

varying in number and holding the same place between the column and the arms of the animal, may be traced through each species of the family of Crinoideans. The details of all these specific variations are beautifully illustrated by Mr. Miller, to whose excellent work I must again refer those who are inclined to follow him, through his highly philosophical analysis of the structure of this curious family of fossil animals.*

still folded up. Fig. 3 is a side view of one of the fingers with its tentacula. Fig. 4 represents the interior of the body which contained the viscera. Fig. 5 represents the exterior of the same body, and the surface by which the base articulates with the first joint of the vertebral column. Figs. 6, 7, 8, 9, represent a dissection of the four series of plates that compose the body, forming successively the scapulæ, upper and lower costal plates, and pelvis of the animal. Fig. 10 is the upper extremity of the vertebral column. Fig. 11 represents the upper surfaces of the five scapulæ, showing their articulations with the inferior surfaces of the first bones of the arms. Fig. 12 is the inferior surface of the same series of scapular plates, showing their articulations with the superior surfaces of the upper or second series of costal plates, Fig. 13. Fig. 14 is the inferior surface of Fig. 13, and articulates with the first or lower series of costal plates, Fig. 15. Fig. 16 is the lower surface of Fig. 15, and articulates with the upper surface of the bones of the pelvis, Fig. 17. Fig. 18 is the inferior surface of the pelvis, Fig. 17, and articulates with the first or uppermost joint of the vertebral column, Fig. 10.

* Our Pl. 47 gives Mr. Miller's restoration of two other genera; fig. 1, the *Apiocrinites rotundus*, or Pear Encrinite, with its root or base of attachment, and its arms expanded. Fig. 2 is the same with its arms contracted. Two young individuals and the broken stumps of two other small specimens, are seen fixed by their base to the root of the larger specimens, shewing