



Plain and Reinforced Concrete Arches: With Additional Illustrations Second Thousand (Classic Reprint) (Paperback)

By J Melan

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Plain and Reinforced Concrete Arches: With Additional Illustrations Second Thousand This book is a translation of Professor J. Melan's article on arches (Theorie des Gewölbes und des Eisenbetongewölbes insbesondere), published in F. von Emperger's *Lehrbuch des Eisenbetonbaus* (Berlin, 1905). A second, revised edition of this work appeared in 1912, with much valuable material added by Melan; this latest edition is represented in this translation. The recognized leading position of the author in this field of structural design and the extensive use of his system of arch construction in all parts of the world should be sufficient justification for presenting this book to the engineers of this country. The present work constitutes one of the most thorough treatments of reinforced concrete arches in any language. After a brief discussion of the fundamental principles of arches and a simple though comprehensive treatment of the stresses in reinforced concrete sections, there are presented analytic and graphic methods for the complete design of all types of concrete arches occurring in practice. The graphic methods which are...



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