curve (Fig. 2) shows the extent to which the benzene vapours become decomposed as the temperature rises.

Quantity evaporated.	Temperature to which it had been subjected in passing through Tube.	Appearance when examined by Polarising Microscope.
c.c.	° C.	
20	Not heated	No crystalline structure.
10	494	" "
10	526	" "
5	550	Polarisation colours scarcely visible in residue.
5	562	Crystalline residue prominent, small crystals easily distinguished.

It would thus seem advisable, in adding enriching material to, say, a water-gas, to prevent the added material from being subjected to a temperature much greater than 700° C.

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