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## The Strains Upon Bridge Girders and Roof Trusses: Including the Warren, Lattice, Trellis, Bowstring, and Other Forms of Girders, the Curved Roof, and Simple and Compound Trusses (Classic Reprint)

By Thomas Cargill

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Excerpt from The Strains Upon Bridge Girders and Roof Trusses: Including the Warren, Lattice, Trellis, Bowstring, and Other Forms of Girders, the Curved Roof, and Simple and Compound Trusses A series of article contributed to the scientific journal The Engineer in the years 1870-71, constituted the nucleus of the present treatise. They were written at such periods of leisure, as the Author could spare from the time devoted to his professional duties. The method of determining the strains upon a structure, by the aid of graphic diagrams, is at once accurate and elegant, and recommends itself especially to the engineering student and beginner, by its simplicity and conclusiveness. The particular method adopted by the Author, is that, in which, each successive strain is shown in diagrams, so that the manner in which, the total strain upon any member of a structure is produced, may be thoroughly understood. The manner in which the; strains are transferred from one member to another, can be thus traced throughout the whole design, which is not the case with mathematical calculation, the...



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