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The young man's book of amusement

Halifax, 1848

A person having put a Ring on one of his Fingers, [...]

Visual Library

The Fiery Fountain.

If twenty grains of phosphorus, cut very small, and mixed with forty grains of powder of zinc, be put into four drachms of water, and two drachms of concentrated sulphuric acid be added thereto, bubbles of inflamed phosphorated hydrogen gas will quickly cover the whole surface of the fluid in succession, forming a real fountain of fire.

————

A person having put a Ring on one of his Fingers, to name the Person, the Hand, the Finger, and the Joint on which it is placed.

Let a third person double the number of the order in which he stands who has the ring, and add 5 to that number; then multiply that sum by 5, and to the product add 10. Let him next add 1 to the last number, and if the ring be on the right hand, and 2 on the left, and multiply the whole by 10 : to the product of this he must add the number of the finger, (counting the thumb as the first finger) and multiply the whole again by 10. Let him then add the number of the joint, and, lastly, to the whole join 35.

He is then to tell you the amount of the whole, from which you are to subtract 3535, and the remainder will consist of four figures ; the first of which will express the rank in which the person stands, the second the hand, (number 1 signifying

the right, and 2 the left) the third number the finger, and the fourth the joint.—For example:

Suppose the person who stands the third in order has put the ring upon the second joint of the thumb of his left hand ; then,

The double of the rank of the third person is	6
To which add..................................	5
	——
	11
Multiply the sum by	5
	——
	55
To which add	10
And the number of the left hand............	2
	——
	67
Which being multiplied by	10
	——
	670
To which add the number of the thumb.....	1
	——
	671
And multiply again by	10
	——
	6710
Then add the number of the joint............	2
And lastly, the number	35
	——
	6747
From which deducting	3535
	——
The remainder is...........................	3212

Of which, as we have said, the 3 denotes the third person, the 2 the left hand, the 1 the thumb, and the last 2 the second joint.

To construct Paper Balloons.

Take several sheets of silk paper; cut them in the shape of a spindle; or, to speak more familiarly, like the coverings of the sections of an orange; join these pieces together, into one spherical or globular body, and border the aperture with a ribbon, leaving the ends, that you may suspend from them the following lamp:

Construct a small basket of very fine wire, if the balloon is small, and suspend it from the aperture, so that the smoke from the flame of a few leaves of paper, wrapped together, and dipped in oil, may heat the inside of it. Before you light this paper, suspend the balloon in such a manner, that it may, in a great measure, be exhausted of air, and as soon as it has been dilated, let it go, together with the wire basket, which will serve as ballast.

Two merry Companions are to have equal shares of Eight Gallons of Wine, which are in a vessel containing exactly Eight Gallons, now to make this equal partition they have only two other empty vessels, whereof one containeth Five Gallons, and