THE MINING REVIEW

The Development of the Vein on the Annie.

STRIKE ON THE HOMESTAKE

Progress of Work Upon the Northport Smelter—An Additional Furnace Blown in—Inauguration of the New System at the Le Roi Mine.

There are three events of interest to be marked in the annals of the week. The first in importance is the strike upon the Homestake, the second is the blowing in of the fifth furnace at the Northport smelter, increasing the nominal capacity to 1,250 tons a day, and the third is the definite location of the Annie ledge at a depth of 500 below the surface.

The strike upon the Annie assumes its importance principally from the fact that the continuity of the north Le Roi vein is practically demonstrated to the west of the big granite dyke which is known as the Josie dyke. It is therefore a permissible inference that the other Le Roi veins will also be found to continue beyond the dyke named. This in turn will affect such properties as the White Bear, which are thought to be located on a continuation of the Le Roi westward beyond the dyke. Also it is to be noted that the strike was made in an apraise from the 500-foot level of the Josie mine and demonstrates particularly the continuity of the vein from the surface whence it was followed down or over 140 feet to the level mentioned. As this vein has been found to preserve its values at this depth and as it will be remembered that assays obtained from this ledge have run higher than any others in the camp a valuable asset has evidently been added to the Le Roi No. 2.

The Northport smelter blew in its fifth furnace on Friday, making the nominal capacity of the smelter upwards of 1,250 tons per diem. It has happened that almost simultaneously furnace No. 4 has run down and repairs have to be made to its water jacket. This will take some time. It thus chances that the blowing in of the fifth furnace, owing to the coincidence of the running down of one of its fellows, does not increase the actual capacity of the smelter for the time being. The fourth mechanical roaster is in operation. The new engine for the supply of air to the blowers has been installed and is in operation. On the other hand it has become necessary to place the old engine in repair. One side has been taken down, the high pressure, and the low pressure side will follow. Thus more time will be here expended. The track has been completed and the orebins for the reception of the Le Roi have been built and are in operation.

The strike on the Homestake is the most important that has been made for many months in this camp, inasmuch as the mine is located in the South Belt, which has been under a cloud, so to speak, owing to the lack of results which have so far followed the work done there. The pay ore shoot in the Homestake has been drifted on for a distance of 33 feet and the full face of the drift was in ore of a pay grade last evening. The strike is certainly one which is of great moment to the camp.

The Output.

There were seven shippers during the past week, the Velvet and Portland having dropped out pending completion of the arrangements at the Northport smelter. The Giant is shipping nothing and will not do so until the pending transfer of the property is completed and work began again. The Le Roi shipments are 2,000 tons under its average, mainly due to the changing over of the systems in operation at the mine. This will adjust itself after a time but it need not be expected that the Le Roi shipments will come up to the amount calculated to be shipped right along on a regular basis for several weeks to come.

Appended is a list of the shipments of the past week and the year to date:

	Tons Week.	Tons Year.
Le Roi	1,891	25,182
Centre Star	2,160	16,260
War Eagle	810	5,400
Le Roi No. 2	405	1,282
Iron Mask	113	1,136
Velvet	.....	500
I. X. L.	25	70
Spitzee	22	67
Giant	.....	60
Portland	.....	27
Total	5,426	49,397

Homestake.—The pay ore shoot found a week since in the Homestake had been drifted on up to last evening for about 33 feet. The full face of the drift was in ore of a pay grade, and carrying more copper than when the ledge was first encountered. A Miner man visited the Homestake yesterday and the strike was better than even he expected. The ledge is in place and as far as the sides and face of the drift tunnel were concerned they also were of ore. A feature of the strike is that the pay shoot is solid and unbroken and is strongly mineralized throughout. The gangue is a white quartz, carrying gold, silver, lead and copper. From the face of the drift to the dike, towards which the drift is being driven, the distance is about 87 feet. Should the shoot continue that far, and it is almost certain that it will, it will be over 100 feet in length. The dike, which is to be met 87 feet from the present breast of the tunnel, is only 12 feet in width and it is more than likely that the pay ore shoot will be picked up on the west side of it, the present drift tunnel being to the east of the dike. There is a very strong surface showing east of the dike and the probability is that the ledge will be richer and wider west of the dike than it is east of it. After the connection is made by the upraise with the shaft and shaft is deepened another 100 feet blow the floor of the present drive, which will give a depth of from 400 to 500 feet on account of the sloping nature of the hill included in the Homestake ground, still richer ore should be found. Altogether, the outlook on the Homestake is most encouraging and there is every reason to believe that it will make a valuable mine, when the workof drifting along the ledge for 200 feet and the upraise has been made connecting the tunnel with the shaft has been completed. This work will occupy about ten weeks.

