

PLATE XVII.

Figs. 1-11. *Colella murrayi*, n. sp.

Figs. 12-14. *Colella murrayi*, var. *rubida*, nov.

<i>at.</i> Atrial aperture.	<i>m.</i> Mantle.	<i>t.c.</i> Test cells.
<i>bl.</i> Bladder cell.	<i>æ.</i> Œsophagus.	<i>t.m.</i> Test matrix.
<i>br.</i> Branchial aperture.	<i>p.c.</i> Mass of pigment cells.	<i>tr.</i> Transverse vessel of branchial sac.
<i>cn.</i> Endostyle.	<i>r.</i> Rectum.	<i>tn, tn'.</i> Tentacles.
<i>g.</i> Reproductive organs.	<i>sg.c.</i> Ciliated cells bounding stigmata	<i>t.v.</i> Spermatic vesicles.
<i>i.</i> Intestine.	of branchial sac.	<i>v.ap.</i> Vascular appendage.
<i>l.v.</i> Fine longitudinal vessels of branchial sac.	<i>st.</i> Stomach.	<i>v.d.</i> Vas deferens.

- Fig. 1. Colony of *Colella murrayi*; natural size.
- Fig. 2. Upper end of colony of *Colella murrayi*; slightly enlarged.
- Fig. 3. Part of branchial sac of *Colella murrayi*; magnified (S., 1 inch).
- Fig. 4. Part of surface of *Colella murrayi*, to show arrangement of pigment masses; magnified (S., 1 inch).
- Fig. 5. Part of transverse section of peduncle of *Colella murrayi*; magnified (S., 1 inch).
- Fig. 6. The outer part of a transverse section through the peduncle of *Colella murrayi*; highly magnified (S.,  $\frac{1}{6}$  inch).
- Fig. 7. The central part of a transverse section of the peduncle of *Colella murrayi*; highly magnified (S.,  $\frac{1}{6}$  inch).
- Fig. 8. Part of transverse section of outer part of head of *Colella murrayi*, showing arrangement of Ascidiozooids and pigment masses; highly magnified (S.,  $\frac{1}{6}$  inch).
- Fig. 9. Ascidiozooid of *Colella murrayi*, seen from left side; magnified (S., 1 inch).
- Fig. 10. Transverse section of abdomen of Ascidiozooid of *Colella murrayi*; magnified (S., 1 inch).
- Fig. 11. Part of male reproductive organs of *Colella murrayi*; highly magnified (S.,  $\frac{1}{4}$  inch).
- Fig. 12. Colony of *Colella murrayi*, var. *rubida*; natural size.
- Fig. 13. Part of circle of tentacles of *Colella murrayi*, var. *rubida*; highly magnified (S.,  $\frac{1}{4}$  inch).
- Fig. 14. Part of branchial sac of *Colella murrayi*, var. *rubida*; highly magnified (S.,  $\frac{1}{6}$  inch).