

and a method of treating the ore of the respective properties mine. thoroughly determined."

Other mines in the neighbourhood of Nelson worthy of mention are the Athabasca, Granite-Poorman, Eureka, and Ferrier group. The last of these is a property not yet much developed, having ore of high grade, and on which a small compressor has lately been placed.

Ymir and Sheep Creek.—These two camps, both in Nelson mining division, are more active now than for years, and both are adding substantially to the mineral production of the district, with much promise of their output being steadily enlarged. The shipping mines of Ymir camp are at present the Yankee Girl and Wilcox; among others that are being worked, though not shipping ore, is the Dundee, on which it is intended to install a compressor.

The Emerald, near Salmo, has sent about 1,700 tons of lead ore to Trail this year; it is the only mine in the southern part of Nelson division shipping lead ore. Below Salmo, in Erie camp, there are several properties, including the Second Relief, Arlington, and others that, unlike these two, have not made a continuous output of ore.

Sheep Creek camp is coming into more prominence as development work is proceeded with, but production is not general, the Queen and Nugget being the two chief shippers. The final payment on the purchase price of the Queen mine, which was \$175,000, was made early in November, the amount paid then having been \$71,428. The Queen-Yellowstone group and 20-stamp mill thereupon passed to the possession, absolutely, of the Wisconsin company, which has for more than two years been working the property. The Nelson Daily News quoted the president of the company as having said, in part: "The policy of the company will be to push development at an accelerated rate, not only in connection with the Queen vein proper, but on the numerous promising prospects which are included in our property. In past years shipments of ore have been made from the Alexandra, Hideaway, and Yellowstone veins. Our compressed air system will be at once enlarged, so that with air from our two compressors we may be able to operate hoist, pump and ten machine drills. It is well known that about 60 per cent. of the ore from the Queen mine is free-milling, that percentage of gold being caught on the plates and, except for the small quantity lost in the tailing, the remainder is recovered by the smeltery. If an addition to the stamp mill shall later be required, or a new mill of larger capacity become necessary, it will doubtless be provided. The provision of a cyanide plant to recover the gold from the tailing, will probably be made in the future."

It has been announced that the owners of the Mother Lode, which has been developed extensively during the last two years, are arranging to erect and equip a stamp-mill for this property, reports concerning which have been decidedly favourable. The provision of this treatment plant is expected to result in a substantial increase being made to the output of gold from this camp.

Rossland.—There is little to note of this camp, in which production of ore is being well maintained, and progress is being made. The total output of ore for the year to the middle of November was about 220,000 tons, of which approximately 165,000 tons came from the Consolidated Mining and Smelting Company's Centre Star group of mines, and 40,000 tons from the mines of Le Roi No. 2, Limited. Most of the remainder came from Le Roi, the production of several other mines having been small. Le Roi No. 2, Limited, paid another dividend on November 8th, amounting to about \$60,000. Total paid to date is \$1,065,000.

Boundary.—The aggregate output of Boundary district mines in 1910 will probably have reached 1,500,000 tons by the end of November. Fully two-thirds of this large quantity will have come from the Granby Company's mines, while nearly 370,000 tons will have been the share of the British Columbia Copper Company's several mines, and well on for 130,000 tons that of the Consolidated Mining and Smelting Company's Snowshoe

Similkameen.—The Hedley Gold Mining Company's Nickel Plate group is still the only ore-producing mine in this district. There are several other properties in Hedley camp that are regarded as promising to make profitable mines if money shall be available for their development, but at present this is lacking. The development of the coal resources of the district about Princeton and Granite Creek is being proceeded with. Mr. Arthur Hickling, managing director of the company owning the coal mine at Princeton, who lately came from England on one of his periodical visits to British Columbia, has been quoted as authority for the statement that his company has contracted to supply the Hedley Gold Mining Company with 10,000 tons of coal, and that next year the output from the Princeton colliery will be about 500 tons a day. Railway building in the upper part of the district, from the direction of Nicola Valley, is expected to considerably increase the importance of mining throughout that part. The coal mining industry in Nicola Valley is flourishing, with a steadily enlarging production.

Yale.—The new mining field, known as Steamboat Mountain, is not expected to make much progress until after the snow shall have melted next spring. Many mineral locations have been made, and several claims and groups of claims have been sold to men who can provide money to develop them. The occurrence of gold in quartz veins in the country lying between Hope, on the Fraser River, and the International Boundary line has been known for years, but its presence in the many porphyry dikes that exist was not recognized. Now, however, there is reason to think that some of these dikes will pay to work, and an effort will be made next year to prove whether or not they can be turned to profitable account. The quartz veins as yet discovered are not wide as a rule, though the ore contains good value in gold. There seems to be a reasonable prospect of the new field proving productive, but pending development of some of its properties this is necessarily as yet uncertain.

Coast.—There is nothing of especial importance to chronicle in connection with metalliferous mining in the Coast district. Work is being proceeded with at the Britannia mine, Howe Sound, and it is reported that late developments have been satisfactory. On Vancouver Island little, if any, mining is being done, so there is practically no ore production at present. The Tye Copper Company's smeltery, however, is receiving supplies of ore from various sources, chiefly from southern Yukon and Alaska. In Portland Canal district, the most encouraging development is the continued successful operation of the Portland Canal Mining Company's concentrating plant, which is reported to be abundantly realizing expectations, in regard to suitability for recovering the valuable metals from the ore occurring in the company's mine. Some particulars of other properties in this camp, and in the neighbouring Observatory Inlet, are given in an article on mining in the Coast district sent by same mail.

A different account may be given of coal mining in the Coast district, to that above written relative to mining for metallic minerals. The Western Fuel Company, Canadian Collieries (Dunsmuir), Limited, and Pacific Coast Coal Mines, Limited, are all producing much coal. The first mentioned has had some temporary difficulty arising out of overhauling in one part of its No. 1 mine, but this has been overcome and the miners are back again at work in the mine. The usefulness of the oxygen breathing apparatus provided here was demonstrated, for with it the underground troubles just mentioned were disposed of speedily and with much less loss in both time and money than would have been the case under old conditions, when without the advantage of the use of such appliances. The Pacific Coast Coal Company lately made its record daily production, that being an output of 1,000 tons of coal in one day, taken from its South Wellington mine, near Nanaimo. For a colliery that has been producing coal only about two years, this indicates creditable progress. This company is also developing another coalfield, situated at Suquash, in the northern part of Vancouver Island.