

THE I. X. L.

Why It Is Sent to the Smelter.

(Rossland Miner)

"In the Rossland, B.C., district, the I. X. L. mine, with so-called free milling ore and a ten-stamp mill, presumably suited to the treatment of the ore, is shipping its ore to the smelters, it being stated that the cost of milling and the attendant loss of values are greater than the cost of treatment at the smelter. It would appear from this statement that either the ore is not free milling or that the mill work is not as efficient as it might be. Where an ore is free milling it can be treated in such a mill at a cost much below that of smelting silicious ore anywhere. Much of the rich gold ore of Cripple Creek district of Colorado goes to smelters, but the telluride ores of that district are not, strictly speaking, free milling."

The above appeared in the Mining and Scientific Press of San Francisco, and Mr. Roy H. Clarke was seen yesterday, and said that the I. X. L. found it convenient to send the medium grade ore taken out during the development work because it was more economical at present for the company to do so. The loss under the mill process on ore taken out from the O. K., an adjoining property, was from 20 to 25 per cent. Take an ore that runs \$10, and the loss of 20 per cent. would leave \$8, and then deduct the cost of milling, and this would leave \$7. On this class of ore it would be cheaper to mill, as the cost of hauling the ore to the smelter at Northport and treating it there, is only \$4.50 per ton, which is a much cheaper rate than is charged anywhere else in the United States. Ore that goes \$10 would leave \$6.50, and this class of ore should be treated in a mill. Take ore that goes \$20, and after paying the cost of transportation and treatment in the smelter, there would remain \$15.50 for the miner. If this ore were treated in a mill the loss of 20 per cent would leave \$16, and then take \$1 per ton for milling, and this would leave only \$15. This class of ore should be sent to the smelter, and there is a gain of 50 cents per ton in favor of the smelting process. Take ore that goes \$30 to the ton, and this is the class of ore that is being sent to the smelter from the I.X.L. and the loss of 20 per cent in the mill would leave \$24, and then deduct \$1 for milling expenses, and it would leave \$23. By sending it to the smelter there is \$25.50 left for the mining company after paying the freight and treatment charge of \$4.50.

The ore of the I.X.L. is what is commonly called a free milling ore. It carries a small percentage of base metals. There is some iron pyrite, copper pyrite, and a little galena in it. In the I.X.L. there are three grades of ore. In the course of the development, under the new management, there has been taken out about a ton of ore that carries free gold that is worth from \$1,500 or \$2,000 to the ton. Besides this, 200 tons of ore that goes from \$30 to \$40 to the ton has been extracted. In addition to this 500 tons of ore has been taken out and stored in the dumps, which is roughly estimated will go from \$10 to \$12 to the ton. The ore so far extracted has been taken out in the course of the development work. No attempt has been made to stop. When the mine is fully developed and stoping begins in earnest, it is very probable a mill will be used for the reduction of the ore. This will be done unless it is found that the ore becomes more base with depth.

The lower tunnel in the I.X.L. is in for a distance of 305 feet. It is expected that the ledge will be met within the next 10 days. This will give an ore shoot with a depth of 160 feet, and an average width of four feet.

CALIFORNIA.

The main tunnel is in for a distance of 235 feet. The crosscut from the main tunnel is in for 31 feet. Work on the combined shaft and compressor building is making good progress, and work is being pushed on the other structures in course of construction. The office of the company has been removed from the Imperial building to the mine.

PARIS BELLE.

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

ETHEL GROUP.

Operations on the Ethel group, which is the property of the Pavo Consolidated Mines, is making good progress. On the 68-foot level the crosscut is in for a distance of 20 feet. The face of the tunnel is solid mineralized rock. It is anticipated that the ledge will be met in the next 20 or 25 feet.

VELVET.

Work continues along the usual lines, but there was nothing out of the usual order during the past week.

GIANT.

The ledge has been uncovered for a distance of 75 feet. The ore encountered during this process is being placed on the dump and there are now 300 tons piled up ready for shipment.

WHITE BEAR.

Work continues along the usual lines in this property. Some nice looking stringers of ore, which assay well, are being found on the 350-foot level.

DECCA.

The report from the Decca mine for the week ending November 25th is to hand and shows that the east drift 200 feet level is now 47 feet in with the vein three feet wide. At 30 feet in the vein is three feet eight inches wide and the quartz gives \$34.80, the full width of the vein. The quartz at the 47 foot point looks just as good, and samples from the face of the drift will be assayed at once. The amount of drifting done during the week was eighteen feet. The crosscut now in thirty feet, has been run 11 feet during the past week.

HALIFAX ELECTRIC TRAMWAY.

Gross earnings for Oct.....	\$17,402.82
Expense.....	9,412.90
	\$7,989.92
For week ending	Compared with previous week
Nov. 12....\$2,055.50.....	Dec. 85.20
" 19 .....1,973.05.....	" 100.45
" 26 .....2,014.00.....	" 55.95
Rec'ts to date (Nov.).....	Dec. \$278.60

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