The Phoenix Pioneer

AND BOUNDARY MINING JOURNAL.

ELEVENTH YEAR — PHOENIX, BRITISH COLUMBIA, SATURDAY, JANUARY 8, 1910 — No. 7

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—THE—

BIG STORE

We Wish One and All of our Many Customers a Bright and Prosperous New Year....

The Hunter-Kendrick Co.

1910

—SALE OF—

SILVERWARE

Our big stock of Fancy Chinaware, including many beautiful odd pieces for the table, all goes at

HALF-PRICE

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MORRIN, THOMPSON & CO.

Progress at Boundary Mines and Smelters during 1909

With the total ore production for 1909 greater by 100,000 tons than any preceding year, and with the present output of its mines and smelters twenty per cent greater than they were a year ago, the story of the Boundary district for the year just passed into history, is one of record advancement. There was no boom, but progress was made along substantial lines. And with many new and promising properties being developed, the resumption of activity in old ones, railways extending to reach new producers, and many prospects about to enter the shipping list, the outlook for still greater achievements in mining in this progressive section was never brighter at the beginning of a year than it is at present.

The Boundary is the premier mining district of the province, more than half the ore produced by mines in British Columbia being shipped from this district. *By reference to the ore table* in this issue it will be seen that the growth of the industry has been steady, and from the year 1900 to date, eight million tons of ore have been mined and smelted in the Boundary, representing approximately 170,000,000 pounds of copper.

When it is considered that the British Columbia Copper company had a forced suspension of three months, that Granby shipments were necessarily curtailed on account of two furnaces always being out of commission while undergoing the enlarging process, and that the Dominion Copper mines were off the shipping list for the entire year, the 1,600,000 tons of ore production in the Boundary during 1909 is remarkable. Thirteen mines contributed to this output, but three quarters of the tonnage was produced by the Granby and Snowshoe mines in Phoenix camp.

THE GRANBY

The total ore shipments from Granby mines during the past year were 1,067,983 tons, an increase of about 40,000 tons over the preceding twelve months, but, as stated before, the tonnage during 1909 was restricted on account of the work of enlargement going on at smelter. During its ten years of operations the Granby company has steadily expanded, and not only has it mined and treated close to 6,000,000 tons of ore in that time, but its smelter has been enlarged to a capacity of 5000 tons per diam, ranking third largest in the world, and its mines at Phoenix equipped to ship up to 6000 tons daily if necessary.

Granby's mining properties consist of the Old Ironsides, the Knob Hill, Victoria and Gold Drop mines, and 37 adjoining claims, some 1100 acres. There are four shipping outlets which are equipped so that any two, if necessary, could maintain an output of 4000 tons or more daily. The present shipments are running over 4000 tons of ore daily, and represents four trains of twenty 50-ton cars from the mines to the smelter every 24 hours.

More than two miles of development work was done at the mines, consisting of 7,109 feet of drifting and crosscutting, 3,866 feet of raising and 120 feet of sinking, a total of 11,185 lineal feet. This included the opening up of a new ore area on the Monarch claim, which makes its shipments through the Gold Drop outlet. The additions to plant and buildings during the year include electrically driven pumps installed on the 400- and 300-foot levels, the latter a 7x10 inch S.A. triplex plunger; an electric haulage system was put in on the 300 foot level, and on No. 2 level steam locomotives have been replaced by electric motors; an electric powder thawer has been placed in use and two new steel sharpeners, designed on the works, have been installed. A new and up-to-date machine shop, 60x100 feet, has recently been completed, as well as a brick building with concrete roof for storing thawed powder. Early in the year the company purchased the building, which they had rented for years as offices, and has made it very commodious.

At the Granby smelter the work of enlarging its capacity by 25 per cent., commenced in 1908, was completed last month. The improvements during the period mentioned include: Lengthening of eight 44-inch x 18 foot blast furnaces to 265 inches at tuyeres, and, by lowering the level of the furnace house floor, making the furnaces 18 feet to feed with 13 feet of charge; construction of additional ore and coke storage bunkers of a capacity, respectively of 7,000 and 4,000 tons; installing three copper converter stands, each 7 feet by 10 feet 6 inches in place of the 6x8 feet converters previously in use; substituting electric for hydraulic power for operating the converters, and providing 10 shells for the new stands; putting in a third blowing engine—a two cylinder, 40x40x42 inch Nordberg engine of latest type, with a capacity of 10,000 cubic feet of air per minute at 12 pounds pressure, and driven by electricity; two more Connersville rotary blowers making three of this size, besides eight or nine smaller blowers) each driven by two 150 horsepower induction motors, and having a capacity of 30,000 cubic feet of air per minute; and increases to electric power and all accessory plant in proportion. The new buildings consist of No. 1 blower room, 58x130 feet, with cement concrete floor, brick walls, steel columns and roof trusses, and corrugated iron roof; blowing engine room, 55x212 feet, and a wing on this building 42x70 feet, all of similiar construction to No. 1, above described; an 80-foot extension of the converter building, making this building 240 long, with an inside width of 40 feet, exclusive of two lean-tos—on one side 34 feet wide and on the other 24 feet, this large building being of regular mill construction—steel throughout, with corrugated iron walls and roof; and a converter-slag bin, of steel and having a capacity of 30 tons. The dimensions of the blast furnace building, which is of similiar construction *to that of the converter building are* length, 290 feet, and width, 84 feet, the main span being 71 feet and a lean-to 13 feet. The treatment capacity of the works, with eight furnaces running, is 4500 tons of ore a day; the converter capacity is 36,000 000 pounds of copper per annum. The quantity of ore treated in 1909, subject to revision of figures for December, taken as estimated was 1,060,000 tons. Railway connection between mines and smelter is by both the Canadian Pacific and Great Northern railway systems.

B. C. COPPER.

Although the mines of the British Columbia Copper company were closed for three months during the past year as the result of a fuel shortage at the smelter through the coal miners' strike in the Crow's Nest Pass, the tonnage from the mines and the production of the smelter are close to the figures of 1908. The company owns the Mother Lode, Oro Denoro and Wellington camp group, in this district, and the Napoleon and Lone Star mines in Washington state. Mother Lode shipped 350,000 tons; Oro Denoro about 10,000, and the Napoleon about 13,000 tons—all of which was treated at the company's smelter. At the Mother Lode, the principal shipper, some 1000 feet of underground development work was done and about 4000 feet of diamond drilling. The Oro Denoro had 200 feet of development work and 1200 feet of diamond drilling done on it, but like the Napoleon, was idle for about six months. Although no shipments have yet been made from the Jackpot group in Wellington camp, four miles from Phoenix, the C.P.R. is now constructing a branch line to the property and shipping is expected to commence about March 1st. The Jackpot group includes eight claims and was acquired by the company in 1908 and since that time over 2,500 feet of development work has been done, and a large amount of ore blocked out. Assay returns from this ore run as high as $20 per ton, principally in gold, with about two per cent copper. A boarding house, three bunk houses, store house, blacksmith shop, assay office and residence for the manager, Harry Johns, are the new buildings constructed. It is semi-officially announced that the C. P. R. branch now being built to the Jackpot group will be continued nine miles further to tap the B. C. Copper company's Lone Star mine, located immediately across the international boundary, and where some 300,000 tons of ore are blocked out.

At the British Columbia Copper smelter the tonnage treated, notwithstanding the three months' close down, was approximately the same in 1909 as in 1908. The company is credited with having reduced its copper production costs to 8.8 cents per pound in September and to 7.35 cents in October. While there have been no improvements to the smelter during the year, it is understood to be the intention of the company to shortly increase its capacity from 2000 to 3000 tons daily, in order to handle the increase in tonnage which will result in shipments from the Jackpot property and the Dominion Copper mines. A discussion of the British Columbia company, taken from the Denver Mining Record, appears elsewhere in this issue.

In May last, the assets of the Dominion Copper company were taken over by the New Dominion Copper company, and since that time the latter has passed into the control of the British Columbia Copper company. As a result of this it is expected that the reduction works at Boundary Falls will be abandoned and the Dominion ores treated at the British Columbia smelter. Exploratory work with the diamond drill is now in progress at the Dominion's Rawhide mine, about 30 feet being done each day, for the purpose of determining development work to be undertaken in order to secure a substantial regular output. The Brooklyn and Idaho mines will be explored later.

THE CONSOLIDATED COMPANY

The Snowshoe mine at Phoenix, operated by the Consolidated Mining and Smelting company under lease, is largely a quarry proposition and a minimum amount of development is required. The ore mined at the Snowshoe and treated at the company's Trail smelter during the year was 161,272 tons of a gross value of $726,566. The method of mining on this property in the open season is glory holing and in the winter underground stoping on the chamber and pillar plan. The cost of operating during the past year compared favorably with nearby properties. The property, it may be said, is practically a continuation of the Granby's Gold Drop mine and the Dominion's Rawhide. The ore body consists of a large blanket-like formation impregnated with copper to the extent of from 1 to 2 per cent, with gold and silver values amounting to about $1.50 per ton. The ore body attains a thickness of 80 feet in places, and on account of its position lends itself to cheap mining methods.

