

There is no compelling by rough means on the one part and no reluctant yielding on the other. The demonstrations made by the ants are of the most gentle nature, caressing, entreating, and as the little creatures drink in the sweet fluid, lifting their heads to prolong the swallowing with manifest satisfaction and delectation, then lick away the last trace, caressing the back of the segment with their antennae as they do so, as if to coax for a little more, it is amusing to see.

The tubes in this species are white, cylindrical, of nearly even size, rounded at the top, and studded there with little tuberculations from which rise the tentacles. These last are tapering, armed with little spurs disposed in whorls, and stand out straight, making a white hemispherical dome over the cylinder, and none of them fall below the plane of the

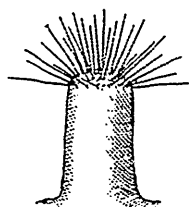


Fig. 8.

base of the dome. Nor do they ever hang limp or lie across the dome, as described by Gueneé in *L. bœtica*. When the tube comes up, the rays are seen rising in a close pencil, and as the dome expands they take position. On the contrary, when the tube is withdrawn, the top of the dome sinks first and the rays come together in pencil again. The expanded tube and its dome are beautiful objects to look upon.

I desire to express my obligation to Dr. J. Gibbons Hunt, of Philadelphia, for microscopical observations made on these larvae. Aided by him, Miss Peart has been able to make several drawings, some of which I give herewith, showing the expanded tube and one of the rays, and the pencil of rays described.

The same organs are found in larvae of *L. comyntas*, and their shape is precisely as in *pseudargiolus*.\*

I stated on page 80 that all the black individuals of *violacea* taken proved to be males. I find no black female of this species, and presume there is none.

Coalburgh, 15th July, 1878.

\* In Newman's British Butterflies, London, 1871, p. 125, I find this sentence quoted from Prof. Zeller: "I could not perceive that these caterpillars (*L. medon*) had a cone capable of being protruded, like that which we find in *L. corydon*, and which the ants are so fond of licking."