

SA831913

Mid Victorian Savarts Wheel Demonstration by Tisley & Spiller of London

Price

Sold

Item Reference: SA831913

Date of manufacture: 1870

Dimensions

Height = 19 cm (7.5")

Width = 11 cm (4.3")

Depth = 8 cm (3.1")

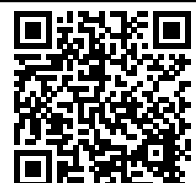
Description

For sale, a mid Victorian Savart's wheel demonstration device by Tisley & Spiller London. Constructed in a similar manner to a gyroscope but in a single fixed gimbal screwed into a brass base. The brass wheel has a steel shaft running through to connect to the frame but in differentiation, one spindle side has three graduated and toothed wheels to one side. The other side has a small post graduating from the spindle which allows for a piece of string to be wrapped around and pulled to create the forward force on the wheel. The brass base is engraved to the Mid Victorian makers, Tisley & Spiller, London. The device developed from work originally undertaken by Robert Hooke was an acoustic experiment which allowed the creator to produce sound waves of a known frequency and to deduce how pitch relates to frequency. This early experiment was quickly succeeded by the development of the tuning fork and was not reconsidered until the French physicist Felix Savart revisited it in 1830 while undertaking experiments on human hearing. On this device, the ratchet wheels have a varying number of uniformly spaced teeth. When the wheel is turned slowly while the edge of a card is ...

Seller Details

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