

SIMILKAMEEN.

The Daly Reduction Works at Hedley, in the Similkameen, are now in partial operation, but the installation of machinery is not yet completed. It is stated that the Olalla Company is arranging in the East for the securing of additional capital for development purposes.

LARDEAU.

A discovery of free milling gold quartz is reported to have been made near Ferguson, and a five-foot vein exposed.

Work has been resumed on the Triune mine, where preparations are now being made to install an aerial tramway and at other properties shipping operations are now in full swing. Recently the Great Western Company's new combination silver mill completed a first short run, producing a thousand ounces of bullion. At Poplar Creek a claim known as the Mother Lode has been bonded on working terms. Little development work has yet been done but the assay values of the surface ore are fair.

Another lead, eight feet in width yielding \$10 in gold, has been opened on the Swede group at Poplar Creek.

A rich strike of free milling quartz is reported to have been made in the upper tunnel of the Kingston mine, at Camborne, which was recently bonded to a Portland syndicate for \$200,000. In the same camp, a fine vein of quartz of considerable width has been also encountered on the Nelson group. Values are expected to average from five to eight dollars per ton.

SLOCAN.

The Rockland group of three claims has been secured by an American Syndicate, who propose proceeding at once with development work.

A comprehensive test of free milling gold ore from the Kilo is about to be made, arrangements having been made for the treatment of a parcel of a hundred tons at the Chapleau mill.

In the Slocan City division, the Pioneer Mining Co., has purchased the Black Prince fraction, bonded other claims in the vicinity and is negotiating for the Slocan Prince claim, of which an interest has been already secured.

The Edison, a high grade property, adjoining the Neepawa has been leased. There is an unauthenticated rumor which may be taken for what it is worth, that a German Syndicate propose establishing a smelting works at a point in the Slocan, this report having arisen from the circumstance that Dr. Sussman has been collecting information in the district.

The South Fork of Kaslo Creek is again attracting attention as a result of recently reported rich discoveries of ore discovered as "horn silver and black sulphurets." A number of claims are however showing well under development.

Mr. Thomas Jones, ore purchaser for the Lanyon Zinc Co., referring to the present production of zinc in the Slocan states that the Slocan Star is producing 20 tons a day, the Idaho five, the Wakefield five and the Payne 15. In the 18 months ending July 1st, there had been shipped to Kansas Zinc Works 3476 tons of zinc concentrates. Outside of this during the same period other shipments were made to Antwerp. Mr. Jones thinks the outlook for this industry in Kootenay is most encouraging.

According to Mr. Buchanan, inspector of lead bounties, lead production is being made at present at the rate of 30,000 tons per annum. Whether however this rate will be maintained depends on the continuation of production from the St. Eugene. To the end of June \$180,000 had been earned under the terms of the Lead Bounty Act.

Judgment was delivered this month in the case of the Last Chance vs. the American Boy. The plaintiffs, who won their suit, sued for \$8,500, the value of 84 tons of ore taken from their property by the defendant company.

The Slocan Star at Sandon is now employing seventy miners and shipping 500 tons of galena and 600 tons of concentrates to the Trail smelter. The company is installing machinery to the value of \$15,000 this year.

The cable for a 1,900 foot tramway at the Last Chance is now being installed at that mine.

NELSON AND YMIR.

There is now marked activity in the Nelson district, Forty-

nine Creeks in particular coming very rapidly into prominence as a promising free-milling quartz section. One company here, after expending a large sum in development work is now installing a fifty-ton plant, while a San Francisco syndicate has acquired a promising group of six claims, adjoining May and Jennie mine. There are three leads on these claims, the average value of the ore being, it is stated, \$17 to the ton.

Mr. Wm. Davys who successfully worked the Silver King mine under lease and lately the Ilweitt at Silverton, has now leased the Poorman-Granite property on Morning Mountain, upon which work has already been commenced.

The Hall Mines smelter received last month 1885 tons of lead ore (dry weight). The lead realized aggregated 1072 tons.

The Bayonne group of ten claims, situated about 18 miles west of the foot of Kootenay lake was recently bonded for \$60,000 to Butte investors, who have made a first payment of \$7,000. The claims have good showings of ore carrying fair values in gold.

The Mollie Gibson, formerly owned by the Mollie Gibson Mining Co., was sold this month on a judgment held by the Eastern Townships Bank for \$23,400. The property which is a valuable one, ore to the net value of \$86,000 having been shipped consists of seven claims on Kokanee Creek near Nelson. The mine has also been fairly extensively developed and there are said to be still considerable ore-reserves. The purchasers are a syndicate of Sherbrooke, Port Arthur and Nelson men who propose to thoroughly develop the property.

The Tamarac Mines Ltd. have submitted a financial statement for the year, ending March 31st, 1904, showing a small balance in hand of \$535.53. During the year \$1690.44 was expended in mine development.

At Ymir seven mines are now making regular shipments, and reports from this district are most re-assuring. The last monthly returns from the Ymir place working expenses at \$15,000 and the revenue at \$16,700. A new company is now in process of incorporation to acquire and operate the Dundee mine.

A syndicate was formed last month under the mining partnership section of the Mineral Act to work three hydraulic leases at the mouth of Hall Creek near Ymir, and proposes to install immediately, a 6-inch centrifugal pump capable of moving from 900 to 1200 cubic yards of gravel in 24 hours.

A satisfactory strike is reported to have been made on the Foghorn in the drift east from the long cross-cut tunnel, five feet of ore having been exposed. This drift is some 900 feet below the surface. The Company has under consideration the erection of large mill.

ROSSLAND.

Mr. Ferdinand Dietzsch consulting engineer of the Giant Mining Co. is reported by the *Rossland Miner* to have said that the company which has been and is still supposed to be in deep water will now proceed to "discharge its obligations, develop the property vigorously and eventually equip it with reduction works to save the rare metals—cobalt and molybdenum—provided the report he is making is considered a satisfactory one." Mr. Dietzsch further stated that "arrangements had been made for the funds required, and a decision would be arrived at shortly after his return to England."

The Giant ore is complex, containing sulphides of cobalt, arsenic, iron and molybdenum, all carrying gold, which is more or less free, the gangue being silicious. By experiment it has been found the sulphides of arsenic, cobalt, nickel and iron may be separated by magnetic treatment, while the gangue and practically all of the molybdenum are non-magnetic. The ore may be therefore first treated by crushing and subsequently subjected to magnetic separation.

The magnetic product, carrying gold, molybdenum and silica would then be calcined and washed for the recovery of the molybdenum, and treated, practically by ordinary cyanid process, for the recovery of gold, the calcination and leaching having altered the character of the material to allow of ordinary cyaniding with the possible addition of amalgamation to save the coarse gold.

It is questionable whether sufficient cobalt and nickel exi-