

subcylindrical, biramous, the inferior (principal) branch gradually narrowed and pointed, slightly sinuous and continuing the line of the main branch of the segment, the superior (subsidiary) branch projecting upwards and forwards, compressed and pointed, arising nearer to the tip than to the base of the segment. Length 17.5 millim., width 5.2.

*Hab.* GUATEMALA, Senahu in Alta Vera Paz (*Champion*).

### 5. *Sphæriodesmus stilifer*, sp. n. (Tab. IX. figg. 2-2 c.)

*Colour* testaceous or ochraceous. *Segments* lightly rugulose. *Body* elongate and narrow. *Head* with sulcus nearly obsolete. The fourth and fifth *segments* about equal in width, the keels of both with rather pronounced sigmoid flexure, the anterior borders strongly convex, the posterior correspondingly concave; the posterior borders of all the keels concave, those of the seventh to about the tenth the least so, those of the segments succeeding the tenth becoming gradually more and more concave towards the posterior end of the body; the posterior border of the keel of the eighteenth forming a distinct but obtuse angle with the posterior edge of the dorsal portion.

*First leg* of male modified; the femur with strongly convex upper border, hollowed lower border, and a large proximal conical process. *Sternum* of sixth segment narrow, much narrower than length of second segment of leg and only a little exceeding length of its basal segment. *Socket* of phallopods extending almost out to the dentiform tubercle, the edge just behind the tubercle raised to form a convex crest; the posterior edge not raised; *coxae* of the posterior legs of the seventh segment comparatively close together, separated by a space which is less than their width. *Phallopods* with distal segment subcylindrical, incurved apically, with a bifid tip; on the inner side near the tip there is a slender stiliform process bent at right angles; and above this is an erect spiniform tooth rising some little distance behind the extremity of the organ.

Length 15 millim., width 5.

*Hab.* COSTA RICA, Irazu (*Rogers*).

### 6. *Sphæriodesmus digitatus*, sp. n. (Tab. IX. figg. 3-3 d.)

*Colour* uniformly yellowish (in alcohol), white when dry. *Body* narrow and elongate, low, gradually sloped downwards posteriorly. *Segments* smooth and shining, at most minutely sculptured. *Keels* of fourth and fifth segments subequal in thickness and rather similar in shape except that the posterior angle of the fourth is more acute and the posterior border more concave; the notch on the inferior border of the keel of the fifth farther back than in other species. Posterior borders of the keels, except quite at the posterior end of the body, inclined slightly forwards, so that in the posterior half of the body, where the posterior angle becomes gradually more and more acute, the hinder border is lightly concave. Posterior border of keel of the eighteenth forming an evenly rounded angle with that of the dorsal portion of the segment.

*First leg* of male modified; the femur arcuate, concavo-convex, with a strong basal tooth-like tubercle. *Sternal areas* of fifth and sixth narrow, narrower than the length of the basal segment of the legs. *Socket* of phallopods extending nearly as far as the spiniform tubercle, the margin slightly raised in this region, elsewhere not raised. *Sternal area* separating the posterior legs of the seventh segment narrow, about equal to the length of the second segment of the legs, but these segments are themselves comparatively short. *Phallopods* long and slender; basal segments subcylindrical, not noticeably inclined inwards; distal segment long, slender, and cylindrical, biramous, the upper (subsidiary) branch thin and pointed, slightly curved, directed upwards and forwards so as to lie nearly parallel with the main branch, which projects straight forwards, is lightly sinuous and a little hooked at the tip; one or two longish bristles near its distal end externally.

Length 16 millim., width 4.

*Hab.* GUATEMALA, Volcan de Agua (*Stoll*).