

CONCRETE-STEEL

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1905.

CONCRETE-STEEL

A TREATISE
ON THE THEORY AND PRACTICE
OF REINFORCED CONCRETE
CONSTRUCTION

BY

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WITH NUMEROUS ILLUSTRATIONS
DIAGRAMS & TABLES

HOUGHTON MIFFLIN & CO.
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PREFACE

THE object of this work is to present definite and reliable information relative to concrete-steel construction, a subject whose literature is scattered over articles in various technical journals, chiefly of foreign origin, and upon which no treatise of convenient form and dimensions has hitherto been published in the English language for the guidance of engineers, architects, and others who desire to make use of the new material.

In dealing with the subject, the author has endeavoured to preserve a strict continuity of treatment, commencing with the physical properties of concrete and steel, and the effects of their joint action. The principles underlying the theory of concrete-steel are then discussed, and in connexion with each of the chief types of members employed in construction, the rules necessary for correct design and for the precise calculation of strength are stated, and their uses demonstrated by practical examples.

The different chapters are divided into numbered articles for the purpose of facilitating reference; and, with the