



Physical Laws Underlying the Scale of a Sounding Tube (Classic Reprint)

By Walter D Lambert

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Physical Laws Underlying the Scale of a Sounding Tube The use of the sounding tube, or depth recorder, has long been recognized as a convenient and rapid method for getting approximate soundings in depths of 100 fathoms or less. It has never been considered an instrument for accurate surveying, and, indeed, the depths shown by two tubes of different patterns thrown overboard at the same point, or even by two tubes of the same pattern, have often exhibited surprising discrepancies. Moreover, it does not appear that the method used in graduating tubes in current use has ever been published in detail. It is the purpose of this paper: (1) To provide as correct a scale as possible for the sounding tubes of the new Coast and Geodetic Survey type, the scale to be computed on assumptions definitely stated and by a stated formula; (2) to provide a method of correcting the depths as read directly from the scale for variations in temperature and in atmospheric pressure, so that the tube may be used in surveying...



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