Le Roi.—The last work for some time to come has been done upon the old shaft through which so much money has come for the shareholders of this mine. Yesterday might have been seen the spectacle of the new system in full operation on the new shaft. The closing down of the old shaft practically cuts off the whole of the eastern workings of the mine from shipment. There is no thorough system of connection between the two workings. Hence until such time as the old shaft has been put into thorough order the shipments of the Le Roi will be considerably curtailed. Drifts run from the old shaft naturally were made with a grade running to the shaft so that the transportation of ore on the loaded trucks could be performed with facility. As the drifts from the new shaft was made on the same principle it follows that wherever the workings are connected a carload of ore from the eastern end of the mine would have to be pushed up hill in order to get into the western end. All the new workings will in future be run from the new shaft but the old workings will first have to be cleaned out. This will be done from the old shaft. As there is much ore in the stopes referred to the old shaft will be in work for many months to come. What is to be done at the present moment is the taking out of the hump in the middle of the old shaft, which interferes with the working of the mine and also to a serious degree endangers the life of those using the old shaft. Proper guides will be put in along the sinking and safeties placed in the skips which latter will be entirely renewed.

Le Roi No. 2.—There is very little work being done in the No. 1 with the exception of the sinking of the shaft which is making fair progress. There is only one drill at work stoping and the only reason for its presence is that a certain amount of ore must be sent down from the No. 1, situated higher on the hillsides than the Josie, in order that the Josie may be able to send down its ore over the flatter grade of the gravity tramway existing between the latter mine and the orebins on the railway track. The work on the Josie is principally on the Poorman shaft at its various levels, in the sinking of the shaft and in the continuation of the upraise into the Annie shaft. The Annie vein has been discovered to possess the same values at the depth now being worked at as on the surface and the possession of a new and well provided oreshoot is added to the wealth of this promising mine.

Rossland Great Western.—The shaft is well night completed. Work is in progress cutting out the station at the 800-foot level. No ore has been shipped yet and owing to the smelter having had a run down furnace it is probable that the expected first shipment will be delayed for a while. The work of assembling the machinery for the motor for the 40-drill electric compressor has been started. The huge bedplate of the motor was yesterday placed in position. The concrete foundations are thought to be sufficiently settled to permit of the dead weight of the machinery being placed upon them. No turning over will be possible for several weeks as the setting will hardly be solid enough to permit of any jarring.

New St. Elmo.—The north drift is in 123 feet from the north crosscut and the ledge is five feet wide and near the footwall there is five feet cmfwyp shrdluuu wall there is two and a half feet of ore that will average $18.50 to the ton. This shoot of pay ore is about 25 feet in length and still continues in the face of the drift. The ore taken from the pay shoot is being saved and will be shipped later on. The south drift is in 325 feet from the south crosscut.

Spitzee.—There is a good showing of ore of a high grade in the drift which is being run on the 50-foot level. The ore which is now being met is of a white quartz carrying excellent values. The drift is in about 13 feet and is in ore all the way. One carload of ore was sent to the Trail smelter during the past week and about the middle of the present week another will be shipped to the same place.

Kootenay Mines.—There is nothing of importance transpiring at the mine. The shaft is down to the station level at the bottom of the sinking and the station itself is being commenced. This work will have to be completed and the timbering placed in the shaft before drifting can be commenced on the lowest level in order to explore the vein. The bottom and sides of the shaft are still in ore.

Centre Star.—Shipments are being continued on a steady basis. The development work is steadily in hand and the mine is now well abreast all round in its work. The surface buildings are practically completed and nothing more will be done with the yard until the snow disappears from the ground.

War Eagle.—There is every expedition used to hasten shipments from the mine which are expected because of the better showing at the lower levels than that which obtained in the middle workings of the mine may be made. The exploration of the levels of the two lower floors is being continued.

Evening Star.—The developing of the ore bodies on the No. 3 level is in progress and there is an excellent showing. In order to get rid of the ore which is on hand shipments will be commenced this week.

