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**Digitale Sammlung der Badischen Landesbibliothek Karlsruhe**

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

**Halifax, 1848**

How Light Wood may be made to Lie at the Bottom of Water

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*How Light Wood may be made to Lie at the Bottom of Water.*

Let two pieces of wood be planed quite flat, so as no water may get between them when they are put together: let one of the pieces be cemented to the bottom of a vessel, and the other piece be laid flat and close upon it, and held down to it by a stick, whilst water is poured into the vessel; then remove the stick, and the upper piece of wood will not arise from the lower one; for, as the upper one is pressed down, both by its own weight, and the weight of all the water over it, whilst the contrary pressure of the water is kept off by the wood under it, it will lie as still as a stone would do in its place. But if it be raised ever so little at any edge, some water will then get under it, which, being acted upon by the water above, will immediately press it upwards: and, as it is lighter than its bulk of water, it will rise, and float upon the surface of the water.

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*To Imitate the Luminous Appearance of the Lunar Disc.*

Introduce a few pieces of phosphorus of the size of a pea, into a hollow glass ball of three or four inches in diameter, and having heated it to cause the phosphorus to catch fire, keep turning the ball round, till half the inner surface is covered with phosphorus.

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*To fix*

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upon paper.  
sparkling pe  
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