

Municipality of Armstrong.—Con.

Plant. *Officials.*—Geo. McNaughton (Supt.); Thos. Lawson (Engr. Pwr. Sta.).

Location.—Plant located on Fortune (or Davis) creek.

Installation.—Plant operates under an average head of 500 feet. Water is conveyed from dam to power-house, $\frac{3}{4}$ mile, by a wood stave pipe, joined to a short length of 10-inch steel pipe. Turbine—1 Pelton, 24-inch, hor., single runner, impulse, 125 h.p., 900 r.p.m.; Generator—1 Can. Gen. Elect. A.C., 3-phase, 60-cycle, 90 k.w., 900 r.p.m.; Auxiliary Plant—1 Diesel oil engine, 200 h.p.

Power. *Transmission Lines.*—10 miles of wooden pole line serves the municipality of Armstrong.

Use of Power.—Power is used for lighting and general power purposes.

Power is delivered adjacent to Canadian Pacific Ry.

ASHCROFT.

May, 1918.

Ashcroft Water, Electric and Improvement Company. (Fuel Power Plant No. 8LF₁).

Address.—Ashcroft, B.C.

Officials.—J. C. Shields, Ashcroft, B.C. (Pres.); E. A. Punter, Ashcroft, B.C. (Mgr. and Ch. Engr.).

History.—Original plant commenced operation in 1899. Present plant installed in 1912.

Capital invested in Plant and Equipment.—\$25,000.

Plant. *Location.*—Plant located adjacent to Thompson river at Ashcroft, B.C.

Installation.—Oil Engines—2 Fairbanks-Morse, 20 h.p. each, 1 Fairbanks-Morse, 50 h.p., total 90 h.p.; Generators—1 Gen. Elect., A.C., 3-phase, 60-cycle, 75 k.w., 900 r.p.m., 1 Gen. Elect., A.C., 3-phase, 60-cycle, 18½ k.w., 1,200 r.p.m., total 93½ k.w.

Power. *Local distribution lines* serve the municipality of Ashcroft.

Use of Power.—Power is used for lighting.

Power is delivered adjacent to Canadian Pacific Ry. and Canadian Northern Ry.

BOUNDARY FALLS.

Served by West Kootenay Power and Light Co., Ltd.; see Rossland, B.C.

BRITANNIA BEACH.

Nov., 1918.

Britannia Mining and Smelting Company, Ltd. (Hydro Power Plant No. 8GA₃).

Address.—Local Office, Britannia Beach, B.C.

Officials.—J. W. D. Moodie (Vice-Pres. and Gen. Mgr.); E. J. Donahue (Sec.-Treas.).

Plants. The company operates two plants, the Tunnel Power House and the Beach Power House, on Britannia creek on east shore of Howe sound, 28 miles from Vancouver. The Tunnel Power House is situated about three miles from the Beach Power House, 2,084 feet above sea-level. The water is conveyed from a diversion dam on Britannia creek through a pipe line 7,100 feet long to the Tunnel plant, and is augmented by a supply from Jane and Marmot creeks, the water being conveyed to the main pipe through wood stave pipes. The Beach Power House is situated 165 feet above sea-level and is served by two pipe lines, the intake of one being at 1,920 feet and the other at 745 feet above sea-level; the lengths being 13,900 feet and 4,570 feet, respectively.

Installation.—The plants operate under heads varying from 600 to 2,080 feet. Total turbine capacity of plants 13,700 h.p., and total generator capacity 7,650 k.w.a. Some units are installed for the operation of air compressors.

Power. Practically all the power is used in the operation of the company's mines and reduction mill. A small amount of power is sold for lighting in Britannia Beach.

BRITISH COLUMBIA.