

**A TREATISE ON BRIGHT'S DISEASE OF THE  
KIDNEYS; ITS PATHOLOGY, DIAGNOSIS,  
AND TREATMENT; WITH CHAPTER ON THE  
ANATOMY OF THE KIDNEY,  
ALBUMINURIA, AND THE URINARY  
SECRETION**

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A Treatise on Bright's Disease of the Kidneys; Its Pathology, Diagnosis, and Treatment; With Chapter on the Anatomy of the Kidney, Albuminuria, and the Urinary Secretion by Henry B. Millard

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**HENRY B. MILLARD**

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WITH CHAPTERS ON THE ANATOMY OF THE KIDNEY, ALBUMINURIA, AND THE URINARY SECRETION.

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BY

HENRY B. MILLARD, M.D., A.M.

MEMBER OF THE N. Y. COUNTY MEDICAL SOCIETY; HONORARY MEMBER  
OF THE SOCIÉTÉ ANATOMIQUE OF PARIS; CORRESPONDING  
MEMBER OF THE VEREIN DEUTSCHER AERZTE OF  
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886

TO

**DR. J. M. CHARCOT**

PROFESSOR IN THE FACULTY OF MEDICINE, PARIS; PHYSICIAN  
TO THE SALPÊTRIÈRE; MEMBER OF THE ACADEMY  
OF MEDICINE; OFFICER OF THE LEGION  
OF HONOR; ETC., ETC.

AND TO

**DR. M. DEBOVE**

PHYSICIAN TO THE RICÔTRE AND PROFESSOR AGRÉGÉ IN THE  
FACULTY OF MEDICINE

THIS VOLUME

IS, WITH THEIR PERMISSION, DEDICATED

BY THE AUTHOR

AS A TRIBUTE OF RESPECT FOR THEIR PROFOUND ATTAIN-  
MENTS IN MEDICAL SCIENCE, AND AS A SLIGHT  
ACKNOWLEDGMENT OF MANY ACTS  
OF KINDNESS.



## PREFACE TO THE SECOND EDITION.

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I AM glad that my humble labors in the department of renal affections, as presented in the first edition of this work, have proved so generally acceptable and have received so much approbation at home and abroad.

The present edition contains much new matter, especially relative to the nerves of the kidney; numerous alterations have been made, and the chapter on the tests for albumin in the urine has been entirely rewritten, in accordance with many new experiments I have made relative thereto.

I continue to employ the terms uræmic accidents and uræmic poisoning out of deference to usage; though, as well known, recent experiments have shown injections of urea into the blood to be less noxious than has been supposed; the noxious element in the so-called uræmic poisoning probably being some substance in the blood produced by imperfect formation or elimination on the part of the kidneys.

H. B. MILLARD.

4 EAST FORTY-FIRST ST., NEW YORK.

December 1, 1885.





## PREFACE.

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I HAVE only to say of this volume that it is the result of the experience of nearly twenty-six years of hospital and extensive private practice, and of several years' study in the laboratory, of pathological and healthy kidneys of men and animals. The illustrations were all drawn by myself from kidneys, with the exception of Figures 1, 2, 7, and 8, which are taken from other authors, and 4, 5, 6, and 12, which were drawn for me from my own preparations.

In perusing the works of many writers upon nephritis, I may in some instances unconsciously have incorporated their ideas without according due credit. I have endeavored, however, carefully to fulfil all obligations of this kind.

As I have shown in the context, the term Bright's disease, as understood by Bright himself, does not comprise every condition of nephritis, but as most of the conditions I have described are generally understood as belonging to Bright's disease, I have given my work this title, though the nomenclature is by no means exact. I have usually employed instead, throughout the book, the word nephritis.

I have used exclusively the word albumin instead of

albumen, although the termination *en* is generally used by medical writers. The word albumen, is, however, simply the Latin word meaning the "white of the egg," though it is applied to every variety of albumin; the latter, however, represents the proximate principle, and I believe chemists now generally distinguish the two by the terminations *en* and *in*. In Watts' "Dictionary of Chemistry,"<sup>1</sup> the most important work of the kind in English, the termination *in*, is exclusively used.

Where, however, I have quoted from other authors, I have not felt justified in changing their spelling.

My work has been, at least, conscientiously performed, and with an earnest desire of adding to the knowledge and therapeutics of the subject of which it treats.

H. B. MILLARD.

4 EAST FORTY-FIRST ST., NEW YORK,  
November 1, 1883.

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<sup>1</sup> Longmans, Green & Co., London, 1870.