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## A Practical Treatise on the Strength and Stiffness of Timber Intended as a Guide for Engineers, Architects, Carpenters . To Which Is Added an AB

By William Turnbull

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 26 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1833 edition. Excerpt: . . . pounds, at a point 16 feet from one support, and 4 feet from the other; and half the weight of a beam of these dimensions is 141 pounds; therefore 3464--141 3323 pounds, the same as the load proposed. Problem XX. In the equation  $mnw 3ld3$  there are given the diameter  $d$ , the length of bearing  $l$ , and the load  $w$ ; to find  $m$  and  $n$ , the segments of the length separately. Divide both sides of the equation by the given load, and we get but  $m n$  by the nature of the question. Hence, by the rule at Problem VII. , we obtain for the segments of the length, the following expressions, viz. where  $m$  is the greater and  $n$  the lesser segment; from which the following practical rule is derived. Rule 36. Multiply 125 times the length of bearing in feet, by the...



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