

PLATE IV.

PAGE

The soft parts of *Euplectella aspergillum*, Owen, . . .

64

- Fig. 1. Part of the outer surface of the tube-wall, from a specimen preserved in absolute alcohol; natural size.
- Fig. 2. Part of the inner surface of the tube-wall of the same specimen; natural size.
- Fig. 3. Transverse section of a ridge, with part of the tube-wall of the same sponge. The section corresponds to one of the larger efferent openings of the exhalent canal system (combination figure); $\times 16$.
- Fig. 4. Outer portion of a thin section, perpendicular to the outer surface, through the side wall of a ridge; $\times 150$.
- Fig. 5. External view of a small piece of the outer membrane from the side wall of a ridge; $\times 400$.
- Fig. 6. Transverse section of a layer of ciliated chambers with a sperm-mass; $\times 400$.
- Fig. 7. Part of the wall of a ciliated chamber; $\times 600$.
- Fig. 8. A small portion of the network of the efferent lacunar system of a ridge; $\times 600$.