

with a dull pale central band. Eyes subsimilar in the two sexes, the characteristic features being more emphasized in the male; central quadrangle narrower behind, posterior centrals being in contact, the anterior one diameter apart; both rows recurved, the anterior slightly but distinctly. Legs clothed with long, pale, oblique or almost erect hairs in both sexes.

♂. Coxa i. with a hook, femur ii. with a groove; coxa and femur of pedipalp with a ridge and groove respectively. Coxa i. with a small tubercle above. Patella of pedipalp with a single, long, curved, apical bristle. Femora of legs without spines beneath; i. with a pair of conspicuous, long, adjacent spines about the middle in front, besides other dorsal spines. Tibia ii. not incrassate, similar to tibia i., without any specialization of spines. Patellæ with a long apical spine. Legs otherwise also numerous spined.

*Palpus*. The bulb bears a long, broad, thin, curved, conspicuous conductor, apically broadened, but not abruptly dilate as in *A. dilatata*; an elongate dilate lamina, not concave on the outer side, its apex forming a short slightly curved point; and a short, stout, curved, serrate or cuspluate stylus.

♀. Legs spinose, with long hairs as in the ♂; femora without spines beneath. Patella with an apical bristle. Lower margin of fang-groove with three teeth. Sternum slightly longer than broad.

*Vulva* consisting of a convex base, concave above in the middle, bearing a small elongate scapus, attenuate when viewed from above, but seen in profile the apex is dilate, forming a circular, oval, thin, flat plate.

*Hab.* MEXICO, Orizaba, Teapa (*H. H. Smith*); GUATEMALA<sup>2</sup> (*Sarg*<sup>3</sup>, *Peckham*<sup>4</sup>), Encuentros de Boloneb, Tamahu, Cahabon (*Sarg*); COSTA RICA (*Rogers*<sup>1</sup>).

The male of this spider may be distinguished from that of *A. dilatata* by the lamina of the palpal bulb being convex (not concave) and the conductor not abruptly dilate on the outer side at the apex. It appears to be an abundant species in Central America.

### 11. *Aranea dilatata*, sp. n. (Tab. XLIX. fig. 9, ♂.)

Type, ♂, in coll. Godman & Salvin. Total length 5 millim.

*Hab.* GUATEMALA (*Sarg*).

Very like the male of *A. incerta*, but with the lamina of the palpal bulb concave (not convex), while the conductor is abruptly dilate on the outer side near its apex.

### 12. *Aranea helvola*. (Tab. XLIX. figg. 10, 10 a-c, ♀.)

*Epeira helvola*, O. P.-Cambr. Biol. Centr.-Amer., Arachn. Aran. i. p. 24, t. 5. figg. 1, 1 a-c (♂), 2, 2 a, b (♀)<sup>1</sup>; Keyserl. Spinn. Amer., Epeiridæ, p. 221, t. 11. figg. 164, 164 a (♀), 164 b, c (♂)<sup>2</sup>.

*Epeira helveola*, Banks, Proc. Calif. Acad. Sci. (3) i. p. 253<sup>3</sup>.

Type ♂, gynetype ♀, in coll. Godman & Salvin. Total length, ♂ 5.25, ♀ 6 millim.

*Hab.* NORTH AMERICA, California (*fide Banks, det. Marx*<sup>3</sup>).—MEXICO, Ciudad in Durango (*Forrer*<sup>1</sup>); GUATEMALA<sup>2</sup>.

### 13. *Aranea nigrocincta*, sp. n. (Tab. XLIX. figg. 11, 11 a, ♂; 12, 12 a, b, ♀.)

Type ♂, gynetype ♀, in coll. Godman & Salvin. Total length, ♂ 3.5, ♀ 5 millim.

♂ ♀. Carapace dull orange-brown, suffused with blackish in front; mandibles blackish; legs and sternum orange-brown. Abdomen globular, appearing pure white, owing to the numerous cretaceous spots, having a broad black zone in front. Posterior row of eyes slightly recurved, anterior row straight; central quadrangle narrower behind.