

THE GRANBY WORKS

ALL SIX FURNACES AT THE SMELTER TO BE IN BLAST THIS WEEK.

THE MINES NOW CALLED ON TO PRODUCE 2000 TONS OF ORE DAILY.

PHOENIX, B. C., Nov. 14.—Ore shipments from the Granby mines in this camp are now being increased to the rate which is expected to be continued for months to come, namely, from 1800 tons daily to 2000 tons each 24 hours, and G. P. R. officials are straining every effort to supply the dump cars and the motive power to handle this increased tonnage between the mines and the smelters.

There are today five furnaces in blast at the company's smelter at Grand Forks, and tomorrow or Monday the sixth furnace will be placed in blast, giving the works the maximum capacity which they are capable of until further contemplated enlargements are made—some time in the coming year. The mine equipment is fully capable now, with the two 30-horse air compressors and two steam drills, of handling a daily tonnage up to 5000 tons.

As the smelter itself the improvements that have been made in the last few months have been many, so that the normal capacity, which has been to turn out blister copper at the rate of about a million pounds monthly, will be increased now to a capacity of close to a million and a half pounds monthly.

Besides the slag-hauling locomotives for taking off the hot slag from four of the six furnaces, the new additions to the smelter include the two new water jacket furnaces, manufactured, as were the others, by the Allis-Chalmers company of Chicago. Three new Connellville blowers have also been added, thus providing one blower for each new furnace, with one in reserve for emergencies. The flue dust chamber has also been enlarged by 250 feet.

In the electrical department the additions comprise one 25 horse power motor in the furnace room, for the purpose of operating the additional automatic furnace charging apparatus, of the type already in use at the smelter, and which were patented by the superintendent, A. E. W. Hodges; also three 100 horse power motors to operate the blowers. The transformer capacity has been added to the extent of 1100 horse power, affording a total of 1700 horse power transformer capacity. This is for use only for the power furnished by the Cascade Water, Power & Light Company, Limited, the Granby company having 1100 horse power developed in its own power house on the river bank below the smelter.

With these improvements the Granby smelter is now undoubtedly, with its stand of two copper converters, the largest copper smelter in the Dominion of Canada. As there seems to be no trouble in regard to the supply of coke, it is expected that the smelter will be able to operate indefinitely to its fullest capacity, requiring some increase in the working forces at both mines and smelter, where now close to 700 men are employed.

ORE IN DEEP LEVELS

REPORTED STRIKE ON 1000 LEVEL OF THE WHITE BEAR MINE.

ABOUT PROPERTY THAT DISPLAYS MARKED ACTIVITY JUST NOW.

The statement is made that the White Bear mine has broken into its main ore shoot on the 1000 level of the mine. Since the level in question was reached about a month ago development work has proceeded steadily, the main drift being carried a short distance and two crosscuts run for about 31 feet each. It was in the crosscut that the ore body under discussion was encountered.

The vein on the 1000 level of the White Bear is declared to be of exceptional width, with the preponderance of ore low grade, as would be natural under such conditions. The low grade material is described as of excellent concentrating quality, and the company is now negotiating with the Elmore company in respect to the installation of a mill on the Elmore system. The company is also said to have under advisement a smelting system now in practice at an experimental plant near Tacoma, the feature of which is the Cation patent furnace. It is claimed for this system and furnace that the most refractory ores can be treated at \$2 per ton. No coal, coke or charcoal is used, the heat being furnished by a combination of super-heated steam, crude oil and oxygen brought together in complete combustion to any degree of heat required to reduce the particular ore undergoing treatment.

In event of concentration being selected as the method of utilizing the White Bear's low grade ores, the company has provided for a mill site and water supply, the latter being drawn from the Canadian Smelting company's flume near Trail and returned thereto after being utilized.

