

PLATE VI.

- Fig. 1. *Psolus antarcticus*, Philippi. Deposits from the sole.
- Fig. 2. *Psolus squamatus*, Düben and Koren, var. Deposits from the sole.
- Fig. 3. *Psolus ephippifer*, Wyv. Thomson. *a*, transverse section of the saddle-like elevation of the dorsal perisome, showing the cloister-like space between the columns; *b*, deposits from the sole; *c*, calcareous ring.
- Fig. 4. *Psolus murrayi*, n. sp. *a*, plates from the sole; *b*, cups from the sole.
- Fig. 5. *Psolus incertus*, n. sp. *a*, a scale with pores, *x*; *b*, deposits from the sole.
- Fig. 6. *Colochirus australis*, Ludwig. *a*, buttons; *b*, a cup; *c*, supporting rods from the pedicels; *d*, piece of the skin with two pedicels.
- Fig. 7. *Colochirus quadrangularis*, Lesson. *a*, a spherical, reticulate body; *b*, diverse views of cups; *c*, supporting rod from the pedicels; *d*, flat cups from the pedicels.
- Fig. 8. *Colochirus inornatus*, von Marenzeller. *a*, diverse forms of cups from the exterior layer of the perisome; *b*, button.
- Fig. 9. *Colochirus cucumis*, Semper. *a*, large reticulate spheres; *b*, small reticulate spheres; *c*, cups or hemispheres.
- Fig. 10. *Ocnus typicus*, n. sp. *a*, knobbed buttons; *b*, dichotomously branched bodies or rosettes.
- Fig. 11. *Colochirus challengerii*, n. sp. *a*, diverse forms of buttons; *b*, upper and under views of cups; *c*, supporting rods of the dorsal pedicels; *d*, calcareous ring, twice the natural size.
- Fig. 12. *Colochirus spinosus*, Quoy and Gaimard. *a*, cups; *b* and *c*, buttons.
- Fig. 13. *Cucumaria lævigata*, Verrill (from Betsy Cove). Plates from the body-wall itself.