

**Badische Landesbibliothek Karlsruhe**

**Digitale Sammlung der Badischen Landesbibliothek Karlsruhe**

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

**Halifax, 1848**

The Philosophical Candle

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the buildings, as they would then resemble lamps of different colours.

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*To set fire to Spirits of Wine by the Rays of the Sun.*

Put a small quantity of spirits of wine into a glass, and put a halfpenny or shilling in with it, then direct the rays of the sun, by means of a burning-glass, upon the coin, and in a short time it will become so hot as to inflame the spirits.

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*The Philosophical Candle.*

Provide a bladder, into the orifice of which is inserted a metal tube, some inches in length, that can be adapted to the neck of a bottle, containing the same mixture as in the experiment, p. 28. Having suffered the atmospheric air to be expelled from the bottle, by the elastic vapour produced by the solution, apply the orifice of the bladder to the mouth of the bottle, after carefully squeezing the common air out of it, (which you must not fail to do, or the bladder will violently explode.) The bladder will thus become filled with the inflammable air, which when forced out against the flame of a candle, by pressing the sides of the bladder, will form a beautiful green flame.

*To make the  
when a  
Candle.*

Dissolve  
vessel conta  
where the  
by strong a  
ters the roo  
flame, whil  
of so short

*Two liquids*

Put into  
centrated s  
gradually  
two liquids  
become con  
solid mass.

*To melt I*

Bring a ba  
to it a roll  
melt, and run