

PLATE XXXIII.

Figs. 1-6. *Ascidia translucida*, Herdman.

Figs. 7-9. *Ascidia cylindracea*, Herdman.

Figs. 10-12. *Ascidia despecta*, Herdman.

- Fig. 1. *Ascidia translucida*, from the right side ; natural size.
- Fig. 2. The same from the left side, showing the vascular ramifications in the test ; natural size.
- Fig. 3. Part of the branchial sac of *Ascidia translucida*, seen from the outside, and showing "minute plication" ; magnified (Hartn., obj. 4).
- Fig. 4. Part of the same branchial sac, seen from the inside ; magnified (Hartn., obj. 4).
- Fig. 5. The tentacles and the dorsal tubercle, &c., of *Ascidia translucida* ; magnified (Hartn., obj. 4).
- Fig. 6. Part of the dorsal lamina of the same species ; magnified (Hartn., obj. 4).
- Fig. 7. *Ascidia cylindracea*, from the right side ; natural size.
- Fig. 8. Part of the branchial sac of *Ascidia cylindracea*, seen from the inside ; magnified (Hartn., obj. 4).
- Fig. 9. Part of the dorsal lamina of the same species, showing the sinuses engorged with blood corpuscles ; magnified.
- Fig. 10. *Ascidia despecta*, from the right side ; natural size.
- Fig. 11. Part of the branchial sac of *Ascidia despecta*, seen from the inside ; magnified (Hartn., obj. 4).
- Fig. 12. Part of the dorsal lamina of the same species ; magnified (Hartn., obj. 4).