

dinal lines, slightly elevated ridges and ragged transverse elevations, resembling leaf scaurs.

The interior consists of uniform, soft, white pith, through which the larvæ tunnel.

On April 20, 1892, I made a collection of forty-seven galls and placed them in a glass jar; they were pitted with numerous small holes, and many of the occupants had evidently emerged.

On April 24, 1892, several cecidomyid larvæ had emerged, and were resting on the bottom of the jar; they were of a pale orange color, 3 mm. long, 0.4 mm. diameter.

The average size of ten of the largest and most cylindrical of the galls was 35 mm. by 12 mm.; diameter of stems under galls, 4 mm.; of ten of the upper and more spherical, 5 mm. by 4 mm.; diameter of branchlets under galls, 2 mm.

From May 30, 1892, to June 8, 1892, twenty-seven specimens of *diplosis* emerged.

From May 30, 1892, to June 23, 1892, numerous parasites of two species emerged.

On July 26, 1892, full-grown galls were found in growing plants, uniform in color with the stems of the plants; a few plants with galls were transplanted to the garden and carefully watched. *Diplosis* larvæ began to emerge October 15, 1892.

On November 13, 1892, a lot of seventy-three galls was collected from several localities, and all from diminutive plants.

The average size of ten of the largest, from the stems, was 35 mm. by 8 mm.; diameter of stems under galls, 4 mm. Average size of ten of the more spherical, from the branches, 3 mm. by 2 mm.; diameter of twigs under galls, 1 mm. These galls were pitted with minute holes.

From May 11, 1893, to June 19, 1893, numerous parasites of two species emerged—an *Ormyrus* and a *Pteromalus*.

From June 7, 1893, to June 15, 1893, several pairs of producers emerged.

The producer of this gall, for which I propose the name *Diplosis eregeroni*, bears a close resemblance to several of the cecidomyid gall-producers on herbaceous plants, and a recognizable description must be based on a full and careful comparison with these, many of which are undescribed.