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HYPENA SCABRA (FABR.) AND H. ERECTALIS, GUEN.

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In the examination of my last season's collections of *Hypena scabra* (*scabralis*, Guen.) and "*H. erectalis*," for sexual determinations, I was surprised to find of the former, only the male represented, and of the latter, only the female. Collections of each having been made during the same period of time (from September 1st to September 24th) and at the same place (the wall and ceiling of the piazza of my residence)—such a remarkable occurrence seemed to be so removed from accident, and inexplicable from any difference of sexual habits, that I was led to suspect the identity of the two species. On referring to my cabinet, I there found individuals labelled as ♂ and ♀ of each species; but, on a critical review of these determinations by an infallible method of distinguishing sex in the Heterocera, viz., the structure of the *frenulum* (simple in the male and compound in the female), my "♀" *scabra* proved to be a ♂, and my "♂" *erectalis* a ♀. Among my duplicates of the collections of several years, the same result obtained. Mentioning these facts to my friend, Mr. Meske, of this city, he was quite positive of having in his cabinet the sexes of each species, but he subsequently found that a *frenulum* inspection of all his examples gave him only one sex of each form. There was, therefore, no longer room for doubt of the identity of the "two species"—that "*erectalis*" is only the female (though uniformly smaller) of *scabra*.

It is interesting, in connection with the above, to notice that Guenee, in his description of *scabralis*, refers to seven ♂'s under his observation, and says, "Je ne connais pas la ♀." Of *erectalis* he says, "3 ♂, 1 ♀." Mr. Grote (Trans. Amer. Ent. Soc., iv, p. 102) cites ♂ and ♀ of *erectalis*