The Phoenix-Amalgamated at Phoenix is one of the company's properties that did not produce any ore during the past year, although development work was carried on. The most important work of this kind was the driving of a crosscut tunnel to tap the 100-foot level from the shaft. This will materially reduce the cost of mining, as compared with the previous method of hoisting. A tramway has also been constructed to convey ore from the tunnel to bins several hundred feet below, and to which a C.R.R. spur is now being built. Shipping will commence with a rise in the copper market.

The company has acquired several new properties during the year. One of the most important of these is the No. 7 Mine, located in the Central camp, about three miles southeast of Boundary Falls. This property has about half a mile of underground workings and has a sufficient amount of ore blocked out to justify the erection of a mill. It is the intention of the company to provide this in the spring with an aerial tramway, connecting the mine with the mill, which is to be located at Boundary Falls. The vein in this property is well defined and shows an average width of 2½ feet. The principal values are gold, silver and lead, while its character is white quartz, carrying sulphides. Besides the No. 7 the company has under bond the New York and Norfolk claims, the Cabin Fae fraction and the Black Jack claim. The company also located three claims during the year, under the names of No. 66 and No. 77. It is the company's intention to carry out a scheme of development on its new properties during the winter in order to put an additional amount of ore in sight previous to the erection of the mill. At present there are about 25,000 tons of ore blocked out in the No. 7 mine.

At Long Lake the construction of a 15-stamp mill is in progress, to treat the ore from the Jewel mine, the latter being connected with the mill by a gravity tram line to carry the ore. The mill is expected to be completed early in the spring.

The project of driving a tunnel from Greenwood into the hill upon which Phoenix is located was undertaken by the Greenwood-Phoenix Tramway company last spring. The company ran the tunnel about 200 feet by hand drilling, but is now installing a compressor and electric drills.

The Sally mine on the West Fork shipped 146 tons of ore to Trail smelter, which averaged about $115 to the ton. Shipments made from minor properties during the course of development work were: Golden Eagle, 390 tons; Little Bertha, 30; Bruce, 210; Molly Gibson, 104; Bounty, 60; Boundary, 19; Crescent, 13, and Tip Top 7. The last named property is at present being actively developed and is expected to soon become a regular shipper. At the Fife mine on Christena lake development work has been carried on during the greater part of the year and considerable new machinery installed and the present year should see it on the producing list.

Spokesman's Yellow Journalism.

What contemptible rot yellow journals will publish in order to give their readers something sensational! The Spokesman-Review last Monday published a story of a riot here which was a rank insult on the city of Phoenix; it was a canard without the slightest foundation. The Pioneer has made inquiries from Chief of Police Bunbury, who states that the story by the Colfax correspondent, quoting a certain telegram, was an entire fable.

Appointed Master Mechanic.

Samuel Potter arrived in Phoenix from Moyie on Saturday, to take the position of master mechanic at the Snowshoe mine. Mr. Potter has been connected with the Consolidated company's St. Eugene mine for some years and the new appointment is a promotion. He will move his family to Phoenix later.

GREENWOOD TAKES TWO FIRST GAMES

In the Boundary Hockey League

Greenwood hockey team have got away to a good start in the race for the Boundary hockey championship, having now two wins to their credit, while Grand Forks and Phoenix have each had a defeat.

GREENWOOD 4; PHOENIX 3

The first game in the Boundary Hockey league took place in Phoenix rink on New Year's night, when Phoenix lost to Greenwood by a score of 4 goals to 3. The two teams being evenly matched a good lively game was presented, and the supporters of either team among the spectators had plenty of opportunity for "rooting." The puck was faced at 9 p. m. by Referee James Church after a short introductory speech, and in two minutes McQueen found the net, and the first goal went to Phoenix; eight minutes later McDonald scored for Greenwood, followed by Clark for Phoenix in seven minutes, and Clerf for Greenwood in three minutes—the score at half time being a tie, 2 all. In the second half McQueen secured the third goal for Phoenix, while McDonald added two for the visitors. Just before time was called the Greenwood umpire raised his hand for another goal, but on examination it was clear the puck had never been inside the net. Very little roughness was indulged in, only two players going to the fence, and the referee's decisions were *highly satisfactory*. McQueen was easily the star man on the ice, though Watson did conspicuous work in securing the victory for the visitors. While Phoenix lost the game they were nevertheless opposed by the strongest aggregation Greenwood has had in years. The teams lined up as follows:

Phoenix		Greenwood
McQuerrie	goal	Watson
Simms	point	Russell
Lackey	c. point	McDonald
Clothier	rover	Bloomfield
Clark	centre	Clerf
McQueen	r. wing	Cameron
Traynor	l. wing	Rochon

GREENWOOD, 3; GRAND FORKS, 1.

Grand Forks and Greenwood teams fought out the second league conflict on the latter's ice on Wednesday evening, the result being a victory of 3 to 1 for the home team. It was a fast and furious game from the start and considerable roughness was indulged in, though none of the players were sent to the fence and very few off-sides were recorded. There was no scoring in the first half, but each of the teams scored a goal during the second half, so that when time was called it was a tie—one all. It was decided to allow five minutes' extra time each way to break the tie, and in each of the five-minute plays Greenwood scored, the final being 3 to 1 in their favor.

The Greenwood line-up was the same as played at Phoenix, while the Grand Forks team follows: Goal, Lank; point, Hay; cover point, Jost; rover, Mann; centre, Quinn; right wing, Baker; left wing, Reed.

PHOENIX V. GRAND FORKS

The next league match takes place at Grand Forks on Tuesday, Jan. 11th, when Phoenix will go after the cup holders. It is expected that a special train will be run from Phoenix over the Great Northern, and a large number of supporters will probably accompany the local team, as a good game is assured.

I.O.O.F. BRILLIANT SOCIAL EVENING

Snowshoe Lodge Entertains Daughters of Rebekah

Among the really enjoyable at-homes that have been given in Phoenix, that tendered the local daughters of Rebekah and their friends by Snowshoe Lodge, No. 46, I.O.O.F., in the Oddfellows' lodgeroom, Miners' Union hall, on Monday evening sparkles conspicuously. Never has a larger assembly graced the lodgeroom and seldom has it been the scene of such a pleasant function.

Early in the evening the newly-elected officers of Snowshoe Lodge were duly installed, and at 9 p.m. 150 guests arrived. Progressive whist engaged the attention of a sufficient number to occupy twelve tables, while merry dance was enjoyed by others present, Werner's orchestra rendering a splendid program of music. At the conclusion of a dozen games of whist, in which the races for opposite poles of success were equally contested, the leading trophies were captured by *D. G. Stafford and Miss Laura Pickard*, Mr. and Mrs J. Bateman securing the consolation prizes. At midevening a very dainty luncheon was served by Mrs. Marshall, while popular selections were rendered on a gramaphone. Dancing was then resumed and continued for another hour.

The ceremonies connected with the installation of Snowshoe Lodge's new officers were conducted by District Deputy Grand Master, J. F. McDougall, assisted by the following district deputy officers: D. G. Stafford, grand warden; C. H. Cook, grand mashall; W. A. Pickard, grand recording secretary; W. S. Cook, grand financial secretary; W. J. Rutherford, grand treasurer, and J. C. Tait, grand guardian.

The newly installed officers of Snowshoe Lodge are: Noble Grand, T. A. Love; vice grand, J. P. McKenzie; recording secretary, W. S. Cook; financial secretary, W. A. Pickard; treasurer, J. F. McDougall; chaplain, D. Paterson; conductor, F. E. Brine; warden, O. Gustavson; R.S.N.G., S. McLeod; L.S.N.G., L. J. Stalls; R.S.V.G., J. Noel; L.S.V.G., W. Ross; I.G., R. K. Morrison; O.G., N. McBeth; R.S.S., T. A. Bean; L.S.S., S. E. VanBuskirk.

L. O. L. Officers

At the regular meeting of Gold Range Loyal Orange Lodge, No. 2641, held on Dec. 29th last, the following officers were installed by W. Bro. R. K. Morrison, P. M., for the current year: W. M., W. A. Pickard; D. M., T. W. Pierce; chaplain, W. Ross; recording secretary, A. L. McKinnon; financial secretary, A. S. McLeod; treasurer, R. K. Morrison; D. C., M. D. McLeod; lecturer, James Walsh; senior committeeman, J. G. McKeown.

Joint Installation of Officers.

A joint installation of the officers of the four Knights of Pythias lodges—Phoenix, Greenwood, Grand Forks and Midway—in the Boundary will take place in Grand Forks next Tuesday evening. The Phoenix lodge will run a special train and it is expected that Greenwood and Midway officers will join them here and go along. The Phoenix hockey team and supporters will take passage on the same train.

F. W. Harting, news editor of the Inland Herald, the new daily paper being started in Spokane, was in town on Wednesday organizing his news supply from the big copper camp.

BOUNDARY ORE TONNAGE.

