I-T-E Switchboard Practice: A Supplement to "Modern Switchboards"

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THE CUTTER ELECTRICAL AND MANUFACTURING COMPANY

I-T-E SWITCHBOARD PRACTICE: A SUPPLEMENT TO "MODERN SWITCHBOARDS"

Trieste

I-T-E
SWITCHBOARD
PRACTICE

A SUPPLEMENT TO "MODERN SWITCHBOARDS," PUBLISHED BY US IN 1898, AND FOR SOME TIME OUT OF PRINT

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FOR DIRECT CURRENT ONLY.

FOR DIRECT OR ALTERNATING CURRENT.

SPACING.

INTRODUCTION.

One reason why the American manufacturer is making such rapid strides in the markets of the world is his employment of ELECTRICITY. By its use he turns NIGHT into DAY, and gets greater speed and efficiency from his machinery. Replacing slow and ineffective hand labor by high-power, electrically-operated machines and automatic devices, he not only vastly increases the output of his establishment, but at the same time improves the quality of the product and insures its uniformity.

To-day hardly an industrial plant is without its electrical equipment, be it an immense isolated plant or a few motors. In any case, the user of electricity cannot fail to be keenly interested in the subject of AUTOMATIC CIRCUIT BREAKERS. It may no longer be necessary to tell what a Circuit Breaker is, but we may be allowed to call attention to the scope of our work in this field, pointing out the value of I-T-E CIRCUIT BREAKERS as a means of automatically opening any electrical circuit. There are, perhaps, few engineers who fully realize the almost unlimited usefulness of this device.

Primarily, the Automatic Circuit Breaker is a Safety Device. Some have called it a "Limit Switch," while others have named it an "Electric Safety Valve," or "Cut-out;" it has, in fact, the features indicated by all these names.

The field of Automatic Circuit-Breaking was, in its earlier days, limited to protecting circuits and apparatus from overloads; to-day, however, Automatic Circuit Breakers are made to meet, either separately or in combination, a wide variety of other conditions equally important.

It would be impracticable to cover all the possibilities of Automatic Circuit-Breaking within the limits of this publication, but the