

spray pump in the usual manner and these insects can be destroyed in the same way. Those insects that trouble house plants can be destroyed also with the emulsion.

Now in regard to

SPRAYING TREES.

I know by personal experience that it is too much trouble. We either have not the time to spare, or we are too lazy, and let our trees be ravaged by insects year after year. I want to make a suggestion in regard to this. It is that our gardeners should do this work for us. Those that cultivate flowers and fruit, would be only too glad, I am sure, to pay a man if he would come around and spray our trees for us. I hope the gardeners of our town will take this matter up and act upon it. It would be a great blessing to those of us who are either too busy, or too lazy, to do it ourselves. However, if you do not come under this classification and do it yourself, be sure and put on an old suit of clothes.

I will now just refer to one or two other matters. There has been a very remarkable case of interest to ourselves in California. You all have heard of what a wonderful country California is for fruits. California fruit growers have been suffering from a scale insect that invaded the State a few years ago. In their trouble they sent for assistance to the department at Washington, and Professor Riley proceeded to investigate. (I have no hesitation in saying that Professor Riley has done more in making the habits of insects known than any other person in North America or even the world.) He knew it must have come from some other part of the world. He at once took up the study of this scale insect. He found that the Californians had been importing fruit trees from New Zealand and Australia, and came to the conclusion that the insect must have been imported with the trees. However, in Australia and New Zealand the scale was scarce, and the inference was that there must be something that kept it in check. He asked the authorities at Washington to send over a couple of men to Australia and New Zealand to investigate and find what was keeping it in check. The Department would not grant his request. However, he succeeded in another way. There was to be an international exhibition at Melbourne and the American Government were sending over representatives. He succeeded in getting two of his own men appointed, and when they got there I can assure you they did not spend much time at the exhibition but in searching for this insect. They found that a little beetle called a "lady bird" was keeping them in check. They sent some of these lady birds over to Mr. Riley by mail and he had them placed on some trees where the scale insects were at work, with the result that they soon cleared the trees of them. More were then sent from Australia. Now they are not troubled with the scale insect at all. This, I consider was a great triumph for entomology. But some things that are imported do harm instead of good, like the English sparrow for instance.

The same thing is now being done in Western Virginia. The forests were being invaded by some noxious insects. So they imported some insects they thought would destroy them from Germany. In a large forest you cannot watch the results as closely as in an orchard, but I believe the experiment there also will be successful. I only mention this as an example of what has been done by entomology.

Before I sit down, I want to speak about another matter. It is that every person should have a hobby of some kind. I have derived a great deal of pleasure from the study of entomology. I would like particularly to impress upon you the importance of having a hobby. You, who are confined all day, take up something that is entirely different from your regular occupation for your spare moments. What I would like you to do, and especially the young ladies of the town, is to study some branch of natural history.

Some time ago I had a talk with Lady Aberdeen on this subject. She is very much interested in the welfare of this country and its people. We were talking about this matter, and I was deploring the lack of this sort of study by our young ladies. In England it is quite common but not in this country. There are plenty of ladies in Port

Hope who would
thing of this kind
am glad of this

One study
again, collecting
that something
a walk for exercise
at every step;
collection. I
natural history

I might mention
Ormerod. The
is the standard
Russia, India
devotes her whole
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In closing
pleasure by study

Mr. T. H.
was then introduced
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