

PLATE V.

<i>dcm</i> , Dorsal commissure.	<i>PL</i> , Posterior lobe.	<i>eg</i> , Innervation for the respiratory part
<i>vcm</i> , Ventral commissure.	<i>cc</i> , Ciliated canal to the exterior.	of the oesophagus (n. vagus).
<i>SL</i> , Superior lobe separated into two lobes by a sulcus.	<i>LN</i> , Lateral nerve-stem, with fibrous core and cellular coating.	<i>pn</i> , Innervation for the proboscis.
		<i>an</i> , Cephalic nerves.

Figs. 1-9. *Eupolia giardii*, n. sp. Reconstructions of the brain-lobes from a series of sections.

Figs. 1, 2, 3, 4, 8 represent the outward aspect, viewed from different sides.

Figs. 5, 6, 7, 9 represent the fibrous core; the extension of the ganglion cells enclosing this core being indicated by faint outlines.

Figs. 1, 5. Seen from above.

Figs. 2, 6. Seen from below.

Figs. 4, 7. Seen laterally and outwardly.

Fig. 3. Seen from behind.

Figs. 8, 9. Seen laterally and inwardly (after section of the commissure and removal of the left half).

In figs. 5 and 6 the course of the ciliated canal is specially indicated; in the former figure by a red outline.