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discussion as possible at earliest date.

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THE LACHINE RAPIDS POWER HOUSE

OF THE

LACHINE RAPIDS HYDRAULIC & LAND COMPANY,
LIMITED, MONTREAL.

The Original and Present Arrangement of Generators,
Exciters and Switch-boards, Etc.

By R. S. KELSCH, M. Can. Soc. C.E.

The Power House is not only unique, but is a wonderful plant. This is said advisedly, for to the best of the writer's knowledge nothing like it exists to-day on this Continent. By this is meant a power plant of such low head and large capacity for generating electric power for central station distribution.

When the power house was projected, plans and designs gotten out for the generators, switch-boards, etc., there existed very little data regarding the operating of such a plant. Furthermore, the three phase system in this country was not very far advanced, and there was more or less uncertainty as to how the output of this plant would be disposed of.

Under these conditions considerable temporary work was done and the plant was operated under difficulties. However, after operating some time, it was self-evident that a widely different plan for