Jan 8, '10

The following table gives the ore shipments of Boundary mines for 1900, 1901 1902, 1903, 1904, 1905, 1906, 1907, 1908 and 1909, as reported to the Phoenix Pioneer—

MINE.	1903	1905	1904	1905	1906	1907	1908	1900	1910	Week
Granby Mines	309,858	393,718	549,703	652,889	801,404	613,537	1028,747	1,067,983	27,074	27,034
Snowshoe	36,800	71,312	.....	.....	8,426	135,901	48,326	170,360	4,440	4,440
Phoenix Amal.	.....	.....	.....	.....	.....	.....	245	.....	9,250	9,250
B. C. Copper Co.										
Mother Lode	141,326	138,079	174,998	147,576	105,900	208,321	321,849	350,433	.....	10,128
B C. Mine	14,811	19,395	.....	.....	1,488	1,712	.....	.....	.....	.....
Emma	8,530	29,937	37,960	9,485	11,804	18,274	.....	.....	.....	.....
Oro Denoro	.....	15,537	16,400	5,067	3,177	14,481	66,630	8,953	370	370
Bonnie Belle	.....	.....	.....	.....	70	.....	.....	.....	.....	.....
Dom. Cop. Co.										
Br'klyn-Stem	.....	.....	52,350	55,731	140,685	43,195	5,780	.....	.....	.....
Idaho	.....	.....	.....	.....	2,960	12,253	.....	.....	.....	.....
Rawhide	.....	.....	3,070	25,108	26,032	64,173	10,740	.....	.....	.....
Sunset	7,455	15,751	5,250	3,056	48,390	31,270	3,802	.....	.....	.....
Mounta Rose	.....	.....	1,750	4,747	3,555	31,258	530	.....	.....	.....
Athelstan	.....	5,646	4,586	.....	.....	.....	120	.....	.....	.....
Morrison	150	3,339	.....	.....	.....	649	.....	.....	.....	.....
R. Bell	560	.....	.....	.....	.....	.....	.....	.....	.....	.....
Senator	.....	363	3,450	1,833	.....	.....	.....	.....	.....	.....
Brey Fogle	.....	.....	222	.....	.....	.....	.....	.....	.....	.....
No. 37	.....	.....	364	.....	.....	.....	.....	.....	.....	.....
Reliance	.....	.....	33	.....	.....	.....	.....	.....	.....	.....
Sulphur King	.....	.....	.....	33	.....	.....	.....	.....	.....	.....
Winnipeg	785	2,435	.....	150	.....	.....	.....	.....	.....	.....
Golden Crown	625	.....	.....	.....	.....	.....	.....	.....	.....	.....
King Solomon	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Big Copper	.....	.....	.....	.....	586	.....	.....	.....	.....	.....
No. 7 Mine	482	.....	.....	.....	.....	.....	.....	.....	.....	.....
City of Paris	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jewel	2,060	.....	.....	39	.....	.....	.....	.....	.....	.....
Riverside	.....	.....	.....	.....	.....	90	.....	.....	.....	.....
Carmi	890	.....	.....	.....	30	.....	.....	.....	.....	.....
Sally	.....	.....	79	145	106	65	108	146	.....	.....
Kambler	.....	.....	.....	.....	76	.....	.....	.....	.....	.....
Butcher Boy	.....	.....	.....	.....	9	.....	.....	.....	.....	.....
Duncan	.....	.....	.....	.....	18	49	.....	.....	.....	.....
Providence	219	993	726	7.0	1 140	700	.....	.....	.....	.....
Elkhorn	.....	400	325	150	40	20	.....	.....	.....	.....
Strathmore	.....	.....	.....	20	140	55	.....	.....	.....	.....
Golden Eagle	.....	.....	.....	.....	.....	60	.....	390	.....	.....
Preston	.....	.....	.....	.....	20	.....	.....	.....	.....	.....
Prince Henry	.....	.....	.....	.....	15	.....	.....	.....	.....	.....
Skylark	.....	.....	2	535	589	.....	224	.....	.....	.....
Last Chance	.....	.....	50	689	.....	.....	.....	.....	.....	.....
E. P. U. Mine	.....	167	320	255	.....	.....	.....	.....	.....	.....
Bay	.....	.....	.....	73	.....	30	.....	.....	.....	.....
Mavis	.....	.....	.....	20	.....	.....	.....	.....	.....	.....
Don Pedro	.....	.....	.....	.....	40	45	.....	.....	.....	.....
Crescent	.....	.....	.....	90	.....	.....	53	20	.....	.....
Bruce	.....	.....	.....	.....	.....	.....	.....	210	.....	.....
Republic	.....	.....	60	20	.....	.....	.....	.....	.....	.....
Miscellaneous	325	500	750	500	.....	.....	.....	220	3,536	.....
Total, tons	508,876	690,419	829,808	933,628	1,165,537	1,148,737	1,487,480	1,598,715	40,094	40,094
Smelter treatment—										
Granby Co.	372,340	401,921	757,596	687,988	828,879	637,626	1037,514	1,042,837	26,889	26,889
B.C. Copper Co.	148,600	162,083	210,454	210,830	223,740	341,952	362,850	341,870	9,657	9,657
Dom. Cop. Co.	.....	132,570	30,930	84,059	218,811	153,439	22,666	.....	.....	.....
Total reduced	460,340	697,404	857,660	982,877	1,172,430	1,133,017	1,359,060	1,384,430	.....	.....

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T. ALFRED LOVE, MANAGER.

UNION LABEL

SATURDAY, JANUARY 8, 1910

Two Journalistic Milksops

(Saturday Sunset)

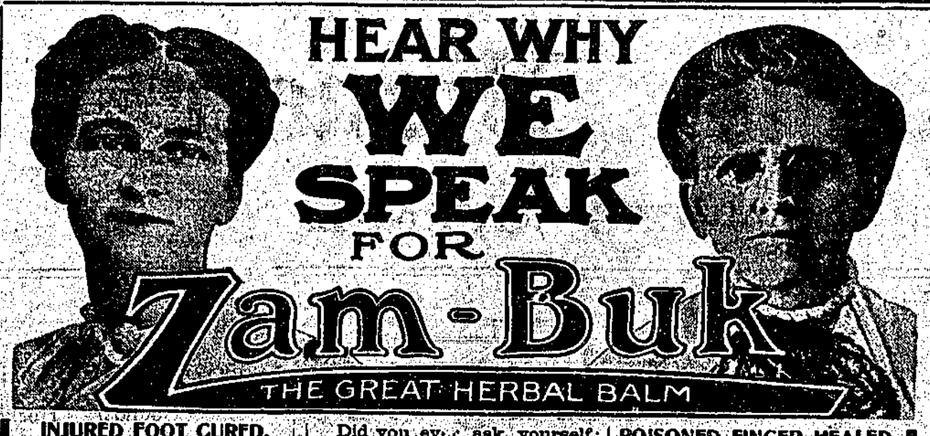
The Similkameen Star, a pap feeding Grit paper which supported the McBride Government, says the Saturday Sunset is "discredited." In what way? Because its railway policy was defeated at the polls? The Saturday Sunset sticks to its guns while pap feeders and partizan sheets like the Princeton Star and the Hedley Gazette betray their own district and run to the trough. The Saturday Sunset made a short railway connection between Vancouver and the Similkameen an issue in the election. Yet because it did not suit McBride's new allies, Mackenzie & Mann, he refused to entertain it. It had been the intention of this paper to take little or no part in that campaign.

When John Oliver adopted the Hope Mountain route as part of his policy, promising to build it as a government undertaking, it never for a moment occurred to me that the Similkameen papers could oppose such a platform. Certainly after years of agitation for it I could not, and for that reason I supported John Oliver and his party in the face of sure defeat. The Star and the Gazette had both given hearty endorsement to the policy advocated by the Saturday Sunset for the construction of that line—when there was no election in sight. At different times they told their readers about and commended the campaign this paper was waging for railway connection. They endorsed the campaign to the hilt. Yet when the test came and the principle they intended to support was on trial, and when the best interest of their district were at stake, like craven milksops they stampeded to the shelter of the trough. A nice pair they are to say any man or any paper is discredited. There is not enough courage or principle between the two of them to set up a jack rabbit in business.

They whine about this paper's ridicule of Premier McBride's shallow posing but they conveniently overlooked McBride's sneers and belittlement of a railway policy which meant everything to their district. They talk loftily because I paid Dick McBride in his own coin when he started a campaign of personal abuse and ridicule of myself and his other opponents. They put McBride on a pedestal and worship him but woe to the man who points to his feet of clay. The Similkameen Star should be the last paper in the province to talk of anyone being discredited.

A New Journal

GAS POWER AGE, the first copies of which have just come from the press, is a monthly magazine along new lines. The entire sixty eight pages of this new book, from cover to cover are devoted to subjects pertaining to the gas or gasoline engine, automobiles, motor boats and the new science of aviation. The new journal is gotten out by Gas Power Age, Ltd., Publishers, Winnipeg, and makes its appeal to all those interested in the gas engine from whatever standpoint.



INJURED FOOT CURED.

"I speak for Zam-Buk because it cured me of a terribly bad foot," says Mrs. Alice Berryman of 190 John St. North, Hamilton. She adds: "The injury was caused by a wagon wheel, and the sore was on my right foot. It became very inflamed and swollen and so painful that I fainted away. In spite of treatment, the wound got no better and the foot became more and more swollen until it was several times its usual size. The flesh was terribly bruised and blackened and it was quite impossible for me to walk. My husband's mother at last brought me a box of Zam-Buk. This was applied to the foot and it was surprising how soon I found relief from the severe pain. A further supply of Zam-Buk was obtained and I persevered in using this balm alone. In a couple of days the swelling had gone down considerably, the discoloration was less distinct and the pain was banished. In four days I could go about as usual: the bruised and injured foot had been thoroughly cured by the timely use of Zam-Buk."

