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Certainly it is excellent discipline for an author to feel that he must say all he has to say in the fewest possible words, or his reader is sure to skip them; and in the plainest possible words, or his reader will certainly misunderstand them. Generally, also, a downright fact may be told in a plain way; and we want downright facts at present more than anything else.—RUSKIN.

TROPHIC CHANGES, ARREST OF GROWTH AND INTERSTITIAL ALTERATION OF STRUCTURE CONSECUTIVE TO VIOLENT TRAUMA.

BY T. H. MANLEY, M.D., NEW YORK.

Written specially for THE CANADIAN JOURNAL OF MEDICINE AND SURGERY.

A GREAT flood of light has been shed on the changes in the tissues, consecutive to the various injuries, by the writings of Arran, Charcot, Cohnheim, Erbs, Duchenne and Raymond. Besides, observations are abundantly recorded in current surgical works of marked, and sometimes permanent, pathologic changes in muscular tissue and other structures after severe local injuries, or diseased processes in the frame-work of the trunk or the extremities.

Many theories have been invoked to explain their *modus operandi*; some alleging that these changes depend on vascular degeneration; others that they ensue through protracted immobilization of the limbs, or local neural changes.

Microscopical Morphology.—It was only, however, with the introduction of the microscope, with experimental pathology and