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The young man's book of amusement

Halifax, 1848

To set Fire to a Combustible Body by Reflection

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The Changeable Rose.

Take a common full-blown rose, and having thrown a piece of sulphur finely pounded into a chafing dish with coals, expose the rose to the vapour. By this process the rose will become whitish; but if it be afterwards held some time in water, it will resume its former colour.

To set Fire to a Combustible Body by Reflection.

Place two concave mirrors at about twelve feet distance from each other, and let the axis of each be in the same line. In the focus of one of them place a live coal, and in the focus of the other some gunpowder. With a pair of strong bellows keep blowing the coal, and notwithstanding the distance between them, the powder will presently take fire.

The mirrors may either be made of glass, metal, or pasteboard, gilt.

To cause a Green Lambent Flame to appear, and alternately disappear, at the Mouth of a Flask.

Put a few pieces of phosphorus of the size of a bean into a Florence flask half filled with water, and make the water boil over a lamp: when the water has boiled for a few minutes, the empty part of the flask

becomes filled with
the ebullition is
suddenly disappear,
appearance with
of the flask, and
kept boiling.
phosphorescent
the internal sur-
face, illumina-
When the heat
flame re-appear
into the body
ceases to boil;
peated as long

Cu

Put into an o-
bright, fill up the
neck it air-tight.
place; but if the
and then be close-
ed, which is abs-
re-opening the bot-
gradually extendi-
Again, if this blue
posed to the air, a
stopping the bottl-
all its stings, and r
of air; and this ef-