

which close up their breathing pores and suffocate them. Kerosene emulsion applied as soon as they are observed in the spring, and repeated whenever the colonies reappear, is an effective remedy. Tobacco decoction and whale-oil soap may also be used with good results, and are to be preferred where only a few trees require to be treated. The underground form is very difficult to get at, but may be destroyed with bisulphide of carbon poured into holes made in the ground above the infested roots and then covered up.

SCALE INSECTS.

The most dangerous enemies of fruit-trees are undoubtedly the Scale Insects, of which we have several destructive species in Canada. The worst of these is certainly the notorious SAN JOSE SCALE (*Aspidiotus perniciosus*), Fig. 24, which is now firmly established in the Niagara fruit district and in the Counties of Essex and Kent; it will probably also be found in some other localities. So much has been published respecting this insect in the Reports of the Entomological Society of Ontario and in the agricultural and horticultural periodicals, and the pest has become so widely known, that it is unnecessary to enter into any details here. While its extermination is hardly to be expected, it can be kept under control and even got rid of in an orchard by persistent and careful spraying with the lime-sulphur wash, provided that it is properly made and

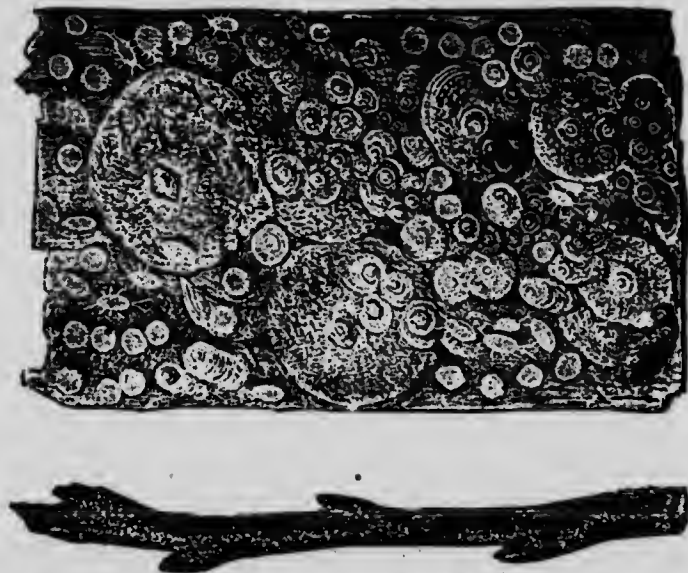


Fig. 24. San José Scale.