

THREE NEW COCCIDÆ.

BY EDW. M. EHRLHORN, MOUNTAIN VIEW, CAL.

Nidularia (?) *californica*, n. sp.

♀ covered with wax resting on a thin white secretion. Colour orange-ferruginous, shiny, varying greatly in size and shape. The average specimens are about 3 mm. long, $1\frac{1}{2}$ wide, and 1 mm. high: generally pyriform, but it is difficult to give any special form, as the insect adapts itself to the position on the plant.

After boiling in K. H. O. derm is colourless, mouth-parts, glands and caudal portion remaining brown. There are indications of antennæ, which are very small and very bristly, segmentation not visible. There are four large disklike spiracles on the ventral surface, each disk contains numerous glands. There is a row of thick, blunt spines on each margin, and one on the dorsum. These marginal spines are shaped like a spear-head set in a socket. With these there are several rows of round spinnerets. Rostrum attached to a prominence, which, however, varies with the position the insect adopts.

End of abdomen strongly chitinized, with the margin strongly crenate and plicate, and deeply cleft in the middle as in *Lecanium*. Numerous round glands scattered near its margin, and several strong spines on margin at intervals. Anal ring with numerous (eight?) stout hairs. On the ventral surface opposite the anal ring there is a round projection with four stout spines. This is inserted in the cleft of the anal lobes.

Hab.—On the roots of Bunch grass, Mountain View, Cal.

Prof. Cockerell has examined specimens, and says that this strange coccid will probably form a new genus.

Dactylopius eriogoni, n. sp.

♀ enclosed in a densely woven white felt sac about $2\frac{1}{2}$ mm. long and 1 mm. broad; also secreting considerable loose cottony matter.

♀ colour light yellow, slightly covered with white powder, about 2 mm. long and 1 mm. broad. Last segment of body with two short white filaments. Legs and antennæ light brown. Young larvæ and eggs light yellow. When boiled in K. H. O. turns brown. Numerous very fine slender spines on dorsum. Antennæ 7 jointed, quite bristly. Sequence of the joints of the antennæ is quite variable. Joint 7 longest, then comes 3, then 1 and 2, but these are sometimes longer than 3. Joint 4 is next, but sometimes joint 6 is longer. Joint 5 is generally shortest. Formula approximately, 7312465.