



FIG. I.—Larva inside egg much enlarged.

Photo S. Hadwen.

## LARVÆ.

Five larvæ were found under the mucous membrane of the œsophagus on August 15, these were secured from a calf which had been tied up inside since July 29. The measurements are as follows:

3.4 m.m.  
4.4 m.m.  
4.8 m.m.  
3.8 m.m.

The larvæ are similar to those mentioned by Carpenter as being observed by continental writers. They are however quite different from the second stage, described by several writers, in having rows of minute spines on the segments, but, as Carpenter has observed, the spines are small and might readily be overlooked. Four larvæ were secured from the œsophagus of one of the experimental cows on November 14. The last time Warble flies were seen near this cow was on August 2, so that the larvæ would be in the neighbourhood of four months old, certainly not more than five. The first time the cattle were chased by flies was on June 8. The measurements of the larvæ are as follows:—

11.5 m.m.  
9.3 m.m.  
8.8 m.m.  
10.3 m.m.

The immature larvæ recorded here are presumably those of *H. bovis*, as no specimens of *H. lineata* were captured, nor were any mature larvæ of this species found at Agassiz.

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