I. X. L.—The work of extending the lower tunnel is in progress. Stoping continues from No. 2 tunnel. A carload of ore was sent to Trail from the I. X. L. during the week, as the Northport smelter has again consented to take ore.

Velvet.—The work of developing the several ore bodies in the Velvet continues. In the meanwhile the 18-drill compressor is being put together and should be ready for operation in a short time.

Iron Mask.—Work continues along the usual lines. The Iron Mask sent 113 tons of ore to the smelter during the past week.

Rossland Bonanza.—Work on the drift tunnel is being pushed and the showing of ore continues large and the values are of a satisfactory grade.

Cascade.—Work continues along the usual lines, but there were no developments of note during the week.

Douglas-Hunter.—Work on the lower tunnel continues and good progress is being made.

Portland.—Drifting on the 100-foot level continues and the showing of ore is satisfactory.

Northern Belle.—The crosscut tunnel is in for 271 feet and the face is in ore of a low grade.

Wallingford.—Drifting on the ledge is progressing and the showing of ore is fair.

SOME RICH CREEKS.

Districts Tributary to Kaslo and Their Prospects for the Year.

The long crosscut which was commenced a year ago to tap the Payne lead at a depth of 1,000 feet will be completed in about three months and will be 1,700 feet long. It will open an immense stoping ground, and will double the workings of the great mine, as up to the Payne has not been mined below the 550-foot level. Mr. W. E. Zwickey, manager of the mine, was in Kaslo this week en route to Sandon from the East, and gave the Kootenaian some interesting information regarding the property. One hundred men are at work and the shipments amount to about 500 tons a month. No difficulty is encountered in marketing the ore as the Trail smelter has contracted to take the Payne's output for the year. Last year about 1,000 tons a month was the regular shipment, and the increased charges of the smelters has reduced it by half. Mr. Zwickey says the Payne will make no effort to make large shipments on account of these increased charges, but will devote the larger amount of attention to development. When the eighth level is completed the mine will be in a position to make very large shipments when the price of lead again reaches a point when increased shipments will be an object. No decision will be made as to future development after the ore chute is encountered in the long tunnel until the company sees what it has.

South Fork of Kaslo.

The new wagon road up the South Fork of Kaslo Creek will probably be kept busy with traffic this year by the army of men who will be working at the camps which it opens up. Camp Mansfield will be opened up on a larger scale than ever and the Joker worked in a manner that will prove its richness. A long tunnel will probably be run from one of the lower claims to supply drainage and to tap the lead at a much greater depth than the present shaft and crosscuts. Some remarkable assays have been obtained from the Joker, and the great width of the vein proves it to be one of the richest properties in the province. It is understood that the experts who made several examinations of the property for the Old Country owners during the winter, have reported that it gives promise of remarkable richness, and in view of these reports a large staff of men will be put to work to develop it to a shipping stage. The vein has been traced for a mile on the surface, and very high assays have been obtained from ore taken from the different open cuts. When the Joker is opened up and its richness made public the head of the South Fork will probably see much active development. Along the creek the Bismarck and the Cork have been actively worked all winter. Two properties adjoining the Silver Bell are also being worked. On one of them a winze has been sunk 100 feet, and a very satisfactory showing has been made. It has the rich Silver Bell lead. A group of claims adjoining the Cork, and owned by Messrs. H. Giegerich, Chas. Dickson, J. P. Miller and R. B. Briggs of Kaslo, will be worked in the spring. They have the Cork lead, and the work already done has opened a fine showing of concentrating ore. The Liberty Hill group, across the creek, is now mixed up with litigation, but when matters are straightened out men will be put to work. The showing is very promising and among the best on the creek. There is every reason to believe that the Black Fox will also be worked again this year, as development on adjoining claims has proved it to have a very rich vein. Then there is always the hope that somebody with money will get hold of the Montezuma and place it where it should have been long ago, among the richest producers in the district. The Gibson, which is located on the Silver Bell lead, and already has about 1,000 feet of tunnels and drifts, will be opened up in all probability. There is now enough concentrating ore in sight to warrant the company in erecting a concentrator, for which they have sufficient water power crossing the property. There have been several shipments of clean ore made from the Gibson, which carried about 80 ounces of silver and 60 per cent lead. There are three distinct veins running through the property. The New Chum and Noble Friend claims, owned by J. P. Miller and partners, will receive some attention. They have a seven-foot lead, highly mineralized and containing one foot of clean ore. There are also innumerable other claims on the South Fork, and development work on them this summer will probably open up properties of considerable richness. In event of the smelter being erected at Kaslo there will undoubtedly be an effort made to develop the South Fork properties on a large scale.

