

**CONNECTING INDUCTION MOTORS. THE  
PRACTICAL APPLICATION OF A  
DESIGNING ENGINEER'S  
EXPERIENCE TO THE PROBLEMS OF  
OPERATING ENGINEERS, ARMATURE  
WINDERS AND REPAIR MEN.**

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**A. M. DUDLEY**

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# CONNECTING INDUCTION MOTORS

The Practical Application of a Designing Engineer's Experience to the Problems of Operating Engineers, Armature Winders and Repair Men. Also the Presentation to Students of Practical Questions Arising in Winding and Connecting Alternating Current Motors.

BY

*Adelphius  
Omsfield*  
A. M. DUDLEY, B.S. IN E. E. (Michigan)

FELLOW AMERICAN INSTITUTE ELECTRICAL ENGINEERS; MEMBER SOCIETY OF  
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### PREFACE

The material which later developed into this book appeared first in the "Electric Journal" in February, 1916. It was prepared as a general answer to questions which come to the Question Box Editor, regarding Induction Motor Connections and the possibility of making changes to meet varying conditions of voltage, phase, etc. This article came to the attention of Mr. F. A. Annett, Associate Editor of "Power," and at his request was elaborated into a series of articles appearing at intervals from January, 1917, for about 3 years. From the comments on these articles, there appeared to be a justification for a permanent form which is now presented in this book.

Owing to the fact that the articles appeared in this way and without definite plan at the start, the material lacks unity in some details, and also bears evidence of being viewed from a repair standpoint rather than as a book on winding. The author still cherishes the hope that the future may bring time and opportunity for a revision, which will permit a more orderly arrangement. In its present form it is offered for what it may be worth to practical men engaged in operating and repair work. It was these men who were always in mind and for whose use the material was intended.

The author takes this opportunity of expressing his gratitude to the Westinghouse Electric and Manufacturing Company for permission to present the material, and to the "Electric Journal" and "Power" for the use of cuts and material appearing in their columns. He wishes also to express a personal appreciation of the assistance and inspiration afforded by Mr. F. A. Annett, whose interest in the subject made this book possible.

A. M. DUDLEY.

EAST PITTSBURGH, PA.,  
November, 1920.

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