

First radial very short ; the second longer and trapezoidal, somewhat incised by the rhombic axillary and forming with it a slight prominence. Axillary as wide as or wider than long, with a fairly open distal angle.

Ten arms, of some two hundred smooth joints. First brachial rather deeply incised, with a short inner and much longer outer edge ; the second irregularly quadrate, and the six following joints more oblong or obliquely quadrate, with the pinnule on the shorter side. The first three joints above the third syzygy are sometimes nearly triangular and as wide as long, but the following ones are distinctly quadrate and gradually become longer than wide ; the terminal joints somewhat elongated. Syzygies in the third and eighth brachials and then at intervals of two to four joints.

The first two pinnules long and flagellate, composed of numerous short joints, the basal ones wide and slightly carinate, sometimes with dorsal processes, and the later joints serrate. The third pinnule little more than half as long as the second, with much fewer joints, the basal ones stouter, and the remainder mostly much longer than wide. The following pinnules more massive, with square joints which gradually become elongated. The two lower joints of the distal pinnules flattened and trapezoidal in some forms, but only slightly modified in others.

Ambulacra not plated, but the disk sometimes bears a number of small calcareous granules.

Colour in spirit,—white or brownish-white.

Disk 15 mm.; spread may reach 30 cm.

Localities.—H.M.S. Challenger, Station 48, May 8, 1873 ; on the Le Have Bank ; lat. $43^{\circ} 4' N.$, long. $64^{\circ} 5' W.$; 51 fathoms ; rock. Several specimens.

H.M.S. "Valorous," Station 6, August 10, 1875 ; Davis Strait ; lat. $64^{\circ} 5' N.$, long. $56^{\circ} 47' W.$; 410 fathoms ; sand and mud ; bottom temperature, $34^{\circ} \cdot 6 F.$ One specimen.

H.M.S. "Alert," 1875 ; Franklin-Pierce Bay (in Smith's Sound) ; lat. $79^{\circ} 25' N.$; and Discovery Bay (in Robeson Channel), lat. $81^{\circ} 41' N.$; 25 fathoms ; hard bottom.

H.M.S. "Triton," 1882, Station 4 ; lat. $60^{\circ} 22' 40'' N.$ and $60^{\circ} 31' 15'' N.$, long. $8^{\circ} 21' W.$ and $8^{\circ} 14' W.$; 327 to 430 fathoms ; stones, mud ; bottom temperature, $31^{\circ} \cdot 5$ to $30^{\circ} F.$

Station 6 ; lat. $69^{\circ} 8' 0'' N.$, long. $7^{\circ} 26' 30'' W.$; 466 fathoms ; stones ; bottom temperature, $29^{\circ} \cdot 5 F.$

Other Localities.—Barents Sea ("Tegetthoff" and "Willem Barents"); Kara Sea ("Varna"); Jan Mayen (Fischer).

Remarks.—This species has a curious history and has caused me no little trouble. I have no doubt that it was dredged by the "Porcupine" in 1869 in the cold area of the Færoe Channel, together with *Antedon eschrichti*, which was met with in comparative abundance ; but it is not now to be found among the remains of the "Porcupine"