

PLATE V.

A. stands for body-cavity.

<i>a.</i>	,,	outer layer of (longitudinal) muscles.
<i>B.</i>	,,	band of connective tissue.
<i>b.</i>	,,	second layer of (circular) muscles.
<i>C.</i>	,,	organ of unknown function.
<i>c.</i>	,,	inner layer of (longitudinal) muscles.
<i>C.gl.</i>	,,	cement-glands.
<i>Ch.</i>	,,	chitinous outer wall of peduncle.
<i>D.</i>	,,	main cement-duct.
<i>D'-D'''</i>	,,	branches of the main cement-duct.
<i>d.</i>	,,	initial cement-ducts.

c. stands for darkly pigmented epithelium.

<i>in.</i>	,	intestine.
<i>M.</i>	,,	outer maxilla.
<i>m.</i>	,,	muscle masses.
<i>n.</i>	,,	nerve cords.
<i>O.</i>	,,	ovarian cœca.
<i>od. or Od.</i>	,,	oviduct.
<i>t.</i>	stands for testis.	
<i>s.</i>	,,	segmental organ.
<i>Sd.</i>	,,	segmental duct.
<i>x.</i>	,,	(elastic) fibres of the connective tissue.

Figs. 1-3. Segmental organ of *Scalpellum vulgare*, Leach.

- Fig. 1. Transverse section of the body of *Scalpellum vulgare*, Leach, about the second pair of maxillæ; magnified 27 diameters. The band of connective tissue (B) contains cœca of the testis.
- Fig. 2. Section of the segmental funnel; magnified 305 diameters.
- Fig. 3. Section of the segmental organ; magnified 106 diameters.

Figs. 4, 5. Anatomy of the peduncle of *Lepas anatifera*, Linn.

- Fig. 4. Transverse section near the upper extremity; magnified 8½ diameters.
- Fig. 5. Part of a section near the upper extremity; magnified 58 diameters.

Figs. 6, 7. Anatomy of the peduncle of *Scalpellum vulgare*, Leach.

- Fig. 6. Part of a section at about 5 mm. from the upper extremity; magnified 33 diameters. The chitinous outer wall with the scales removed.
- Fig. 6*. One of the cement-glands; magnified 192 diameters.
- Fig. 7. Part of a section near the lower extremity; magnified 33 diameters.

Figs. 8-11. Anatomy of the peduncle of *Scalpellum regium* (Wyv. Thoms.), Hoek. (The chitinous outer wall with the scales removed.)

- Fig. 8. Part of a section near the upper extremity; magnified 8½ diameters.
- Fig. 9. Section at about 1 cm. from the upper extremity; magnified 8½ diameters.
- Fig. 10. Section about half the length of the peduncle; magnified 8½ diameters.
- Fig. 11. Group of cement-glands in the upper extremity of the peduncle; magnified 58 diameters.