



Economical Designing Timber Trestle Bridges (Classic Reprint) (Paperback)

By A L Johnson

Forgotten Books, 2017. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Economical Designing Timber Trestle Bridges There are in the United States at least miles of timber trestle representing an expenditure of more than These have to be entirely replaced every nine years, on the average, making an annual expenditure of about which, capitalized at 4 per cent, gives an invested capital of \$17 necessary to maintain these structures, consuming annually about feet, B. M., of timber, nearly all of it being in large sizes, very valuable for other purposes. Any economy effected, upon however small a margin it is based, is therefore, when multiplied so enormously, of great benefit not only to the railroad companies but to our national forestry interests. The capital invested in timber structures is greatly in excess (probably twice as much) of that invested in structures of iron and steel. Every piece in these latter structures is thoroughly inspected, both chemically and physically, and carefully designed to carry the imposed load. Timber structures, on the other hand, have been designed according to the general principal that the Lord takes care of His own, as the great number...

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