



Fig. 33. Apple leaves affected with Leaf Spot (*Phyllosticta pirina*).

BLACK ROT (*Sphaeropsis malorum*). Fig. 35. This is a serious pest of ripe apples. It attacks the leaves, twigs, stems and fruit. On the leaves it appears as little brown spots much like the Apple Leaf-Spot disease. On the twigs or stems it appears as blackish spots and the fruit when attacked turns at first reddish brown and later black. The spores consist of minute black bodies just under the skin. It differs from Bitter Rot in not having the spores arranged in concentric rings. Bitter Rot attacks the green fruit, while the Black Rot only attacks the ripe fruit, and has no bitter taste. Diseased fruits should be destroyed wherever they may be found. The treatment which is used for Apple Scab is also recommended for Black Rot.

POWDERY MILDEW (*Podosphaera leucotricha*). This species of Powdery Mildew often does much injury to young seedling Apple-trees. It appears as a powdery-like covering over the surface of the leaves. In late summer small black bodies appear on the leaf; these contain the winter spores of the fungus. Spray the seedlings shortly after buds open and at intervals of three or four weeks with Bordeaux mixture.