

short, pale. Legs with the coxæ pale yellowish brown; trochanters and femora dull yellow, the tips of the latter narrowly dark brown; tibiae yellowish brown, passing into dark brown at about mid-length; tarsi brown. Wings strongly tinged with gray, sparsely marked with brown and subhyaline; small brown spots and seams at the arculus, origin of the sector, along the cord, and the outer end of cell *1st M*²; stigma pale, rectangular; subhyaline drops as follows: before and beyond the stigma; end of cell *R*⁵; cell *1st M*²; a few small droplets in cells *M*, *Cu*, and *1st A*. Venation: *Sc* short, ending opposite the origin of the sector; *Sc*¹ slightly retracted from the tip of *Sc*¹; *Rs* long, strongly arcuated at origin, about twice the length of the deflection of *R*⁴⁺⁵; *r* at the tip of *R*¹; cell *1st M*² very long, closed; outer deflection of *M*³ about twice the length of *m*; *M*³ beyond *m* but little longer than that portion of the vein before *m*; basal deflection of *Cu*¹ just beyond the fork of *M*.

Abdominal tergites dark brown, the caudal margins of the segments pale; sternites pale brown. Hypopygium with the pleurites long and slender, about twice the length of the appendages; ventral pleural appendage terminating in a slightly curved cylindrical point.

Habitat.—California.

Holotype.—♂, Alameda, Cal., May 26, 1915, (M. C. Van Duzee).

This fly bears a superficial resemblance to *Rhipidia fidelis* O. S., but may readily be distinguished by the structural details.

Erioptera (Erioptera) pilipennis, new species.

Related to *E. laticeps* Alex.; wings with a sparse pubescence in the apical cells.

Female.—Length 3.2 mm.; wing 5 mm.

Rostrum, palpi and antennæ black. Head dark gray.

Thorax dark gray, the pleura a little brighter. Halteres pale. Legs with the coxæ and trochanters brownish yellow; femora dark brown, more yellowish basally; tibiae and tarsi dark. Wings grayish; veins dark brown; a distinct though sparse pubescence in the centres of the apical cells from *R*² to *Cu*¹, inclusive. Venation: almost as in *E. laticeps* but *Rs* longer; *R*²⁺³ longer; *r*.