Did you ever ask yourself: "How is it that Zam-Buk is so popular?" It is because it is superior and different to other salves. Contrast them! Most salves are nine-tenths animal oil or fat. Zam-Buk hasn't a trace of animal fat in it. Most salves contain mineral coloring matter. Zam-Buk is absolutely without! Many salves contain poisonous astringents. Zam-Buk doesn't.

Zam-Buk is actually more powerfully antiseptic than crude carbolic acid. Yet it stops instead of causing pain and smarting when put on a wound.

It heals more quickly than any known substance; abscesses, ulcers, eczema, blood-poisoning, cuts, scalp sores, chaps and all skin injuries and diseases. All druggists and stores sell at 50c a box or Zam-Buk Co., Toronto, for price. Send 1c stamp for trial box.

POISONED FINGER HEALED.

Mrs. Frank St. Denis of 305 Thompson St., Winnipeg, speaks for Zam-Buk because it cured her of a poisoned finger, which had caused her days of agony. Hear her experience. She says:

"One morning, while washing, I felt a slight pain in the end of my finger. This gradually got more acute until by the evening of the next day the end of the finger had become swollen and hard and as blue I became alarmed.

"The pain from it was almost too much to bear. It made me turn quite sick! Poultices of first one kind and then another were applied, but seemed to give me no relief. My daughter-in-law, who had had some previous experience with Zam-Buk obtained a box for me. I anointed the sore place liberally with this balm, and in a few hours, the throbbing aching pains were subdued."

"Further applications of Zam-Buk gave me more ease, so that I could get a little sleep. In a few days the nail came off, but after that Zam-Buk seemed to reduce the inflammation quickly. I continued its use until in the end it had brought about a complete cure."

OUR COPPER CORNER

MATTERS OF INTEREST TO THOSE INTERESTED IN THE COPPER MINING INDUSTRY

Higher Copper Prices Looked For

In a recent interview, Dr. James Douglas, one of the acknowledged authorities on copper, made the following statements:

"The disproportionate production of iron and copper during the past two years has been remarkable. For 10 years prior to 1907, the average consumption of the two metals was 84 tons of iron to one ton of copper. During 1905, when we were beginning to feel the stimulus of the boom, the production of pig iron in the United States rose rapidly from 16,500,000 to 23,000,000 tons: it remained stable during the two following years at between 25,000,000 and 26,000,000 tons but responded to the reduced demand in 1907-08 by falling to about 16,000,000 tons. This represented a decline of 38% in one year.

"During the same period, 1905, the production of copper was 390,000 tons, or an increase of only 7.04% over 1904. and yet in the face of a rising market, the copper companies were able to produce in 1906, only 409,000 tons. During the closing months of the following year, the Anaconda Co. closed down, and most of the sulphide companies reduced their production, bringing down the output from 409,000 tons in 1906 to 392,000 tons for 1907, or 17,000 tons under 1906. But despite the trade depression, all the copper mines resumed active work in 1908 and the production in that year exceeded that of 1907 by 31,000 tons, though the domestic consumption of the United States declined 22,000 tons. This occurred in the face of a decline in the production of pig iron of 38%, and of a similar decline in the domestic consumption of iron and steel.

"The balance between the production of pig iron and pig copper was thus temporarily disturbed, and the disturbance became more marked during the first half of the present year. This condition necessarily involved an accumulation of the red metal.

"For the past nine years, the average world's production of pig iron, and pig copper has been 76 tons of iron to one of copper. In 1908 it was only 63 tons to one of copper. This is a startling variation from the average. If instead of a consumption in the United States of 84 tons of iron to one ton of copper, only 78 tons of iron were consumed in 1908 to one ton of copper, while copper to the full measure of one to 85 was being turned out, more copper was being made than there was a market for.

"But during the third quarter of the present year the tide has turned, and is running in the opposite direction. While the output of copper has continued large, and the consumption slight, the demands on the iron and steel trade for actual consumption have become rapidly so great as to outstrip in great measure the efforts of the copper producers both old and new, to keep pace with them. Assuming that the average proportion of the iron production and the copper consumption is correct, and that it will be maintained, if iron production and copper consumption should continue for any length of time to proceed at the present rate, the stock of copper on hand will rapidly disappear, and the balance be restored. It may however, take some time to adjust the disturbed equilibrium."

Western Mining Romance

Victoria, Jan. 3—The romance of western Canada mining speculation is aptly illustrated in the experience of H. G. Potts, a real estate broker of this city, who late in November acquired a section of 160 acres of land forming originally a pre-emption in the Portland canal mining district, at the extreme northerly boundary of this province. The price paid was $8,000. Two days after the purchase, strikes of high grade ore on properties immediately contiguous made the establishment of a new camp a certainty of the future, and Pott's tract being the only available townsite in the neighborhood, it was sold to a New Yorker, who will build a new city at the foot of the hill's. The price was $105,000 spot cash. Potts had held his property just 15 days before he secured a profit of $97,000 on his $8000 investment.

The Copper Merger

The Engineering & Mining Journal says: We are inclined to think that the much discussed copper consolidation—meaning the combination of Cole and Ryan, Amalgamated, and Guggenheim interests—will fail of consummation, although the project has not yet been abandoned. It might have been affected had it been sprung when contemplated, but the Standard Oil decision checked that. The Physcologic moment has been missed, and the deferred plans are likely to sink under the weight of criticism and ridicule, the temper of the public being unfavorable to combinations that aim to boost prices.

Sales of Lake at 14 Cents

Boston—Sales of Lake copper have been made at 14 cents and electrolytic at 13⅞ cents and the market has recovered to the level existing some time ago. In fact as regards electrolytic it is now at the best price attained for months.

While inquiries are in the market looking for commitments as far ahead as June, or through the first half of next year, it is doubtful if any has been contracted for beyond March.

A Lake company has just sold a round tonnage at 14 cents for January and February delivery, although it is probable that the entire amount will be taken up next month.

AN EXPERIENCED HOUSEWIFE

knows that Sunlight Soap means a wonderful saving of time and labour in house-cleaning.

Whether with hot or cold water, nothing gets the dirt off so quickly and without injury as Sunlight Soap.

Use it the Sunlight way
Follow the directions.

Honored by Women

When a woman speaks of her silent secret suffering she trusts you. Millions have bestowed this mark of confidence on Dr. R. V. Pierce, of Buffalo, N. Y. Everywhere there are women who bear witness to the wonder-working, curing-power of Dr. Pierce's Favorite Prescription—which saves the *suffering sex from pain*, and successfully grapples with woman's weaknesses and *stubborn ills*.

IT MAKES WEAK WOMEN STRONG
IT MAKES SICK WOMEN WELL.

No woman's appeal was ever misdirected or her confidence misplaced when she wrote for advice, to the WORLD'S DISPENSARY MEDICAL ASSOCIATION, Dr. R. V. Pierce, President, Buffalo, N. Y.

Dr. Pierce's Pleasant Pellets induce mild natural bowel movement once a day.

NOTICE

PUBLIC NOTICE is hereby given to the electors of the Municipality of Phoenix, that I require the presence of the said electors at the City Hall, Dominion Avenue, on the 10th day of January 1910, at 12 o'clock noon, for the purpose of electing persons to represent them in the Municipal Council as Mayor and Aldermen; and School Trustee. The mode of nomination of candidates shall be as follows:

The candidates shall be nominated in writing; the writing shall be subscribed by two voters of the municipality as proposer and seconder, and shall be delivered to the Returning Officer at any time between the date of notice and 2 P. M. on the day of the nomination, and in the event of a poll being necessary, such poll will be opened on the 13th day of January, A. D. 1910, at the City Hall, Dominion Avenue, of which every person is hereby required to take notice and govern himself accordingly.

Persons qualified to be nominated for and elected as Mayor for the Corporation of the City of Phoenix, B.C., shall be such persons as are male British subjects of the full age of twenty-one years, and are not disqualified under any law, and who have been for the six months next preceeding the day of nomination the registered owner in the Land Registry Office, of land or real property, in the City of the assessed value, on the last municipal assessment roll, of one thousand dollars or more, over and above any registered judgment or charge, and who are otherwise as municipal voters.

Persons qualified to be nominated and elected as Aldermen for the Corporation of the City of Phoenix, B.C., shall be such persons as are male British subjects of the full age of twenty-one years, and are not disqualified under any law, and who have been for the six months next preceeding the day of nomination the registered owner, in the Land Registry Office, of land or real property in the City, of the assessed value, on the last municipal assessment roll, of five hundred dollars or more, over and above any registered judgment or charge and who are otherwise qualified as municipal voters.

The qualification by law required to be possessed by the candidates for the office of School Trustee is as follows:

In every School District, any person being a householder in the School District, and being a British subject of the full age of twenty-one years, and otherwise qualified by this Act to vote at an election of School Trustees in the said School District, shall be eligible to be elected or to serve as a School Trustee in a School District.

Given under my hand at Phoenix, B. C., the 3rd day of January 1910.

H. HARTLEY,
Returning Officer.

MINERAL ACT.

(FORM F.)

Certificate of Improvements.

NOTICE.

McKinley Mineral Claim, situate in the Greenwood Mining Division of Yale District.

