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NOTES ON SOME SPECIES OF CECIDOMYIIDÆ.

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Dasyneura hirtipes Osten-Sacken.

Cecidomyia hirtipes OSTEN-SACKEN, Mon. Dipt. N. Am., Vol. I, 1862, p. 195; Glover, MSS. Notes, Dipt. 1874, p. 8; Bergenstamm and Loew. Verh. zool. bot. Gesell. Wien., Vol. XXVI, 1876, p. 47.

Dasyneura hirtipes ALDRICH, Cat. N. Am. Dipt. 1905, p. 155.

Male and Female.—Head red, clothed with red scales; antennæ brown. Neck red; thorax above, smooth, polished, blood-red, blackish above with a few erect brown hairs, pleura marked with black; scutellum red. Abdomen bright scarlet red with blackish appressed scales. Legs wholly black; coxæ reddish. Wings with a dense blackish pubescence. Halteres reddish or orange, the club black. Expanse 5.5-6 mm. Length 3.5-4 mm.

Gall.—Polythalamous, large bud-like and solid when immature, with a number of aborted leaves surrounding it. When mature, it is soft inside and filled with a white foam-like substance, in which are a number of long, narrow, larval cells. When the flies are ready to emerge, the gall bursts open and it is then of the appearance of a miniature cauliflower; the large white center surrounded by the dark green leaves, giving it the appearance of that plant. Diameter 50 to 25 mm.

The gall is formed at the tip of stunted stalks of the fragrant golden-rod (*Solidago graminifolia*) in June and July. When old, the white foam-like internal substance decays and the gall is then hard, woody and hollow inside, with a large opening on top. It remains on the bushes in this state over winter. I have collected the gall of *C. hirtipes* at Fort Lee, New Jersey, late in June, from which the adults began to emerge on July 6.

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