

EXPLANATION OF THE PLATES.

Fig.

1. *Pennatula naresi*, Köll., from the ventral side.
2. The same from the dorsal side.
3. *Pennatula sulcata*, Köll., *a*, from the dorsal; *b*, from the ventral side.
4. A part of the dorsal side of *Pennatula sulcata* twice the natural size.
5. *Pennatula pearceyi*, Köll., twice the natural size.
6. *Pennatula murrayi*, Köll., from the dorsal side.
7. The same from the ventral side.
8. *Pennatula moseleyi*, Köll., from the dorsal side.
9. A part of *Pennatula moseleyi*, from the ventral side.
10. *Virgularia bromleyi*, Köll., fig. 1, natural size; fig. 2, from the ventral aspect
fig. 3, from the sides,—four times the natural size.
11. *Virgularia gracillima*, Köll.
12. *Scytalium tentaculatum*, Köll., *d*, dorsal; *v*, ventral side.
13. A young leaf of *Scytalium tentaculatum* magnified; (*) the tentacles at the end of
the not yet developed polyp-cells.
14. A smaller but developed leaf of *Scytalium sarsi*.
15. Undeveloped leaf of *Scytalium sarsi*.
16. *Anthoptilum thomsoni*, Köll., *v*, ventral side.
17. A part of the same from the side, the polyps cut to show the lateral zooids.
18. A tentacle of *Anthoptilum thomsoni*.
19. *Anthoptilum murrayi*, Köll.
20. Part of the same from the ventral side, three times the natural size.
21. The same from the dorsal side.
22. *Anthoptilum simplex*, Köll., *v*, ventral; *d*, dorsal side.
23. *Protocaulon molle*, Köll., three times the natural size.
24. *Stachyptilum macleari*, Köll., *A*, ventral; *B*, dorsal aspect.
25. A part of the dorsal side of the same, three times the natural size.
26. Calcareous corpuscles of the tentacles of *Stachyptilum*.
27. *Microptilum willemäsi*, Köll., *A*, natural size; *B*, three times the natural size.
28. *Leptoptilum gracile*, Köll., *A*, natural size; *B*, three times the natural size.