

Pumping Engines

This bulletin illustrates a few of the Canadian installations of pumping engines built from Allis-Chalmers Co. designs.

On the opposite page is shown the Horizontal Double-Acting Crank and Fly-Wheel Plunger Pump, driven by a Cross-Compound Reynolds Corliss Engine, built by Allis-Chalmers-Bullock, Limited, for the Corporation of Glace Bay, N.S.

This type of pumping engine is one which we build for water works and mill service requiring the highest efficiency and economy in operation.

Where the purchaser is not cramped for space and does not require a unit of vertical build, this design is specially advantageous.

In determining the selection of this type, its simple construction, relatively small initial cost and low expense for maintenance and repairs are important factors.

This pump was installed in September, 1906.

Its capacity and principal dimension are as follows:—

Capacity,	2,000,000	imperial gallons in 24 hours.
Water pressure (Domestic),	95	lbs. per square inch.
“ “ (Fire),	100	lbs. “ “ “
Steam “	100	lbs. per square inch.
Vacuum “	26	inches of mercury.
Speed “	60	R. P. M.
H. P. Cylinder,	14	inches diameter, 24 inches stroke.
L. P. “	28	“ “ 24 “ “
Pump Plungers,	9½	“ “ 24 “ “
Fly-Wheel,	10	feet diameter, weight about 10,000 lbs.
Suction Pipe,	12	inches diameter.
Discharge Pipe,	10	“ “
Condenser,	Jet	type.
Duty,	100,000,000	per 1000 lbs. dry steam.