Where located:—In Providence Camp

TAKE NOTICE, that I, A. A. McIntosh, Free Miner's Certificate No B26468, intend, sixty days from 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 Fifth day of January, A. D. 1910.

A. A. McINTOSH.

DEANE'S HOTEL

DANNY DEANE, Proprietor

This is the Largest and Newest Hotel in the city, heated by hot water and well furnished throughout for the accommodation of the public. Everything Neat, Clean and Up-to-Date. Meals served at all hours, special attention being given the Diningroom.

Centrally Located on the Bridge, Fifth Street, Phoenix.

STEAM HEATED. ELECTRIC LIGHTING. TELEPHONE 48.

Hotel Brooklyn

The Only First-Class and Up-To-Date Hotel in Phoenix. New from cellar to roof. Best Sample Rooms in the Boundary, Opposite G.N. Depot. Modern Bathrooms.

Steam Heated

JAMES MARSHALL, Prop. Phoenix, B.C.

Greenwood Liquor Co.

We furnish the trade all over the Boundary with the Choicest Imported and Domestic

Wines, Liquors and Cigars

As we ship direct in Carloads, we can make the prices right, and give prompt shipment.

Jas. McCreath & Co.

GREENWOOD, B. C.

PALACE LIVERY STABLE

UNDER NEW MANAGEMENT

FIRST-CLASS EQUIPMENT FOR LONG DRIVES, LIGHT OR HEAVY TEAMING, DRAYING, Etc., at Reasonable Rates.

We aim to Please and Solicit an Opportunity.

DRY WOOD IN ANY QUANTITY.

McElroy Bros. (PHONE 34) Phoenix, B.C.

EGGS! EGGS! EGGS!

Choice Selected Large "Ontario" Eggs.

These are admitted to be equal to "New Laid" or "Ranch" Eggs. We are giving special prices on case and half-case lots.

P. BURNS & Co., Ltd. Phoenix, B.C.

PHONE NO. 2

THE

EASTERN TOWNSHIPS BANK

Employs a system which makes it easy for its out-of-town depositors to open accounts and transact business by mail with any of its

81—EIGHTY-ONE BRANCH OFFICES—81

DETAILED INFORMATION FURNISHED ON REQUEST.

PRINTING

WHEN YOU WANT PRINTING DONE, you want it done properly. To do it properly you must have experienced men. The PHOENIX PIONEER has the men, the material and the machinery to do the work. Send us your next order for printing—no order too big, none too small. We do everything in printing, and will give you satisfaction.

PHOENIX PIONEER

DRAYING

Of all kinds promptly attended to. Rapid Express and Baggage Transfer. Careful attention to all orders. Phone A6

JAMES G. McKEOWN

A. S. HOOD,

Fire, Life and Accident Insurance General Agent

Bank Block, Phoenix, B.C.

S. O'HANLEY

SHAVING PARLORS AND BATHROOM.

Next Door to McRae Bros. Knob Hill Avenue. PHOENIX, B.C.

Matthew's Barber Shop

LOWER TOWN.

FOR AN EASY SHAVE AND STYLISH HAIRCUT

BATHS IN CONNECTION

KingEdward Lodge, No. 30

A. F. and A. M.

Regular communication 3 p. m. Second Thursday of each month. Emergent meetings as called; Masonic Hall, McHale Block.

W. S. COOK, Secretary. R. S. FRASER, W.M.

I. O. O. F.

SNOWSHOE LODGE NO. 46

Meets every Monday Evening at Miners' Hall. Visiting brethren cordially invited.

JOHN C. TAIT, Noble Grand
W. A. TICKARD, Fin. Secy.
W. A. COOK, Record. Secy.

PHOENIX AERIE NO. 158

FRATERNAL ORDER OF EAGLES

Meets in Union Hall Friday evenings. Visiting brothers always welcome.

J. McIver, W. P.
C. McARTOCHIN, W. Sec

K. of P. LODGE, No. 28

FRIENDS OF PYTHIAS

PHOENIX, B.C.

Meets every TUESDAY EVENING at 7.30. Sojourning Brothers Cordially Welcomed.

F. C. GRAHAM, K. of R. S.
R. H. McCRACKEN, C. C.

WOOD

First-Class Fir and Tamarac Wood, $5 per cord

Pine Wood, $4.50 per cord

Pine Wood, double cut, $6.00 per cord

Wood Delivered on Short Notice. 'Phone B 32

Johnson & Anderson

New Year Specials

Now is the time to think about that piece of Furniture your wife wants.

Our new line of Mission and Golden ¼-Oak Rockers has no equal.

Our Rug Rack

Call and have a look at our new Rugs, and the way we have of displaying them. No trouble to show them, the rack does it all.

Have a look at our Pictures for Xmas.

The City FURNITURE Store

C. F. EDWARDS, Prop.

COLUMBIAN COLLEGE,

Founded 1892—Incorporated 1893.
NEW WESTMINSTER, B.C.

Provides a Christian home for students of both sexes at moderate rates. Has a preparatory class for junior students, doing grade public school work. Does high school work, confers all high school privileges, and prepares for teachers' examinations. Teaches all branches of a Practical Business Course and gives Diplomas. Gives a liberal education in its Collegiate Course and in the Ladies' Course for M.E.L. and M.L.A. In University work, can take students through the complete Arts Course, and the degree of B.A. can be obtained from Toronto University, which the college is in intimate affiliation.

For fuller information and terms write Rev. W. J. Sipperell, B.A., B.D., Principal; or Rev. J. P. Bowell, Bursar.

B.C. Copper Coy. Promises Handsome Rate of Earnings

(Denver Mining Record)

The principal mines of the British Columbia Copper company constitutes one of the group of three properties in the Boundary district, British Columbia, just north of the Washington line which are now producing or have produced copper from extensive but very low-grade disseminated ores, applicable to direct smelting. The most important of the three is the Granby Consolidated, which has wholly passed the stage of experiment and is in complete trim. The least important is the Dominion Copper company, which has tried to accomplish the same profitable results, but has failed and still remains to fulfill its promise, in the light of what has been done in the other properties. The British Columbia Copper company, while working on a smaller scale than the Granby, is credited with being able to make copper just as cheaply. Adolph Lewisohn and associates, who are in control of the British Columbia, have lately gained control of the Dominion, and it is considered probable that the two will be united. In fact, the feeling prevails that these will be united with the Granby, and that the triple merger will become a unit in the still lager copper consolidation engineered by J. P. Morgan, with the assistance of the Amalgamated Copper company, the Cole-Ryan interests and the Guggenheims, especially since the Lewisohn copper selling agency is likely to be included. In this series of discussions, The Record recently dealt at length with the Granby company.

PROBABLE PRODUCTIVITY. As in the case of the last-mentioned concern the profits of the British Columbia low-grade mines are made possible by a fair proportion of gold and silver in the ores. The costs last year, without allowing an offset for the precious metal values were between 14 and 15 cents per pound of copper, or too great to allow for any profits in average times. The recovery of gold and silver brought the costs down to below 10 cents a pound. It is the expectation that, with the operation of the company's smelter up to capacity, the costs will be further lowered, and it is intimated by the management that, under these conditions, the concern may soon pay dividends again. (When we say "again," we refer to the fact that the company paid 40 cents a share in 1907). The smelter has a nominal capacity of 600 tons daily for each of its three furnaces, with a converter in addition. Steps have recently been taken to install a fourth furnace and to enlarge the capacity of those already in, the idea being to attain a daily capacity of 3,000 tons of ore. Unless a copper merger should affect the plans, it is understood that these improvements will be paid for out of earnings. With these in view, a normal average of 1,000,000 tons of ore per annum may be expected. The grade of the ores is slightly lower than those of the Granby, which recovers about 25 pounds of bullion to the ton, and thus far the British Columbia has shown a recovery in the neighborhood of 20 pounds, though it is understood that it is now doing better. On a basis of 20 pounds to the ton, an annual output of 20,000,000 pounds may be anticipated. Some of the ores carry as high as $2 a ton in gold, but the average is nearer to $1 a ton, and the silver values bring the precious metal contents up to $1.25 a ton, according to recent experience. Allowing these values as an offset against costs, the company reported its costs for the fiscal year 1908 as 9.69 cents per pound of copper, and it is the hope that this figure will be reduced to 9 cents. A permanent annual profit of only 3 cents a pound of copper would thus give the concern annual earnings of $600,000, or nearly 75 per cent upon its outstanding capital stock.

