

The Theory and Practice of Modern Framed Structures Volume N . 3 Designed for the Use of Schools and for Engineers in Professional Practice

By John Butler Johnson

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 138 pages. Dimensions: 9.7in. x 7.4in. x 0.3in.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. 1916 Excerpt: . . . dealing with pins it is convenient to resolve all forces into horizontal and vertical components and then to sum up the components separately and get the resultant where desired. The shearing stress is calculated as in rivets, as the average stress on the entire cross-section, and the allowed unit (12, 000 lbs. per sq. in. in the Specifications, Art. 18) is applied in the same way. It is seldom that the shearing stresses will determine the pin size. (2) Bending Moments. --The bending moments are generally calculated by assuming the loads as concentrated loads, applied at the centres of bearing of the several members. This gives slightly larger values for moments than if the loads are assumed as distributed over the areas of contact, and sometimes it is specified that the loads may be assumed as distributed over one-half the widths of the bearings. The difference...



Reviews

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