

SA946934

Charles Grafton Page Type Revolving Electromagnetic Motor

Price

Sold

Item Reference: SA946934

Date of manufacture: 1850

Dimensions

Height = 28 cm (11.0")

Width = 12 cm (4.7")

Depth = 12 cm (4.7")

Description

For sale, an early American Charles Grafton Page type revolving electromagnet or Page's revolving ring. Various examples of these early instruments are wonderfully described in Davis's Manual of Magnetism, by the famous Boston instrument maker (Daniel Davis Jr) who worked directly with Page. This particular instrument is described as "Page's Revolving Ring" but is essentially an electromagnetic motor. In differentiation from the Davis example which uses a steel magnet, this instrument consists of U form electro-magnet, essentially an iron bar with insulated copper wires wrapped around each arm to create the same magnetic effect. The rest is essentially the same with a circular copper wire ring placed on a revolving vertical axis between the magnetic poles and electrical connection points which can still be connected by means of a 9V battery to demonstrate the instrument. This early electric motor differed from most that had gone before due to the inclusion of what Page called a "pole changer". It consists of two semi circular pieces of silver fixed on opposite sides of the axis of the vertical shaft which are insulated from one another, a wire is also soldered from eac...

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