

**NOTES ON ANÆSTHETICS, WITH
AN APPENDIX CONTAINING
ILLUSTRATIVE CASES AND
ENGRAVINGS OF ANÆSTHETIC
APPARATUS**

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649503193

Notes on Anæsthetics, with an Appendix Containing Illustrative Cases and Engravings of
Anæsthetic Apparatus by Arthur S. Underwood

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

ARTHUR S. UNDERWOOD

**NOTES ON ANÆSTHETICS, WITH
AN APPENDIX CONTAINING
ILLUSTRATIVE CASES AND
ENGRAVINGS OF
ANÆSTHETIC APPARATUS**

NOTES ON ANÆSTHETICS,

WITH

AN APPENDIX

CONTAINING ILLUSTRATIVE CASES AND ENGRAVINGS
OF ANÆSTHETIC APPARATUS.

BY
ARTHUR S. UNDERWOOD,

M.R.C.S., L.D.S. ENG.,

LECTURER OF DENTAL ANATOMY AND PHYSIOLOGY AND ASSISTANT-SURGEON
AT THE DENTAL HOSPITAL OF LONDON; LATE DENTAL SURGEON
TO THE WEST LONDON HOSPITAL;
AUTHOR OF 'SURGERY FOR DENTAL STUDENTS.'

FIRST EDITION.

LONDON:

CLAUDIUS ASH AND SONS,

BROAD STREET, GOLDEN SQUARE, W.

1885.

All rights reserved.

LONDON :
PRINTED BY WILLIAM CLOWES AND SONS, LIMITED,
STAMFORD STREET AND CHANCERY CROSS.

Dental
Lawson
2-20-37
33548

P R E F A C E .

I FEEL that the appearance of my name as author of a book on Anæsthetics requires some few words of explanation. It may seem at first sight an anomaly that such a work should not proceed from the pen of a specialist in this department of medicine, and, possibly, I may be taxed with presumption, on the ground that the task I have undertaken demands an extensive personal experience, in order that the statements advanced may carry with them the weight of authority.

This very natural criticism may be disposed of at once by the avowal that I have not relied upon my own resources. In this particular my friend Mr. Woodhouse Braine has been kind enough to read my manuscript and correct, modify, or endorse its statements of practical detail; it was the promise of his assistance that emboldened me to undertake the work, and it is the value of his authority that constitutes its principal claim to the notice of the profession.

I cannot sufficiently thank my friend Mr. Bailey for assistance and advice most readily given, of which I have taken full advantage, more especially in the Appendix. Finally, during the last few years

2-16-38. H.P.J.

of pleasant mutual work at Leicester Square, I have not failed to gather many valuable hints from my colleague Mr. Bird.

I have therefore no fear that the following pages will be found to lack the wisdom that is born of experience, or to contain matter in any sense unpractical. I have made free use of the standard literature on the subject, sparing no pains to search out much interesting matter, hitherto scattered through the pages of journals and hidden away in the transactions of learned societies.

I have thought it convenient to arrange such matter as quoted cases, illustrations, and descriptions of apparatus, and some other notes, which, although closely related to my subject, were not absolutely part of it, in a separate appendix at the end of the book, with the object of avoiding a continual interruption of the text, and of making the work readable and clear.

My thanks are due to the Secretary of the Royal Humane Society for the loan of plates Figs. 1 and 2, illustrating Dr. Sylvester's method of artificial respiration; to Messrs. Maw, Son, and Thompson for the engravings bearing their name; and to Messrs. Ash and Sons for the remainder of the blocks, and such descriptive matter relating to them as I have thought fit to use.

Having explained my indebtedness to others in the production of this little book, I have, I trust, made it plain that I must look for praise or blame rather as having discharged the duties, well or ill,

PREFACE.

v

of compiler than those of original author. My work has been principally one of selection and comparison, the weighing of opinions, the condensation of treatises, and the impartial statement of the views of various authorities, but not the putting forward of new and original views of my own.

If I have performed this task judiciously, I do not hesitate to say that the value of the book is enhanced by the fact that the author, not being a specialist, and having no pronounced views of his own to advocate, is content to sink his own individuality, and to discuss the views of others without bias or prejudice.

With these few words of explanation and introduction, I leave the book in the reader's hands, with the assurance that it contains to the best of my knowledge no statement without authority, and in the hope that, while the expert in the science and art of Anæsthetics will meet with nothing very new in its pages, it may prove of service to those who are not experts and feel in need of guidance.

ARTHUR S. UNDERWOOD.

11, *Bedford Square, W.C.*

September, 1885.

100

100

100

100

100

100

100

100

100

100

100

100

100

100

CONTENTS.



CHAPTER I.

	PAGES
INTRODUCTORY REMARKS AND SHORT HISTORY OF ANESTHETICS	1-7

CHAPTER II.

GENERAL CONSIDERATIONS COMMON TO ALL ANESTHETICS	8-11
--	------

CHAPTER III.

NITROUS OXIDE GAS.	12-31
----------------------------	-------

CHAPTER IV.

M. BERT'S EXPERIMENTS	32-37
---------------------------------	-------

CHAPTER V.

ETHER	38-44
-----------------	-------