

*Lætmogone wyville-thomsoni*, Théel.

- Fig. 4. Side view of the anterior portion of the body, with the left side removed to show the position of the inner organs. *a*, madreporic canal; *b*, papillæ in connection with the madreporic canal; *c*, genital process; *d*, efferent duct of the reproductive organs; *e*, pseudhæmal vessels; *f*, calcareous ring; *g*, reproductive organs; *h*, Polian vesicle; *i*, water-vascular ring; *k*, main canals combining the water-vascular ring with the tentacles and the radial ambulacral vessels; *m*, radial ambulacral vessels; *t*, tentacles; *x*, the foremost portion of the perisoma of the left side turned forwards.

*Deima fastosum*, Théel.

- „ 5. A part of the system of canals which surround the foremost portion of the alimentary canal and are in connection with the small papillæ which are presented in figure 2 of this plate. *a*, papillæ; *b*, part of the disk-like perisoma which surrounds the anterior aperture of the body; *c*, the blind ends of the canals cut off; *d*, canals; *e*, nerves.

*Oneirophanta mutabilis*, Théel.

- „ 6. Side view of the anterior portion of the body with the left side removed to show the inner organs. *a*, madreporic canal; *b*, efferent duct of the reproductive organs; *c*, pseudhæmal vessel passing to the reproductive organs; *d*, male reproductive organs; *e*, mesentery; *f*, dorsal pseudhæmal vessel; *g*, intestine; *h*, Polian vesicle; *i*, ventral pseudhæmal vessel; *k*, elastic bands and threads; *l*, circular pseudhæmal vessel; *m*, water-vascular ring; *n*, radial ambulacral vessels; *o*, minute apertures visible through the thin walls of the water-vascular system, by which apertures the five main canals communicate with the tentacles and the radial ambulacral vessels; *p*, opening formed by the medio-dorsal mesentery; *r*, main canals. Natural size.

*Deima validum*, Théel.

- „ 7. View of the termination of the odd ventral main canal into the tentacles and odd radial ambulacral vessel. *a*, a portion of the odd main canal; *b*, calcareous ring; *c*, branches of the main canal passing to the tentacles; *m*, tentacular cavities; *n*, nerve ring; *o*, tentacular nerves; *k*, the same minute canals which are represented in the figures 2 and 5 of this plate; *x*, odd radial ambulacral vessel; *y*, branch of the main canal which passes into the odd radial ambulacral vessel; *z*, ventral body-wall. The tentacles as well as the ends of the fine canals are removed.