Woodbury Creek.

One of the most promising creeks tributary to Kaslo is Woodbury. When the smelter is in operation here the Woodbury properties will undoubtedly make large shipments of ore to Kaslo. For the last three years ore has been shipped from Woodbury Creek, and all the work has opened up promising properties. Commencing at the mouth of the creek is the King Solomon Mining Company, which has a group of 40 claims, which cover a great deal of ground. The company has been working a large force of men for nearly a year. The chief development work has been confined to sinking a winze in the old workings of the former owners. A depth of about 150 feet was obtained, and drifting commenced both ways on the vein. In three other places tunnels are being run on the vein and the showing is very encouraging. The company is composed of American people, who have made every preparation for mining on a very large scale. An air compressor has been installed and all work is done by machinery. The buildings are very complete and commodious ones. This year work will be proceeded with more energetically than ever, and if the ore is there the company will become a very large producer.

Above the King Solomon group are three claims owned by Sam Underhill and partners. The vein has been tapped at five differnt levels. It is eight feet wide, very strong and well defined, and an assay from the paystreak gave 240 ounces in silver. It is a dry ore proposition, which further work will undoubtedly prove to be one of great value. A force of men have been at work all winter.

On the opposite side of the creek is the Grant group of claims, which has made several shipments of very high grade ore. A small force of men are now at work on the group, which is owned by the Grant brothers and Charles Rosseter of Ainsworth. It is a silver-lead property.

On the same dry ore belt as the Underhill property are two claims owned by Frank Clapp, on which 100 feet of tunnelling has been done, in ore all the way. It is a small vein, about 2 1-2 feet wide, and has assayed 140 ounces in silver.

The Silver Spray, owned by Charles Moore of Kaslo, is the next property. Considerable work has been done on it, and native silver encountered. The group comprises five claims, which give considerable promise, as the lead is wide and well defined and carries high values.

The Tecumseh and Pontiac are well known properties, and are now being worked by Charles Caldwell of Kaslo. The ore is very high grade, and during the winter a large amount of ore has been taken out for shipment. There is 1,000 feet or more of drifting on the vein, and the shipments already made have given very good returns.

Adjoining these claims, on the same vein, are the Daniel, Scranton and Bird, owned by Kaslo people. The vein is very prominent through the claims, and on the Scranton is the biggest surface showing on the creek. It assays very high, $60 in gold and 340 ounces of silver having been obtained from samples taken from the showing. Also on the same vein is the Woodbury group, consisting of several claims and owned by an American company, represented by Mr. Caldwell. From this group several carloads of ore have already been shipped, giving very high returns in gold, silver and lead. Development has been confined to drifting on the vein, and will be prosecuted energetically during the summer.

Further up are the Hill Top, Vernon, Lucky Bill and Lucky Bill Fraction, Olds and several other claims, with very good showings. On the other side of the basin containing these properties is the Native Silver group consisting of four claims, and owned by J. P. Miller of Kaslo and others. Considerable work has been done on them, opening up a vein eight feet wide, with a paystreak eight inches in width. Native silver is very prominent in the rock, and assays as high as 7,000 ounces have been obtained, and none have gone lower than 250 ounces. Eighty feet of a tunnel has been driven on the vein, in ore all the way, and a crosscut run to determine the width of the vein. It is a dry ore proposition.

This brings the traveler to the head of the creek, and over the summits is Camp Mansfield, where work already done has shown that the Saw Tooth range does not cut off the belt of rich ore. All the properties on the creek are easy of access, a very good trunk trail following the creek to its head. Some day Woodbury Creek will be known as one of the greatest ore producing districts in the province, and Kaslo will reap rich benefits therefrom.

Shroeder Creek.

