

DESCRIPTIONS OF NEW SPECIES OF CECIDOMYIDÆ.

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Asphondylia solidaginis, sp. nov.—Male and female. Eyes black. Face and posterior portion of the head sordid-orange, with a few long black hairs. Neck orange. Thorax above slaty-brown, with short whitish hairs in the two longitudinal grooves, and with rather long brownish hairs along the sides. Scutellum slaty-brown. Sides of thorax dull orange, marked with black. Abdomen dull slaty-brown, sparsely covered with short appressed whitish hairs; junctions of segments dull orange; under side wholly dull orange with whitish hairs. Legs of female black, femora whitish basally, junctions of femora and tibiæ narrowly white: first joint of tarsi pinkish-white. Legs of male paler than in the female, somewhat pinkish in certain lights, and with the white band on the junction of the femora and tibiæ less distinct. Wings densely covered with blackish scales. Halteres dull orange, with brownish-black scales. Length of male, 2.50 to 2.75 mm.; of female, 2.50 to 3 mm. Expanse of male, 4.50 mm.; of female, 6 mm.

Gall.—Monothalamous. Pale green, rounded somewhat, blister-like, much broader than high, single, or two or three in a row coalescing. Inside it is white, and contains a large larval chamber. It is formed between two, three or four leaves fastened together, the gall protruding on the upper and under side of the leaves. Width, 2.50 to 3.50 mm.; height, 2 mm.

Habitat.—Fort Lee, New Jersey; Staten Island and Bronx Park, New York City; Valley of the Black Mts., North Carolina (W. B.); Ithaca, New York (J. G. Needham).

Very common in certain localities.

The gall is evidently formed in the young buds of the plant when the immature leaves are galled by the larva, and remain fastened together as the leaves develop and become mature. The gall becomes mature late in June and early in July. The larvæ transform in the galls, and the flies emerge early in July. The gall is found on the Golden-rod (*Solidago serotina*), and it seems to be confined to this species of plant.

Cecidomyia lysimachia, sp. nov.—Male and female. Eyes black; face and posterior portion of the head white. Antennæ brown. Thorax