

A NEW LECANIUM FROM CANADA.

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In a box of Canadian Coccidæ lately sent to me by Mr. J. Fletcher, there are several species of *Lecanium*, including one which appears to be new, and is described herewith.

Lecanium Fletcheri, n. sp.

Belongs to subg. *Eulecanium*.

♀ Scale dark reddish-brown, hemispherical, shiny, not at all elongate, more or less wrinkled or with depressions; posterior cleft short, with one or two filaments of white secretion protruding from it. Length, 2 two-thirds mm., breadth nearly the same; height, $1\frac{1}{2}$ mm. (apex depressed).

Derm yellowish-brown (prepared by boiling in caustic soda); distinctly reticulate, reticulations mostly hexagonal and pentagonal. Gland pits distinct towards the margin, numerous, large, sometimes in pairs. Margin with short simple spines, not very numerous.

Legs very small, ordinary; femur longer than tibia; tibia about $\frac{1}{4}$ longer than tarsus. Tarsal knobbed hairs very long and slender, with distinct though small knobs.

Antennæ 7-jointed; 1 longer than broad, 2 shorter than 1 or 3, 3 and 4 about equal, hardly equal to 1; 5 and 6 equal, and much shortest; 7 about or nearly as long as 5 + 6, and about as long as 2, or a little shorter. Formula 1 (34) (27) (56). The seventh joint has a false joint about its middle, which in one antenna was so distinct that it was difficult not to believe it a true joint. First joint with a long hair, second with two hairs, 4 and 5 each with a hair, 6 with two, 7 with three distinct hairs.

Larva: Of the usual shape, pale-yellowish; caudal filaments nearly straight but with an outward curve, the ends usually bending inwards and crossing. Each side of the abdomen with 7 short hairs. Last joint of antennæ emitting four long hairs. Legs with clubbed digitules about twice as long as the claw, and long tarsal clubbed hairs.

Food-plant: The specimens are labelled, "on Thuja, 'cedar.'"

Hab.: No locality is given by Mr. Fletcher; very probably the specimens were on a cultivated tree at Ottawa.

L. Fletcheri differs decidedly from any species hitherto found on coniferous plants, and seems most nearly allied to *L. quercitrionis*, which it much resembles. Mr. Fletcher sent me some scales on *Quercus Coccinea*, which I believe to be *L. quercitrionis*, Fitch. *L. Fletcheri*, compared with these, is shorter and more globose, and the posterior cleft is decidedly shorter.