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The young man's book of amusement

Halifax, 1848

The Enchanted Bottle

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The Enchanted Bottle.

Fill a glass bottle with water to the beginning of the neck ; leave the neck empty and cork it. Suspend this bottle opposite a concave mirror, and beyond its focus, that it may appear reversed. Place yourself still further distant from the bottle ; and instead of the water appearing, as it really is, at the bottom of the bottle, the bottom will be empty, and the water seen at the top.

If the bottle be suspended with the neck downwards, it will be reflected in its natural position; and the water at the bottom, although in reality, it is inverted, and fills the neck, leaving the bottom vacant. While the bottle is in this position, uncork it, and let the water run gradually out ; it will appear, that while the real bottle is emptying, the reflected one is filling. Care must be taken that the bottle is not more than half or three parts full, and that no other liquid is used but water, as in either of these cases the illusion ceases.

Cheap Hydrometer.

A very ingenious apparatus of this kind, may be made to consist of a short piece of cord, or cat-gut, from four to ten inches, suspended by a hook over a horizontal board ; to the lower end of the cord is fixed a horizontal index, having a circular graduated scale on the board. As the cord attracts moisture, or the contrary, it twists or untwists, and thereby turns

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