

SA712708

Late Victorian Arago's Disc Physics Demonstration Apparatus by Harvey & Peak London

Price

Sold**Item Reference: SA712708****Date of manufacture: 1880**

Dimensions

Height = 10 cm (3.9")

Width = 47 cm (18.5")

Depth = 23 cm (9.1")

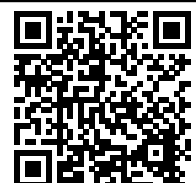
Description

For sale, a Late Victorian Arago's Disc Physics Demonstration Apparatus by Harvey & Peak of Beak Street London. An interesting and seldom seen piece comprised of a mahogany base with a large and a small pulley connected by a leather band. The large pulley is rotated by means of a handle and the smaller pulley is attached to a copper disc, over which a mahogany housing is set with a glass plate and central pin on which a magnetic strip is balanced. The reaction between a magnet and other non-ferrous material led to the discovery of eddy currents in 1824 by the French scientist, Francois Arago. This ground breaking work in the field of magnetism earned him the much famed Copley Medal from The Royal Society in 1825 and further work revealed that a rotating copper disc could communicate its motion to a magnet suspended over it. Aptly titled "The magnetism of rotation" by Arago at the time, it was further explained by Michael Faraday in the early 1830's with his theories on electromagnetic induction. This working example retains the maker's plate for Harvey & Peak, successors to W. Ladd & Co, Beak St, London and a further small brass plaque with the initials UCSW and inv...

Seller Details

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