

ENTOMOLOGY.

CANADIAN GALLS AND THEIR OCCUPANTS.

DIPLOSIS THURSTONI, N.S.

GALLS found on the upper half of the stems of *Helianthus divaricata*, appearing like a swelling of the stem; symmetrical, varying from ovate to spindle form, the long diameter of gall in the axis of the stem of the plant; color, the same as stem of plant. The measurements of four galls were, 8 x 6 mm., diameter of stem below gall 2; 15 x 7 mm., diameter of stem below gall 3; 13 x 7 mm., diameter of stem below gall 3; 23 x 7 mm., diameter of stem below gall, 3.

The walls of this gall are woody, hard and about 1 mm. in thickness. The interior is filled with a soft, pith-like substance, through which the *Diplosis* larvæ tunnel and on which they feed, and each gall contains from one to ten larvæ.

This is the rarest of the three *Helianthus* galls found here.

One specimen was collected by Mr. Jas. Thurston, April 25, 1892, and banded to me; from this came a ♀ *Torymus*, May 10, 1893.

I made a collection of four galls, September 11, 1893, and put them in a glass jar in the usual way. On April 18, I opened one of the largest of these galls, and found ten orange-colored *cecidomyid* larvæ.

May 20, 1894, two producers emerged, and on June 2, two producers and two ♀ *Torymus*.

The producer of this gall, for which I propose the name *D. thurstoni*, in honor of the discoverer, is of the usual *Diplosis* form and size; the head and thorax are dark grey; the abdomen, velvety black, with six white cross bands, interrupted on the dorsum; the legs are long, and have white annulations.

The first longitudinal vein of the wing is parallel with the costa, and joins it about its middle, near the angle of an