

last season for power and concentration uses; and, next, that while improvements were being made to the mill plant, operations were necessarily curtailed. Five stopes have been opened from No. 4 tunnel, ore in the face of which is stated to average in value \$16.50 a ton. During the year No. 4 adit was extended about 450 feet; much new tramway-track and pipe were put in; two ball-bearing ore-cars were added to the mine equipment; a blacksmith-shop, 18 x 24 feet, was erected and supplied with all requisite tools, etc.; the tramway from mine to mill was improved, part of it having been double-tracked, with a length at each end covered in; an ore-sorting bin was constructed, and other improvements were made. Additions to mill plant and machinery included a duplex Dorr classifier; a 4- x 20-foot tube-mill; cyanide plant; a Jenckes 80-horse-power steam-boiler, and a 70-horse-power steam-engine. The amount of expenditure on recent additions and improvements to mine and mill is stated to have been \$30,000. It is expected that, with the increased milling facilities above mentioned, the mill capacity will prove to be about 50 tons a day, and that about 90 per cent. of the gold contained in the ore will be saved.

Molybdenite.—Some particulars of the deposit of molybdenite ore at Lost creek, distant by wagon-road about fourteen miles from Salmó, were printed in the Annual Report of the Minister of Mines for 1914. Since then the Canadian Mining Institute has published a paper entitled "Notes on the *Molly* Molybdenite Mine, Lost Creek, Nelson Mining Division, B.C.," prepared by Dr. Chas. W. Drysdale, of the Geological Survey of Canada, from which the following excerpt has been made: "On March 10th, 1914, the property was leased to G. H. and J. P. Bell, of Salmó, and active development-work was thereafter carried on. On April 9th, 1915, Bell Bros. shipped to Denver, Colorado, one car containing 24 tons of the molybdenite ore; this ran 12.86 per cent. molybdenite, and 90 per cent. of this was paid for at the rate of 50 cents a pound. In addition, 2 tons of samples of the ore was shipped to New York by the owners; this ore averaged 9.5 per cent. molybdenite, which was sold for \$1 a pound. Several thousand tons of unfilling-ore which would probably run about 4 per cent. molybdenite lies on the mine dumps. During the spring of 1915 the property was bonded by a Vancouver syndicate for \$100,000; development is now in progress, and the installation of a small concentrating plant is contemplated."

Trall Creek Mining Division.

While this Division comprises a considerable area of country, there is little productive mining done in any other part of it than Rossland camp. As in other recent years, practically all the ore produced in 1915 came from the operating mines situated on Red Mountain, in the immediate neighbourhood of the town of Rossland. These are the *Centre Star* and *Le Roi* groups, owned by the Consolidated Mining and Smelting Company of Canada, and the *Josie* group, which is the property of the *Le Roi* No. 2, Limited, of London, England. The only other production made in Rossland camp in 1915 was the insignificant quantity of 5 tons from the *Phoenix*, in the South Belt.

The following table gives the figures of ore mined at Rossland during the years 1914 and 1915; all this ore is shipped to Trall as crude ore, excepting a small tonnage (from 6,000 to 10,000 tons yearly) milled by the *Le Roi* No. 2, the concentrates from which also go to Trall:—

	1914, Tons.	1915, Tons.
<i>Centre Star-War Eagle</i> group	173,996	180,508
<i>Le Roi</i> group	96,686	131,319
<i>Josie</i> group (<i>Le Roi</i> No. 2, Ltd) (ore and concentrates)	26,886	22,305
South Belt—		
<i>Bluebird</i>	18	...
<i>Phoenix</i>	4	5
Totals	297,200	334,137