

APPLE PLANT-LICE (*Aphis*), Figs. 20-23. There are at least three species of Plant-lice affecting the Apple in this Province, namely, the Apple Aphis (*A. mali*), the Rosy Apple Aphis (*A. malifoliae*), and the Woolly Aphis (*Schizoneura lanigera*). The first two infest the tender new growth of the branches and the leaves, which they injure very much by sucking the juices and thus checking the development of the shoots and causing the leaves to shrivel. They are minute pear-shaped creatures, soft-bodied, green, pink or blackish in color, destitute of wings for the most part until the autumn, when the winged forms appear. The third



Fig. 20. Winged and wingless Aphis—greatly enlarged.

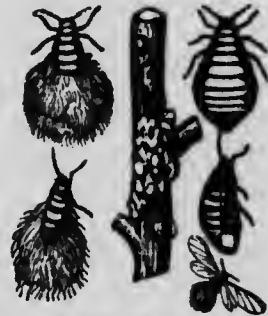


Fig. 21. Woolly Aphis of the apple; much enlarged, except twig.

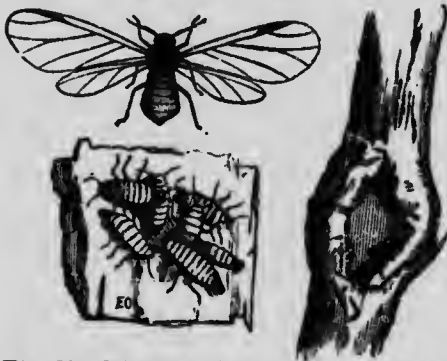
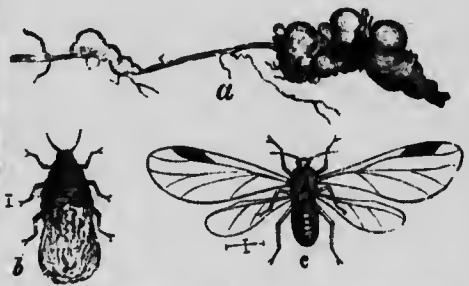


Fig. 22. Woolly Aphis of the apple; Fig. 23. Apple-root Aphis; a, distortions on a root; b, woolly wingless form; c, winged Aphis—greatly enlarged.



species, the Woolly Aphis attacks the roots of the Apple, producing knots and swellings and doing much injury, and also is to be found in colonies on limbs and branches, especially where there is any exudation of sap from cuts or wounds in the bark. They are covered with a delicate white material which looks like cotton-wool and gives the special name to the insect. As these minute creatures live entirely by suction, it is impossible to poison their food, but they may be got rid of by substances