

August. In the collections at Ottawa there are three specimens which were reared by Fletcher in 1885 from larvæ collected in May, the dates of emergence being Aug. 15, 18 and 22, respectively. From our records of captured specimens, the moths of *Euxoa excellens* are on the wing in British Columbia in the latter half of the month of August and during September. The species is widespread in distribution, being known to occur in the United States, in the States of Oregon, Colorado (in September), and California (in September and October). The species was described from Vancouver Island specimens.

Nothing definite is known regarding the early life-history of the insect. From our present knowledge it would appear as if the winter is passed in the egg stage. Possibly during certain seasons hibernation may also occur in a young larval condition.

#### DESCRIPTIONS.

*Mature Larva.* Length 40 mm. Head 3.0 to 3.2 mm. wide, rounded, pale brown, conspicuously spotted with dark brown; ocelli black. General colour of body, dull grayish-white. Thoracic shield pale brown spotted and blotched with darker brown and divided by dorsal and subdorsal stripes. Dorsal, subdorsal and lateral stripes whitish, all uneven but distinct. Stigmatal band also whitish, uneven, and broken in places. Ventral surface paler than dorsal surface. Tubercles brown, conspicuous, setæ pale. Spiracles black. Anal flap pale brown, blotched with darker brown. Feet pale; the thoracic feet tipped and spotted with brown. Before pupating the markings on the body become faint.

*Pupa.* Length 18-19 mm., width 6.0-6.5 mm., at widest part; colour chestnut brown, shining. Posterior half of abdominal segments mostly finely pitted. The cremaster bears two stout spines in addition to which there are nearby four other smaller spines. The two stout spines and two of the other smaller ones are in a line; the remaining anterior two which are dorsal spines are strongly reclinate.

The earthen cell is similar to that made by other cutworms of the genus. It varies in size from about 20-22 mm. in length, to about 10-11 mm. in width, inside measurements.