to ten-jointed, joints oblong, setæ few, shorter than joints. Inferior antennæ about as long as base of superior; flagellum four-jointed, and about as long as fourth basal joint. Hand of first pair triangular, lower angle near base prolonged into an acute tooth. Hand of second pair elongate, palm nearly straight, having an acute tooth near base, and in males, a tooth towards apex. Branchiæ long, and nearly linear. Third and fourth pairs of feet longer than fifth pair.

Plate 54, fig. 1 *a*, male, enlarged; *b*, hand of first pair; *c*, ibid. of second pair; *d*, mandible; *e*, lip; *f*, second pair of maxillæ; *g*, maxillipeds; *h*, extremity of abdomen; *i*, female, probably of this species; *k*, antenna of first pair.

Rio Janeiro, in ten to twelve fathoms water; taken from the anchor along with various Caprellids, January, 1839.

Length, two-thirds of an inch. Head and first thoracic segment together but little shorter than second thoracic segment; fifth thoracic segment somewhat the longest; seventh very short, but slightly oblong and rounded behind. Eyes large and round. Second joint of base of superior antennæ about twice as long as first, and one-third longer than third; joints of flagellum oblong and slender. First pair of thoracic legs nearly half as long as second pair; first joint about equal to three following; hand broadest at base, and with a straight transverse basal margin, extending into the tooth below, this tooth tipped with one or two short spines; a few short hairs on posterior margin of third and fourth joints. Second pair of legs has a slender basal joint, as long as the segment or a little exceeding it, and as long as hand; the finger is nearly as long as hand and much curved, rather abruptly so, just exterior to centre; branchia of this pair about half as long as basal joint; when the finger is closed on the hand there is an interval between it and the palm. The hand of males has the palm somewhat concave, a low convex prominence near its middle, an emargination for the extremity of the finger, with a spine below, and one or two smaller above; also a tooth near apex. In the female, the hand is narrow subelliptical; it has a tooth, as in the male, near base, which is the limit of the palm, but the palm is slightly arcuate instead of excavate, and has some small teeth. Third and fourth