

MAGRATH.

Crane-Cassidy Electric Company, Ltd. (Fuel Power Plant No. 5AE₂). June, 1918.

Address,—129 5th Ave. E., Calgary, Alta.

Officials,—M. J. Crane, Calgary, Alta. (Pres. and Mgr.); J. J. Cassidy, Calgary, Alta. (Vice-Pres.); I. McNally, Calgary, Alta. (Sec.).

History,—Plant installed August, 1917.

Capital invested in Plant and Equipment,—\$20,000.

Plant. *Official*,—Ed. Miller (Supt.).

Location,—Plant located in Magrath, Alta.

Installation,—Steam Engine—1 reciprocating, 100 h.p.; Generator—1 Elect. Machine, A.C., 3-phase, 60-cycle, 50 k.v.a., 900 r.p.m.

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

Use of Power,—Power used for lighting.

Power is delivered adjacent to Canadian Pacific Ry.

MEDICINE HAT.

Municipality of Medicine Hat. (Fuel Power Plant No. 5AJ₁). May, 1918.

Officials,—M. A. Brown (Mayor); F. Blackburn (City Clerk).

History,—First two units installed in 1910; additional units installed in 1913 and 1915.

Capital invested in Plant and Equipment,—\$387,042.

Plant. *Official*,—G. R. Taylor (Supt. Utilities).

Location,—Plant located at Medicine Hat.

Installation,—Plant uses natural gas for fuel. Boilers—Babcock & Wilcox, water tube, gas fired, 1,600 h.p.; Steam Turbines—2 at 1,000 h.p. and 1 at 2,000 h.p.; Gas Engines—2 at 200 h.p. each; total prime power, 4,400 h.p.; Generators—2 Siemens, A.C., 3-phase, 60-cycle, 750 k.v.a., 3,600 r.p.m., 1 West., A.C., 3-phase, 60-cycle, 1,500 k.v.a., 3,600 r.p.m., 2 Bergman, 170 k.v.a. each, total 3,340 k.v.a.; Exciters—3 generators: 1 turbine driven, 1 motor driven, and 1 belted to main unit; Transformers—high tension equipment, primary 2,300 v., secondary 13,200 v., 1,500 k.v.a.

Power. *Local distribution lines* serve the municipality of Medicine Hat.

Use of Power,—Power used for lighting, and general power purposes, including the operation of brickyards, linseed-oil mills, foundry and machine shops, grain elevators, munition factories, pottery plants, sewerage plant, and cold storage plant.

Power is delivered adjacent to Canadian Pacific Ry.

The municipality contemplates installing an additional unit of 1,500 k.w. capacity.

Power rates range from 6 cents to 1 cent per k.w. hr., with graduated discounts.

NANTON.

Municipality of Nanton. (Fuel Power Plant No. 5AC₁). May, 1918.

Officials,—A. Z. Jessup (Mayor); Wm. Robertson (Sec.-Treas.).

History,—Plant installed in 1910 with steam engine. In 1916 a gas engine was installed to replace the steam engine.

Capital invested in Plant and Equipment,—\$10,500.

Plant. *Official*,—A. Langstroth.

Location,—Plant located in Nanton, Alta., adjacent to Canadian Pacific Ry.

Installation,—Plant uses natural gas. Boilers—2 at 120 h.p. each (not in use); Steam Engine—1 Robb-Armstrong reciprocating, 125 h.p. (not in use); Gas Engine—1 Canadian Producer gas engine, 75 h.p., total 200 h.p.; Generator—1 Gen. Elect., A.C., 3-phase, 60-cycle, 75 k.w., 275 r.p.m.; Exciter—1 Gen. Elect., generator, 7 k.w., belted to main unit.

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

Use of Power,—Power is used for lighting only.

Power is delivered adjacent to Canadian Pacific Ry.

ALBERTA.