

The Flow of Water; A New Theory of the Motion of Water Under Pressure and in Open Conduits and Its Pratical Application (Paperback)



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Excellent e-book and useful one. It is writter in straightforward phrases rather than confusing. I am just very happy to explain how here is the finest publication i have got read through in my very own lifestyle and might be he greatest book for possibly.

(Viva Schuster)


THE FLOW OF WATER; A NEW THEORY OF THE MOTION OF WATER UNDER PRESSURE AND IN OPEN CONDUITS AND ITS PRATICAL APPLICATION (PAPERBACK)

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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. 1909 Excerpt: . to guard against defects in the casting or the welding. For such conduits as are subject to water ram a pressure of 100 pounds per square inch is allowed in addition to the pressure due to the head which is equal to $P = 0.434 h$. The stresses allowed in the material and the constants added are: Since the advent of reinforced concrete, conduits constructed of this material are coming more and more into favor. Steelconcrete water pipes resisting pressures of heads exceeding 100 feet are now in use. The two aqueduct-syphons of Sosa have internal diameters of 12.46 feet, and resist the pressure of a head of 92 feet. Steel concrete sewer pipe is now made in diameters from 15 to 120 inches. Open conduits lined with concrete are most frequently made semicircular in section. Wooden flumes which are acting simply as aqueducts are generally made semi-square in section, if they are intended to carry lumber or wood the triangular section is used. For aqueducts lined with masonry a section is generally preferred whose sides are vertical or nearly so, whose bottom is a flat segmental arch, and whose top (if covered) is a semicircle. Very large aqueducts, those crossing valleys, streams or other depressions are given a rectangular section. In designing channels in earth the velocity enters into the problem. In those of some dimensions the bottoms are well rounded and the sides given slopes ranging from 1 to 1 for cemented gravel,...

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