

quite evident from consulting Emery's table of the North-American species of the genus ('95, pp. 317,318).

The above very incomplete account of the female is drawn from memory, as the single specimen escaped from the nest before it could be described.

Some of the workers, especially those which approached the queen in size, possessed minute ocelli. This is shown by the following measurements of the four workers still in my collection :

- No. 1. Length 2.5 mm. No ocelli.
- No. 2. Length 2.75 mm. No ocelli.
- No. 3. Length 3 mm. Two ocelli.
- No. 4. Length 3.5 mm. Three ocelli.

This fact is of some interest, as I shall endeavor to show in the sequel.

On the morning of August 25 the ants were transferred to an extemporized Lubbock nest. This consisted of a board surrounded by water, and a little fine, moist earth placed on the board and covered with a pane of glass. A census of the two species of ants gave the following :

Myrmica: 6 dealated¹ queens; 7 males; about 200 workers; a few eggs; 23 larvæ, both young and old (but apparently no queen larvæ); 8 worker and male pupæ. The latter hatched in the course of a few days.

Leptothorax: 1 dealated queen; 4 recently hatched males; 14 workers; 2 adult larvæ, which soon became male pupæ.

The earth with its occupants was dumped from the bag on to the pane of the Lubbock nest, and the ants, after the first flurry of excitement, began to seek refuge under the glass. As usual the larvæ and pupæ were at once conveyed to a place of safety. While this operation was going on, it was noticed that some of the *Myrmica* workers carried the *Leptothorax* larvæ, and the *Leptothorax* workers reciprocated by occasionally

¹I feel compelled to coin this term for use in the sense of the German "ent-flügelt." The term *apterous* cannot be used without confusion, since some ants (*Eciton*, *Dorylus*, *Leptogenys*, *Tomognathus*) have truly apterous queens, whereas the queens of most species of *Formicidæ* have well-developed wings, up to the time of their removal after the nuptial flight.