

Phronima atlantica, Guérin (Pl. CLX.).

1836. *Phronima atlantica*, Guérin, Mag. Zool., vi. Cl. vii. p. 7, pl. xviii. fig. 1.
 1836. " " Guérin-Ménéville, Icon. du règne anim., Crust., pl. xxv. fig. 4.
 1840. " " Milne-Edwards, Hist. Nat. des Crust., t. iii. p. 93.
 1852. " " Dana, U.S. Explor. Exped., vol. xiii. pt. ii. p. 1001.
 1862. " " Spence Bate, Brit. Mus. Catal. Amph. Crust., p. 318, pl. li. fig. 4.
 1882. " " Streets, Proc. U.S. Nat. Mus., p. 5, pl. i. figs. 1, 1a, 2.

Last segment of the peræon elongate, a little longer than the first of the pleon, which is much longer than either of the two following; the first three segments of the pleon with the postero-lateral angles produced in the female, the tooth being longer in the second than in the first, and in the third than in the second segment; in the male specimen only the third segment had a tooth and that a small one.

First and Second Peræopods with the hind margin of the first and second joints apically produced to form an acute slender tooth. In the male this tooth seems to be unimportant in size.

Third Peræopods.—First joint very little expanded below, each margin having a pointed apex; the second joint having the front margin produced into a pointed apex, this joint being as long as the third in the male specimen, but much shorter in the female; the third joint little dilated; the fourth considerably longer in the female than the distal breadth, the front margin forming only a small apical tooth, separated by an almost semicircular cavity from a much smaller tooth which projects from the palmar margin almost as far as the front tooth; a second much smaller cavity reaches the centre of the palm, the margin of which beyond this cavity is at first either crenate or cut into two or three little teeth; in the male this joint differs only in being a little broader near the base and shorter in proportion to the breadth; the fifth joint is much bent, almost as long as the fourth, with a slight bulge near the centre of the inner or front margin, the bulge being nearer the apex in the male than it is in the female; the finger as usual minute.

Fourth Peræopods.—Branchial vesicles not quite so long as the first joint. The first joint with the two lines of gland-cells very distinct, each line divided into four elongate packets; the front margin of the joint apically produced into a narrow acute tooth, less developed in the male than in the female; front margin of the second joint produced into a projecting tooth.

Fifth Peræopods similar to the fourth, with the usual differences in the proportions.

Pleopods.—Peduncles elongate, the inner ramus with seven, the outer with eight joints; the first joint in each ramus nearly as long as the rest together.

Uropods in agreement with those of *Phronima pacifica*, Streets, except that in the female the inner ramus of the second pair is much more than half the length of the outer,