



## Elementary Graphic Statics and the Construction of Trussed Roofs; A Manual of Theory and Practice (Paperback)

By Nathan Clifford Ricker

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. 1892 edition.

Excerpt: . of division  $x$ , also bisecting it at  $a$ . On the same vertical line, lay off  $ab$  and  $ac$ , each =  $10.71-r-2$  tons, and divide  $bc$  into 7 equal parts, marking these points of division  $y$ . The load line  $de$  represents the total load on the upper chord, one part  $ax$  also representing the load at one joint;  $be$  represents the total load on the lower chord, one part  $yy$  being the load at one joint. Joint A. The reaction evidently = half the total load on the entire truss, =  $ae-f-ab = be$ . Through  $b$ , draw  $y$  parallel to  $Y1$  of Fig. 42, and through  $e$ , draw  $xl$  parallel to  $XI$ ; these intersect at  $1$ , and  $yl$  represents the strain in  $Y1$ , and  $xl$ , that in  $XI$  of the given truss. Joint B. Draw  $12$  and  $y2$  parallel to  $12$  and  $Y2$ ...



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