

the number of employees has been raised to three hundred, and a sum exceeding two thousand dollars is daily paid out in wages alone. Seven flat-bottom stern wheel steamboats, designed for the Yukon River trade, are now being built by this Company, in addition to which the S.S. "Cutch," which was formerly on the route between Nanaimo and Vancouver, is being completely refitted and supplied with new engines. Among other contracts may be mentioned one from an English company, for an improved suction pump dredger, to be operated on the Fraser River, and also an extensive dyking plant, ordered by the Provincial Government for use in reclaiming land in the Sumas Valley. The Company have been busily engaged during the past winter in preparing patterns for mining machinery.

The largest air compressor ever built in Canada, has been ordered by the War Eagle Mining Company, of Rossland, from the James Cooper Manufacturing Co. Lt., of Montreal. The machine will have a capacity of fifty drills, and will be driven by electricity. The fly-wheel is twenty-two feet in diameter, and weighs in the vicinity of twenty-five tons. The mine management have also purchased from the same firm a 300-ton electric hoist, which will lift an average load of eight tons from a depth of 3,000 feet, at a speed of 1,000 feet per minute. This hoist is the largest in the world, operated by electricity.

The British Columbia Gold Fields Co., of Toronto, have recently placed an extensive order with the Jenckes Machine Co. for a ten-stamp battery, complete, with two vanners, two ore feeders, grizzly, Blake-Marsden Crusher, and all the various apparatus making up a complete modern milling plant. The plant is to be delivered at Nelson. Also, the Smuggler Gold Mining and Milling Company have closed a contract with the same firm, for a twenty-stamp mill, to handle the output of their promising gold mine at Fairview, and an aerial tramway from the mine to the mill. The mill is expected to be in operation in three months.

A new device for generating and utilizing acetylene gas is being introduced in the Province by Messrs. Newling & Co. of Nelson and Victoria. This machine is constructed on extremely simple and durable lines, and has, moreover, the advantage of being cheap. The light is very brilliant, and the machines recently furnished to the Nelson post-office, several business houses in the same town, and to the No. 1 Mine at Ainsworth, are giving perfect satisfaction.

It is proposed to build a concentrator this summer, to treat the low grade ores of the Whitewater Mine, of which there are an enormous quantity.

A ten-horse-power hoist has been installed in the winze at the 600-foot level of the Le Roi.

In the Ymir Camp there is at present a large demand for mining machinery. The Dundee Mining Company here has recently let a contract for supplying material for a three-line gravity tramway, and tenders are being asked for the construction of a concentrator. At the local office of the London & B.C. Goldfields, Lt., plans are now being prepared for the purchase and installation of a 40-stamp mill upon the Ymir Mine, owned by the Company. Enough ore is said to be in sight in the mine to keep the mill in operation for several months.

Arrangements are being made to erect a 10-stamp mill on the Athabasca a promising mine near Nelson, recently acquired by an English company.

The Colorado Iron Works Co., of Denver, Colorado, received an order from John A. Moore, for one water jacket smelting furnace, to be erected in the San Juan district.

At a Board meeting of the Golden Cache Mines, Limited, the tender of the Royal Electric Company of Montreal was accepted for furnishing the electric plant for the mine. The contract for supplying the water wheel (23-in. Sampson, La Felle wheel) and a compressor plant, was awarded to the William Hamilton Manufacturing Company, of Peterboro, Ontario. The compressor plant is to be put in at once. These will involve an expenditure of over \$35,000. The compressor plant will, it is hoped, be working towards the middle or end of July. Another additional improvement in hand at the present time, is the erection of a private telephone from Lillooet to the mines.

TRADE CATALOGUES.

MESSRS. FRASER & CHALMERS, of Chicago and London, have issued a seventh edition of Catalogue No. 6, descriptive of the Comet Rock Crusher, and a fourth edition of Catalogue 24, dealing with the Riedler Pumps, Compressors and Blowing Engines. Both catalogues contain much interesting information.

"The Wilfley Ore Concentrator," published by the Wilfley Concentrator Co., of 32 Old Jewry, London, E.C.; American agents: The Mines & Smelter Supply Company, Denver, Colorado. This catalogue contains a well-prepared article upon ore concentrating. For the Wilfley concentrator, it is claimed that it will handle three or four times more material than any belt concentrator made, that it will save more concentrates; that it requires little or no attention, and that it will save much expense in power and room.

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