

foliage more healthy than that of the trees unsprayed. This success, however, can only be attained by early and faithful application, for the action of the poison is largely preventive by destroying the life germs as they germinate, and by coating over the fruit and foliage so that they become impenetrable by spores of diseases. He also found an increasing benefit year by year from spraying,



FIG. C55.—PROF. L. H. BAILEY.

because the disease germs seem to grow gradually less in number. The recipe for making Bordeaux mixture, given by Prof. Beach as the latest, was as follows :

Dissolve four pounds of copper sulphate in water, nearly filling a forty-five gallon cask. Next make a whitewash or cream of freshly slaked lime. Have on hand a small bottle containing a saturated solution of yellow prussiate of potash (ferro-cyanide of potassium) in water. As you add the lime to the copper sul-