INDICATED YIELD ON INVESTMENT. The company has an authorized stock issue of 600,000 shares, par value of $5 a share, of which 503,000 shares are in the hands of the public. In the open market, on the New York Curb, the price has shown only moderate fluctuations during the present year, selling mainly between $7 and $8 a share. In former years it has sold as high as $15 and as low as $3.25, while during the recent copper share movement it went to $8.25. At $8 a share a valuation of about $4,000,000 is indicated for the enterprise, and the assumed rate of earnings from copper at 13 cents a pound, costs at 10 cents a pound and an output of 20,000,000 pounds a year, would be equal to more than 16 per cent upon the present investment. One may shift his view of the matter and count only upon the early prospects of the corporation—namely, an annual production of 15,000,000 pounds, accompanied by the fact that during the period in which it may be limited to this output, the next year or more, the price of copper will doubtless average higher. We doubt if 14 cents a pound is too high an average to figure on during the next year, while subsequently it promises to run much higher. A 4-cent profit on 15,000,000 pounds is the same as a 3 cent profit on 20,000,000 pounds. In considering the permanent run of the property, with its probable increase of capacity, we have purposely rated its earning power on the conservative basis of 3 cents a pound profits, to indicate the rather high rate of earnings on the present investment that may occur under limited conditions. The company has not provided itself against the possible tie-up of its fuel supply by reason of labor troubles, as has been done in the case of the Granby, and it may be subject to this annoyance at any time—a fact which should perhaps be rated into the computation. A permanent run of 15,000,000 pounds of copper per annum, at a profit of 4 cents a pound is equal to $600,000 a year, so that it appears to be a comparatively easy matter for the company to earn as much as $1 a share upon its outstanding capital. Upon a market price of $8, these earnings are equal to 12 per cent. a year. With continuous operations during the next two years, and an average profit of 5 cents a pound from 15,000,000 pounds, it should be able to earn $1.50 a share, or 19 per cent upon the investment at $8 a share.

That the British Columbia company's mines will be in the producing class for a good many years is the general expectation. In the Mother Lode mine, which is the principal property, the management estimates 3,000,000 tons disclosed, which are sufficient for four or five years with three furnaces in operation. The prospects for much larger tonnage development from ore bodies scarcely touched are generally considered excellent.

The Miner

The old prospector he finds the claim,
The young surveyor he marks the same,
And the carpenter builds the gallows frame,
And the teamster he hauls the coal.
The foreman tells 'em the way to do,
The engineer hoists a cage or two,
But listen to this I'm a tellin' you—
It's the Miner that digs the hole!
Colonel—another bowl!
I'm dry as a roasted sou;
I've had to choke
On powder smoke,
My teeth are full of the rock I've broke,
For I am one poor son-of-a gun,
A Miner who digs the hole!

When the Lord first planted the copper ore,
He said: "I'll pack it away in store
Where nobody'll get it out no more,
Unless he's a human mole."
But he reckoned without the Miner man,
Who isn't built on the regular plan,
And so, since the bloomin' earth began,
The Miner he digs the hole!
Colonel—another bowl!
My tongue is black as a coal;
And my ears still sound
With that fall of ground
That nearly caught me the second round;
For I am classed with the boys who blast—
The Miners who dig the hole.
He must work in gas and see in the dark,
The music he hears is the air drill's bark;
It isn't no "picnic in the park,"
It isn't no cinch he's stole.
He's carpenter, plumber, machinist—yes,
A sort of surveyor, too, I guess;
A little of everything—more or less,
The Miner who digs the hole!
Colonel—another bowl!
I'm fat with my pay-day roll,
With rent and such
It ain't so much,
But I'm glad I'm walking without a crutch!
For I am one poor son-of-a-gun,
A Miner who digs the hole!

There's the fire to fight and the "miners' con,"
Rickety ladders to step upon,
A missed hole found—and a miner gone,
And you'll hear the church bells toll.
But hell!—we've got to "make her pay!"
And we get our three and a half a day,
So, have another on me, I say!
You Miners who dig the hole!
Colonel—another bowl!
Heaven's our final goal!
The mines are hot,
But they're all we've got,
And they'll last a while, as like as not,
And we are the ones—poor sons of guns—
The Miners who dig the hole!

—Berton Braley, in Saturday Evening Post.

Fire Escapes Ordered

The provincial police are sending an edict out to all hotelkeepers in the province who are doing business outside of incorporated towns and cities commanding them if their premises are over two stories, to immediately construct suitable fire escapes as a means of protection to their guests.

Card of Thanks

We wish to extend our sincere thanks to all the friends whose sympathy and services were so kindly tendered in our time of bereavement, and especially to Mr. and Mrs. O. B. Smith, the Scandinavian Aid and Fellowship Society and the Phoenix Miners' Union, whose kind assistance will not soon be forgotten.

FRED CARLSON,
BERNA CARLSON.

Phoenix Railway Timetable.

C. P. R.

Leaves for Eholt and Nelson,	1.25 p.m.
Arrives	5 00 p.m.

GREAT NORTHERN.

Leaves for Grand Forks and Spokane	9.00 a.m
Arrives	5.00 p.m

Was it insured? Everybody asks this question after a fire. If you have no insurance on your house or furniture or stock, don't put off taking out a policy till after a fire has occurred. D. J. Matheson represents the strongest companies in the world. Rates moderate. See him.

If you are thinking of building or require building material of any kind—lumber, shingles, lime, brick—call on me for figures. Phone A 44. C. A. Ross.

CASE OF BRONCHIAL CATARRH PROMPTLY RELIEVED BY PE-RU-NA.

MR. J. C. HERVUS PELLETIER

Bronchial Catarrh Unless Stopped Often Spreads To The Lungs, Causing Catarrh of Lungs.

J. C. Hervus Pelletier, Dep't de l'Agriculture, Ottawa, Ont., writes: "The Peruna is particularly efficacious in the cure of catarrhal affections of the lungs and bronchial tubes, and it is in consequence the remedy most appreciated here in Ottawa. Six bottles cured me this winter of bronchitis. I am completely restored and I owe thanks to the Peruna. I have recommended this remedy to a large number of my friends afflicted with the same trouble, and they have verified my good opinion of this valuable remedy."

CATARRH of the bronchial tubes often very quickly becomes catarrh of the lungs. Catarrh of the lungs makes the patient an easy victim to the germs that cause tuberculosis. Sound lungs protect themselves against disease germs.

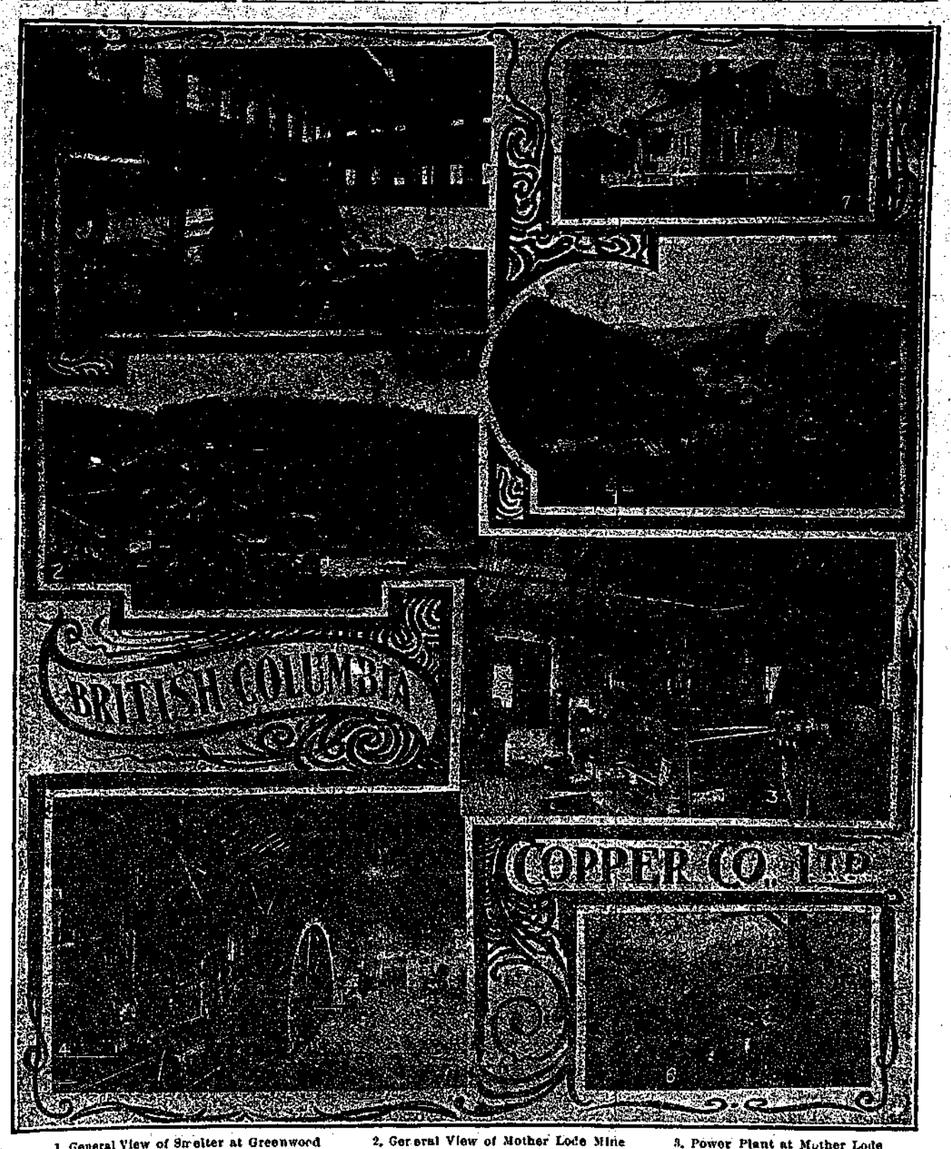
Peruna has acquired a lasting reputation in relieving catarrh of the throat, bronchial tubes and lungs. This should prevent the tubercular bacilli from gaining any foothold in the lungs, and saves the patient from the inevitable result.

