

All of the above species, except the first two, have been cited by many authors under various names. The following are some of them:

Lecanium hesperidum, L.—*L. lauri*, Boisd., perhaps is the same.

Asterolecanium hederæ, Licht., was described as *Planchonia hederæ*, and again re-described as *Planchonia Valloti*, Licht., and probably *Asterolecanium massalongianum*, Targ., is the same.

Dactylopius citri, Risso., has the following synonyms: *destructor*, Comst.; *farinosus*, Deg.; *phyllococcus*, Ashm.; *brevispinus*, Targ.

Aspidiotus rapax, Comst. Synonyms: *camelliae*, Sign.; *citri*, Comst.; *evonymi*, Targ.; *lucumæ*, Ckll. and Town.

Aspidiotus hederæ, Vall.—For a long list of supposed synonyms of this species see Prof. Cockerell's first supplement to the Check List of the Coccidæ, 23 in all, after Berlese and Leonardi.

Aspidiotus Crawii, Ckll.—I retain this as being a valid species, although Mr. Marlatt finds it to be *A. cydoniæ*, Comst. He may find something else on the leaf or twig than is indicated by the label, and should not assume that the writer of the label saw it and confused it with the species indicated. Two or more species are often found upon the same leaf and twig. *Aulacaspis elegans*, Leon, found by me on *Cycar-revoluta* in a greenhouse at Lawrence, Mass., had mixed with it on the same leaf *Aspidiotus hederæ*, Vall. Neither can the proportional number be estimated, by any means, by those found on a slide mount.

Chrysomphalus aonidium, L., as *Coccus aonidium*, L.; *Chrysomphalus ficus*, Ashm., and *Aspidiotus ficus*, Ashm.

C. dictyospermi, Morg., as *Aspidiotus dictyospermi*, Morgan, and *C. dictyospermi*, var. *jamaicensis*, Ckll. (*minor*, Berlese).

DESCRIPTION OF A NEW SPECIES OF HÆMATOPINUS.

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Hæmatopinus columbianus, n. sp.

Head longer than broad, semicircular in front, wider and more depressed behind the antennæ, rostrum projecting; antennæ located in front of the middle of the head, the first joint large, deeply set in the border of the head, second joint the longest, third, fourth and fifth nearly equal, fifth slightly smaller; a strong bristle is borne on the postero-lateral angle. The pronotum is short, rather narrow, and the sternal plate is very broadly ovate, almost circular, but the sides posteriorly tapering slightly