

Badische Landesbibliothek Karlsruhe

Digitale Sammlung der Badischen Landesbibliothek Karlsruhe

The young man's book of amusement

Halifax, 1848

To produce a Carmine-Red Flame

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

person standing by the candle will see the appearance of a fine large star, or rather planet, on the table, as large as Jupiter or Venus; and if the paper be moved round the candle, the satellite will be seen to go round the planet.

Composition of an Ink similar to China Ink.

Take six parts of isinglass, which are to be dissolved in double their weight of boiling water; in like manner dissolve in two parts of water one part of Spanish liquorice: mix the two liquors warm, and gradually incorporate with them, by means of a wooden spatula, one part of the best ivory black. When this mixture is properly made, it is heated in a water-bath, that the whole of the water may be evaporated. The requisite form is then given to the paste which remains. The colour and goodness of this ink are equal to those of the true China Ink.

To produce a Carmine-Red Flame.

The flame of the spirit of wine may be coloured by the addition of various bodies which the spirit holds in solution. The flame of alcohol is tinged red in the following manner:—Put into a small iron ladle one part of muriate of strontia, and pour over it three or four of alcohol, then set it on fire with a candle,

or a piece of b
carmine-red fl
ed, by holding
candle to caus

To proo

Cause alcoh
copper.

To proo

Put muriate
tallization into
wine, and caus

Timber

A seventy-fo
3,000 loads of oa
ains fifty cutica
a seventy-four g
timber trees, of p
recommended for
opposing trees t
(thirty-three feet
forty trees; of c

or a piece of burning paper, it will burn with a bright carmine-red flame, especially if the mixture be heated, by holding the ladle over the flame of a lamp or candle to cause the alcohol to boil rapidly.

To produce an Emerald-Green Flame.

Cause alcohol to burn in a ladle upon nitrate of copper.

To produce an Orange-coloured Flame.

Put muriate of lime, deprived of its water of crystallization into an iron ladle, cover it with spirits of wine, and cause it to burn in the manner stated.

Timber in a Seventy-four Gun Ship.

A seventy-four gun ship will swallow up nearly 3,000 loads of oak timber; a load of oak timber contains fifty cubical feet, and a ton forty feet; so that a seventy-four gun ship takes 2,000 large well-grown timber trees, of perhaps two tons each. The distance recommended for planting trees is thirty feet; but supposing trees to stand at the distance of two rods, (thirty-three feet) each statute acre would contain forty trees; of course the building of a seventy-four