

PLATE VI.

Figs. 1-3. *Molgula pyriformis*, Herdman.

Figs. 4-9. *Eugyra kerguelenensis*, Herdman.

- Fig. 1. *Molgula pyriformis*, from the left side ; natural size.
- Fig. 2. Part of the branchial sac, seen from the inside, showing two of the branchial folds, and an interspace ; magnified (Hartn., obj. 4).
- Fig. 3. The peritubercular area and dorsal tubercle ; magnified (Hartn., obj. 4).
- Fig. 4. *Eugyra kerguelenensis*, from the right side ; natural size.
- Fig. 5. Another specimen of the same species, from the right side ; natural size.
- Fig. 6. Part of the tentacular circlet, magnified, showing the different orders of tentacles (Hartn., obj. 4).
- Fig. 7. Portion of one of the branched tentacles, to show the loose membrane (*tn.m.*) upon the posterior surface ; much magnified (Hartn., obj. 5).
- Fig. 8. Part of the branchial sac of *Eugyra kerguelenensis*, from the inside, showing a complete mesh and an infundibulum ; magnified (Hartn., obj. 4).
- Fig. 9. The peritubercular area and dorsal tubercle of *Eugyra kerguelenensis*, showing the simple quadrangular aperture of the duct, from the inside ; magnified (Hartn., obj. 4).