

**QUIZ-COMPENDS, NO. 9.  
A COMPEND OF  
SURGERY FOR STUDENTS  
AND PHYSICIANS**

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Quiz-Compends, No. 9. A Compend of Surgery for Students and Physicians by Orville Horwitz

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**ORVILLE HORWITZ**

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COMPEND  
OF  
SURGERY.

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? QUIZ-COMPENDS? No. 9.

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*A. H. S.*  
COMPEND  
OF  
SURGERY.

FOR

STUDENTS AND PHYSICIANS.

BY

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THIRD EDITION, THOROUGHLY REVISED, ENLARGED  
AND IMPROVED.

*WITH NINETY-ONE ILLUSTRATIONS.*

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1887.

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1887

## PREFACE TO THE THIRD EDITION.

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The demand for another edition of this Compend, so gratifying to the writer, has made it necessary to thoroughly revise the work.

To keep pace with the progress of the branch of medicine of which it treats much new matter has been added, and many subjects have been entirely re-written; especially the articles on Antiseptic Surgery, Mortification and Gangrene, Urethrotomy, Burns and Scalds, Venereal Diseases, Retention of Urine, and Inflammation.

The illustrations are taken, by permission, from the standard works on Surgery.

The matter embraced under the head of "Diseases of the Eye and its Appendages," has been omitted, because there has recently been added to the Quiz-Compend series a volume devoted entirely to these subjects.

ORVILLE HORWITZ.

*Philadelphia, 1115 Walnut Street,  
March, 1887.*

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A COMPEND  
OF  
SURGERY.

INFLAMMATION. *inflammo, dacio, on fire*

**Definitions.**—"Inflammation may be defined to be a perverted action of the capillary vessels, and of the perivascular tissues, attended with discoloration, pain, heat, swelling and disordered function, with a tendency to effusion, deposits or new products."—*Gross' System of Surgery.*

"Inflammation is a concrete term, designed to express the totality of several distinct processes, and therefore incapable of being defined by any single word. It is sufficient for our purposes to say that it is a form of *hypernutrition.*"—*Agnew's Principles and Practice of Surgery.*

"Inflammation is that nutritive disturbance which is characterized by active hyperemia or congestion, and active multiplication or proliferation of the cells of a tissue or organ."—*Professor S. W. Gross.*

INTIMATE NATURE OF INFLAMMATION.

When studying the nature of inflammation, it is well, for its more ready comprehension, to first observe the changes that occur in the perivascular structures, and afterward to note the modifications that take place in the blood vessels and their contained fluid.

**Active hyperæmia.**—This means an afflux or determination of blood to a tissue or organ.

The portion of the circulatory apparatus which is most directly concerned in the process of inflammatory action is the capillary system, the small arteries, and vessels.

The capillaries are tubular masses of protoplasm, composed of flattened, nucleated endothelial cells of various forms, held together by an intercellular albuminoid substance.

The blood is a homogeneous fluid, composed of serum, together with red and white corpuscles.