

minute size. The second and third pairs are long, slender, and terminate in small chelæ. The fourth and fifth pairs are entirely absent.

The pleopoda are slender, not very long, and gradually become shorter and more robust.

The sixth pair of pleopoda is about as long as the sixth somite of the pleon; the outer margin of the external plate is armed with a small tooth halfway between the basal and distal extremities; the rest are furnished with long ciliated hairs.

Length, 12 mm. (0.5 in.).

*Habitat*.—Station 106, August 25, 1873; lat. 1° 47' N., long. 24° 26' W.; Mid Atlantic Ocean, within 40 fathoms of the surface.

Station 354, May 6, 1876; lat. 32° 41' N., long. 36° 6' W.; North Atlantic Ocean.

*Observations*.—The specimen from the former station appears to correspond with the genus *Acetes* in the absence of the posterior two pairs of pereopoda, but I am inclined to think, from the presence of these appendages in a rudimentary condition in the specimen from the latter station, that their absence is owing to the early stage of development.

The telson is rather longer in the specimen from the tropical part of the Atlantic than in that from the North Atlantic, which also has the ventral surface produced to large lobes in the median line, the anterior two being each furnished with a short strong tooth.

*Sergestes penerinkii*, n. sp. (Pl. LXXVI. fig. 3).

Carapace about one-third the length of the animal; rostrum short, about one-fourth the length of the carapace, and projecting horizontally forwards; frontal margin not produced to a tooth at the outer angle of the orbit.

Pleon having the first two somites armed on the ventral surface in the median line with a strong, sharp tooth, broad at the base, and directed forwards; the second being more prominent than the first. The third, fourth, and fifth somites are dorsally armed with a strong tooth in the median line of the posterior margin, and on the ventral surface in the median line with a strongly projecting unarmed lobe. The sixth somite is furnished with a tooth on the posterior dorsal margin, and is about as long as the two preceding somites together.

Telson about half the length of the sixth somite.

The ophthalmopod is very nearly as long as the carapace, the stalk slender, and the ophthalmus broad.

The first pair of antennæ having the extremity of the peduncle reaching scarcely beyond the extremity of the ophthalmopod; the three joints subequal or nearly subequal in length.