

## PLATE XXIII.

Figs. 1 and 2. *Polycarpa rigida*, Herdman.

Figs. 3-6. *Polycarpa longisiphonica*, Herdman.

Figs. 7 and 8. *Polycarpa irregularis*, Herdman.

Figs. 9-13. *Polycarpa sulcata*, Herdman.

- Fig. 1. *Polycarpa rigida*, a specimen seen from the left side ; natural size.
- Fig. 2. Part of the branchial sac of *Polycarpa rigida*, seen from the inside ; magnified (Hartn., obj. 4).
- Fig. 3. *Polycarpa longisiphonica*, from the left side ; natural size.
- Fig. 4. Part of the branchial sac of *Polycarpa longisiphonica*, seen from the inside ; magnified (Hartn., obj. 4).
- Fig. 5. The tip of one of the tentacles of *Polycarpa longisiphonica*, seen from the side ; magnified (Hartn., obj. 5).
- Fig. 6. The same, seen partly from the front ; magnified (Hartn., obj. 5).
- Fig. 7. *Polycarpa irregularis*, a specimen seen from the right side ; natural size.
- Fig. 8. Part of the branchial sac of *Polycarpa irregularis*, seen from the inside ; magnified (Hartn., obj. 4).
- Fig. 9. *Polycarpa sulcata*, a specimen seen from the dorsal surface ; natural size.
- Fig. 10. Another specimen, seen from the right side ; natural size.
- Fig. 11. Part of the branchial sac of *Polycarpa sulcata*, seen from the inside ; magnified (Hartn., obj. 4).
- Fig. 12. A small portion of the last figure, more magnified, and showing muscular fibres in the vessels (Hartn., obj. 7).
- Fig. 13. Part of a section through the test of *Polycarpa sulcata*, showing the fibrous matrix (*t.m.*), the vessels (*v.*), and the cavities and terminal knobs (*t.k.*), containing blood corpuscles (Hartn., obj. 7).