

Pilumnus africanus, A. Milne Edwards (Pl. XIII. fig. 1).

Pilumnus africanus, A. Milne Edwards, Ann. Soc. Entom. France, ser. 4, vol. vii. p. 280, 1867.

St. Vincent, Cape Verde Islands, July 1873 (a male and a female of large size, with ova).

The specimens in the Challenger collection agree in nearly all particulars with the description of A. Milne Edwards. This species is distinguished from *Pilumnus hirtellus*, of which it may be a variety, by the much more developed spinules of the outer and upper surface of the chelipedes, which spinules are arranged in longitudinal series, and from *Pilumnus villosus* by the unarmed superior margin of the orbit.

The colour (of specimens dry, and in spirits) is reddish-brown, the pubescence yellow; the spinules of the antero-lateral margins and chelipedes and the fingers are black.

The antero-lateral margins are normally six-spined, but the small spine which immediately follows that at the exterior orbital angle (the second of the series) is obsolete on one side and very small on the other in the larger (female) specimen.

The dimensions of both are given below:—

	♂.	Lines.	Millims.
Length of carapace,		5	10·5
Breadth of carapace,		6	12·5
Adult ♀.			
Length of carapace,		6½	13·5
Breadth of carapace, nearly		8	17

Pilumnus spinifer (?), Milne Edwards.

? *Pilumnus spinifer*, Milne Edwards, Hist. Nat. Crust., vol. i. p. 420, 1834.

„ „ cf. Savigny, Descr. de l'Egypte, Crust. Atlas, pl. v. fig. 4.

? „ „ Heller, Crust. des südlichen Europa, p. 73, 1863.

Off Fayal, 50 to 90 fathoms. Several specimens of both sexes.

The specimens very doubtfully referred to this species are of rather small size, and differ from Milne Edwards' description, but not from the figure cited, in having the superior margins of the orbits entire, without spines. The tubercles of the chelipedes only tend to become spinuliferous near the superior margins. There are but three spines on the antero-lateral margins, exclusive of the small spinule at the exterior angle of the orbit, as in the description and figure.¹

	Adult ♂.	Lines.	Millims.
Length of carapace,		4½	9·5
Breadth of carapace,		5½	11·5

¹ Dr. C. Heller (*Sitzungsb. math.-nat. Cl. k. Akad. Wiss. Wien*, vol. xliii. (i.) p. 345, 1861) at first referred Savigny's *Pilumnus* to a new species, designated by Heller *Pilumnus savignyi*, on account of the non-spinuliferous superior margins of the orbits, but in 1863, in the work quoted above, it is referred to *Pilumnus spinifer*, Milne Edwards.