[Fe3 $(P04)_2$] that of muscle, and *calcium* [Ca3 $(P04)_2$] that of bone. These fixed or mineral elements are the centres around which are collected the volatile or albuminous compounds. In this manner all the tissues and organs of the most complex organism originate in the contents of a single cell.

Without going into the details of *Embryology*, it may be stated as a general fact, that from the outer layer of cells (Fig. B, 1) the *epiblast*, arise the structures composing the Nervous system; from the inner layer or *hypoblast* (3) arise the organs composing the Nutritive system, and from the middle layer or *mesoblast* (2) the structures composing the Motive system. Thus from the contents of a single cell are developed all the complex structures of the human body, which may be tabulated as follows:—

I. Nervous System..	1. Brain. 2. Spinal Cord. 3. Nerves of the Special Senses. 4. Peripheral Nerves. 5. Sympathetic Nerves.
II. Vital System....	1. Digestive Organs. 2. Respiratory Organs. 3. Circulatory Organs. 4. Urinary Organs. 5. Generative Organs.
III. Motive System...	1. Bones. 2. Ligaments. 3. Joints. 4. Cellular Tissues. 5. Skin and its Appendages, the Hair and Nails.