

2. Lateral epibranchial spines small or obsolete :—

*Macrocaeloma eutheca* (Stimpson) (as figured by A. Milne Edwards). Tortugas ; Santa Cruz, &c. ; Florida Strait, 12 to 115 fathoms.

*Macrocaeloma laevigata* (Stimpson) = *Pericera curvicornis*, Desbonne and Schramm. St. Thomas ; Guadalupe.

*Macrocaeloma trispinosa* (Latreille).

? *Pisa trispinosa*, Latreille, Encycl. Méth. Hist. Nat., vol. x. p. 142, 1825.

*Pericera trispinosa*, Milne Edwards, Hist. Nat. Crust., vol. i. p. 336, 1834.

" " Guérin, Icon. des. Crust., pl. viii. fig. 3, 1829-44.

" " A. Milne Edwards, Crust. in Miss. Sci. au Mexique, pt. 5, p. 52, pl. xv. fig. 2, 1873 ; et synonyma.

An adult and a smaller female is in the collection from Bermuda, and four small specimens (male and three females) from Bahia, collected in shallow water.

I have examined, in the collection of the British Museum, a considerable series of specimens of this reputedly rare species, of different ages and of both sexes. It exhibits considerable variation as regards the form and direction of the rostral spines, and the development of the prominences of the carapace. In a large adult male from the Tortugas, length of carapace and rostrum  $25\frac{1}{2}$  lines (54 millims.), the gastric region is very lofty and convex, and the rostral spines straight, but somewhat deflexed, sloping downward in a plane with the anterior dorsal surface of the gastric region ; in smaller individuals the rostral spines are not deflexed, and vary considerably in length, being more than one-half or less than one-third the length of the carapace ; generally they are parallel at the base and very slightly divergent towards the tips, but in one specimen in the Challenger series the divergence is much greater, as in *Macrocaeloma diacantha* (A. Milne Edwards), and *Macrocaeloma campnocera* (Stimpson), which are perhaps merely varieties of *Macrocaeloma trispinosa*.

*Macrocaeloma septemspinosa* (Stimpson).

*Pericera septemspinosa*, Stimpson, Bull. Mus. Comp. Zoöl., vol. ii. p. 113, 1870.

" " A. Milne Edwards, Crust. in Miss. Sci. au Mexique, pp. 59, 200, pl. xv. A. fig. 2, 1873.

Bahia, shallow water, an adult female.

Adult ♀.		Lines.	Millims.
Length of carapace and rostrum,	.	$18\frac{1}{2}$	41
Breadth of carapace, about	.	$15\frac{1}{2}$	32.5
Length of a chelipede,	.	16	34
Length of first ambulatory leg,	.	14	30