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Secondary Stresses in Bridge Trusses (Paperback)

By Carl Robert Grimm

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. 1908 Excerpt: .provided we cannot give it supports which are almost as good as fixed. It is also essential in such a case that the supports are placed with the utmost care in those positions as assumed in the computations. Of course not every truss is affected by a displacement of its supports. So, for instance, a truss, resting on two supports and with one movable end, a cantilever truss or a three-hinged arch are free from this influence. On the other hand, a continuous truss is very susceptible to the influence of a yielding of the foundations or a settlement of the piers (particularly so if very massive Continuous truss over three supports. We will suppose that the center pier of a continuous truss over three supports yields vertically to the amount of D inches, Fig. 44. Such a displacement reduces the center reaction an amount X ,...



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