



Pike's Illustrated Descriptive Catalogue of Optical, Mathematical and Philosophical Instruments Volume 1; Manufactured, Imported, and Sold by the Author; With the Prices Affixed at Which They Are Offered in 1848 .

By Benjamin Pike



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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. 1848 Excerpt: .would furnish us with rules for finding a weight, which, being accumulated uniformly in the circumference, a b c d, would exert an inertia equal to that of the wheels. But as the figures are wholly irregular, recourse must be had to experiment for the discovery of such a weight. For this purpose a weight of thirty grains was affixed to a silk line which did not weigh one-quarter of a grain; this line being wound round the wheel, the weight of thirty grains, by descending from rest, communicated motion to the wheel, and, by many trials, was observed to describe a space of thirty-eight and a half inches in three seconds. From these data we find the mass equivalent to the inertia to be two ounces and three quarters. This is a mass equivalent to the inertia of the wheel, abed, and the frictipnheels together....



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