

62 cents per barrel. If free from spot the same variety would have sold readily for 75 cents per bushel. Out of 15 barrels he had:—

First-class	0 bbls.
Second-class	1 "
Third "	4 "
Fourth "	10 "

The reduction in value in the selling price is only one side of the question. When the loss resulting from diminished size is considered it fully equals the first source of loss, making a total direct and indirect depreciation of value, which, when compared with first-class fruit, would stand as about 1 to 4.

The importance of gaining a practical knowledge of the habits of this fungus is manifest, and it is a matter of immediate and vital interest to all fruit-growers to know that a treatment which promises to be entirely successful has been discovered, and is already being used to a considerable extent.

CAUSE OF APPLE SCAB.

The apple scab is caused by a minute parasitic fungus, a low form of plant life, which, by living on the leaf and fruit of the apple, prevents assimilation in the former and the development of the latter. It is not so generally known that the same fungus attacks both the leaves and the fruit. Prof. Scribner* says: "On the leaves the first manifestations of the presence of the parasite are the appearance here and there over the surface, of smoky olive green spots, rounded in outline. The older spots range from one-eighth to one-half an inch in diameter, or they may appear as large irregular blotches, by the running together of several of the spots first formed. They are for the most part confined to the upper side of the leaf, which often becomes much distorted through the unequal development of the two surfaces. The colour of the older spots is nearly black and their surface somewhat velvety. The growth of the young shoots is often seriously checked through the direct action of the fungus upon them, and when the foliage of a tree is much affected its nutrition must be seriously impaired. The tree is rendered less liable to withstand the severe cold of the winter season, and is rendered more likely to injury from early and late frosts." Cool damp weather is especially favourable to the develop-

* Scribner, Fungus Diseases.

* Gall