

## PLATE XXX.

*Ascidia challengeri*, n. sp.

- Fig. 1. *Ascidia challengeri*, a large specimen, seen from the right side ; natural size.
- Fig. 2. A much younger specimen, from the right side ; natural size.
- Fig. 3. Part of a section through the test of *Ascidia challengeri*, showing vessels (*v.*) bladder cells (*bl.*), &c. ; magnified (Hartn., obj. 4).
- Fig. 4. Part of the branchial sac, seen from the inside ; magnified (Hartn., obj. 4).
- Fig. 5. Part of the dorsal lamina of *Ascidia challengeri*, seen from the left side ; magnified (Hartn., obj. 4).
- Fig. 6. Another part of the same dorsal lamina, with a crenated and toothed edge, seen from the left side ; magnified (Hartn., obj. 4).
- Fig. 7. Another part of the same dorsal lamina, near the base, where it is wide and has strongly marked ribs ; seen from the right side ; magnified (Hartn., obj. 4).
- Fig. 8. The dorsal part of the anterior end of the branchial sac, showing the dorsal tubercle (*d.t.*), the præbranchial zone, with muscle bands (*m.b.*) showing through, and two of the large tentacles (*tn.*) ; magnified (Hartn., obj. 5).