

## THE PROBLEM OF STOCKS FOR AMERICAN FRUIT GROWERS.

By B. T. Galloway.

For a good many years the Office of Foreign Seed and Plant Introduction of the Department of Agriculture has been engaged in bringing in plant material that gave promise of value for stocks. Special attention has been given to fruit stocks, particularly stocks for the apple, pear, peach, apricot and plum. Since 1898 something over 400 types of pears have been introduced and disseminated. Many types of peach and plum have also been introduced and have been placed in the hands of specialists and others for work in connection with securing disease and insect resistance, soil and climatic adaptability, and congeniality.

Recently the Federal Horticultural Board announced a proposed quarantine on nursery stock and other plants and seeds imported into the United States. On and after June 1, 1919, all plants and plant materials will be excluded except two groups one of which will be admitted without restrictions and regulations and the other with restrictions and regulations. Fruits, vegetables, cereals, and other plant products imported for medicinal, food, or manufacturing purposes; and field, flower, and vegetable seed will have unrestricted entry, - unless on account of some dangerous disease or insect, when there may be issued either a temporary or permanent quarantine. It is conceivable, for example, that there might be a disease affecting the lemon in a foreign country which would make it necessary to quarantine against that country. The Federal Horticultural Board has issued a number of these special quarantines and will no doubt continue to issue them in cases of emergency.

## PLANTS ADMITTED UNDER RESTRICTIONS.

The plants and plant materials that will be allowed to come in under restrictions and regulations are lily bulbs, lily of the valley, narcissus, hyacinths, tulips, and crocus. In case any of these materials are packed in sand or soil, the sand or soil must previously be sterilized by heat in a manner satisfactory to the Board. Seedling fruit stocks, cuttings, scions, and buds of fruits for propagating will also be admitted under regulations, together