

**THE PETROLEUM AND ALLIED INDUSTRIES;
PETROLEUM, NATURAL GAS, NATURAL
WAXES, ASPHALTS AND ALLIED SUBSTANCES,
AND SHALE OILS**
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The Petroleum and Allied Industries; Petroleum, Natural Gas, Natural Waxes, Asphalts and Allied Substances, and Shale Oils by James Kewley

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JAMES KEWLEY

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INDUSTRIAL CHEMISTRY

BEING A SERIES OF VOLUMES GIVING A
COMPREHENSIVE SURVEY OF

THE CHEMICAL INDUSTRIES

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CALIFORNIA

THE PETROLEUM AND ALLIED INDUSTRIES

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ASPHALTS AND ALLIED SUBSTANCES,
AND SHALE OILS

BY

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PREFACE

THE important part played by many petroleum products, notably motor spirits and liquid fuels, during the great war, the phenomenal growth of motor transport, and the development of aviation have directed the attention of a large section of the community to the petroleum industry. The development of the oilfields of the British Empire and the question of home supplies of liquid fuel have become matters of national importance. The possibilities of augmenting petroleum supplies or of partially replacing them by means of oils derived from the distillation of oil shales and even of coals, are receiving serious attention.

This great industry employs a multitude of men a large porportion of whom are necessarily engaged in non-technical work. Among these men there exists a very commendable desire to know something of the great industry with which they are associated, a desire which is shared by many others whose connection with the industry is indirect. This book has been written in the hope that it will appeal to such, and to many university graduates to whom a knowledge of the outlines of an industry may be of assistance in determining their choice of a career.

An effort has been made to make the book up to date as far as possible, and to include not only crude petroleum and its products but also some account of the closely related subjects, such as natural gas, the naturally occurring bituminous substances, the pyrobitumens and oil shales. The author wishes to express his thanks to Dr. H. G. Colman, Mr. J. E. Hackford and Dr. S. Rideal for valuable suggestions and advice; also to acknowledge his indebted-

ness to the many excellent bulletins published by the United States Bureau of Mines and other departments, to the standard works to which reference is made in the text, and finally to the Oil Well Supply Co., the Power Specialty Co., Messrs. Watts, Fincham & Co., the Sharples Centrifugal Co., and the Lucey Manufacturing Corporation for their kind assistance in the preparation of diagrams.

J. K.

LONDON,

June, 1922.

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