

will be a constant change of air, without draft perceptible to the bees." In setting the hives out in the spring it is only necessary to invert the bottom board again, and all the laborious and dangerous "cleaning out" is done in less than one-tenth of the time, and all danger of robbing or allowing the heat of the cluster to escape averted.

GAINED WEIGHT IN WINTER.

In putting bees in the cellar we are always told: "Put the heaviest stocks in the bottom and the lightest on top." All right, but don't leave them too late without moving them. I left part of my bees in the cellar till the 7th of May.

Fruit trees are in full bloom but the bees are only poking around trying to rob or patiently waiting for Mr. McEvoy's promised honey flow.

J. W. WHEALY.

Kintore, May 20, 1889.

GILBERT M. DOOLITTLE.

BELOW we give a biography of the author of Scientific Queen Rearing taken from Root's A. B. C. the portrait being loaned by the publisher of the American Bee Journal. Gilbert M. Doolittle was born Apr. 14, 1846,



Yours Truly
G. M. Doolittle

when I found the top tier of hives nearly or quite deserted. They were piled four deep and when I came to the last pile I found the top hive empty, having neither bees nor honey. The one below it had a good swarm inside and about two swarms on the outside, while the next below that was a good deal heavier than when put in the cellar. If it were not for starting robbing I could extract 20 or 30 lbs. from it, and then it would have enough to last till midsummer. I have often had bees desert their hives in the cellar, but this is the only time I ever had hives increase in weight when they were in winter quarters.

in Onondaga Co., N.Y. not far from the home of his later years at Borodino, N.Y. During his childhood he often did duty by watching swarms from 10 to 3 o'clock, and at the age of eight was given a second swarm for the hiving. A thief, however, emptied the hive of its contents; and as foul brood prevailed in that region during several of the succeeding years it was not until 1869 he laid the foundation of his present apiary by purchasing two colonies of bees. Like many others he commenced with great enthusiasm, diligently studying all the books and papers obtainable, but, unlike many others, he never allowed his enthusiasm to die out, and is to-day a