

Power Plant Canadian Locomotive Works

Producer Gas was Considered but the Heating Problems Resulted in the Choice of Steam. Details of Power Plant Equipment. Test of Power Plant. Paper Read Before the Canadian Society of Civil Engineers, October 29, 1908.

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The works of the Canadian Locomotive Co., at Kingston, are the oldest establishment in Canada devoted to locomotive construction.

Dating back, as they do, almost sixty years, the history of these works exemplifies the fact that commercial success depends on ability in management more than on any other condition. Under different administrations the fortunes of the works have been various, though

and the blacksmith shop and foundry, have massive masonry walls in accordance with English traditions. In these old buildings the rather small windows interfere somewhat with good lighting, but the durability and the rigidity of their walls contrast favorably with much of our later work in which considerations of first cost have been paramount, resulting in unduly large maintenance charges.

While excellent engines have been built in these works,

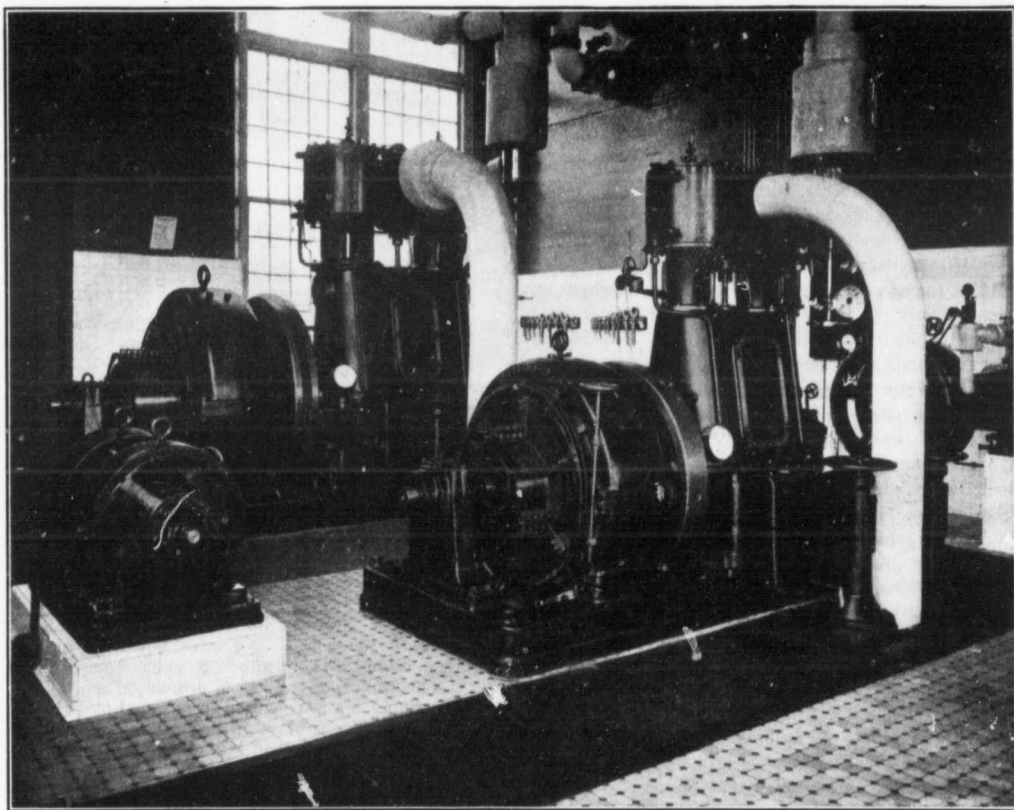


Fig. 1—New Power Plant of Canadian Locomotive Works, Kingston; two Belliss & Morcom Engines, 365 B.H.P. and 165 B.H.P. Respectively; Canadian Westinghouse Generators, 250 K.W. and 100 K.W. Respectively.

Photo Courtesy Laurie & Lamb.

but little change was made in the plant itself, apart from some enlargement.

The works, as shown in Fig. 1, front directly on the St. Lawrence River, close to the point where it leaves Lake Ontario, providing ample dockage facilities for the unloading and storage of coal and other bulky material.

The principal older buildings, viz., the machine shop

the plant has lacked modern facilities for handling heavy weights, and in many other respects has not been well adapted for the most economical and rapid prosecution of the work.

In the summer of 1906, general plans drawn up by the writer for the enlargement and modernizing of the works were adopted by the management. They were intended