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業務研究資料



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論 說 報 告

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概 概

本文ハ鐵道創業時代ヨリ現時ニ到ル六十有餘年間ニ於ケル本邦鐵道橋ノ沿革ニ就テ述ベタルモノニシテ、特ニ橋梁ノ形式、設計法、架設法等ノ沿革ニ就テ詳論シ、本邦ニ於ケル鐵道橋梁技術ノ發達ノ経路及鐵道橋ノ現状ヲ闡明スルニ努メタリ。

本文ノ著者ハ大正六年土木學會誌上ニ本問題ニ關スル調査ノ一部ヲ發表シタルコトアリシガ、爾來鐵道事業ノ進展ニ伴ヒ、橋梁技術上ニ就テモ亦、其業績ノ見ルベキモノ漸ク多カラントスルニ當リ、之ヲ増補改訂シ、更ニ、現存鐵道橋ニ關スル調査、鐵道橋ノ架設法ニ關スル調査等ヲ加ヘ、溫故知新ノ一資料トシテ之ヲ發表セントスルモノナリ。

A History of the Railway Bridges in Japan.

By K. Kubota

This is a historical record of the development of the Japanese railway bridges as seen during more than sixty years from the time of the first railway operation down to the present. Here a specially detailed account is given of the development of the types, designs and methods of erection of the bridges so that the advancement in the technical field of bridge construction during this period and the actual condition of the bridges may be made clear.

Formerly an investigation was made by the author of a similar subject, and a part of the result was given in his paper appearing in the February, 1917 number of the Journal of the Civil Engineering Society of Japan. But since then the technical progress in bridge building has become more and more remarkable with the expansion of railway business. In view of this fact the author has prepared the present paper by revising and enlarging the old one and adding thereto the results of his study of the existing railway bridges and methods of railway bridge erection. He hopes that it will serve as an aid in reviewing the past and carrying the old knowledge into new fields.