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The young man's book of amusement

Halifax, 1848

To tell by a Watch Dial, the Hour when a Person intends to rise

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image of that object, very large, and beautifully clear and bright.

To separate two Liquors which have been mixed together.

If you wish to separate, for example, water from oil with which it has been mixed, take a bit of cloth or sponge, well moistened in water, and place it, immersing it by one end, in the vessel containing the liquors to be separated; the other end must be made to pass over the edge of the vessel, and to hang down much lower than the liquor: this end will soon begin to drop, and in this manner will attract and separate all the water mixed with oil. If it be required to draw off the oil, the rag or sponge must be first immersed in that liquid.

To tell by a Watch Dial, the Hour when a Person intends to rise.

The person is told to set the hand of his watch at any hour he pleases, which hour he tells you; and you add in your mind 12 to it. You then desire him to count privately the number of that addition on the dial, commencing at the next hour to that which he intends to rise, and including the hour at which he has placed the hand; which will give the answer: for example:

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Count back t
at 1 each, there
11, 10, 9, 8, 7, 6

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A intends to rise at 6 (this he conceals to himself;) he places the hand at 8, which he tells B, who, in his own mind, adds 12 to 8, which makes 20. B then tells A to count 20 on the dial, beginning at the next hour to that at which he proposes to rise; which will be 7, and counting backwards, reckoning each hour as 1, and including in his addition the number of the hour the hand is placed at, the addition will end at 6, which is the hour proposed; thus,

The hour the hand is placed at is	8
The next hour to that which A intends to rise at is 7, which counts for	1
Count back the hours from 6, and reckon them at 1 each, there will be 11 hours, viz. 4, 3, 2, 1, 12,	
11, 10, 9, 8, 7, 6,	11
	—
Making.....	20

Sympathetic Ink.

The most curious of all kinds of sympathetic ink, is that from cobalt. It is a very singular phenomenon, that the characters or figures traced out with this ink, may be made to disappear and re-appear at pleasure; this property is peculiar to ink obtained from cobalt; for all the other kinds are at first invisible, until some substance has been applied to make them appear: but when once they have appeared they remain. To prepare this ink, take zaffre, and dissolve it in nitro-muriatic-acid, till the acid extracts from it the metal-