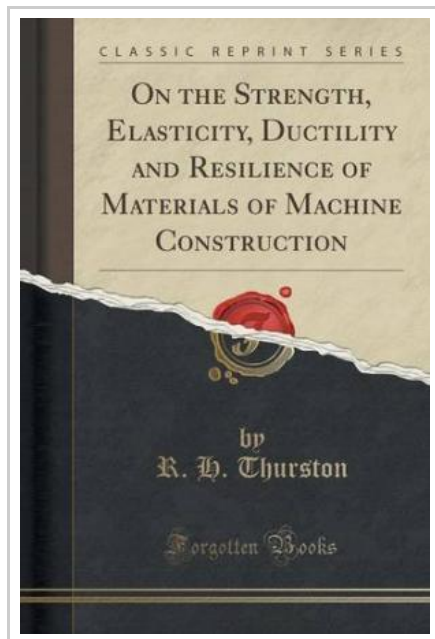




On the Strength, Elasticity, Ductility and Resilience of Materials of Machine Construction (Classic Reprint) (Paperback)

By R H Thurston

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from On the Strength, Elasticity, Ductility and Resilience of Materials of Machine Construction 1. Introductory. - Some months ago, while engaged with the advanced classes of the Stevens Institute of Technology, in experi-mental investigations of the resistance of materials, it was found that coefficients were given, by various authorities, which neither accorded fully with each other or with those then obtained. The desirability of determining how far these differences were due to errors of observation, and how far to variation in the quality of the materials examined, induced the writer to design several machines for the purpose of conducting with them a more extended and exact series of experiments. The machine for measuring torsional resistance was furnished with an automatic registry, recording a diagram which] is a reliable and exact representation of all circumstances attending the distortion and fracture of the specimen. 2so system of personal DEGREES observation could probably be devised which could yield results cither as reliable or as precise as such a system of autographic registry, and, as no method previously in use...



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