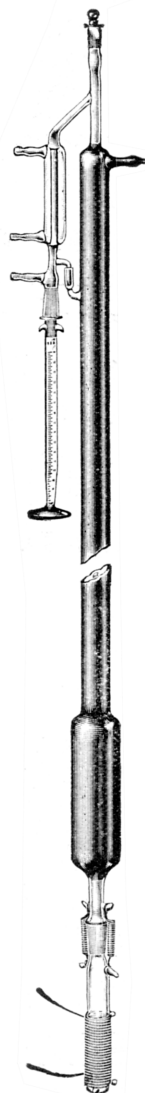


ANALYSIS by FRACTIONATION

In the analysis of coal tar spirits as derived from gas works, separation of mixtures of aromatic hydrocarbons, benzene, toluene, xylene, etc., is necessary. Though chemical methods of separation can be carried out, analysis by fractionation provides the simplest method suitable for routine analysis. If a high degree of accuracy is to be realised, fractionating columns capable of giving practically theoretical separation of these liquid mixtures must be used.

The G.L.C. Vacuum-Jacketed Fractionating Column illustrated (J.S.C.I. 1935, **54**, 297T) is such a column. It was designed in the Fulham Research Laboratories of the Gas Light & Coke Co. and is made in the works of Griffin & Tatlock Ltd. Complex liquid mixtures which, in other types of fractionating columns yield smooth, unbroken curves, give, on distillation in these columns, step-like curves with sharp points of inflexion.

Though analysis by fractionation may not be your problem, our general apparatus supplies are being maintained and facilities for construction of special apparatus still function.



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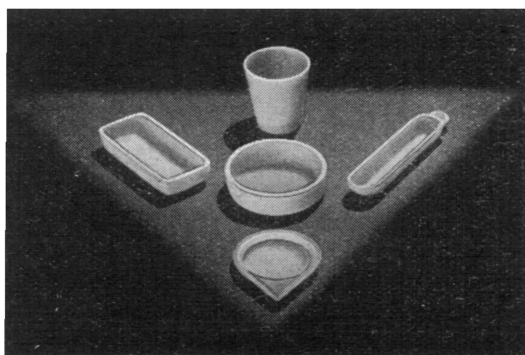
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