



## Transactions of the American Society of Civil Engineers Volume 25

By American Society of Civil Engineers

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1891 Excerpt: .tower as used in American viaducts, and its rise in these cases was not due to originality of conception so much as to the necessity of the cases, which demanded a pier stable in itself at each end of the long open span, for the continuous lines of longitudinal strutting to bear against; since at that time it was thought essential to continue such strutting from abutment to abutment. By using these braced towers the structure was practically composed of two trestles, each of which was complete in itself, but connected by an open span so as to form one whole. The features in the foregoing trestles, which were original with C. Shaler Smith and C. H. Latrobe, can be briefly stated as follows: First.--Cast-iron foot-boxes interposed between and forming the bearings for the column sections, in combination with longitudinal diagonal ties connecting the joints of...

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