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|------------------|-----------------|---|
| Silver Tip.....  | Slocan.....     | W. G. Clark   |
| Electric.....    | Slocan.....     | W. S. Drewry  |
| Shareholder..... | Slocan.....     | W. S. Drewry, Oliver T. Stone, John F. McIntosh, Robert Williams. |
| C. D. ....       | Frout Lake..... | James J. McGlone  |
| C. H. ....       | Frout Lake..... | James J. McGlone  |
| Doubtful.....    | Frout Lake..... | James J. McGlone  |
| X. Y. Z. ....    | Frout Lake..... | James J. McGlone  |
| Bluejay.....     | Frout Lake..... | James J. McGlone  |
| L. B. ....       | Frout Lake..... | James J. McGlone  |
| Conqueror.....   |                 |   |
| Cyrus.....       |                 |   |
| Daniel.....      | Victoria.....   | J. Bentley, et al   |
| David.....       |                 |   |
| Maud.....        | Frout Lake..... | Charles W. McCrossan  |
| Anna.....        | Frout Lake..... | Charles W. McCrossan  |
| Joseph.....      | Frout Lake..... | Charles W. McCrossan  |
| Sunset.....      | Frout Lake..... | Charles W. McCrossan  |
| Revenge.....     | Frout Lake..... | George S. McCarter  |

### MACHINERY NOTES

A bucket elevator and a gold dredge are advertised in this number of the *MINING RECORD* as for sale.

The White Bear Mining Co., Rossland, has purchased through Mr. G. C. Hinton, a 400-h.p., three-phase, 60-cycle, electric induction motor, which will be used to operate the compressor plant.

In connection with the Le Roi Mining Co.'s experimental plant for concentration, a lot of the machinery has been received at the mine and is being installed, but as the electric motors will not reach Rossland until late this month or early next, it is not expected that the concentrator will be in operation until some time after the middle of May.

The owners of a mineral claim on Loughborough inlet have arranged to bring from Rat Portage a small second-hand steam power plant for use in prospecting this coast mining property. Mr. Wm. F. McCready, of Vancouver, is in charge of the operations.

The West Canadian Collieries, Ltd., is installing additional plant and machinery at its Lille colliery, situated near Frank, South-western Alberta. The tippie there is being equipped with automatic dumps, shaking screens, picking tables, and other appliances, to bring its capacity up to 2,000 tons per diem.

The "knock-down" hull of a dredge, for the Canadian Klondike Mining Company, is to be built at the Pacific Coast Lumber Company's mill, on Coal Harbour, Vancouver. When completed it will be sent north in sections.

The Bonanza Gold Dredging Co., which holds leases for a large area of ground in Yukon Territory, is stated to have placed an order for the construction of a large dredge, designed along similar lines to those of the most modern of the dredges at work in California.

The St. Eugene Consolidated Mining Company has ordered from the Jenckes Machine Company, of Sherbrooke, Quebec, a 30-drill air compressor, the 20 drills at present in use in the St. Eugene mine, at Moyie, being insufficient for development requirements. The new engine will have a capacity of about 3,000 cu. ft. of free air per min. A 60 by 60 ft. building, to house this machine, is being erected. More steam boilers, of a total capacity of about 500 h.p., have also been ordered; when these shall have been installed the total boiler capacity will be 330 h.p. The new plant is to be put in next July, so as to be available for operation, if practicable, by August 1. Fourteen new 2-ton

ore cars were lately obtained, from a Kootenay manufacturing firm, for the St. Eugene.

The Northern Mines, Ltd., has purchased, through Messrs. Rochussen and Collis, manufacturers' agents for mining machinery and supplies, Victoria, a 26-ton Vulcan Iron Works Co.'s (Toledo, Ohio), traction-wheel, standard steam shovel, for prompt delivery. Messrs. A. H. Bromly, managing director, and R. D. Fetherstonhaugh, superintendent, spent several weeks investigating the merits and capabilities of the steam shovels of four different manufacturers, finally deciding to purchase a Vulcan machine, as being best suited to their requirements. The shovel will be employed on Spruce creek, Atlin.

The Western Fuel Company, Nanaimo, lately ordered from the Canadian Rand Drill Company, of Sherbrooke, Quebec, a 12 by 18 Jenckes double-cylinder, single-drum, hoisting engine, and a 30-drill air compressor, both to be installed next June. The compressor, which will be used to provide air power for pumping and for operating coal-cutting machines, will be of the following description: Class B 3, compound steam, compound air; steam cylinders, 20 and 30 by 30-in. stroke; air cylinders, 20 and 32 by 30-in. stroke; capacity, 2,513 cu. ft. of free air per min. at normal speed of 90 rev. Steam cylinders fitted with Meyer cut-off, balanced valves, and all piston rods with metallic packing. Low-pressure air cylinder to have mechanically-operated Corliss inlet valves. Between low and high-pressure air cylinders the air will pass through the latest type of Rand water-tube intercooler, which reduces the air to within 15 degrees of the temperature of that of the cooling water, condensing all moisture, which is separated before the air enters the high-pressure cylinder. At 100 lb. air the i.h.p. is 437; approximate weight of engine, 82,000 lb. This machine is an exact duplicate of one previously supplied by the same manufacturers and which has been running at the Nanaimo colliery about 12 months.

### TRADE NOTES AND CATALOGUES.

"Little Wonder" air hammer rock drills have been used with such success in a Texada Island mine that other coast mines are about to give them a trial.

Mr. E. C. Berghoefer, representing the Link-Belt Machinery Co., of Chicago, Illinois, well-known manufacturers of coal-handling plant and machinery, recently visited Fernie, to obtain particulars of the 880-ft. steel trestle, tippie, and other plant the Crow's Nest Pass Coal Co., is about to put in to replace that recently destroyed by fire at its Coal creek colliery.

The Canadian Rand Drill Co. and the Jenckes Machine Co. have jointly opened an office in Vancouver, with Mr. Chas. Sangster in charge. Mr. Sangster was for a long period in the Rossland office of these companies, so is familiar with the class of machinery required by British Columbian mines.

A handsome booklet issued by The Wellman-Seaver-Morgan Co., of Cleveland, Ohio, describes the Dewhurst patent slag ladles and cars, of which they are sole American builders. These appliances have been extensively adopted in leading smelting plants in Great Britain and elsewhere. Their special features are shown and the details of their mechanism explained.

The Canadian Westinghouse Co., Ltd., Hamilton, Ontario, has issued two new circulars, Nos. 1098 and 1099, respectively. The former illustrates the company's switchboard indicating instruments, and the latter its bi-polar motors—type R. for direct current circuits.

The Canada Foundry Co., Ltd., of Toronto, Ontario, manufacturers of air and gas compressors, recently sent us Bulletin 26, illustrative of the company's straight line compressors and air receivers. This contains useful descriptive information and several exhaustive tables.

We have received an advance copy of a publication entitled "Church Lighting by Electricity," the Westinghouse Companies' Publishing Department has prepared for the Nerust Lamp Co., of Pittsburg, Pa. It deals with the prob-