

PLATE XVI.

Figs. 1-7. *Colella elongata*, n. sp.

Figs. 8-16. *Colella concreta*, n. sp.

Fig. 17. ——— (?) *pyriformis*, n. sp.

abd. Abdomen of Ascidiozoid.
at. Atrial aperture.
br. Branchial aperture.
d.l. Dorsal lamina.
d.t. Dorsal tubercle.
en. Endostyle.
fd. Fold in wall of stomach.
gr. Groove between folds.

h.m. Horizontal membrane of branchial
sac.
i. Intestine.
l. Dorsal languet.
ov. Ova.
p.p. Peripharyngeal band.
r. Rectum.
sph. Sphincter.

st. Stomach.
t. Test.
th. Thorax of Ascidiozoid.
tn, tn'. Tentacles.
t.v. Spermatic vesicles.
v.ap. Vascular appendage.
v.d. Vas deferens.

- Fig. 1. Colony of *Colella elongata*; natural size.
- Fig. 2. Transverse section of colony of *Colella elongata*; natural size.
- Fig. 3. Part of a transverse section of *Colella elongata*; magnified (S., 1 inch).
- Fig. 4. Part of the test from the centre of the head of *Colella elongata*, showing the vascular appendages; magnified (S., 1 inch).
- Fig. 5. An Ascidiozoid of *Colella elongata*, seen from the right hand side; magnified (S., 1 inch).
- Fig. 6. Part of a young Ascidiozoid of *Colella elongata*, showing the alimentary canal; highly magnified (S., $\frac{1}{4}$ inch).
- Fig. 7. Part of the circle of tentacles of *Colella elongata*; highly magnified (S., $\frac{1}{4}$ inch).
- Fig. 8. Large colony of *Colella concreta*; natural size.
- Fig. 9. Ascidiozoid of *Colella concreta*, seen from left hand side; enlarged.
- Fig. 10. Part of the vascular appendage of *Colella elongata*; highly magnified (S., $\frac{1}{4}$ inch).
- Fig. 11. Ascidiozoid of *Colella concreta*, from left hand side; magnified (S., 1 inch).
- Fig. 12. Part of mantle of *Colella concreta*; magnified (S., 1 inch, enlarged).
- Fig. 13. Part of branchial sac of *Colella concreta*; magnified (S., 1 inch, enlarged).
- Fig. 14. Dorsal part of anterior end of Ascidiozoid of *Colella concreta*, showing tentacles, dorsal tubercle, languets, &c.; highly magnified (S., $\frac{1}{4}$ inch).
- Fig. 15. Part of wall of stomach of *Colella concreta*, spread out and seen from inside to show the closely placed longitudinal folds; highly magnified (S., $\frac{1}{4}$ inch).
- Fig. 16. The male reproductive organs of *Colella concreta*; magnified (S., 1 inch).
- Fig. 17. Colony of ——— (?) *pyriformis*; natural size.