

other hand there are twelve on this year's list that were not producers last year, and these have produced 2,293 tons of ore. These figures take into account only those that have shipped to Trail, so do not include shippers of zinc ore, nor one mine that in 1915 also shipped silver-lead ore to the United States. The larger shippers to Trail this year have been the Standard 5,394 tons, Rambler-Cariboo 1,457 tons, and Galena Farm 1,234 tons; other shippers of more than 100 tons are the Slocan Star 890 tons, Ruth-Hope 618 tons, Lucky Thought 488 tons, Hewitt 334 tons, Wonderful 279 tons, Lucky Jim (zinc) 193 tons, Idaho-Alamo 181 tons, and Noonday 121 tons.

Late news from mines in Slocan division includes the following: The strike of ore in the Alpha property of the Standard Silver-Lead Co. is reported to be quite important; also that silver-lead ore has been cut in opening from one of the lower tunnels. Net profits on operations at the Galena Farm mine, near Silverton, are stated to have been about \$22,000 for September, bringing the total for five months, May-September, up to more than \$150,000. In one of the Noonday adits, at about 1,000 ft. from its portal, a shoot of ore 3 ft. wide has been cut, and arrangements have been made for hauling ore about two miles to the railway terminus in Sandon. The Surprise concentrating mill is expected to soon be in operation, its equipment being nearly completed. About 70 tons of ore a day has been concentrated at the Slocan Star; when the new plant being added and the greater water power being provided shall be available, which it is expected will be before the winter shall set in, the output will be increased to more than twice as much as that now being made. The finding of a shoot of zinc ore in workings from No. 5 level of the Lucky Jim mine is reported; it is thought this will prove to be the downward continuation of the big shoot of ore opened from No. 4 about 360 ft. above. Shipment of ore from the Queen Bess mine has been resumed, after the mine had been closed for several years. The Slocan Sovereign, above Cody, will shortly be sending ore down to the railway at Sandon, the work of getting the trail in order for hauling or rawhiding having been taken in hand. Generally, there is much activity in mining throughout the district.

In Slocan City mining division there have been four mines shipping ore to Trail this year, namely, the Black Prince, Enterprise, Ottawa and Meteor. Total of production to October 7th is 319 tons, chiefly of ore having a comparatively high silver content.

Nelson.—Ore shipments to Trail from mines in this division during the quarter ended September 30th totalled 1,499 tons, which was nearly as much as during the six months ended June 30th. For the quarter ended March 31st the total was 708 tons, and for that ended June 30th 795 tons. The increase in the third quarter was made chiefly by the Emerald lead mine, near Salmo, and the Eureka copper mine, at the head of Eagle creek, near the city of Nelson. Of the total of 3,002 tons for the nine expired months, 1,227 tons was from the Eureka and 943 tons from the Emerald. Gold concentrates from the Queen stamp mill on Sheep creek totalled 292 tons, and from the Granite-Poor-man mill near Nelson 160 tons. The Molly Gibson, above Kokanee creek, shipped 186 tons of silver-lead ore, and the Hudson Bay, near Salmo, 112 tons of lead and zinc ores. The remaining 82 tons consisted of gold ores from three small properties.

A Nelson syndicate has bonded the Spokane group, in the Bayonne region east of Sheep Creek camp, from which 30 tons of ore shipped to Trail in August is stated to have given net returns from the smeltery of about \$100 a ton, the valuable contents having been silver, lead and gold. A trail down to Kootenay lake is being made, to allow of rawhiding ore to the lake side during the coming winter. Development work on the property includes two adits.

Rossland and Trail.—Ore shipments to Trail from Rossland mines during nine months ended September 30th, totalled 249,910 tons, as compared with 255,024 tons for the corresponding period of 1915. The small decrease this year was the result of an insufficient supply of coke at Trail, which necessitated a curtailment of Rossland ores in the latter part of the last quarter and a consequent reduction in output at the Consolidated Company's mines at Rossland. Comparative figures of production, those in parentheses being for the 1915 period, are as follows: Centre Star, 138,986 tons (139,255 tons), Le Roi, 98,300 tons (102,455 tons); Le Roi No. 2 Co.'s Josie group, 12,553 tons (13,297 tons); miscellaneous, 71 tons (17 tons); total, 249,910 tons (255,024 tons).

It has been announced that shipment of electrolytically refined copper from the Consolidated Mining and Smelting Company of Canada's smelting and refining works at Trail will shortly be commenced. The production of refined copper has been in progress at the company's new electrolytic refinery for several weeks, but the furnace for melting the copper after it comes from the electrolytic tanks was not completed by the end of September, so shipment of copper has had to await its completion. Much structural steel, for enlargement of the electrolytic zinc refinery at Trail is being received, and erected; meanwhile the output of electrolytically refined zinc is about 20 tons a day.

General Notes.

A bar of gold weighing 17 lb. has been received at the Bank of British North America, Ashcroft, from the Lorne mine, in Lillooet district. This was the third lot of gold sent out from the mine in two months.

The Highland Valley Co. has received about \$1,100 as the net returns from 31 tons of ore shipped from its mine in Ashcroft mining division. Mr. Rowland King, who is to have charge of the company's newly erected concentrator, arrived in Ashcroft late in September.

Mr. F. W. Holler, superintendent of the Surf Inlet gold mines, on Princess Royal island, for the Tonopah-Belmont Development Co., when in Prince Rupert at the end of September, stated that the prospects for the mine are better-looking as development work is advanced. The dam for water supply purposes has been finished and erection of buildings for housing the company's workmen is in progress.

A report, published in a Prince Rupert newspaper, is that on one property on Manson creek, Omineca, \$2,200 worth of gold was taken out in 18 days after tunnelling 760 ft. to reach the old channel in which the gold was found.

The British Columbia Copper Co. is developing under option of purchase, the Cariboo mineral claim, situated about four miles northeast of Chesaw, in the northern part of the State of Washington and within 20 miles of the company's smelting works at Greenwood, B.C. It is stated that about 40 ft. of copper ore of good grade has been opened.