

SHALE OILS AND TARS AND THEIR PRODUCTS

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Shale oils and tars and their products by W. Scheithauer

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W. SCHEITHAUER

**SHALE OILS AND
TARS AND THEIR
PRODUCTS**

SHALE OILS AND TARs

AND THEIR PRODUCTS

BY
DR. W. SCHEITHAUER

TRANSLATED FROM THE GERMAN

BY
CHAS. SALTER

WITH SEVENTY ILLUSTRATIONS AND FOUR DIAGRAMS

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TO THE
COMMISSIONER
OF THE REVENUE

A. I. L.

AUTHOR'S PREFACE.

THE present work is intended to depict the production and utilization of the distillation tars constituting the basis of several important industries. The chief of these are: The Scottish Shale Oil Industry and the Saxon-Thuringian Mineral Oil Industry, the latter forming a branch of the lignite mining industry of Central Germany. In addition, the production and utilization of distillation-tar is practised at Messel, near Darmstadt, Germany; and the author desires to express his cordial thanks to Dr. Spiegel, the manager of the last-named works, for the detailed description furnished by him on the methods, etc., employed there.

Bituminous tar is also subjected to dry distillation, to a smaller extent, in the south of France and in Australia, the apparatus and processes employed being adopted from the Scottish industry.

A full description is given of the apparatus of the German and Scottish industries, and of the methods of applying same, the author being engaged in the Saxon-Thuringian industry and having a personal knowledge of Scottish practice, apart from the abundant literature at his disposal.

Owing to increased official duties, the author regrets to have been prevented from completing the work himself; but

he has had the advantage of obtaining as a collaborator Dr. E. Gräfe, whose scientific researches are well known in industrial circles, and who, in addition to writing the whole of Chapters x. and xi., prepared Chapter ix. with the exception of the historical section. For this collaboration the author again tenders his best thanks.

THE AUTHOR.

WALDAU, NEAR OSTERFELD (HALLE), 1911.

TRANSLATOR'S PREFACE.

IN the German original the chief products of the distillation of both Shale and Lignite are classed as "Tar," and though, in the case of Shale this is not strictly correct, it has been considered desirable to retain this nomenclature to some extent in the translation, it being understood that the term "shale tar" is synonymous with "Crude oil".

CHAS. SALTER.

LONDON, JANUARY, 1913.

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