

mate function is not revealed by structure, nor ultimate use by function.

The empty arteries did not suggest the circulation of the blood to ancient physiologists, nor did the curious arrangements of the intestinal canal explain the complicated function of digestion. Ignorance of facts, preconceived notions, or fanciful theories as to 'vital spirits,' 'cold and hot humours,' etc., long delayed the attainment of correct knowledge of physiological facts.

Neither does physical knowledge of individual function reveal the developed use of which it is capable. The new life that may be given through touch to the blind, or the destruction of a nation through its vices, is not revealed by the minutest examination of the mechanism of touch, or the physical structure of the nervous system. Function and use are only proved by observation, reflection, and rational experiment patiently carried on age after age, with generalization based upon accurate and accumulated facts.

Structure, function, and extended use, although closely connected, are, nevertheless, separate branches of inquiry. Applied physiology comprehends them all. Function is the arrangement by means of which the independent life of the sentient being is carried on and maintained. Developed function or use includes the growth and improvement of the individual in relation to his fellows, and to existence outside his own personality.

No physiological truth is more firmly established