VETERINARY DENTAL SURGERY, FOR THE USE OF STUDENTS, PRACTITIONERS AND STOCKMEN

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649135103

Veterinary dental surgery, for the use of students, practitioners and stockmen by T. D. Hinebauch

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

T. D. HINEBAUCH

VETERINARY DENTAL SURGERY, FOR THE USE OF STUDENTS, PRACTITIONERS AND STOCKMEN

Trieste

VETERINARY DENTAL SURGERY,

FOR THE USE OF

STUDENTS,

Practitioners and Stockmen.

-BT-

T. D. HINEBAUCH, M. S., V. S.,

Professor of Veterinary Science at Purdue University, Lafayette, Indiana.

ILLUSTRATED.

ACREETED

PUBLISHED BY THE AUTHOR.

LAFATETTE, INDIANA. 1889,

5F867 H6 23.5 a lista

BRANI OF WUNGRESS OUPLIL ... TE EXCHANGED

Entered according to Act of Congress, in the year 1889, by T. D. HINEBAUCH,

In the office of the Librarian of Congress, at Washington, D. C.

CHICAGO PRINTING COMPANY, PRINTERS AND BINDERS, 188 & 180 S. CLARK ST., SHICAGO,

CONTENTS.

1.4

1.1

1

PAGE.

CHAPTER I.	PAGE.
ANATOMY OF THE SUPERIOR MAXILLA Pre-Maxilla and Inferior Maxilla Sinuses of the Head,	
CHAPTER II.	
TRETH-Their Structure and Composition; Dentine Enamel; Cement-Kinds of Teeth; Incisors, Canine and Molars-Development of the Teeth	÷
CHAPTER III.	
TEMPORARY DENTITION OF THE HORSE, OX, DOG AND	
Pig	31
CHAPTER IV.	
Absorption of the Deciduous TRETH	45
CHAPTER V.	
PERMANENT DENTITION OF THE HORSE AND OX-Den tition Tables of the Horse and Ox	
CHAPTER VI.	
DISEASES DUE TO DENTITION-Symptoms and Treat ment.	
CHAPTER VII.	
CARIES OF THE TEETH-Forms, Symptoms, Result and Treatment	
CHAPTER VIII.	
DENUDING OF THE TEETH	88
CHAPTER IX.	
EXOSTOSES-Their Nature, Cause, Symptoms and Treat ment	. 94
CHAPTER X.	105.5
FOREIGN SUBSTANCES-Their Source, Symptoms and	d

115

268433

CONTENTS.

CHAPTER XI.

PAGE.

14

DENTAL CYSTS..... 124

CHAPTER XII,

TARTAR-How formed; its effect upon the Teeth-Lampas; Causes, Symptoms and Treatment..... 132

CHAPTER XIII.

PROJECTING TRETH IN HORSES, SHEEP AND PIGS-Their Cause, Results and Treatment...... 139

CHAPTER XIV.

LONG, SHARP AND PROJECTING EDGES-Their Cause,	
Effect and Removal-Special Operations-Side Lin-	
ing - Shying - Runaways - Method of Operating	
for Each	154

CHAPTER XV.

CHAPTER XVI.

CRIBBING-Causes, Effects and Treatment...... 174

CHAPTER XVII.

ALVEOLAR ABSCESSES — Their Formation, Progress, Symptoms and Treatment...... 181

CHAPTER XVIII.

CHAPTER XIX,

CHAPTER XX.

OSTEO POROSIS...... 210

CHAPTER XXI.

FILLING HORSES' TRETH 224

CHAPTER XXII.

PREFACE.

It is owing to the scarcity of literature devoted to the principal operations of veterinary dentistry, and the belief that such a work will be favorably received by the veterinary profession at large, that the author attempts this volume. With an extended experience as a veterinary dentist, and scattering articles which have appeared upon the subject from time to time, the bringing together of these into a single volume cannot fail to be productive of good results, in the placing upon a scientific basis this most neglected division of veterinary surgery.

It is designed for practical stockmen as well as for students and practitioners, hence technical terms have been avoided as much as possible.

Scientific veterinary dentistry is yet in its infancy. While operations upon the teeth of horses have been performed for many years, the humane method of handling horses' mouths and operating for diseases of that cavity has been confined to the last fifteen years.

The author has drawn from various works, notably those of Williams, Percival, Owen, Chauveau, Clark and Parreidt. Also others which have received credit where the quotations appear.

PREFACE.

The author is especially indebted to Dr. C. E. Sayre, D. V. S., Professor of Dental Pathology in the Chicago Veterinary College, for valuable assistance, and to Dr. Anderson, D. V. S., of Louisville, Ky., a graduate of the Chicago Veterinary College, for the valuable chapter on Osteo Porosis.

Professor Windle, of Earhlam College, prepared most of the drawings from original specimens.

Sharp & Smith, of Chicago, Ill., furnished the cuts of instruments, with the exception of those used in filling teeth; these were kindly furnished by the S. S. White Dental Manufacturing Co., of Philadelphia. The Photo Engravings were made by the Photo Engraving Co., of New York.

The object of the author in presenting this volume is to bring the subject more clearly before the public, and inculcate in them a true conception of its importance. No branch of veterinary science has been so universally ignored as that pertaining to the management and preservation of the teeth of the domestic animals.

T. D. HINEBAUCH.

Purdue University, Lafayette, Ind., Oct. 1, 1889.

ERRATA.

Page 54, line seven from below should read: Two Years...TTTO PPTPPO

vi

CHAPTER I.

ANATOMY OF THE SUPERIOR MAXILLA, THE PRE-MAXILLA AND INFERIOR MAXILLA. SINUSES OF THE HEAD.

In no branch of Veterinary Science is it more important to possess an accurate knowledge of the conditions which are present in a state of health as well as disease, than in the care and treatment of the teeth. It is only by a thorough knowledge of the appearance of an organ during health, that the practitioner is able to recognize a diseased condition. And in order that he may remedy that defect and restore the structure to a healthy state, it is necessary that he should thoroughly understand the nature and extent of the disease.

ANATOMY.

In discussing the anatomical relations of the bones of the face and head of the horse only those will be mentioned which are directly involved in diseases of the teeth. These are the superior maxilla, the premaxilla and the inferior maxillary bones.

The superior maxilla (Fig. 1-4) is situated at the side of the face, irregular in form somewhat triangular, and elongated from before backwards. It affords