

A NEW AND EFFECTIVE SPRAY.*

LIME, SULPHUR AND SALT.

VIEWS OF MR. GEO. E. FISHER, INSPECTOR.

IF we could discover a cheap and effective spray that would combine the qualities of both an insecticide and fungicide, it would certainly be a great relief to our fruit growers.

Whale oil soap is very expensive, when a large orchard is to be treated, costing, at the very lowest count, over \$3.00 per hundred pounds, and while crude petroleum is an effective insecticide, it must be applied with great care or the trees will suffer injury.

The appointment, by the Department of Agriculture, of Mr. G. E. Fisher as provincial inspector of San Jose Scale was a most judicious one, for this gentleman is possessed of such tenacity of purpose and thoroughness of investigation, as is gaining for him a mastery of details, superior even to many persons of professional pretensions.

In his opinion, the spray of lime, sulphur and salt, used with success in California, will be of great service to us, possibly displacing the expensive Bordeaux mixture, and proving effective both for destroying insects and fungi. He does not advocate a winter application, but advises the first spraying as late as possible before the opening of the buds.

The following report of his experiments was given us by Mr. Fisher and will be of great interest.

"Lime, salt and sulphur, the popular Californian remedy, was tried and gave very encouraging results, both in killing the scab and in cleaning up the tree, under what are commonly accepted as most adverse weather

conditions. Fifteen large peach trees were treated with a mixture of the proportion of thirty-five pounds lime, fifteen pounds salt and fifteen pounds sulphur, with enough water to make forty gallons of wash. This



FIG. 2246. Showing tree treated on one side; appearance when dormant. The right side of the tree shown was sprayed and the left side was unsprayed.

* The spray used in the illustrations is the Bordeaux, but the lime, sulphur and salt appears to be equally effective and much more economical. (Ed.)