

of shipping grade has been struck. It is the intention of the company to put in a first-class power plant.

WEST LE ROI AND JOSIE CONSOLIDATED.

In the Annie, Sarah and Rockingham fraction, the West Le Roi and Josie Consolidated Mining Company have a property of considerable promise. Joining such claims as the Le Roi and Josie on the west, and of a surety catching both veins, it is almost a miracle if this property does not make a mine. A crosscut tunnel was started last summer, but never completed. A shaft has been sunk in solid ore for a depth of 50 ft.

MORNING STAR.

It was not until late in the winter that development work on this property was started. However, a 66 ft. shaft, sunk on the footwall side of the vein, shows a body of ore that will average \$29 a ton in gold and copper. The ore is a chalcopryite in a quartz and calspar gangue, and very much resembles the high-grade ore taken from the Le Roi between the 250 and 350 ft. levels. A contract has just been let to sink this shaft to a depth of 300 ft. Development drifts, to thoroughly exploit the mine, will be run every 100 ft. A first-class hoisting-engine and sinking-pump have been ordered, and will be in operation almost immediately.

HIGHLAND

This is a most peculiar property, and deserves special notice. It is the property of Mason S. Thomson, of San Francisco, who has been steadily developing it for the past nine months. The vein is large and shows, where crosscut, to be fully 200 ft. in width. It has every appearance of the ribbon structure, and with development should turn out a valuable property. It has been developed more fully than any other prospect in the extreme north belt. Associated with Mr. Thomson are some of the millionaires of California, and they will test the property to the fullest. Should development work prove satisfactory, the gentlemen controlling this property are prepared to mine and treat the ore from the claim at a minimum of expense.

LILY MAY.

The Lily May, the earliest location in the Trail Creek camp, is fast making a mine. Like other claims in Trail Creek, the Lily May has a history. It was bonded by a man, said to be a mining operator, without looking at it, and in twenty days he had dug it out and condemned it. Nevertheless, it was re-bonded this spring by one of the owners of the Le Roi and his partners, and now, at a depth of 90 ft., the Lily May has the prettiest showing in the camp. Two hundred and fifty feet of development work show up an almost continuous chute of ore. It is a fact worthy of mention that the galena characteristics of the south belt are "playing out" as depth is obtained, and the ore is showing the same copper and iron sulphide attributes as that of the Red Mountain mines. The owners have nearly 150 tons of good ore on the dump, which will be shipped to the Trail smelter in the near future. It is the intention of the company to instal a first-class compressor and hoist.

DEER PARK.

The Deer Park, situated on Deer Park mountain and the property of a local syndicate, is to the south belt what the Monte Cristo is to the north. A shaft has been sunk for a depth of 65 ft. on the ore body, which proved, upon cross-cutting, to be 41 ft. wide, all solid metal. The grade is extremely low, though recently, in surface prospecting, a 6 ft. chute of \$13 ore was discovered. The company is regularly developing this property.

NEST EGG.

The Nest Egg, which almost adjoins the town of Rossland on the south, has a very meritorious showing. It has three veins. Nearly all of the work which has been done so far is upon what is known as the south vein. The shaft is down nearly 40 ft., and at the bottom shows some high-grade copper ore. This ledge, farther to the east, has been

stripped for a distance of about 50 ft., and shows about 28 in. of solid ore the whole distance. This ore will average \$23 in gold. There has been some dispute about the title of this ground, which the company have just succeeded in perfecting. With development work the Nest Egg ought to make a mine. It has ore, grade and every necessary adjunct for the making of a valuable property.

HOME STAKE.

The Home Stake adjoins the Nest Egg on the south. It has been badly mismined and mismanaged. Four shafts, which will aggregate 200 ft. of work, within a few feet of one another, have proved nothing beyond what surface development showed. It is the consensus of opinion among mining men that this property, if properly handled, would be one of the wonders of the camp. Its location, immense body of ore, strong vein and everything else, places it in a position to rapidly become a shipper. About 50 tons of ore left this mine for the smelter last fall, but the returns are unobtainable.

ROBERT E. LEE.

The Robert E. Lee, lying 1,500 ft. to the east of the Home Stake and on the same vein, shows up well. A shaft 65 ft. in depth has a full body of \$30 ore. Surface work has proved that this orechute extends for a considerable distance to the east of the shaft. The property has lain idle for some time, but will be started up again within a few weeks.

SOUTHERN CROSS AND WOLVERINE CONSOLIDATED.

This property consists of the Wolverine, Southern Cross and Iron Hill locations, and adjoins the Crown Point. It has recently been incorporated by the original owners, who are proceeding to expend \$5,000 in development work. About 200 ft. of work in the shape of shafts and tunnels has disclosed a large body of ore, which will average about \$16 in gold per ton. There are four distinct veins on this property, upon one of which, recently found, there is a good body of fine-grained chalcopryite ore in a quartz gangue. Work will be started on this vein.

As there are about 3,000 locations in the Trail creek camp, of course every claim with a showing cannot be mentioned, but those of which mention has been made are among the most likely ones to make mines, judging from their present state of development.

TRAIL AND ITS SMELTER

The progress of the Trail Creek mining camp during the past two years has been largely the result of individual effort, and a larger share of honor for the magnificent showing made by the camp is probably due to Mr. F. A. Heinze than to any other man. Mr. Heinze, a man of means, and a mining engineer and smelting man of large experience, came into the camp at a period when its mines had not the extent they have today, and, recognizing the need of a local smelter, he proceeded to build one. He closed a contract for 75,000 tons of Le Roi ore to be delivered within two years, and then chose Trail, on the Columbia river, as the most suitable point for a smelter. He has practically turned the town of Trail from a sand-heap, where the Columbia river boats landed passengers from Rossland, into a town of 1,500 inhabitants, whose energy is at all times noticeable in their loyalty to the smelter town. Mr. Heinze knocked about \$6.00 per ton off the previous freight and smelter charges for the treatment of Trail Creek ore; and the excessive transportation charges by waggon-hauling between the mines and the smelter soon convinced him that he needed a railroad in his business. This railroad is now a fact, and besides doing a lucrative passenger and freight business between the mines and the Columbia river, is hauling 150 tons of ore from the Le Roi to the smelter daily.