

PLATE I.

Cœnœcium of *Cephalodiscus dodecalophus*, about the natural size ; a few of the branches terminate in somewhat flattened tips. At *a*, one of the pillars, which like aerial roots pass downwards to the stones and sponges on which it grows, is represented, its tip being expanded into a broad surface. Numerous inosculation take place between the various branches.

I have to thank Mr. E. E. Prince for most kindly aiding me in drawing certain figures, as indicated on the Plates.