



Materials of Engineering, Vol. 1 of 3 (Classic Reprint)

By Robert Henry Thurston

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Materials of Engineering, Vol. 1 of 3 I. Use by the Designing Engineer. - The mechanical engineer makes comparatively little use of the materials of masonry. Their principal value to him is for use in foundations, and in structures protecting his machinery. Of the stones, but few are well adapted to his purpose. Using them in foundations, he requires them to be strong and dense, hard and durable; and the mortars and cements used to bind them should be of the best possible quality. A foundation intended to bear the shock and tremor of moving machinery must, necessarily, be more carefully built, and must be constructed of more carefully selected materials than a foundation carrying a load at rest. The civil engineer makes frequent use of all the materials of masonry. There is given here a summary of the most important characteristics of these materials. For a more detailed account of them, reference may be made to special works on civil engineering. The mason uses for foundations natural stones which are either silicious, calcareous, or...



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