A System of Useful Formulae; Adapted to the Practical Operations of Locating and Constructing Railroads

By Simeon Borden

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. 1851 Excerpt: . the deficiency of such papers, or to refresh his memory, where, perchance, he may be somewhat in doubt. In the following formula we shall use the symbols by which we represent the triangle under consideration. Tan. X = . Hieo-An(r+d)c-. and x + (180--A) = C; andX--J (180--A) = C. And sin. C: r + d:: sin. A: a = J -- . -(40) or, by way of proof, we have sin. C which, if our previous computations have been correctly performed, the results of this and the preceding analogy will be alike. (40) Having solved the small triangle, we next endeavor to find the magnitude of the frog angle, and its relative position in the main track. For the accomplishment of which object, we have in the triangle CFC the three sides, to obtain their angles. Having obtained their angles, we then, by the...

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