

PLATE XX.

Figs. 1-6. *Styela flava*, Herdman.

Figs. 7-9. *Styela oblonga*, Herdman.

Figs. 10-13. *Styela glans*, Herdman.

- Fig. 1. *Styela flava*, from the dorsal edge ; natural size.
- Fig. 2. A small portion of the test of *Styela flava*, surface view ; magnified (Hartn., obj. 4).
- Fig. 3. A small portion of the mantle of *Styela flava*, showing the musculature ; magnified (Hartn., obj. 4).
- Fig. 4. Part of the branchial sac of *Styela flava*, showing a fold (*br.f.*), seen from the inside ; magnified (Hartn., obj. 4).
- Fig. 5. A small part of the dorsal lamina, showing the denticulations and ribs ; magnified (Hartn., obj. 4).
- Fig. 6. The dorsal region of the anterior end of the branchial sac, showing the dorsal tubercle (*d.t.*), the peritubercular area, and part of the circle of tentacles (*tn.*, *tn'*. and *tn''*.); magnified (Hartn., obj. 4).
- Fig. 7. *Styela oblonga*, from the right side ; natural size.
- Fig. 8. Part of the branchial sac of *Styela oblonga*, showing a fold (*br.f.*), seen from the inside ; magnified (Hartn., obj. 4).
- Fig. 9. A small portion of the last figure, much enlarged, to show the stigmatic cells (*sg.c.*), and the muscular fibres (*m.f.*) (Zeiss., obj. $\frac{1}{2}$).
- Fig. 10. *Styela glans*, from the right side ; natural size.
- Fig. 11. Part of the branchial sac of *Styela glans*, seen from the inside ; magnified (Hartn., obj. 4).
- Fig. 12. A small portion of the last figure ; much enlarged (Hartn., obj. 5).
- Fig. 13. The posterior end of the ventral edge of the branchial sac, seen from the inside, showing the posterior extremity of the endostyle, and its continuation round the posterior end of the sac to join the end of the dorsal lamina ; magnified (Hartn., obj. 4).