

PLATE XV.

Figs. 1-13. *Colella pulchra*, n. sp.

Figs. 14-17. *Colella ramulosa*, n. sp.

<i>a.</i> Anus.	<i>h.m.</i> Horizontal membrane of branchial sac.	<i>sg.</i> Stigmata of branchial sac.
<i>ap.</i> Appendage from the abdomen of the Ascidiozoid.	<i>i.</i> Intestine.	<i>st.</i> Stomach.
<i>ap.</i> Atrial aperture.	<i>l.</i> Dorsal languet.	<i>t.</i> Test.
<i>bl.</i> Bladder cell.	<i>l.v.</i> Fine longitudinal vessels of branchial sac.	<i>t.c.</i> Test cells.
<i>br.</i> Branchial aperture.	<i>æ.</i> Oesophagus.	<i>t.m.</i> Test matrix.
<i>br.si.</i> Branchial siphon.	<i>ot.</i> Pigmented sense organ.	<i>tr.</i> Transverse vessels of branchial sac.
<i>c.m.</i> Mass of cells of a nervous nature(?)	<i>ov.</i> Ovary.	<i>t.v.</i> Spermatic vesicles.
<i>d.l.</i> Dorsal lamina.	<i>p.c.</i> Pigment cells.	<i>u.</i> Urochord.
<i>em.</i> Bud.	<i>r.</i> Rectum.	<i>v.ap.</i> Vascular appendage.
<i>en.</i> Endostyle.		<i>v.d.</i> Vas deferens.

- Fig. 1. Colony of *Colella pulchra*; natural size.
- Fig. 2. Young colony of *Colella pulchra*; natural size.
- Fig. 3. Part of branchial sac of *Colella pulchra*; magnified (S., 1 inch).
- Fig. 4. Ciliated cells from stigmata of *Colella pulchra*; highly magnified (Z., $\frac{1}{2}$).
- Fig. 5. Part of branchial sac and dorsal lamina of young Ascidiozoid of *Colella pulchra*; highly magnified (S., $\frac{1}{8}$ inch).
- Fig. 6. Part of the surface of the colony of *Colella pulchra*, showing arrangement of Ascidiozooids; magnified (S., 1 inch).
- Fig. 7. Ascidiozoid of *Colella pulchra*, seen from left side; magnified (S., 1 inch).
- Fig. 8. Pigmented appendage from region over stomach of Ascidiozoid of *Colella pulchra*; highly magnified (Z., $\frac{1}{2}$).
- Fig. 9. Part of peduncle of *Colella pulchra*; magnified (S., 1 inch).
- Fig. 10. Transverse section of peduncle of *Colella pulchra*; magnified (S., 1 inch).
- Fig. 11. Part of a transverse section through the peduncle of *Colella pulchra*; highly magnified (S., $\frac{1}{8}$ inch).
- Fig. 12. Tailed larva of *Colella pulchra*; magnified (S., 1 inch, enlarged).
- Fig. 13. Part of tailed larva of *Colella pulchra*; highly magnified (S., $\frac{1}{8}$ inch).
- Fig. 14. Colony of *Colella ramulosa*; natural size.
- Fig. 15. Branched peduncle of another colony of *Colella ramulosa*; natural size.
- Fig. 16. Part of the branchial sac of *Colella ramulosa*; magnified (S., 1 inch).
- Fig. 17. The Ascidiozoid of *Colella ramulosa*, seen from the left hand side; magnified (S., 1 inch).