

an obtuse finger plying against a short obtuse immoveable finger. The first pair of legs is similar to the same in the Caligi. The first pair of natatories is rather large, and the following three pairs quite large and broad, the fourth not less so than the preceding. The setæ are long and plumose. The mandibles are slender and straight toward the apex, and when in action protrude from the very extremity of the buccal trunk. The second cephalothoracic segment is somewhat alate on either side; the third and fourth not at all so. The eyes are a little remote, and have between them a minute spot, much resembling what is found in the Sapphirinæ, which we have suspected to be another eye.

NOGAGUS VALIDUS.

*Carapax paulo oblongus, ellipticus, segmento secundo ad latera posticè producto, segmentis duobus sequentibus transversis. Pedes secundi paris crassissimè cheliformes, digito immobili brevi, truncato, digito mobili obtuso. Abdomen 2-articulatum, segmento antico subquadrato, angulis posticis prominulis; segmento postico brevi, transverso, angulis posticis truncatis. Styli caudales latè lamellati, paulo oblongo, setis tribus plumosis.*

Carapax a little oblong, oval, second segment with the sides prolonged backward, third and fourth transverse, subequal, half as wide as carapax. Feet of second pair very stout cheliform, immoveable finger short, truncate, moveable finger obtuse. Abdomen two-jointed, anterior segment subquadrate, posterior angles a little prominent, second segment short transverse, the angles obliquely truncate. Caudal stylets rather large, lamellar, a little oblong, setæ three, plumose.

Plate 94, fig. 9 *a*, dorsal view of animal, enlarged; *b* to *g*, organs, in their relative positions; *b*, anterior antennæ; *c*, posterior antennæ; *d*, buccal trunk, with the maxillæ; *e*, first pair of feet; *f*, second pair of feet; *g*, first pair of natatories; *h*, third and fourth pairs of natatories.

From a shark, in the Pacific, northeast of New Zealand; taken April 15, 1840.