

## APPENDIX No. 1

Q. Have we any in Canada ?

A. There was great loss in 1899, and some damage the year before last, but not any last year.

*By Mr. Kidd:*

Q. At what time does it strike the plant ?

A. When the plants are in flower, and it remains on sweet peas right up to the autumn. It has now disappeared, and, from the fact that it was never observed until 1889, I hope that it will lie many years before it appears again.

*By Mr. Ross (Ontario):*

Q. You are taking steps to spread this information about the means of treating the pea bug ?

A. Yes. Your suggestion has been carried out, and we have prepared a leaflet on the subject. The remedy is well proved, and is a practical one, which anyone can apply for himself.

## THE POTATO-STALK WEEVIL.

During the past year there were two new insects which appeared in Canada that we have not had to deal with before. I am glad to say neither of them is of very great importance. One of these also is another kind of weevil, the Potato-stalk Weevil, which attacked the potato crop, on Pelee Island, where potatoes are an important crop. The year before last they exported about 30,000 bushels of potatoes, but last year there was not a single bushel exported, because this insect appeared and destroyed the crop to such an extent that they have hardly enough for their own use. It is a small beetle, that lays its eggs in the stem of the potato. These eggs hatch into little grubs, which burrow up through the stems, and, the stalks and leaves being destroyed, no potatoes can be produced, because the potatoes are formed from the nourishment which is taken in through the leaves, where it is converted into starch and stored away in the tubers. The stems having all been destroyed, no potatoes could be formed. This insect passes the winter in the potato stems ; so, if these are all burnt at once when the crop is dug, the insects are all killed.

## POTATO ROT.

*By Mr. Wilson:*

Q. In our district there was a large quantity of potatoes rotting in the cellars last year. What was the cause of that ?

A. That was probably the potato rot, a fungus disease.

Q. Is there any way of remedying that ?

A. Undoubtedly. It is a disease which can be controlled to a very large extent by spraying the potato vines during the summer, with Bordeaux Mixture. It appears about the first of August, particularly in low lying localities where there is not very good drainage, and where the water lies, so that the air is damp.

Q. How can you tell when the disease is attacking the potato ?

A. It shows itself as rust on the leaves, about the first of August, and you can tell at once by the musty smell from the fields. The potato rust appears at that time, and the rust on the leaves is exactly the same disease in another form as that which later in the year develops into the potato rot of the tubers. It appears first on the