



## Reports on Researches Concerning the Design and Construction of High Masonry Dams, in View of the Proposed Building of Quaker Bridge Dam (Paperback)

By Benjamin Silliman Church

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. 1889 Excerpt: .empty. M-- Moment of water pressure about the horizontal plane through joint /. a = Vertical distance of flow line below top of profile. (5 = Ratio of unit weight of masonry to unit weight of water. The method as applied to a general profile consists of two initial equations. First initial equation (a).--The first initial equation a applies to that portion of the profile in which the back face is vertical and covers the case in which the limiting pressure obtains on the front face. It gives the length / of the joint. P. r-. n. 2W7 6d W + 2 h m + 6 M Equat1on a. / + =. P P If the resultant reservoir full falls at the extremity of the middle third of the joint, equation a becomes equation b. Equation b. / + l + m 3fL W + m +1....



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