



## A Text-Book on Retaining Walls and Masonry Dams

By Mansfield Merriman

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. 1892 Excerpt: .direction cuts the base. Let  $R$  be the resultant of  $P$  and  $V$  acting at some point  $T$  on the base. Let  $s$  represent the distance  $BS$  and  $t$  the distance  $CT$ . Let the point  $T$  be taken as a centre of moments, and let the lever-arm of  $P$  with and  $n$  will be known as soon as  $/$  is found. To do this the value of  $/$  is expressed in terms of  $/$ , thus: reference to it be  $p$ . The lever-arm of  $V$  is  $b-s-t$ , and that of  $R$  is zero. Then the equation of moments is  $Pp = V(b-s-t)$ , (46) which is the fundamental formula for the investigation of retaining walls. This may be written  $Pp = Vb - Vs - Vt$ , (47) which is sometimes a more convenient form for use, since  $Vb$  and  $Vs$  can be treated like single quantities. To investigate a wall, the factor of security...



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