

(Type specimen from Station 54.) Diameter of disk 6 mm. Width of arm, without spines, close to disk, 1 mm. Four short, blunt mouth papillæ on each side, the two at the apex being largest and conical; between them may be seen the lowest tooth, having a broken edge. Mouth shields small, rounded, with a slight angle within. Side mouth shields large, narrow within, where they meet; broader without, where they curve partially round the mouth shield. First under arm plate very small; those beyond are swollen, narrow, longer than broad, having the outer edge much rounded, deep re-entering curves on the lateral sides, and a short, straight side within. Side arm plates small, separated below, but just meeting above. Upper arm plates much broader than long, transverse oval, with the inner edge nearly straight, outer edge curved, and blunt angles on the lateral sides. Disk flat, moderately thick and slightly angular, covered with small, thin, irregular, overlapping scales; there are six large, widely separated primary plates, one round one in the centre, surrounded by five others broader than long. Radial shields large, longer than wide, of an elongated pear-seed shape, their pointed inner ends being separated by two small, angular scales. Interbrachial space on the under surface covered by fine overlapping scales, smaller than those above. Four arm spines standing close together on the side arm plates; they are about as long as an arm joint, and rather slender and tapering except the one next the lowest, which is strongly swollen at the base. Large round pores, but no tentacle scales. Colour, grey.

Station 54.—May 27, 1873; lat. 34° 51' N., long. 63° 59' W.; 2650 fathoms; grey ooze.

*Amphiura canescens*, Lym. (Pl. XVII. figs. 7-9).

*Amphiura canescens*, Lym., Bull. Mus. Comp. Zool., vol. vi., part 2, p. 30, pl. xii. figs. 332-334, 1879.

Five mouth papillæ on each side, of which the three middle ones are longest; point of mouth angle occupied by the lowest tooth. Two tentacle scales. Three arm spines about as long as a joint.

(Type specimen from Station 171.) Diameter of disk 5 mm. Arms long and slender. Width of arm, close to disk, without spines, 1 mm. Five stout, blunt mouth papillæ on either side of the mouth angle, the three middle ones being longer, broader, and more flattened than the rest. One large, triangular papilla, or tooth, at apex of jaw. Mouth shields broad triangular, with blunt angles and outer edge much rounded. Side mouth shields long and narrow, but slightly swollen, broader without than within, where they just meet. First under arm plate small, pentagonal, with an angle inward and slightly re-entering curves on the lateral sides; the other basal plates are large, with outer edge curved, and wider than the inner, and with lateral sides re-enteringly curved. Side arm plates not prominent, meeting neither above nor below at the base