



## Comprehensive Anatomy, Physiology, and Hygiene; Adapted for Schools, Academies, Colleges, and Families with Instruction on the Effects of Stimulants and Narcotics, and Brief Directions for Illustrative Dissections of Mammals, for Elementary Work with

By John Clarence Cutter

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1888 Excerpt: . hardness, etc. If the connecting nerve now be cut, and the same body be applied to the cut nervetrunks, a sensation of pain only is recognized at the cerebral centres. 380. By a Motor Nerve is to be understood the thread of communication between the automatic or nerve cell of the centre and its muscular end-process (85). When a stimulus is applied to the centre of the given nerve, the transmitted impulse gives rise to a muscular contraction (87). The velocity of a motor impulse in the arm of man is about thirty-three metres (one hundred and eight and one-fourth feet) per second. The velocity of sensory impulses in man has not yet been well determined. In most cases the velocity of the impulses is retarded by cold and accelerated by heat. As yet, experiments have not shown that a purely motor trunk may act...



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