

FIG. C.

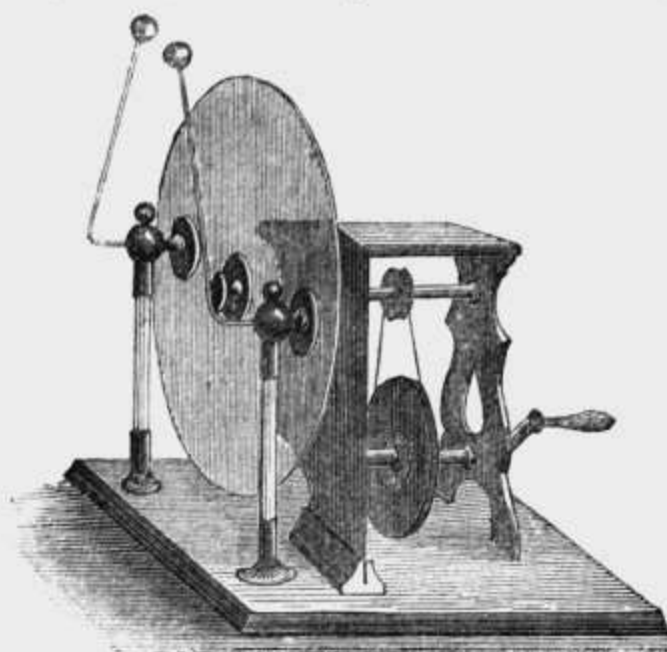


FIG. 2267†.



FIG. A.

2267† **Piche's Electro-Static Induction Machine**, is a modified arrangement of Holtz's machine. It is composed of a circular plate of *Vulcanite*, in front of which are placed two collecting forks in metallic connection with two brass rods mounted on jointed insulated supports; these rods are so contrived that they can be moved in any direction, or the terminal balls brought close together. On one side and at a small distance behind the revolving plate is placed a flat oblong plate also of *Vulcanite*, termed the *Induction Plate*.

To put this machine in action the Induction Plate is withdrawn from its groove on the base of the stand, and excited by rubbing it briskly with a cat skin or a woollen cloth (Flannel), and quickly replaced in the groove, then upon rotating the circular *Vulcanite* plate by the handle and multiplying wheels, it will be found that one fork or comb will collect Positive, and the other Negative Electricity.

Price of Piche's Machine as fig. 2267†, with 18-inch *Vulcanite* Plate £12 12 0

2267c **Kinnersley's Electrical Thermometer**, a modification of Harris's instrument for exhibiting the transient expansion of air by the passage of Electricity through it (fig. c.)

Each.  
£ s. d.  
1 0 0

2267D **Faraday's Butterfly Net**, with Glass handle and insulating stand (fig. g.)

0 8 6

2267E **Wire Gauze Cylinder** (fig. h.), on insulating stand, with hollow ball for exhibiting that electricity, is distributed only upon the surface of conductors similar to Biot's Experiment. No. 2189, page 376

price 0 12 6

2267F **Electrical Conductors**, a set of three forms, consisting of a Sphere, Cone, and Cylinder of wood, covered with Tin Foil, and mounted upon insulating stands (figs. d, e., and f.)

price 1 6 0

2267G The three Conductors can be supplied with one Insulating Stand

0 18 6



FIG. D.



FIG. E.



FIG. F.



FIG. G.



FIG. H.

Most of the Electrical Apparatus catalogued in this section will be found fully described in *Noad's Lectures on Electricity*, *Noad's Student's Text Book*, *Ganot's Physics*, translated by Atkinson, and *Tyndall's Lessons in Electricity*.