

## MADREPORARIA.—I. to XVI.

*Note.*—Those figures which represent enlarged views, are marked in the plates with the amount of magnification; the remainder of the figures are of the natural size of the objects represented. The locality at which each actual specimen figured was dredged is given in each instance.

## PLATE I.

- Fig. 1. *Caryophyllia lævicostata*. *a* Mouth of the calicle of the same specimen. Off Ascension Island. 425 fathoms.
- Fig. 2. *Caryophyllia clavus*, var. *transversalis*. *a* Mouth of the calicle of the same specimen. Off the Ki Islands. 129 fathoms.
- Fig. 3. *Caryophyllia paucipalata*. *a* Mouth of the calicle of the same specimen. Off Culebra Island, Danish West Indies. 390 fathoms.
- Fig. 4. *Caryophyllia communis*. *a* Mouth of the calicle of the same. Lat.  $42^{\circ} 8' N.$ , long.  $63^{\circ} 39' W.$  1250 fathoms.
- Fig. 5. *Caryophyllia communis*. Lat.  $37^{\circ} 24' N.$ , long.  $25^{\circ} 13' W.$  1000 fathoms.
- Fig. 6. *Caryophyllia profunda*, mass of examples fused together. *a* Mouth of one of the calicles of the same specimen. *b* Part of the wall of one of the calicles, to show the arrangement of the costæ. Off Nightingale Island, Tristan da Cunha group. 150 fathoms.
- Fig. 7. *Caryophyllia lamellifera*. *a* The same enlarged. *b* Mouth of the calicle. Off the Kermadec Islands. 630 fathoms.
- Fig. 8. *Caryophyllia rugosa*. *a* Mouth of the calicle of the same. *b* Portion of the wall enlarged to show the transverse lamellæ upon it. Off the Ki Islands. 129 fathoms.

## PLATE II.

- Fig. 1. *Pleurocyathus brunneus*, attached by its side near the apex of its base to a fragment of volcanic rock. *a* The same enlarged, viewed from the side. *b* Mouth of the calicle of the same. *c* Portion of the wall of the calicle of the same,