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**Digitale Sammlung der Badischen Landesbibliothek Karlsruhe**

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

**Halifax, 1848**

Phosphorescence of Wood

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round hole about an inch diameter, in a piece of brown paper, paste it on one side of the belly of the decanter; and having filled it with water, hold the covered side to the sun, that the perpendicular rays may pass through the middle of the water, and the emergent rays will be collected to a focus, whose nearest distance from the decanter will be equal to the semi-diameter of the belly of it; as will appear by receiving the rays upon a paper, held at that distance. That this effect is owing to the water, and not to the glass, will be evident by emptying the decanter; for the light that passes then through the hole, will be as broad as the hole itself, at all distances of the paper from the decanter. If a similar experiment be tried, with a solid globe or ball of glass, the distance of the focus from the nearest part of the ball will be one quarter of its diameter.

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*Phosphorescence of Wood.*

Dr. Carradori, on a paper on the phosphorescence of wood, asserts that phosphoric wood acquires by putrefaction the property of attracting and absorbing light, and of retaining it mechanically. To make it shine, it is sufficient to expose it for some time to the sun. A bit of wood, which the author examined, continued to shine under oil for two whole days. In that situation, says Dr. Carradori, it was not in contact with oxygen gas.