

at four points in front and a small group at the apex behind; the finger more than half the length of the fifth joint, curved, acute, with a very small dorsal cilium.

*Fourth Peræopods* longer than the third, similar, except that the front margin of the first joint is straighter, and the hind margin rather sinuous, the joint being a good deal narrower below than above.

*Fifth Peræopods* like the fourth, but longer, and with the fifth joint longer than the third.

*Pleopods*.—Coupling spines very thin, bent, with two or three small lateral hooks; the cleft spines not well made out, apparently three or four in a series; joints of the rami about ten in number.

*Uropods*.—Peduncles of the first pair longer than the rami, with five spines on one of the upper margins and six on the other, and the usual large spine on the lower apex; the outer ramus shorter than the inner, with five spines on one margin, one on the other, and a small apical group; the inner ramus with one margin free, otherwise armed like the outer; the peduncles of the second pair a little longer than the inner ramus, the apical spine short; the shorter outer ramus has four spines on each margin and an apical group; the inner ramus has seven on one margin, two on the other, and an apical group; the peduncles of the third pair longer than the rami, reaching beyond the other peduncles and the telson, with five or six groups of spines along the inner margin, and six small spines about the distal margin in two groups; the rami are short and narrow, subequal, with the acute apices a little bent, especially that of the slightly shorter outer ramus, this apex being a little pectinate; the inner ramus has a marginal spine.

*The Telson* in outline forms a pointed arch reversed, about as long as the greatest breadth; below it appears to have a carina, narrow near the apex, but towards the base spreading out into a triangular surface.

*Length*.—The male specimen from which fig. *gn.2. ♂* was drawn, measured just over a fifth of an inch, in a straight line from the front of the head to the extremity of the uropods.

*Locality*.—Station 168, off New Zealand, July 8, 1874; lat.  $40^{\circ} 28' S.$ ; long.  $177^{\circ} 43' E.$ ; depth, 1100 fathoms; bottom, blue mud; bottom temperature  $37^{\circ} \cdot 2$ . Two specimens, male and female.

*Remarks*.—All the figures except *gn.2.* were drawn from the female specimen.

The specific name is given in compliment to Dr. P. P. C. Hoek, who in 1882 gave a brief description and some figures of a new species, *Podocerus tuberculatus*, among the Crustacea of the "Willem Barents" Expedition. This species was obtained in lat.  $71^{\circ} 23' N.$ , long.  $49^{\circ} 38' E.$ , and judging only from the preliminary description and the figures of the two gnathopods, third uropods, and telson, presents an extraordinary resemblance