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No. 15—1912.

O Amends

British Engineering Standards Association.

Incorporated by Royal Charter 1929

FORMED IN 1901 AS THE ENGINEERING STANDARDS COMMITTEE
BY

THE INSTITUTION OF CIVIL ENGINEERS.
THE INSTITUTION OF MECHANICAL ENGINEERS.
THE INSTITUTION OF NAVAL ARCHITECTS.
THE IRON AND STEEL INSTITUTE.
THE INSTITUTION OF ELECTRICAL ENGINEERS.

CANCELLED
SEE REVISED SPECIFICATION.

BRITISH
STANDARD SPECIFICATION
FOR
STRUCTURAL STEEL
FOR
BRIDGES, ETC., AND GENERAL BUILDING CONSTRUCTION.

(REVISED AUGUST, 1912.)

LONDON:
PUBLISHED FOR THE ASSOCIATION BY CROSBY LOCKWOOD & SON,
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August, 1912.

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PREFACE TO FIRST EDITION.

The Sectional Committee on Bridges and General Building Construction was appointed by the Main Committee on July 19th, 1901.

Having, in conjunction with the Sectional Committee on Ships' Sections and the Sectional Committee on Railway Rolling Stock Underframes, completed the Standard list of Rolled Sections for Structural purposes, the Committee next turned their attention to a Standard Specification for Structural Steel for Bridges and General Building Construction. The draft of the Specification was submitted to the Science Standing Committee of the Royal Institute of British Architects, and certain modifications have been introduced into the Specification as a result of the co-operation of that Committee. The Specification was adopted by the Sectional Committee on Bridges and General Building Construction at their meeting held on May 23rd, 1906.

This Report was approved by the Main Committee at their meeting held on June 19th, 1906.

B. BAKER,

*Chairman of the Sectional Committee on Bridges
and General Building Construction.*



(5)

PREFACE TO FIRST REVISION.

Since the first issue of the Specification in June, 1906, the Committee have from time to time had brought before them points which had arisen in connection with its use, and the present issue embodies the Committee's decisions in regard to these. Some of the more important modifications to the Specification are as follows:—

1. The classification of the material dealt with into **A** Steel and **B** Steel.
2. The increase of the allowable Phosphorus Content in **B** Steel from 0.07 to 0.08 per cent.
3. The increase of the upper limit of tensile strength for plates, sections and bars (other than rivet bars), from 32 to 33 tons per square inch.
4. The reduction of the lower limit of tensile strength for rivet bars from 26 to 25 tons per square inch.
5. The insertion of Clauses dealing with (a) tests by an Independent Expert, (b) Rejection after delivery, and (c) Arbitration in cases where this is not otherwise provided for.

The text of the Specification has been settled in consultation with the Committee by Mr. A. A. Hudson, K.C. (Standing Counsel to the Committee), with a view of ensuring that so far as practicable it has the meaning intended by them, and the Specification has been remodelled in accordance with his advice.

The Specification in its present form was approved by the Sectional Committee at their meeting on April 26th, 1912, and by the Main Committee on July 18th, 1912.

R. ELLIOTT-COOPER,

*Chairman of the Sectional Committee on Bridges
and General Building Construction.*