

PLATE VI.

Spirula peronii.

Fig. 1.—The greater part of the alimentary canal, dorsal aspect ; × 4.

Fig. 2.—Ventral aspect of fig. 1, the liver removed.

Fig. 3.—The posterior part of the œsophagus, the stomach and commencement of the intestine ; the dorsal wall removed and also the extremity of the pyloric sac ; seen from within.

Fig. 4.—The pyloric sac seen from within.

Fig. 5.—The termination of the intestine with the small ink bag.

In all these figures :

a. Fold of the anterior face of the pyloric appendage.

ca. Cardia.

cr. Cardiac portion of the stomach.

cr'. Cæcal diverticulum of *cr.*

gl. Gastric ganglion.

hd. Hepatic duct.

li. Liver.

ov. Ova.

pc. "Pancreatic" cæca.

ps. Pyloric sac of the stomach.

ptn. "Peritoneal" sac.

py. Pylorus (*hy* in the fig.).

pyl. Pyloric valve.

r. Rectum.

z. Apparently glandular body in the fold of the "peritoneum."—Other letters as before.

Fig. 6.—Median longitudinal section of the buccal mass, left side.

db. Dorsal beak.

rd. Radula.

li. Internal lip.

s.d. Salivary duct.

ln. "Tongue."

Fig. 7.—Enlarged view of fig. 6, from the right side.—Letters as before.

Fig. 8.—Heart and neighbouring organs, *in situ*, dorsal aspect.

ao.a. ao.p. Anterior and posterior aorta.

aur. aur'. Right and left auricles.

br.h. br.h'. Right and left branchial hearts.

br.app. Branchial heart appendage (pericardial gland).

pl.v. Pallial vein.

v. Ventricle.

v.v. Abdominal vein.

x, x'. Right and left kidneys.—Other letters as before.

Figs. 9 and 10.—Acetabula, ventral and lateral aspects, × 100.

h. The horny lining.

pa. Central papilla.

pd. Peduncle.

Fig. 11.—The olfactory papilla.

Fig. 12.—The right eye from above.

c. Concentric circles of the iris.

m. Muscles.

pp. Pupillary aperture.

Fig. 13.—External (lateral) view of the right eye.

a. Optic nerve (between the removed optic ganglion and the eye).

ap. Palpebral or corneal aperture.

gl. Fatty gland.

oc. Walls of the ocular chamber.

pn.c. Perineural cartilage.

sc.lig. Sclerotic ligament.

Fig. 14.—A sagittal median section through the pallium of the posterior end of the body.

a. Papilla.

b. Edges of the fossa.

chr. Chromatophores.

ep. Epidermis.

l. Lenticular mass of fibrous tissue.

m. Layer of glassy-looking substance.

r. Layer of fibres proceeding from the centre to the circumference *r'*.

sp. Sponge spicule.

z. Point of the section, fig. 17.

Fig. 15.—Enlarged view of a part of fig. 14.—Letters as before ; at *y* the parts are obviously torn and otherwise injured.

Fig. 16.—Part of the lenticular body (*l*, fig. 14) much enlarged.

n. Nuclei embedded among the fibres.

Fig. 17.—Longitudinal antero-posterior section of the mantle.

E. Outer side.

I. Inner face.