

BOOKS ON CIVIL ENGINEERING

The Theory and Practice of Bridge Construction in Timber, Iron and Steel

By MORGAN W. DAVIES

London, 1908.

Cloth, 594 pp., 12mo, \$3.50 net

The aim of this work is primarily to furnish easily understood rules whereby problems connected with Bridge Construction may be treated analytically and graphically. Examples are given of the various types of existing bridges constructed either of timber or of steel. In every instance the calculations and designs are set out step by step in their development and the illustrations have been reproduced from the actual working drawings.

Moving Loads on Railway Underbridges

Including Diagrams of Bending Moments and Shearing Forces, and Tables of Equivalent Uniform Live Loads.

By HARRY BAMFORD, M.Sc., A. M. Inst. C. E.

London, 1907.

Cloth, 78 pp., 8vo, \$1.25 net

By a direct application of the funicular polygon, the author has succeeded in devising a graphical method, whereby on a single diagram, the maximum shears and the maximum bending moments and the points along the spans at which they occur can be determined with facility for a wide range of spans and for any given type-train. The book will prove useful to engineering students in general and to designers of railway underbridges in particular.

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