Among the many mining districts tributary to Kaslo which give promise of being opened on a large scale in the near future is Shroeder Creek, a few miles up the lake from this city. It is about two years ago that showings carrying considerable value were found, and the discovery led to the staking of all the desirable ground. Energy, thus far, has been chiefly confined to assessment work, although on some claims considerable work has been done The claims are almost entirely owned in Kaslo. The showings are of silver-lead, with wide, well defined leads. The district is easy of access, the creek provides excellent water power and timber is abundant. The group upon which most work has been done is owned by A. Lindberg, Gus Carlquist and others of Kaslo. It comprises seven claims, and through all of them the vein has been traced. On one claim 120 feet of tunnel has been driven and very good ore encountered in the last 25 feet. On another claim 50 feet of a tunnel has been driven on the vein, which shows from 8 to 18 inches of solid galena. It has assayed 64 per cent lead and 150 ounces in silver, with some copper. Active development work will be proceeded with this spring.—Kootenaian.

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"H.M.S. Pinafore."

At a meeting of the Executive committee of the Rossland Amateur Operatic society, held last evening, it was decided not to go on with the opera.

Crow's Nest Dispute.

It is reported here that the Canadian Pacific has refused to lift Crow's Nest coal cars for Montana or other American points, until such time as the coal company has fulfilled its promise to supply British Columbia.

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The Steele-Briggs "Madame Perret" Pansy has very large pink-to-purple flowers. Sometimes they are 3 to 3 1-2 inches across. It has straighter, stiffer stems than the ordinary Pansy, and the flowers are held out from the foliage better. We will send our Catalogue and a Madame Perret Pansy seed packet by mail to you for 25c. Send today. The Catalogue is the largest Canadian seed catalogue.

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RICHARD PLEWMAN, Secretary, Rossland, B. C.

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CERTIFICATE OF IMPROVEMENTS

NOTICE.

"Cascade," "California" and "Royal Kangaroo" mineral claims, situate in the Trail creek mining division of West Kootenay district. Where located: On Grenville mountain, near Iron creek.

Take notice that I, William B. Townsend, F. M. C. No. B30938, acting as agent for the "Cascade" Gold Mining & Milling company, limited, of Rossland, Free Miner's Certificate No. B42044, 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 27th day of December, A. D. 1900.

1-13-10t. WM. B. TOWNSEND.

CERTIFICATE OF IMPROVEMENTS.

Notice.

Latest Out mineral claim, situate in the Trail Creek Mining Division of Kootenay district. Where located: Adjoining the Nest Egg mineral claim.

Take notice, that I, J. A. Kirk, acting as agent for John Powers, Free Miner's Certificate No. B, 30695, 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 January, A. D. 1901.

1-24-10t. J. A. KIRK

THE WINNIPEG MINING AND SMELTING COMPANY, LIMITED.

Take notice that a general meeting of the Winnipeg Mining and Smelting Company, Limited, will be held at the office of the Company, at the "Winnipeg" Mine, near Phoenix, B. C., on Saturday, the 23rd day of March, A. D. 1901, at the hour of eight o'clock in the evening, for the purpose of receiving the report of the Liquidator showing the manner in which the winding up has been conducted and the property of the company disposed of, and for the purpose of taking such action upon the same as may be deemed advisable.

Dated this 20th day of February, 1901.

RICHARD PLEWMAN, Liquidator.

Major Leckie's Visit.

Maj. R. G. Edwards Leckie, general manager of the Republic mine, passed through the city yesterday en route to Spokane, for the purpose of closing contracts with several mining companies operating in Republic that want their ores treated at the Republic mill. The Major denied the report respecting the failure of the new reduction plant. He added that in the prospective contracts he was prepared to guarantee the recovery of 90 per cent. of the assay values of custom ores.

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CERTIFICATE OF IMPROVEMENTS.

NOTICE.

"Bonanza No. 3," "Our Hope," "Bonanza No. 3 Fraction," "Our Hope Fraction," situate in the Trail creek mining division of West Kootenay district. Where located: On St. Thomas mountain, near Grenville mountain.

Take notice that I, Wm. B. Townsend, F. M. C. No. B30938, acting as agent for the "Rossland Bonanza" Gold Mining & Milling company, limited, non-personal liability, Free Miner's Certificate No. B42028, 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 27th day of December, A. D. 1900.

1-3-10t. WM. B. TOWNSEND.

AGENTS—"Queen Victoria: Her Life and Reign." Lord Dufferin introduces it to Canadians. Persons who never sold books taking orders fast. Everybody subscribes. Big book, beautifully illustrated. Low retail. Big commission. Prospectus free. Easy to make money fast. Bradley Garretson Company, Limited, Brantford.