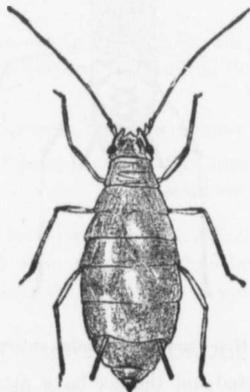


(FIG B).

The Hop Plant Louse, third generation on plum—the generation which flies to the hop.
Head below at right. Both enlarged.

which never acquire wings and never leave the plum tree. By the time this generation has matured, which requires but a few days, varying according to the temperature, belated winged individuals which are the true males (Fig. D.) fly in from the hop fields. These fertilize the wingless true females upon



(FIG C).

The Hop Plant Louse, true sexual female—enlarged.

the plum leaves, and these soon thereafter lay the winter eggs. Thus, there is but one generation of sexed individuals produced, and this at the close of the life-round—the females wingless on plum trees; the males winged on hops. All intervening generations are composed of virgin females only (parthenagenetic). This is the invariable round of the insect's life.