

PLATE XXII.

Figs. 1-4.—*Perisiphonia filicula* (p. 44).

Fig. 1.—A colony; natural size.

Fig. 2.—Distal end of a pinna; magnified 25 diameters. The axial and peripheral tubes are partly separated from one another after maceration in caustic potash. Where the peripheral tubes still remain in their natural position, the distal extremities of the hydrothecæ are seen projecting from between them. Sarcothecæ are seen to be carried by the outer peripheral tubes.

Fig. 3.—Portion of the stem after maceration in caustic potash; magnified 25 diameters. The axial tube has been nearly freed from the surrounding peripheral tubes. The origins of the pinnæ from the main stem are seen.

Fig. 4.—Outline of hydrotheca, showing a sarcotheca springing from its peduncle.