and the junctions in the mature animal are somewhat obscure.

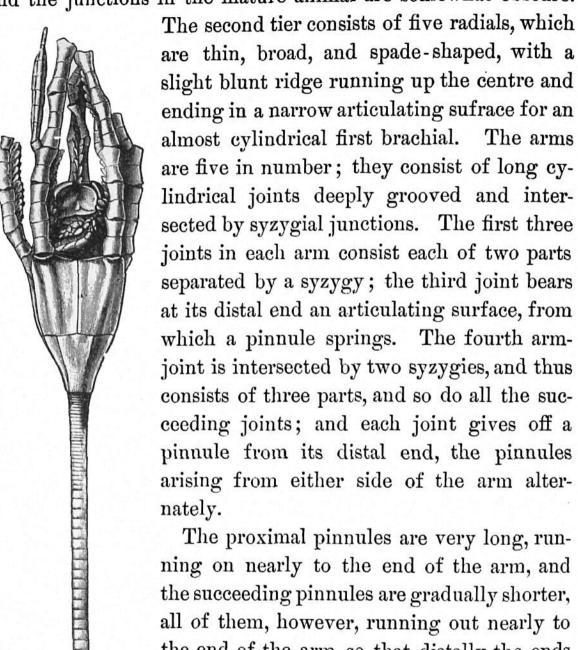


Fig. 25.—Hyocrinus Bethellianus. About four times the natural size. (Station CXLVII.)

ning on nearly to the end of the arm, and the succeeding pinnules are gradually shorter, all of them, however, running out nearly to the end of the arm, so that distally the ends of the five arms and of all the pinnules meet nearly on a level. This is an arrangement hitherto entirely unknown in recent crinoids, although we have something very close to it in some species of the paleozoic genera Poteriocrinus and Cyathocrinus. Here I believe, however, the resemblance between Hyocrinus and the early fossil forms ends. The

outer part of the disk is paved with plates irregular in form and closely set. Round the mouth there are five very strong and