

much enlarged to show the arrangement of the costæ. Off Banda Island. 60 fathoms.

- Fig. 2. *Deltocyathus agassizi*, the attached variety. *a, b* Views of the upper and under surfaces of the same enlarged. South Pacific Ocean. Lat.  $32^{\circ} 36' S.$ , long.  $137^{\circ} 43' W.$  2375 fathoms.
- Fig. 3. *Deltocyathus agassizi*, attached variety. *a* The same enlarged. Off the Danish West Indies. 200 to 320 fathoms. Specimen received from Professor G. Lindström.
- Fig. 4. *Odontocyathus coronatus*. *a* Under surface of the same. *b* Mouth of calicle. Off Culebra Island, Danish West Indies. 390 fathoms.
- Fig. 5. Young specimen of *Odontocyathus coronatus*. *a* Mouth of calicle of the same. *b* Under surface of the same enlarged. Off Culebra Island, Danish West Indies. 390 fathoms.
- Fig. 6. *Acanthocyathus spinicarens*. *a* View of the opposite surface of the same specimen. *b* Mouth of the calicle of the same. *c* Enlarged view of the costæ of the same. Off the Philippine Islands. Lat.  $9^{\circ} 26' N.$ , long.  $123^{\circ} 45' E.$  375 fathoms.
- Fig. 7. *Acanthocyathus dentatus*. *a* View of the opposite surface of the same specimen. *b* Mouth of the calicle of the same. *c* Enlarged view of the costæ of the same. Off Kandavu, Fiji Islands. 210 fathoms.
- Fig. 8. *Cyathoceras rubescens*, attached to a dead specimen of the same species; side view of the calicle. *a* View of the broader aspect or face of the calicle of the same specimen. *b* Mouth of the calicle. *c* Enlarged view of the costæ of the same. Off the Ki Islands. 126 fathoms.

### PLATE III.

- Fig. 1. *Stephanotrochus diadema*. *a* Mouth of the calicle of the same. *b* Under surface of the same. *c* Tip of one of the exsert primary septa and its costa much magnified. Off Pernambuco, Brazil. 675 fathoms.
- Fig. 2. *Stephanotrochus discoides*. *a* Under surface of the same. *b* Mouth of calicle. *c* Portion of the margin of the under surface of the same enlarged to show the form of the costæ. Off Pernambuco, Brazil. 675 fathoms.
- Fig. 3. *Stephanotrochus nobilis*. *a* Under surface of the same. *b* Mouth of calicle. Off the Azores. Lat.  $38^{\circ} 30' N.$ , long.  $31^{\circ} 14' W.$  1000 fathoms.
- Fig. 4. *Stephanotrochus platypus*. *a* Under surface of the same, showing in its centre a small Gasteropod shell to which the coral was primarily attached. *b* Mouth of the calicle of the same. Off Sydney, New South Wales. 410 fathoms.