THE APPLICATION OF THE COAL TAR DYESTUFFS: THE PRINCIPLES INVOLVED AND THE METHODS EMPLOYED

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649232543

The application of the coal tar dyestuffs: the principles involved and the methods employed by C. M. Whittaker

Except for use in any review, the reproduction or utilisation of this work in whole or in part in any form by any electronic, mechanical or other means, now known or hereafter invented, including xerography, photocopying and recording, or in any information storage or retrieval system, is forbidden without the permission of the publisher, Trieste Publishing Pty Ltd, PO Box 1576 Collingwood, Victoria 3066 Australia.

All rights reserved.

Edited by Trieste Publishing Pty Ltd. Cover @ 2017

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, re-sold, hired out, or otherwise circulated without the publisher's prior consent in any form or binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser.

www.triestepublishing.com

C. M. WHITTAKER

THE APPLICATION OF THE COAL TAR DYESTUFFS: THE PRINCIPLES INVOLVED AND THE METHODS EMPLOYED

Trieste

INDUSTRIAL CHEMISTRY

BEING A SERIES OF VOLUMES GIVING A COMPREHENSIVE SURVEY OF

THE CHEMICAL INDUSTRIES

EDITED BY SAMUEL RIDEAL, D.Sc. LOND., F.I.C. FELLOW OF UNIVERSITY COLLEGE, LONDON

ASSISTED BY

JAMES A. AUDLEY, B.Sc., F.LC. R. S. MORRELL, M.A., PH.D., F.I.C. W. BACON, B.Sc., F.I.C., F.C.S. M. BARROWCLIFF, F.LC. H, GARNER BENNETT, M.Sc. F. H. CARR, F.1.C. S. HOARE COLLINS, M.Sc., F.I.C. H. C. GREENWGOD, O.B.E., D.Sc., F.I.C. A. DE WAELE, B.Sc., A.I.C. C. M. WHITTAKER, B.Sc.

J. R. PARTINGTON, M.A., PH.D. E. DE BARRY BARNETT, B.Sc., A.LC. ARTHUR E. PRATT, B.Sc., Assoc. R.S.M. ERIC K. RIDEAL, M.A., Ph.D., F.I.C. W. H. SIMMONS, B.Sc., F.I.C. R. W. SINDALL, F.C.S. HUGH S. TAYLOR, D.Sc.

Sec., &c.,

MODERN DYEING METHODS

THE

APPLICATION OF THE COAL TAR DYESTUFFS

THE PRINCIPLES INVOLVED AND THE METHODS EMPLOYED

5.0

3

C. M. WHITTAKER, B.Sc.

FOR SEVENTEEN YEARS HEAD OF THE EXPERIMENTAL OVEHOUSE OF MESSES. READ HOLLIDAY AND SONS, LTD., HUDDERSFIELD, NOW EXITISH DYES, LTD.



LONDON

BAILLIÈRE TINDALL AND COX 8, HENRIETTA STREET, COVENT GARDEN

1920 (Reprinted)



GENERAL PREFACE

THE rapid development of Applied Chemistry in recent years has brought about a revolution in all branches of technology. This growth has been accelerated during the war, and the British Empire has now an opportunity of increasing its industrial output by the application of this knowledge to the raw materials available in the different parts of the world. The subject in this series of handbooks will be treated from the chemical rather than the engineering standpoint. The industrial aspect will also be more prominent than that of the laboratory. Each volume will be complete in itself, and will give a general survey of the industry, showing how chemical principles have been applied and have affected The influence of new inventions on the manufacture. development of the industry will be shown, as also the effect of industrial requirements in stimulating invention. Historical notes will be a feature in dealing with the different branches of the subject, but they will be kept within moderate limits. Present tendencies and possible future developments will have attention, and some space will be devoted to a comparison of industrial methods and progress in the chief producing countries. There will be a general bibliography, and also a select bibliography to follow each section. Statistical information will only be introduced in so far as it serves to illustrate the line of argument.

Each book will be divided into sections instead of chapters, and the sections will deal with separate branches of the subject in the manner of a special article or monograph. An attempt will, in fact, be made to get away from the orthodox textbook manner, not only to make the treatment original, but also to appeal to the very large class of readers already possessing good textbooks, of which "there are quite sufficient. The books should also be found useful by men of affairs having no special technical knowledge, but who may require from time to time to refer to technical matters in a book of moderate compass, with references to the large standard works for fuller details on special points if required.

To the advanced student the books should be especially valuable. His mind is often crammed with the hard facts and details of his subject which crowd out the power of realizing the industry as a whole. These books are intended to remedy such a state of affairs. While recapitulating the essential basic facts, they will aim at presenting the reality of the living industry. It has long been a drawback of our technical education that the college graduate, on commencing his industrial career, is positively handicapped by his academic knowledge because of his lack of information on current industrial conditions. A book giving a comprehensive survey of the industry can be of very material assistance to the student as an adjunct to his ordinary textbooks, and this is one of the chief objects of the present series. Those actually engaged in the industry who have specialized in rather narrow limits will probably find these books more readable than the larger textbooks when they wish to refresh their memories in regard to branches of the subject with which they are not immediately concerned.

The volume will also serve as a guide to the standard literature of the subject, and prove of value to the consultant, so that, having obtained a comprehensive view of the whole industry, he can go at once to the proper authorities for more elaborate information on special points, and thus save a couple of days spent in hunting through the libraries of scientific societies.

As far as this country is concerned, it is believed that the general scheme of this series of handbooks is unique, and it is confidently hoped that it will supply mental

GENERAL PREFACE

munitions for the coming industrial war. I have been fortunate in securing writers for the different volumes who are specially connected with the several departments of Industrial Chemistry, and trust that the whole series will contribute to the further development of applied chemistry throughout the Empire.

SAMUEL RIDEAL.

Χ.