Mr. Wickliffe R. Smith, Editor of The Potlatch Herald, formerly Principal of the Schools at Cameron, Idaho, writes: "For some time I suffered with catarrh of the throat and bronchial tubes. I tried many remedies, but could find nothing that would give me relief.

"Finally I tried Peruna. Three bottles cured me, made me sound and well. I believe it will do as much for others as it did for me. I shall be glad to recommend it to those suffering with catarrh."

Ask Your Druggist for a Free Peruna Almanac for 1910

The Pioneer for Fine Commercial Printing and all kinds of Poster work.



1. General View of Smelter at Greenwood
2. General View of Mother Lode Mine
3. Power Plant at Mother Lode
4. Power Room at Smelter
5. Interior Converter Room
6. Dumping Hot Slag at Smelter
7. Residence of F. Keffer, Engineer

Canadian Crops

According to government returns, value of crops in Canada harvested during 1909 is $532,992,100, an increase of $109,900,900 over 1908. Value of wheat in Canadian Northwest is $121,560,000, an increase of nearly $50,000,000.

Independent But Filthy

Spokane, Wash., Jan. 6—Boasting that he had not taken a bath in 15 years, nor tasted food in nine weeks, J. P. Peterson, a native of Sweden, for three years a lodger in the Big Island house in Spokane, with $4,800 in bank certificates and $80 in gold securely strapped under his left arm, was arrested by order of the city health department and bathed in a tank at the county jail. The bath required the services of four "rasties" and occupied two hours. He was afterward sent to a local hospital, where he will have a daily plunge and scrub during his stay.

Rio Tinto-Treadwell Mine

LOCATION—Three and One-Half Miles south east from Curlew, Washington.

PROPERTY—Seven claims, RIO TINTO, MASCOTT, COLUMBIA, MAMMOTH, MINT, TREADWELL and CALUMET.

VALUES—Gold, Silver, Lead and Copper.

LEDGES—The property has **Four Distinct Ledges.** Giving the remarkable opportunity of **Four Chances to One,** as against the average property.

PROGRESS OF DEVELOPMENT—Tunnel No. 1 is now in about 170 feet. It has been in Ledge No. 1 for more than 40 feet. The quality of the Ledge Filling is improving with every foot of work. It will require about 30 feet more to reach the East Wall, when the values will be better.

LEDGE No. 2—It is planned to reach Ledge No. 2 by March.

A Great Opportunity to Make Money

Stock is being offered at **5 Cents per Share**---One-Third Cash. One-Third January 10th, and One-Third February 10th.

J. L. MARTIN, VICE-PRESIDENT AND MANAGER

Dominion Hotel DEC. 28 to JAN. 2nd

Why Freeze?

Even though it be cold weather we can clothe you in garments that will keep the shivers away. Try a suit of our ALL-WOOL UNDERWEAR and you will be surprised at the comfort you have been missing—and the price is nominal. Our stock of GENTS' CLOTHING is complete. Let us supply your requirements.

Thomas Brown

THE FINEST QUALITY IN MILK and CREAM AT

THE DAIRY

PHONE
STRICTLY FRESH EGGS
J. W. HANNAM, PROPRIETOR

Phoenix-Greenwood Stage Line

Leave Phoenix, upper town, 9.30 a.m.
" " lower town, 10.00 a.m. } Standard Time
Leave Greenwood - 3.00 p.m.

Prompt Attention to Express and Freight.

PHOENIX OFFICE, WITH McRAE BROS., KNOB HILL AVE.

GILLIS & LAING, Proprietors

Bargain Sale

IN

HAND-MADE SHOES

CALL IN AND LET US SHOW YOU THE QUALITY OF FOOTWEAR WE CAN OFFER YOU; SHOES THAT WILL BOTH FIT AND WEAR . . . . . .

PHOENIX SHOE SHOP

A. T. TURANO, Proprietor

Your Opportunity

Now is your chance to secure many of the little decorations and requirements of the home at Bargain prices. We have a large and varied selection of articles left over from Christmas which we wish to clear, and are offering them at a big reduction. Buy yourself a present now at half-price.

McRAE BROS., LTD.

STATIONERY PAPERS MAGAZINES

Phoenix Beer

Pure and wholesome. Cold and as bracing in its coolness as a breeze from the North in Summer.

Is Recognized by all as the "BEST BEER IN THE BOUNDARY."

WHY? Because its manufacturers employ all of their energy to the turning out of a perfect Beer from the best materials obtainable.

ARTIFICIAL AND NATURAL ICE, ETC. PHONE 23

Phoenix Brewing Co.

NOTICE.

In the matter of the Land Registry Act and in the matter of the Title to Lot 22 and part of lot 21, block 11, map 59, Town of Phoenix.

WHEREAS the certificate of Title to the above hereditaments being certificate No. 4827A in the name of Betty Larson has been lost or destroyed and application has been made to me for duplicate thereof.

NOTICE IS HEREBY GIVEN that a duplicate certificate of title to the above hereditaments will be issued at the expiration of one month from the date of the first publication hereof, unless in the meantime valid objection to the contrary is made to me in writing.

W. H. EDMONDS,
District Registrar

Land Registry Office,
Kamloops, B.C.,
Nov. 3rd, 1909.

LESSORS NOTICE

NOTICE IS HEREBY GIVEN the business men and public generally, that I have leased the Dining Room of the Dominion Hotel to J. L. Clark from month to month, to be conducted at his expense. Neither the Dominion Hotel nor myself will be liable for any expenses or debts contracted by the said J. L. Clark.

Dominion Hotel,
By J. B. Boone, Manager.

NOTICE

PUBLIC NOTICE is hereby given that the CANADIAN PACIFIC RAILWAY COMPANY (as Lessee of and exercising the franchise of the Columbia and Western Railway) has this day deposited in the Land Registry office in the City of Kamloops in the Province of British Columbia, plan profile and book of reference showing a proposed branch line to be constructed by the said Canadian Pacific Railway Company from M. 5.5 of the Phoenix Branch of the said Columbia and Western Railway, to Wellington Camp, and that thirty days after this notice or so soon thereafter as the application can be heard, the said Canadian Pacific Railway Company intends to apply to the Board of Railway Commissioners for Canada for approval of the said Branch.

Dated this First day of December, 1909

R. MARPOLE,
General Executive Assistant,
Canadian Pacific Railway Company

NOTICE.

To whom it may concern: Notice is hereby given that Mrs. Sophia Nelson and the undersigned have separated and that I will no longer be responsible for any accounts incurred by her.

CHARLES NELSON

Local and General.

For sale, good coal heater; apply at Pioneer office.

Dry wood in car lots. Apply to J. Trombley, Phoenix, B.C.

Before buying your furniture elsewhere, call on R. J. Gardner.

Ladies dress goods; the finest selection in the city at R. Horrell's.

Miss Mamie Coutts has gone to Spokane to attend high school.

For cleaning and pressing try Wallace, the tailor; goods called for and delivered.

Team work of all kinds promptly attended to; apply to W. W. Miller, phone B32.

Miss Eva Vaud returned on Thursday to Spokane, where she is attending school.

Edward, Edwards and family left this week for their former home in the old country.

Mrs. Thomas Oxley and son went to Grand Forks Wednesday on a short visit to friends.

Born—In Phoenix, on Monday, Jan. 3rd, to Mr. and Mrs. William Wilson, a son

New lines of goods specially for the holiday trade being received daily at Love's drug store.

Dr. Simmons, dentist, will be at his office in the bank block, Phoenix, from the 10th to 13th inst.

See D. J. Matheson about housekeeping rooms in the McArdle & Anderson block, First street, upper town.

Lifebuoy Soap is delightfully refreshing for Bath or Toilet. For washing underclothing it is unequalled. Cleanses and refines.

The illustrated lecture on the North Pole in the opera house Wednesday evening evening was well attended and a very interesting discourse was given.

Nelson Carson and Janies Summers returned to town on Saturday after a three-months' trip to Ontario. They were in the east selling stock of the Phoenix Smelting and Development company.

Between acts two and three at the Bonnie Briar Bush show Monday evening, Frank Miles, musical director, late organist of All Saints church, Northampton, England, will render his famous pianologue.

While loading ore from a chute in one of the lower levels of Granby mines on Monday, Dan Leachmann fell from the platform on which he was standing and received a fracture of the skull. He is now progressing favorably at the hospital.

Acting Mayor Rogers, Aldermen Hillier, McKenzie and McKeown were present at a meeting of the city council on Wednesday evening, when the business for the year 1909 was wound up. No business of importance was transacted.

In a series of discussions of mining companies, the Denver Mining Record has been dealing with the Boundary producers. Its last issue contained an article on the British Columbia Copper company, which is reproduced elsewhere in this issue.

Greenwood got away with the annual New Year's curling competition between the clubs of the two cities last Saturday. Four Phoenix rinks went down the hill and four Greenwood rinks came up, 16 rinks taking part. Of the eight games played, Greenwood won five.

If the country editor were to snap at all the inducements held out he would soon become a millionaire. If he ran a paper according to the popular notion he would be in the poor house. If he published all the items that were sent to him he would be in jail half of the time and in the hospital the other half.—Ex.

