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| Length, entire (female), | 17 mm (0.68 in.). |
| „ of carapace, | 6 „ |
| Depth of carapace, | 4.5 „ |
| Length of pleon, | 11 „ |
| „ of telson, | 2.5 „ |
| „ of large chela, | 8 „ |
| „ of small chela, | 4 „ |
| „ of dactylos, | 1.5 „ |
| „ of second pereopod, | 16 „ |

Habitat.—Levuka, Fiji Islands, reefs. One specimen; female.

Observations.—As shown in the plate this specimen has attached to the pleopoda (fig. 5*q*) a number of egg-like bodies (fig. 5*par*), which I at first took to be the ova, but a close inspection showed that each was attached by a peduncle to the stalk of the pleopoda. The surface of the capsule has a roughened appearance, and when it was ruptured by compression a number of what appeared to be the eggs of some animal, unknown to me, were liberated. Within each small sac was an embryo, but not sufficiently advanced to enable me to determine its characters (fig. 5*par*). It is probably a parasite, and in general aspect resembles a minute *Sacculina*, but I do not think it belongs to that group, inasmuch as the embryo exhibits no Crustacean peculiarities.

Alpheus malleator, Dana, and *Alpheus obesomanus*, Dana, have the larger hand of the first pair of pereopoda with the same peculiar mallet-shaped dactylos as is present in this species.

Betæus microstylus, n. sp. (Pl. CI. fig. 6).

Orbital lobes considerably produced, leaving the median line of the frontal margin depressed and excavate.

First pair of antennæ having the stylocerite not longer than the first joint of the peduncle.

Second pair of antennæ having the scaphocerite deeply cleft between the outer tooth and the squamous portion, which is fringed with hairs on the inner side.

Telson quadrate, laterally and dorsally armed with two small spines, and terminally fringed with hairs.

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|------------------------------|-----------------|
| Length, entire, | 25 mm. (1 in.). |
| „ of carapace, | 8 „ |
| Depth of carapace, | 5 „ |
| Length of pleon, | 17 „ |
| „ of telson, | 3 „ |

Habitat.—Albany Island, Cape York. One specimen.