

## PLATE XXVII.

### *Abyssascidia wyvillii*, Herdman.

- Fig. 1. *Abyssascidia wyvillii*, from the upper or dorsal surface ; natural size.
- Fig. 2. The same, from the lower or ventral surface ; natural size.
- Fig. 3. The same, with the test removed ; seen from the right side, showing the mantle, with muscular bands, the alimentary canal, and the atrial siphon ; natural size.
- Fig. 4. The same, from the left side, showing the muscular bands in the mantle and the branchial siphon ; natural size.
- Fig. 5. The viscera, seen from the right side, showing the alimentary canal and the genital mass ; enlarged.
- Fig. 6. The same, from the left side ; enlarged.
- Fig. 7. Part of the branchial sac, seen from the inside ; magnified (Hartn., obj. 5).
- Fig. 8. A small portion of the preceding figure ; greatly enlarged (Hartn., obj. 7).
- Fig. 9. Part of an internal longitudinal bar, from fig. 7, showing the junction with a connecting duct (*c.d.*) ; greatly enlarged (Hartn., obj. 7).
- Fig. 10. Epithelial cells from the surface of a horizontal membrane of the branchial sac ; much magnified (Hartn., obj. 10).
- Fig. 11. Part of the series of dorsal languets ; magnified (Hartn., obj. 4).
- Fig. 12. Anterior extremity of the endostyle (*en.*), and part of the tentacular circlet (*tu.*) ; magnified (Hartn., obj. 4).
- Fig. 13. Another part of the tentacular circlet ; magnified (Hartn., obj. 4).
- Fig. 14. The dorsal tubercle and peripharyngeal bands ; magnified (Hartn., obj. 4).
- Fig. 15. The nerve ganglion ; magnified (Hartn., obj. 4).
- Fig. 16. Part of the edge of the genital mass, showing testicular vesicles (*t.v.*), and ova (*ov.*) ; magnified (Hartn., obj. 4).
- Fig. 17. Some of the ova ; much magnified (Hartn., obj. 7).
- Fig. 18. Two testicular vesicles ; much magnified (Hartn., obj. 7).