



## Practical Work in Physics for Use in Schools and Colleges Volume 4; Magnetism and Electricity (Paperback)

By Walter George Woollcombe

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. 1899 Excerpt: . a better method of testing whether the connexions are right is to introduce an approximate resistance from the box of coils, and then to make momentary contact first with one end and then with the other end of the metre wire. The deflexions ought to be in opposite directions. be required in subsequent experiments, (ii) Measure the exact length between the terminals of the bridge of one of the German silver wires, whose resistance,  $r$ , was determined in the last experiment. With the screw gauge find the diameter of the uninsulated wire in two or three places, and take the mean as the true diameter. Calculate the sectional area,  $a$  (or  $\pi r^2$ ), and determine the specific resistance,  $k$ , of German silver by substituting for known quantities in  $k = \rho L / A$  (See Equation i.) Repeat for the other wire and compare your results. Wires are said to be...

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