

abdomen more elongate, the sides of thorax not dilated and without the fringing of hairs, as in previous species.

PUPA.—Length .12 to .14 inch. Elongate, oval. Pale greenish yellow. Eyes brownish, prominent and situated further forward than in previous species; wing cases not so broad, obtusely rounded before and not projecting forward towards eyes; abdomen more elongate and notched posteriorly; legs pale; and is easily recognized by not being pubescent.

IMAGO.—♂ and ♀. Length .12 inch; wing .14. Pale greenish yellow. Head transverse, not projecting much in front, and with a frontal notch, but not deep; three remote yellow ocelli, situated on yellow ground, two close to but back of eyes, and one in front between antennæ; eyes large and prominent; antennæ 10-jointed, filiform, reaching beyond tip of thorax, two basal joints short and stout, pale to tip of 6th, following joints black; collare transverse, very short, præscutum broadly obcordate; mesothorax has two large deep lateral depressions, extending backwards towards scutellum, with a slight central groove; scutellum triangular; abdomen elongate, pointed; wings hyaline, lanceolate, veins pale greenish; legs, epimeral spines and metasternum pale greenish yellow; basal tarsal joint broadly flattened. The usual structural differences distinguish the male.

THE ILEX PSYLLA.

During a recent short trip to the sea shore, my attention was called (by my friend, Mr. Curtiss) to a gall on *Ilex cassine*, a shrubby tree growing in the rich hammocks along our coasts. These were found on the terminal new leaves, measured from .2 to .3 of an inch in length, and frequently destroyed the whole shape of the leaf. Cutting these open, I found they were caused by a Psylla, and judging from the size of the pupa, is probably the smallest species known. In the galls the young were covered with a mealy powder, very much resembling certain Coccides, and when disturbed do not appear to secrete the watery globules noticed in the previously described species. Below I give description of the stages as far as ascertained:

12. PSYLLA ILECIS, n. sp.

YOUNG LARVA.—Length less than .01 inch, oval, flattened, yellow and pulverulent, with reddish eyes and pale legs.

PUPA.—Length scarcely .03 inch. Yellow, pulverulent; legs and antennæ pale, wing cases well developed and obliquely projecting on either side; abdomen rounded.