal value of £1 each to an amount equal to the equivalent of the shares of the Colonial Company taken at the value of 15 cents per share and at the rate of exchange of \$4.33 1/2 per £1 sterling, being the rate of exchange ruling on the 2nd May 1899, the date upon which the transfer of the properties to the English Company was effected. In the case of holdings of shares of which the equivalent value arrived at as above contains a fraction of £1 sterling, such fractions will be paid in cash at the rate of the day on which the remittance is made. The shareholders of the Colonial Company are requested to forward their certificates in a registered letter to the secretary of the Trail Creek Mining Company, Limited, 39 Lombard street, London, England, without delay, in order to complete the exchange as early as possible in view of pending negotiations for raising the working capital required.

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