



## Report of the Tests of Metals and Other Materials for Industrial Purposes Made with the United States Testing Machine at Watertown Arsenal, Massachusetts, During the Year Ended Volume 1 (Paperback)

By United States Army Ordnance Dept

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. 1883 Excerpt: . plate, 10 x . 735. 1 steel rivets, hand-driven. Punched holes: Punch, l-ft diameter; die, ly diameter. Square inches. Gross sectional area of upper plate 7.39 Net sectional area of upper plate 3.74 Bearing surface of rivets 7.30 Shearing area of rivets 8.86 Fractured upper plate across row of rivet holes. Fractures granular, radiating from rivet holes; fonr sections broke simultaneously; one end section broke last, at 170,000 ponnds load; sharp snapping sonnd heard, the load falling slightly at the same time. Maximum loads on joint. Ponnds per sq. inch. Tensile strain on gross section of upper plate 24,050 Tensile strain on net section of upper plate 47,510 Compressive strain on bearing surface of rivets 24,340 Shearing strain on ri vets 20,060 l-)9m jo pan paB9Bd jo stjou.n Hi. 8 6 9 6 0 6 l l J W f W z!)-.JB3( jo jsqmnx S...



**READ ONLINE**  
[ 5.77 MB ]

### Reviews

*Good eBook and helpful one. It really is writter in straightforward words and phrases and never confusing. I am just effortlessly could possibly get a enjoyment of looking at a published book.*

-- **Romaine Rippin**

*The book is great and fantastic. it absolutely was writtern very properly and beneficial. It is extremely difficult to leave it before concluding, once you begin to read the book.*

-- **Lyda Davis II**