

# **Badische Landesbibliothek Karlsruhe**

**Digitale Sammlung der Badischen Landesbibliothek Karlsruhe**

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

**Halifax, 1848**

The Water Sun

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

the said sum be even or odd, you do obtain the principal end to be aimed at, because if the said sum be an even number, then infallibly he that multiplied his number by your odd number, (to wit, by three) did chuse the even number, (to wit, ten); but if the said sum happen to be an odd number, then he whom you caused to multiply his number by your odd number, (to wit, by three,) did infallibly chuse the odd number, (to wit, nine).

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*The Globular Fountain.*

Make a hollow globe, of copper or lead, and of a size adapted to the quantity of water that comes from a pipe (hereafter mentioned) to which it is to be fixed, and which may be fastened to any kind of pump; provided it be so constructed, that the water shall have no other means of escape than through the pipe.—Pierce a number of small holes through the globe, that all tend towards its centre, and annex it to the pipe that communicates with the pump. The water that comes from the pump, rushing with violence into the globe, will be forced out at the holes, and form a very pleasing sphere of water.

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*The Water Sun.*

Provide two portions of a hollow sphere, that are very shallow; join them together in such a manner

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that the hollow between them be very narrow. Fix them vertically to a pipe from whence a jet proceeds. Bore a number of small holes all round that part where the two pieces are joined together. The water rushing through the holes will form a very pleasing water sun or star.

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*To cause a brilliant Explosion under Water.*

Drop a piece of phosphorus, the size of a pea, into a tumbler of hot water; and, from a bladder, furnished with a stop cock, force a stream of oxygen directly upon it. This will afford a most brilliant combustion under water.

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*The Magical Mirrors.*

Make two holes in the wainscot of a room, each a foot high and ten inches wide, and about a foot distant from each other. Let these apertures be about the height of a man's head, and in each of them place a transparent glass in a frame, like a common mirror.

Behind the partition, and directly facing each aperture, place two mirrors inclosed in the wainscot, in an angle of forty-five degrees. These mirrors are each to be eighteen inches square; and all the space between them must be enclosed with pasteboard painted black, and well closed that no light can en-