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**ELECTRICAL EQUIPMENT OF McDONALD
ENGINEERING BUILDING AT MCGILL.**

THROUGH the munificence of Sir W. C. McDonald, the authorities of McGill University, Montreal, have been enabled to erect and equip a building for the study of engineering which is one of the most complete insti-

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tories and test rooms. It differs in one important particular from a power house for purely commercial purposes, inasmuch as there has been no attempt at standardization in the units adopted as regards the type, the reason obviously being that it has been considered advisable to bring under the notice of the

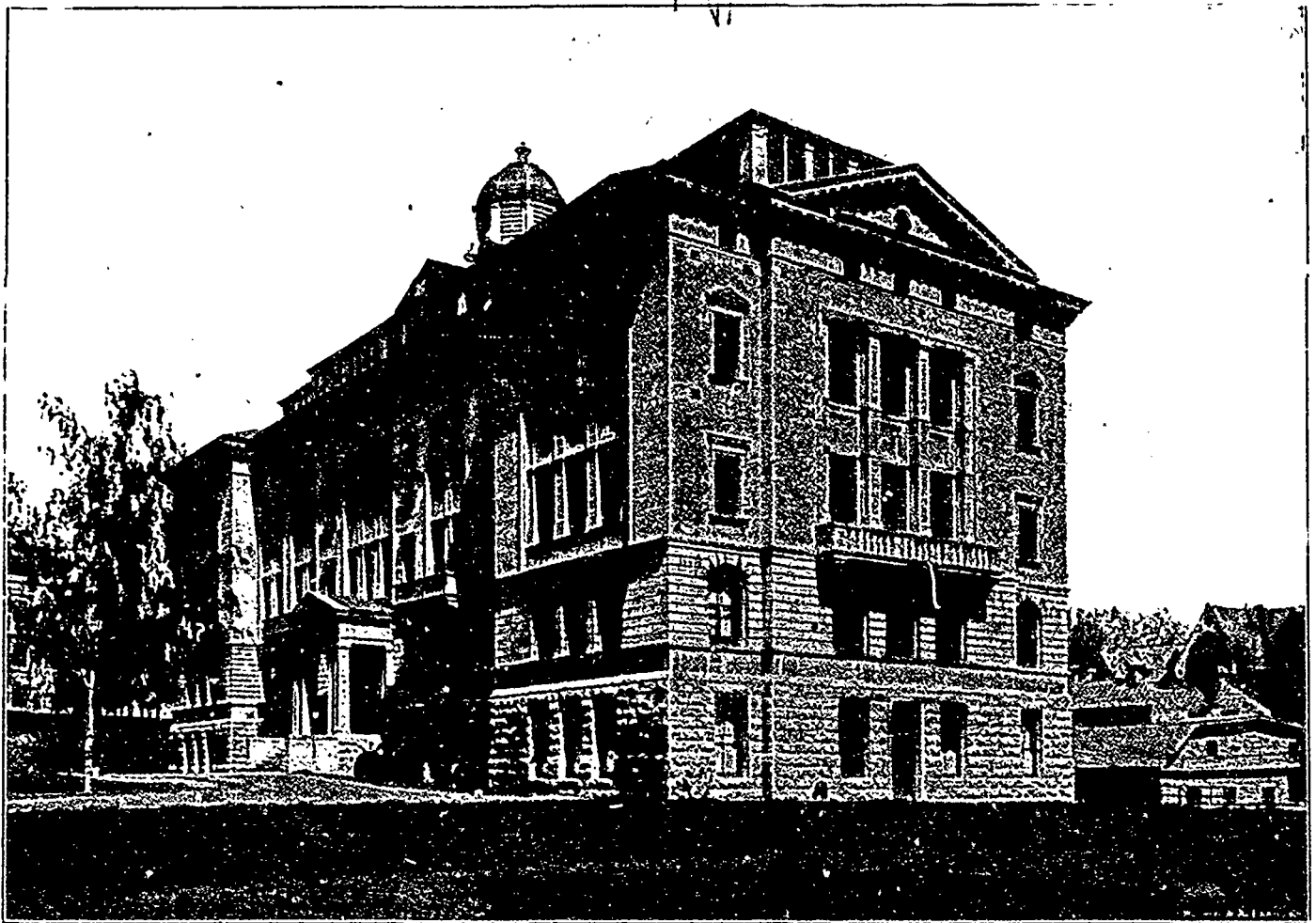


FIG. 1—McDONALD ENGINEERING BUILDING, MCGILL UNIVERSITY, MONTREAL.

tutions of the kind in America. Of pleasing architecture, the exterior is at once admired, while the interior arrangements and equipment command equal praise. The electrical equipment of the McDonald Engineering Building, as it is called, was described at some length in the *ELECTRICAL NEWS* of May, 1898, but since that time extensive alterations and additions have been made, as will be seen from the following particulars and accompanying illustrations of the equipment as it now stands:

The power station, the heart of the institution, is well shown in the illustration on this page. In this room all the electric power is generated which is used in the building for lighting and power and for the labor-

student as many different types of apparatus as possible. Consequently, side by side will be found a Robb-Armstrong engine driving a 75 k.w. direct current 110 volt Crocker Wheeler generator, while opposite is seen a similar size Ideal engine, by Goldie & McCulloch, driving a 75 k.w. Canadian General Electric Company's machine of the same voltage.

Great Britain is represented by two Willans engines driving a Siemens and a Mather & Platt direct current 30 k.w. 110 volt machine respectively. All or any of these machines may be used for either lighting and power for the general uses of the building, or for the laboratory testing purposes, through a four pair switch-board.