

before reaching the green humeri, and posteriorly before reaching the green scutellum (the spines of which are brown); between the scutellum and the root of the wings, on each side, there is a triangular green spot pointing forward, but not reaching the suture; another green spot in the angle formed by the mesothoracic with the dorso-pleural suture; metanotum black; the pleuræ are party-coloured with black and green; a large green spot above each of the front coxæ; an oblique green band running from the humerus towards the mesosternum, and emitting anteriorly a branch towards the front coxa; a large elongate spot in front of the mesopleural suture, contiguous on one side to a similar spot below the sterno-pleural suture, on the other to the green spot on the mesonotum; hypopleura and metapleura for the most part green; a green stripe across the pteropleura; sternum black. Abdomen black, with a green border (which is broader on the dorsal than on the ventral side) running around it; a green cross-band on the second segment, and a less distinct one on the third. Legs, including the coxæ, black; base of the femora and the first joint of the tarsi white; the tip of that joint, however, is black, as well as the extreme root; the white of the front tarsi is dingy. Halteres pale yellow, the knob green. Wings hyaline; stigmatic region brown; apex with a distinct grey tinge. A single male.

N.B.—The hind metatarsus has a distinct swelling on the underside, probably a sexual character.

2. *Rhaphiocera caloptera*, sp. n., ♂.

Thorax green, with black stripes; both the submarginal and the discal cells brown; apex and hind margin of the wing with a pale brownish tinge; femora brownish-yellow, the tibiæ and tarsi darker, the first joint of the four hind tarsi white, except at the tip.

Length 14 millim.

Hab. MEXICO, Paso del Macho (*Höge*).

Male. Head and thorax green; a black spot above the antennæ, another in the middle of the front, contiguous to the eyes, and a third on the occiput, including the ocelli; antennæ brownish-yellow; arista whitish. Mesonotum black, with four green stripes (the intermediate ones abbreviated posteriorly, a little before the scutellum, and incurved anteriorly towards the green humeri; the lateral ones, between the mesothoracic suture and the humerus, do not quite reach the latter, and run somewhat obliquely, leaving a narrow, acutangular black strip between them and the pleura); post-alar callosities green, this colour extending also a little in front of them; scutellum green; metanotum black; mesosternum with a large black triangle in front of the middle coxæ, its bifid apex not reaching the front femora; an elongate black spot under the root of the wing (on the pteropleura), another above the middle femora. Abdomen brownish, with narrow green borders; the second segment with an indistinct green cross-band at the base; venter brownish. Front coxæ green; hind coxæ with a large brown spot at the base, greenish at the tip. Femora brownish-yellow; tibiæ brownish,