It is asserted that the extensive ore body in the deep levels of the White Bear contains paystreaks of high grade ore, and that the principal of these was struck at the increased depth yesterday. Particulars as to the extent and values are not divulged, but it is understood that the company figures on breaking down ore of this grade for shipment as soon as the new hoisting plant is installed in the headworks now practically completed. The railway siding from the Spokane Falls & Northern is being rushed forward to completion to permit of this winding

machinery being delivered at the shaft-houses.

The information respecting the developments in the deep levels will be generally received with gratification, inasmuch as the effect of the discoveries will add another considerable producer to the list of Rossland's shipping mines.

SNAP FOR THE CITY

MUNICIPALITY CAN NOW TAX INSURANCE COMPANIES AS TRADERS.

LONG DEBATE AT CITY COUNCIL RESPECTING LICENSE BYLAW.

The city council is wrestling with amendments of an important nature to the Trades License bylaw, and if they are advised correctly the corporation will be decidedly the gainer when the new ordinance is in effect. The principal feature of the amendments is the addition of a clause taxing all insurance companies other than fire insurance companies. Under this amendment every insurance company having an agent in Rossland will be required to contribute a half-cent every six months to the city treasury. There are enough life insurance agents in the city to make these semi-annual contributions assume a handsome total, without figuring on the accident and plate glass protection concerns.

It is asserted that the power to thus assess insurance companies is vested in corporations under recent amendments, and if this is the case the fire insurance companies should certainly be included. Then the city would indeed have a snug revenue from this source. It is distinctly pointed out that the agents of companies are not made liable for the tax specified, but that the companies themselves are to pay it. The whole proposition is an innovation, and will probably be heard from when an effort is made to enforce its regulations.

Another amendment is the cutting down of the auctioneer's license from \$50 semi-annually to \$10. Under these conditions an auctioneer might be able to exist in the community.

Long and animated was the debate last night as to the license on peddlers and hawkers. It was pointed out that some peddlers were worthy of more consideration than others. For instance, some aldermen are of opinion that the man who brings to the doors of citizens vegetables raised near the city is somewhat of a convenience and should not be taxed on a scale that would put him out of business. On the other hand, all the aldermen desired the "kibosh" applied with every peddler, but this seemed to have been rejected, probably on the ground that it smacked of class legislation.

The Trades License bylaw was advanced past the second reading and will be put into effect by the end of the month. It was the only matter of any interest brought up at the fourth meeting of the city council held last night, except the passage of an account of \$12 for volunteers who helped at Saturday's fire.

PINCHES ROSSLAND

HOW EAST KOOTENAY OIL LANDS DISBARMENT EFFECTS CITY.

DEVELOPMENT OF CONCENTRATION RESTRICTED—OPEN THE OIL LAND.

The question of successful concentration of the silicious ores of the Rossland camp has reached the stage where no further doubt as to the efficiency of at least two processes enters into the problem, and the goal now to be sought in connection with concentration is that of reducing milling costs to the point where the scope of milling will include the lowest possible grade of ore. The matter of labor charges enters into the calculation upon the scale on which concentration is applied, the per ton costs for labor decreasing as the tonnage handled increases. Something of a substantial nature is to be accomplished by having machinery to be used exclusively in concentrators placed on the free list.

Power is already comparatively cheap, but some further saving may be made in this direction if the demand for power increases largely. As both systems of concentration now established locally employ oil to a greater or less extent, reductions in the cost of oil will very materially affect the situation, and this avenue seems to afford the easiest channel for immediate reductions in costs.

Canadian oil refiners have as yet failed to supply the desired quality of the product used in concentrating—oil of high viscosity, low specific gravity, high flash point and low price. It is the first three essential features that Canadian oils tested to date lack. Herbert M. Fullerton of Nelson was in the city yesterday on business. Edward Baillie of Poplar Creek was in Rossland yesterday. Mr. Baillie is

the local representative of W. M. Newton of London, who owns some of the buildings damaged in last week's fire.

