



Shaft-Sinking Under Difficult Conditions

By J Riemer

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. 1907 Excerpt: .lead pipe), which is accomplished by the co-operation of heat and pressure. Nor is ice an absolutely rigid body; on the contrary, it becomes plastic at comparatively small pressures and can be caused to change its shape without the preliminary process of thawing. Some years ago the author showed that by a!pressure of 20 atmospheres pure ice at--20 C. could be run into solid rods, through quite small openings. This means that a mass of ice at a depth of 200 m. (656 ft.) would be as plastic as clay, and could no longer retain its form or place without support. Naturally the conditions of plasticity would require much greater pressure (or depth below the surface) if the frozen material were not pure ice, but a mixture of water and clay or sand, in which the internal friction between the constituent particles would be greater and...



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