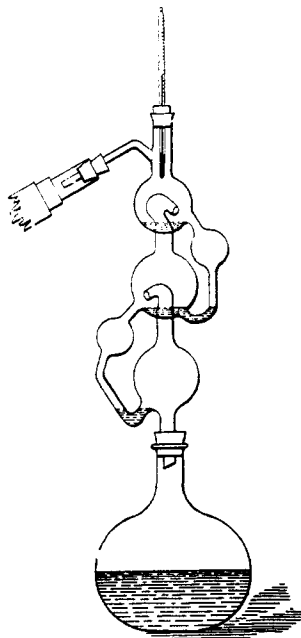


APPARATUS FOR FRACTIONAL DISTILLATION¹

BY C. W. VOLNEY.

THIS apparatus for fractional distillation of mixtures of liquids of different boiling points is constructed on the dephlegmator principle. Although the opening of the recurved main tube is never closed by the condensed liquid, comparatively only small quantities of vapors of the liquids, condensable in the respective bulbs, ascend or ultimately escape in the condenser, so that by a second distillation liquids of practically uniform boiling points are obtained.



I have used this apparatus for the preparation of paraffins and benzene derivatives, and can recommend it as a good and practical instrument. The principle employed is evident from the figure, and any glass blower can make it.

NEW YORK,
NOVEMBER 23, 1893.

¹ Read December 8, 1893.