FIELD PRODUCTS.

The Yields of Canadian Farms in Three Census Years.

The census department has issued a bulletin showing field products of Canada as given by the census of 1882, 1890 and 1900 respectively. The totals were:

Cereals, 1880, 142,461,890 bushels; 1890, 175,545,724 bushels; 1900, 232,415,911 bushels.

Seeds—1880, 324,317 bushels; 1890, 484,880 bushels; 1900, 460,832 bushels.

Roots—1880, 108,820,204 bushels; 1890, 103,170,443 bushels; 1900, 131,427,943 bushels.

Hay and Forage—1880, 5,063,003 tons; 1890, 7,693,673 tons; 1900, 4,104,085 tons.

Tobacco and Hops—1880, 5,404,195 pounds; 1900, 12,270,948 pounds.

ATTACK ON CAPITAL

DOMINICAN REBELS MAKE DETERMINED EFFORT FOR VICTORY.

THEY ALSO ASK RECOGNITION FROM THE UNITED STATES.

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AROUND THE CITY

(From Wednesday's Daily.)

W. Wylie Johnston of Vancouver is in the city in connection with the interests of the Western Assurance company.

Thomas S. Gilmour was unanimously re-elected secretary-treasurer of the Curling club on Monday night. Mr. Gilmour held the office for the past five years.

The police investigated several saloons late last night in search of gambling alleged to be under way. No traces of games were discovered after a thorough examination of the places visited.

The managers of the hockey club held an important meeting last night. It was decided to change the name of the organization from the "Victoria Club" to the "Rossland Club." The club colors in future will be blue and white instead of black and white. The club will go in with the Knights of the Golden Horseshoe on the concert and dance eventuating on the 17th inst. A general meeting of the club will be held on Thursday night at 8 o'clock in the Hotel Allan.

William Davis, M. E., returns to Nelson this morning, having concluded the business which brought him to Rossland. He is operating the Hunter V. mine in Ymir camp, and attaining marked success in connection with the property. The product is an excellent lime rock carrying high values and can be handled at the smelters at exceptionally low figures, owing to the fluxing qualities of its lime constituents. The company is putting in a tramway between the mine and railroad, which will be completed about the 1st of December. It is expected that large and continuous shipping operations will be in effect.

The charter of the Rossland Power company is now undergoing the process of being legally advertised. The charter provides for the section in lot 367, group I, together with the right of way between the main line of the Canadian Pacific and the mill site. The company is empowered to mill ores near Trail and to transport and supply water to additional plants to be established wherever desirable. The construction of pipe lines from Murphy, Rock and Stoney creeks is provided for, and the same are described as follows: Six hundred and fifty inches from Murphy creek, 100 inches from Rock creek and 200 inches from Stoney creek. The estimated cost of the undertaking and works is placed at \$100,000, which is actually subscribed before the company commences construction. A time limit of 30 days from November 5 is stipulated as the limit for commencing work on the undertaking and one year for its completion.

PERSONAL

W. De V. LeMaistre, formerly a resident of Rossland but now of Revelstoke, where he has been practicing law for upwards of a year, left for home last night after a brief sojourn here visiting his numerous friends. Mr. LeMaistre has prospered greatly since moving to Revelstoke. Last summer he made a successful sale of a large timber area on the Duncan river, from which he cleared a handsome sum. He has decided to go to Edmonton in the near future, where he will practice law in partnership with W. S. Deacon, also an ex-Rosslander. The name of the new firm will be Deacon and LeMaistre.

Henry Lye, appraiser for the insurance companies interested in last week's fire, arrived in the city last night to undertake the work of valuing the losses.

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Power is already comparatively cheap, but some further saving may be made in this direction if the demand for power increases largely. As both systems of concentration now established locally employ oil to a greater or less extent, reductions in the cost of oil will very materially affect the situation, and this avenue seems to afford the easiest channel for immediate reductions in costs.

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