

5. **Aulacaspis cattleyæ**, Ckll., sp. n.

♀. Scales white, with the exuviae pale and *marginal or nearly so*. Living female insect plump, *white* (the juices immediately turn bright yellow in caustic soda). Median lobes &c. as in *A. boisduvali*, not as in *A. bromeliæ*. Circumgenital glands: median 8, anterior laterals 11-20, posterior laterals 11-15.

Hab. MEXICO, on leaves of *Cattleya*; found by Mr. A. Craw, 1899, in the course of his horticultural quarantine work at San Francisco.

This is possibly a variety of *A. boisduvali*, but it seems to be a distinct species. It is what has passed as *A. cymbidii* (Bouché), and is figured by McIntire, Journ. Quekett Micr. Club, ser. 2, iii. pl. xxvi. The real *A. cymbidii* of Bouché was said to be from China, and had a yellow female, and the scale "eiförmig, flach, mit excentrischen Absätzen, an der zugespitzten Basis braun." It could hardly have been our insect; possibly it was a *Chionaspis*.

CHIONASPIS, Sign.

1. **Chionaspis citri**.

Chionaspis citri, Comst. 2nd Rep., Dept. Entom., Cornell Univ. Exp. Sta. (1883) p. 100.

Hab. MEXICO: Tampico, San Rafael, Laguna, and Izamal (*Townsend*); Paraje Nuevo in Vera Cruz, April 29, 1898, on orange (*Townsend*); Tlacotalpam, April 21, on orange (*Townsend*).

HEMICHIONASPIS, Ckll.

1. **Hemichionaspis minor**.

Chionaspis minor, Maskell, Trans. New Zeal. Inst. xvii. p. 33.

Hab. PANAMA, outskirts of the city, 1898 (*Dolby-Tyler*).

Described first from New Zealand.

PINNASPIS, Ckll.

1. **Pinnaspis pandani**.

Mytilaspis pandani, Comst. Rep. U. S. Dept. Agric. for 1880, p. 324.

Hab. PANAMA, introduced from Kingston Botanical Gardens, on *Rhysalidocarpus lutescens*, *Thrinax excelsa*, and *Dictyosperma alba* (*Dolby-Tyler*).

HOWARDIA (Berl. & Leon.), Ckll.

1. **Howardia biclavis**.

Chionaspis biclavis, Comst. 2nd Rep., Dept. Entom., Cornell Univ. Exp. Sta. (1883) p. 98.

Hab. MEXICO: locality unknown.

One of Mr. Craw's finds. Lately found also by Prof. Townsend, at Minatitlan, on "chaya," *Jatropha*, sp., April 25, 1898.