

SA696538

Early Nineteenth Century Nairne Pattern Electrostatic Friction Machine

Price

Sold**Item Reference: SA696538****Date of manufacture: 1800**

Dimensions

Height = 46 cm (18.1")

Width = 50 cm (19.7")

Depth = 24 cm (9.4")

Description

For sale, an early Nineteenth Century Nairne pattern electrostatic friction machine. Consisting of a large glass cylinder suspended on mahogany frame with a handle to one end in order to revolve it. Attached to the base behind the cylinder is a brass strut with a mahogany backed leather pad which can be adjusted by means of a screw to make contact with the glass. To the top of the pad is attached a square of silk which rests over the top of the cylinder. The act of turning the cylinder against the leather creates friction and removes a charge from the pad. Consequently, the resulting charge can be transferred to a collector. The collector consists of a turned wooden red and black painted base with a glass rod (insulated with shellac) attached to the centre. A painted (some loss extant) and insulated wooden T shaped collector is affixed to the top of the rod with combs fixed to the back and a brass discharge ball fixed to the other end. The combs would be placed close to the glass to collect the charge which in turn would be transferred through the collector to create a spark at the other end. It is impossible to deduce accurately whether the two parts of this machi...

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