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Iron Bridges, Roofs, Buildings, C: Manufactured by the Moseley Iron Building Works, No; 53 Washington Street, Boston (Classic Reprint)

By Unknown Author

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Iron Bridges, Roofs, Buildings, C: Manufactured by the Moseley Iron Building Works, No; 53 Washington Street, Boston The supporting parts of the Bridge are two Arches, one on each side of the roadway. These Arches are hollow, and are triangular or three-sided; made of wrought plate or boiler iron, by riveting three plates together at their edges. [See Fig. IV. on the diagram, which shows the hollow Arch, with Suspension Bar passing through it.] In no other form can iron be arranged to bear a greater burden than in this. By actual tests, every inch of iron in the cross section of the Arches will bear 15,000 lbs.; but in practice, we provide for a weight of not less than four times the required burden, calculated, moreover, at a pressure of 7,000 lbs. per square inch of section. From foot to foot of each Arch goes the Chord [See Figs. I., II. and V.] This is double, and binds securely the feet of the Arch to each other, so that there is no thrust or...



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Reviews

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