

# The Canadian Entomologist.

VOL. XVI. LONDON, ONT., SEPTEMBER, 1884

No. 9

## SCOLYTUS RUGULOSUS IN BRANCHES OF PEAR TREES WHICH WERE KILLED BY PEAR-BLIGHT.

BY DR. H. A. HAGEN, CAMBRIDGE, MASS.

During the years 1882-4, large branches of young pear trees in Cambridge, Mass., were killed by pear-blight. The next year other branches were affected and killed, and finally the whole tree succumbed. All trees had been in good and healthy condition. The branches were more or less densely covered by a Coccid, determined by Prof. J. H. Comstock as *Chionaspis furfurus* (A. Fitch), described and figured in his Report for 1880, p. 315, pl. 17, f. 1. The Professor thinks it much more probable that the branches were killed by the Scolytid (directly to be mentioned) than by the Coccids, and I believe this opinion is justified by the fact that other pear trees and apple trees near by are also covered by the same Coccid and are nevertheless in a healthy condition.

The branches were densely inhabited by a Scolytus, which Dr. G. H. Horn determined as *Scolytus rugulosus* Ratzeburg. I was able to compare the beetle with specimens from Germany, which proved to be identical. The species was first mentioned by Dr. J. L. LeConte as introduced from Europe into the U. S., Proc. Amer. Philos. Soc., vol. xvii., p. 626, No. 79. The specimens were received from Elmira, N. Y., attacking peach trees. His collection contains, besides those from Elmira, N. Y., several specimens from Hillshoro, Md. Prof. Chas. V. Riley informs me that he has ready for publication an extended article, with illustrations, upon *S. rugulosus*, and drew my attention to his note in the N. Amer. Entom., 1880, vol. iii., p. 298. The beetles were sent by Mr. J. L. Bennet, Red Bank, N. J. They had for several years destroyed all cherry, peach and plum trees set out on a particular lot at Fair Haven. They did not appear to injure seed fruit as yet, and are confined to a small section. They bore little holes in the trees, which holes fill with gum, and the tree soon dies. Mr. H. Boyè, Coopersburg, Pa., communicated that the same beetle had so profusely stung a young cherry tree, trunk and branches, that it will not recover. Prof. Riley has received it from Hills-