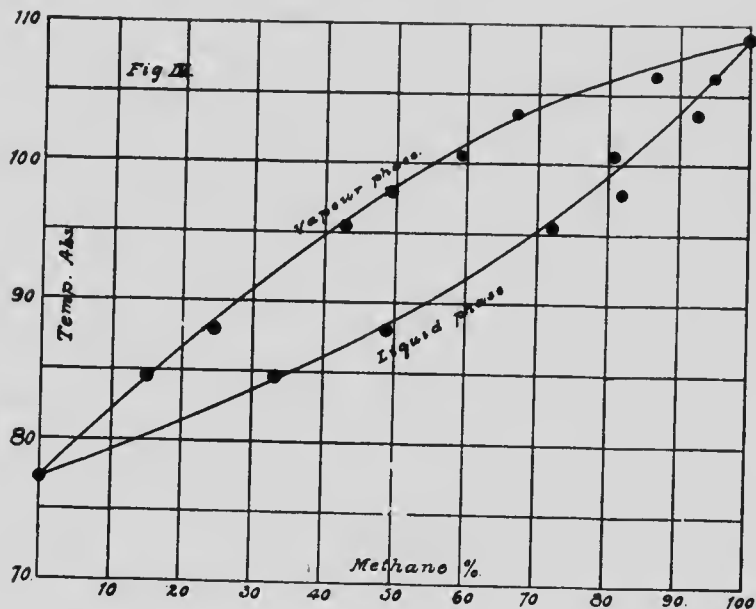




$$r' = \text{the ratio, } \frac{\% \text{ Methane}}{\% \text{ Nitrogen}} \text{ in vapour}$$

was found to hold very approximately, the constants in this case being:

$$a = -0.47$$

$$b = +0.85$$

as obtained from the graph.

This relation was used to obtain a more complete and smoother series of results. The corresponding temperatures were taken from the temperature composition diagram. Such a series (proceeding by two-degree intervals) is given in Table II.