

was placed in a small glass and in this drop of liquid, were placed spores of some fungus, as the black spot of the apple. By using Bordeaux of various ages (if you will allow the expression) it was found that while no spores would germinate in freshly prepared Bordeaux, yet in that which had been mixed for nearly a month, the spores would germinate quite readily. These results are not to be considered as final until they have been verified by further tests in the laboratory and orchard, yet other investigators have in a different way, arrived at the same conclusion, Prof Beach, of Geneva, N. Y., being credited with saying that Bordeaux should not be used after it has been mixed for 48 hours. These facts may easily explain many of the failures which have attended the use of Bordeaux and certainly the evidence is sufficiently strong to warrant great care in the matter of using old Bordeaux.

In respect to the use of a simple solution of copper sulphate as a fungicide on dormant trees, some experiments undertaken at the school last spring, show conclusively that in using a solution of 4 pounds of copper sulphate to 50 gallons of water, the usual strength, there is not the slightest danger of injuring the trees, even though the buds have begun to swell considerably. But whether it is a fact, as is claimed by some investigators, that Bordeaux will adhere longer than the simple solution, and if it is a fact whether it is a sufficient advantage to offset the greater labor of preparing Bordeaux has not been conclusively determined so far as I know. I am, however, of the opinion that the fact that Bordeaux is readily seen on the tree, while the solution is not, has led to the belief that the solution was soon washed from the trees.

And now, in closing, a word as to that greatest of all bug-bears to the fruit grower at the present time, the San Jose scale. We do not know that it is as yet in the Province of Nova Scotia, and we sincerely hope it is not, for it is not needed. Yet it ought certainly to be a relief to those who have thought that the scale was to bring about the extinction of the fruit industry, as it is claimed that the grip is to extinguish the human race, to find that the year which has elapsed since we last met, has diminished, rather than augmented the fear of this foe. And we have the satisfaction of knowing that the best talent of our brothers in