

SOME PLANT-LICE AFFECTING PEAS, CLOVER AND LETTUCE.

BY E. DWIGHT SANDERSON, NEWARK, DEL.

(Continued from page 39.)

LETTUCE APHIDS.

Nectarophora lactuæ, Walk.

(Pl. III., 8.) Several writers have listed *S. lactuæ*, Kalt. as an American species. That of Thomas is noted below. Dr. J. B. Smith gives the species in his Insects of New Jersey. Whether the species occurs in this country or not is open to question. It should be noted here that Kaltenbach's *Aphis lactuæ* is a *Rhopalosiphum*. Buckton gives both *Siphonophora lactuæ*, Kalt. and *Rh. lactuæ*, Kalt., though Kaltenbach described but one species. Walker (Ann. and Mag. Nat. Hist., Ser. 2, p. 49, 1849) in his description of the species confused it with *Rh. lactuæ*, Kalt., as Passerini has pointed out. Walker described it as *Aphis lactuæ*, Linn. and as a synonym of *A. lactuæ*, Kalt., though Kaltenbach had already shown *A. lactuæ*, Linn. to have been invalid, and that his species was entirely distinct. Walker also gives *A. ribis-nigri*, Mosley (Gard. Chron. I., 684) as a synonym. Mosley's description is hardly recognizable, but evidently is the same as some of the varieties described by Walker, both undoubtedly referring to *Rhopalosiphum ribis*, Linn., and *Myzus ribis*. Unfortunately, Walker describes only the coloration of his species. Part of his species is evidently, however, *N. lactuæ*. Passerini's description is too brief to be recognizable, but probably refers to the same species, as Buckton thought. Why Buckton described the species as *S. lactuæ*, Kalt., is not clear. Buckton follows Walker in giving *Ribes nigrum* and *grossularia* as food-plants, and remarks that Walker states that the cornicles are enlarged at the middle, but does not otherwise seem to confuse the species with others as did Walker. Mr. Buckton has kindly loaned me specimens which correspond very closely with his description. The slide is labelled, "(18) *A. R. Siphonophora lactuæ*," and "*S. lactuæ*, Walk." They are as follows:

Winged Viviparous Female.

Length, 2.32 mm.; width, 0.82 mm.; antennæ, 3.10 mm.; III., 0.73 mm., IV., 0.50 mm., V., 0.41 mm., VI., 0.12 mm., VII., 1.11 mm.; Tibia, I., 1.35 mm., II., 1.45 mm., III., 1.85 mm.; Cauda, 0.19 mm.;