

Badische Landesbibliothek Karlsruhe

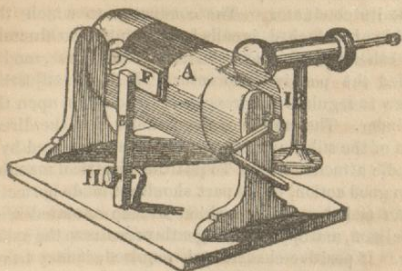
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The young man's book of amusement

Halifax, 1848

[Illustration]

[urn:nbn:de:bsz:31-100120](https://nbn-resolving.org/urn:nbn:de:bsz:31-100120)



Electrical Machine.

The best electrical machine for experimental purposes is represented in the above Fig. It consists of a glass cylinder, A, about ten or twelve inches in diameter, and fifteen or twenty inches in length, turning between two upright pieces of wood, fixed to a stout mahogany base. Two smooth metal conductors equal in length to the cylinder, and about one-third of its diameter, are placed parallel to it upon two glass pillars B, B, which are cemented into sliding pieces of wood, by which their distance from the cylinder may be adjusted. One of the conductors has a cushion, F, attached to it by a bent metallic spring, nearly as long as the cylinder, and about one inch, or an inch and a half wide, to the upper part of which is sewed a flap of oil-silk, which should reach from the cushion over the upper surface of the glass cylinder, to within about