# THE HUMAN HAIR; ITS STRUCTURE, GROWTH, DISEASES, AND THEIR TREATMENT

Published @ 2017 Trieste Publishing Pty Ltd

#### ISBN 9780649530632

The Human Hair; Its Structure, Growth, Diseases, and Their Treatment by Hermann Beigel

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

## HERMANN BEIGEL

# THE HUMAN HAIR; ITS STRUCTURE, GROWTH, DISEASES, AND THEIR TREATMENT



## HUMAN HAIR:

ITS STRUCTURE, GROWTH, DISEASES,

AND THEIR

TREATMENT.

Kliustrated by Mood Engrabings.

BY

HERMANN BEIGEL, M.D., M.R.C.P. LOND.

PHYSICIAN TO THE METROPOLITAN FREE HOSPITAL, TO THE PARRINGDON
AND TO THE ST. PANCEAS DISPENSARIES;

MEMBER OF THE PATROLOGICAL, CLIFFCAL, OBSTRUBICAL, AND
HUNTERFAN SOCIETIES, 1970. 2070.

HENRY RENSHAW, 356, STRAND, LONDON. 1869.

151.0.149.

LONDON:

BAVILL, EDWARDS AND CO., PRINTERS, CHANDOS STREET,

COVENT GARDEN.

# DR. ERNEST HALLIER,

IN ADMIRATION OF HIS GREAT TALENT

IN THE INVESTIGATION OF MISCROSCOPIC LIFE,

THIS LITTLE WORK 18

Bespectfully Bedicuted,

BY

THE AUTHOR.



### PREFACE.

The human hair being an ornament which it is almost everybody's endeavour to preserve inviolate as long as possible, it is explicable, why the fear of losing that ornament has become a matter of speculation of charlatanism on the credulity of the public. The best means of confounding the designs of such speculations, is the statement of real facts, distributing thus the light of knowledge.

The following pages are intended to be a popular treatise, aiming at showing that the laws by which the life of the hair is governed differ not from the laws to which the body at large is subject, and that deviations of normal development must be considered—as is the case in other organs—as disease and treated as such. Although this little book aims—as already mentioned—at being a popular treatise, yet I hope that some of the chapters may interest even those who have a knowledge of the subject, I allude to the chapter on the chignon-fungus, and to that on cracking of the hair, &c.

H. BRIGEL, M.D.

Finsbury Square,
 28th December, 1868.

## TABLE OF CONTENTS.

#### CHAPTER I.

#### HISTOBICAL BEMARKS.

Julius Cæsar's laurel—Samson and Delilah—"Baldhead" a term of represch—Shaving the head, and the Hebrews— Customs of the Arabs—Custom in Greece—The Church against long hair—Pope Anicetus—St. Wulstan—Serlo and Henry I.—Books against long hair—Oriental notions on the beauty of hsir—Customs in Rome—The ancient Britons—The Frankish kings—The present hair trade.

pp. 1-16

#### CHAPTER II.

#### THE MICROSCOPE.

Its importance in the study of the natural laws—Description of the microscope—The focal distance—Linear and superficial enlargement. . . . . . . . . . . . . . . pp. 17—23

#### CHAPTER III.

#### THE SEIN, AND HOW THE HAIR IS PIXED IN IT.

The hair influenced by a diseased state of the skin—Microscopical appearances of a section of the skin—The skin compared to the soil of the streets of large cities—The epidermis—The Malpighian layer—The Corium—The glands of the skin—Insensible perspiration—Sweat—The value of the perspiratory system. . . pp. 24—31

#### CHAPTER IV.

#### MICROSCOPICAL STRUCTURE OF THE HATE.

The hair sac—The root-sheath—Method of preparation for microscopical examination—The double knife—The cuti. cle—The cortical substance—The medullary substance—Air contained in the hair—Elasticity of the human hair—The temple "Veneris calvas" at Rome . pp. 32—53

#### CHAPTER V.

#### DEVELOPMENT OF THE HAIR.

The first rudiments of hair in the embryo—Formation of the structoriess membrane—The cells within this membrane—Illustration of the mode of development— The Lanugo—Shedding of the newly formed hair—The hair is not a dead substance—Whether bair, when once lost, can grow again?—The number of hairs on a square inch—The rapidity of growth. . . . . . . pp. 54—61

#### CHAPTER VI.

#### ABNORMAL GROWTH OF THE HAIR.

Universal Hypertrichosis—Local Hypertrichosis—Instances of excessive growth of hair—The hairy family at Ava—A hairy girl observed in St. Bartholomew's hospital—Darwin on the connexion of baldness and deficiency of teeth—The hairy men of Yesso. . . . . . . . . . . pp. 62—90

#### CHAPTER VII.

THE COLOUR OF THE HAIR-OF SUDDEN BLEACHING OF THE HAIR.

Conditions on which the colour of the hair depends—Remarkable condition of the colour of the hair, forming white and brown ringlets—Similar cases observed by Dr. Landois and Mr. Erasmus Wilson—Dr. Landois' explanation of a case of sudden bleaching of the hair—Blue hair.

PP. 91-104