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**The young man's book of amusement**

**Halifax, 1848**

To shew the effect of the Magnet Poles on each other

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*To shew the effect of the Magnet Poles on each other.*

Fix two touched needles horizontally on two separate pieces of cork floating in water ; then place the pieces of cork beside each other, the needle being in a parallel position, with the poles of the same name together, (north or south) and they will mutually repel each other ; but if the poles of contrary name be placed together, they will draw each other nearer

*The Magnetic Wand.*

Bore a hole, three-tenths of an inch diameter, through a round stick of wood ; or get a hollow cane about eight inches long, and half an inch thick. Provide a small steel rod, and let it be very strongly impregnated with a good magnet ; this rod is to be put in the hole you have bored through the wand, and closed at each end by two small ends of ivory that screw on, different in their shapes, that you may better distinguish the poles of the magnetic bar.

When you present the north pole of this wand to the south pole of a magnetic needle, suspended on a pivot, or to a light body swimming on the surface of the water (in which you have placed a magnetic bar,) that body will approach the wand, and present that end which contains the south end of the bar ; but if you present the north or south end of the wand, to

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