

CHAPTER VI.

Composition of distilled oils.—Homologous compounds.—Table of the same.—Compounds of Carbon and Hydrogen.—Gaseous compounds.—Homologues obtained from coal tar, coal, bitumen, caoutchouc, etc. . . . 116

CHAPTER VII.

Oxidation of the impurities contained in crude hydro-carbon oils.—Action of acids, alkalies, and other agents.—Sulphuric acid, nitric acid, permanganate of potash.—Methods of purification.—Extracts from patents, etc. . . 127

CHAPTER VIII.

Buildings and Machinery.—Method of Manufacturing and Purifying the Oils distilled from Coals and other Bituminous Substances, and the Products derived therefrom.—Distilling by Steam.—Continual Distillation.—Paraffin.—Lubricating Oils.—Purification of Petroleum.—Petroleum Refinery.—Estimate of Cost.—Hydrometer and Pyrometer.—Cements, etc. 146