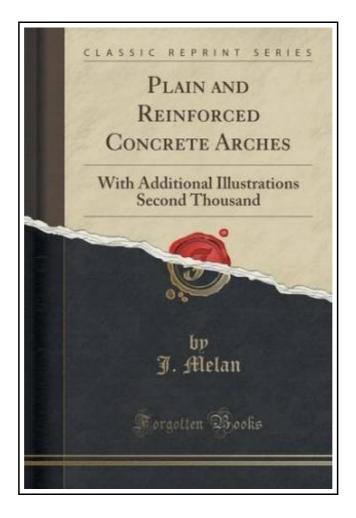
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Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. Excerpt from Plain and Reinforced Concrete Arches: With Additional Illustrations Second Thousand This book is a translation of Professor J. Mclan s article on arches (Thcoric des Gruolbcs and dcs Eiscnbctongavolbcs ini besondercn). published in F. von Emperger s ILindbuch Jiir Eiscnbctonbau (Berlin. 190S). 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 arc presented analytic and graphic methods for the complete design of all types of concrete arches occurring in practice. The graphic methods which are given, permitting the use of influence lines, will be found very practical, although new to American designers. The effects of temperature, of yielding abutments and of nonvertical loads are separately considered. The following are some special features which should commend this book to American readers. In addition to the exact treatments, simple approximations and short cuts are introduced which will prove highly useful for preliminary and less exacting designs. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art...

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