Do you know the whereabouts of Toussaint Grouex? He left Montreal twelve years ago and later worked for some years in Phoenix mines, after which he went to San Francisco. He is about 38 years of age, and relatives are inquiring for him. If any of our readers know of his whereabouts they will confer a favor by addressing the Pioneer.

In Ian McLaren's beautiful story, "The Bonnie Briar Bush," which comes here on the 10th inst., theatre goers are to be entertained with a charming play in which Scotch life is portrayed with a simplicity of treatment, together with a delightful combination of dramatic intensity and rich humor such as rarely is found in the latter day performances. McLaren's tales of Scotch folk have proven one of the most successful book dramatizations now being used for stage purposes.

It is about time the theatre-goers of Phoenix took a tumble to themselves and make an effort to be seated in the opera house before the curtain rises for a show. It is not only a great annoyance to performers to have half the audience arrive late, but it is a nuisance to those who have reached their seats in good time and want to see the whole performance. Of course, we recognize that coming late and promenading the aisles alone offers a splendid chance for others to see your new hat or your new girl, but this is to be provided for. All ladies wishing to show off their new hats, and beaux with new girls are requested to come a little late and take a seat at the back of the hall. After the first act they will be allowed to pass down the aisles to their seats and exhibit their "newest." Those without anything new should reach their seats before the curtain rises. The Bonnie Briar Bush will start at 8:30 sharp.

FALLS TO DEATH IN GOLD DROP MINE

Axel Carlson Loses His Life On Sunday

An unfortunate accident occurred at the Gold Drop mine on Sunday morning, whereby Axel Kondrad Carlson lost his life. Although other miners were close to him at the time, none were eye witnesses of the accident, but Carlson is thought to have become overbalanced on the bench on which he was working and fell a distance of 40 feet, alighting on his head. His skull was badly fractured and death was instantaneous. Coroner Black presided at an inquest on Monday afternoon, when the jury returned a verdict of accidental death.

Deceased was 19 years of age, and a native of Malmberget, Sweden, where he had worked in mines prior to coming to Phoenix a year ago. A brother Fred, and a sister, Berna, reside in Phoenix, while his mother lives in Sweden.

The funeral took place on Tuesday afternoon under the auspices of the Scandinavian Aid and Fellowship society and was very largely attended. Services were conducted in Miners' Union hall and interment took place in the city cemetery, Rev. R. W. Hibbert officiating.

The late Mr. Carlson was very popular with a large circle of friends and six close friends—Gus F. Erickson, Axel Fernstrom, Axel Strand, Erick Lindberg, John Anderson and Andrew Matson—acted as pall bearers.

THE BONNIE BRIAR BUSH ON JAN. 10

Scotch Comedy Drama in Phoenix Opera House

The play that has won all hearts, "The Bonnie Briar Bush" will be presented at Phoenix opera house Monday, Jan. 10th. This delightful play of "Auld Scotland" is one that is familiar to and appeals to all playgoers in its simplicity and charming naturalness. A new and elaborate scenic production has been made for this season, and the company which contains many of the old and original members is a very large one, comprising as it does, Alexander Milne, a well known character actor in the role of Lachlan Campbell, W. G. Colvin, who will again be seen as Postie, Miss Evelyn Walley, a charming young actress who will appear as Flora, William White, a well known stock actor who is winning success as Tammas Mitchell, and Marion McDonald who is still appearing as Kate Carnegie. Dorcas Matthews late of the Edmonton Stock Company will be seen as Annie, Marie Lindsay as Margeret, the talented Lindsay children as Geordie and Jeannie, William Moikle who is delighting audiences everywhere by his delightful interpretation of the part of Dr. MacClure, and many others of note.

Another feature which adds local color to the always enjoyable performance is the appearance of a Scottish bagpiper who plays at every performance of the play.

The matron of Phoenix general hospital wishes to return thanks for the following Christmas donations to the hospital: W. S. Macy, Christmas hamper and turkey; Mrs. W. Walters, chicken; P. Burns & Co., turkey; Dr. Dickson, books and boxes of cigars for patients; Mr. and Mrs. O. B. Smith, flowers; R. Horrell, books; Hunter-Kendrick Co., fruit.

IS WELTERWEIGHT CHAMPION OF B. C.

Billy Biner Figures in Bouts at Vancouver

In the provincial amateur boxing championship bouts which took place at Vancouver on New Year's night Billy Biner of Phoenix won the welterweight championship.

Biner left Phoenix three months ago for Los Angeles, and after a stay there went to Vancouver and joined the athletic club of that city. The Daily Province contains the following reference to the bout:

"W. Biner showed nice style in the welterweight class, but he had two hard battles. Biner met his clubmate, G. Addison, first, and secured a clean-cut decision in three rounds. He was very weak when he stacked up with Jack Newcomb in the final, but he put up a heavy battle. Newcomb had the better of the first two rounds, but Biner came back well in the third, and the judges disagreed. In the extra round Biner used his left well and clearly deserved the victory."

BINER WAS POPULAR

Daily World: "Will Biner, who had already figured in one hard bout earlier in the evening, came on in the final of the welterweight championship, against "Smiling Jack" Newcombe. Jack was a trifle over-confident and took things too easy in the first two rounds with the result that he lost a golden chance to win a championship. Biner was very tired and showed it before the first round was over. It was mostly a series of clinces varied with an occasional long right from Biner and a few wild swings by Newcombe who towards the end of the round landed pretty frequently. Jack's smile grew quite pronounced in the second round when Biner got so tired that he could hardly keep his feet when Newcombe put his weight on him in the clinches. Newcombe had a good margin in the second round, but in the third Biner made several desperate rallies and mixed so cleverly that he managed to even things up and an extra round was ordered. And this extra round made a great wind up for the evening. The sympathy of the crowd was naturally with Biner and encouraged by the cries of his friends, he summoned all the reserve energy he had and went after his lanky but elusive opponent in fine style. For a portion of the round Biner kept Jack on the defensive, but made little impression on the man with the Fitzsimmons shoulders. Jack did not help matters any by trying to hit in the clinches occasionally and as a result of Biner's good work in the extra spasm, he was awarded the decision—an award that greatly pleased the fistic fans.

Annual Review Number.

In keeping with its usual custom, the Nelson Daily News on Wednesday issued its annual review number, covering the progress of the mining and lumbering industries of British Columbia for 1909. The mining review is edited by E. Jacobs, who is probably the most authoritative man on the leading industry of this province, and is most complete; no important development work has been overlooked. It is a 32-page edition, well illustrated, and is not only a creditable production on the part of the Daily News, involving a great deal of labor, but will be a valuable advertisement for the entire province and Kootenay district in particular.

"Should Auld Acquaintance Be Forgot."

PHOENIX OPERA HOUSE

One Night Only One Night Only

Monday, Jan. 10

IAN McCLAREN'S
Beautiful Scotch Idyl

"The BONNIE BRIAR BUSH"

ORIGINAL PRODUCTION, INCLUDING MALE QUARTETTE, SCOTCH BAGPIPERS . . . . . .

RESERVED SEATS, $1.00; Now Selling at T. Brown's

Watch Repairing

We are now in a position to do first-class work promptly, and at a reasonable price. Our watchmaker has had years of experience on English and American watches.

We can replace any broken part with an exact duplicate made by the factory that made the watch, or if it is an old style watch we can make the missing part ourselves.

Also Jewelery, Repairing and Manufacturing. Nugget Jewelery made to order. We have a large selection of Nuggets just from Alaska. WORK THAT WILL STAND COMPARISON. PRICES RIGHT.

E. A. BLACK, THE JEWELER

WHEN YOU WANT

First-Class Tailoring

COME TO THE OLD RELIABLE AND ONLY TAILOR IN PHOENIX

R. Horrell

SPECIAL $45 OVERCOATS for $35

Household Laundry Work

A multitude of household worries are overcome by having your Laundrying done at the Reco Laundry.

ALL WORK GUARANTEED Hello! 'A 10

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PRINTING is our business and we are here to please you. The next time that you want any Billheads, Letterheads, Envelopes, Statements, Circulars, Cards, Dodgers—in fact, anything in PRINTING, phone 15 and we will show you samples : : :

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FERROL

WILL

Stop THAT Cough

FERROL is a creamy emulsion of Cod Liver Oil with sufficient flavoring to cover the fishy taste. We recommend it highly, especially for the Cough or Cold that has settled on the chest.

Price, One Dollar per bottle

LOVE'S DRUG STORE

PRESCRIPTIONS CAREFULLY ATTENDED TO.

UPPER TOWN PHOENIX, B.C.

THE KING'S HOTEL

"The Pride of the Boundary."

PHOENIX, B. C.

Newly renovated and newly furnished, modern in appointments and centrally located, culinery department par excellence, and Bar stocked with choicest liquors and cigars, the King's is headquarters for travellers. Bus meets all trains. Commodious sample rooms.

The King's Grill

Short Order Meals served in the King's GRILL at all hours.

E. P. SHEA, Proprietor W. R. WILLIAMS, Manager

Here's a Hint!

GOOD CREAM OR MILK, such as the PHOENIX DAIRY BRAND, is the basis of a tempting meal. It makes everything taste better. Try it—and you'll always buy it. All milk is aerated before being sold.

W. A. McKAY & SONS,

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FIRE, LIFE AND ACCIDENT.

FIDELITY BONDS. PLATE GLASS

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PHOENIX, B.C.