

FIG. 1. Nest constructed by a female of *Dendromyrmex fabricii isthmicus* Weber for her first brood. The nest was on the under side of a palm leaf whose parallel veins were conspicuous. Barro Colorado Island, Panama Canal Zone.

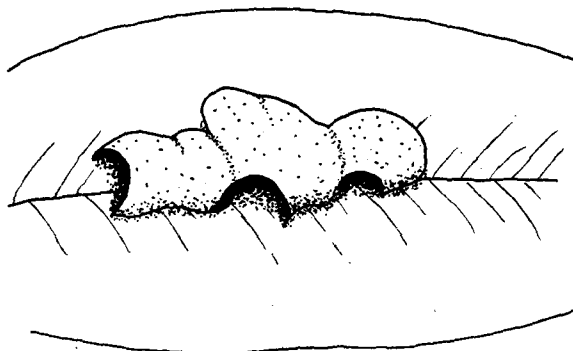


FIG. 2. Nest with three cells and entrances constructed by a colony of *Dendromyrmex fabricii niger* Weber on the under side of a leaf of *Mora* (*Mora excelsa* Benth.). From a sketch made in the field. Courantyne River, Surinam.

A worker was taken on Barro Colorado Island, Panama Canal Zone, June 12, 1938 as it fled, carrying a cocoon, from a marauding file of army ants (*Eciton burchelli* West.). The army ants were crossing a stream with their booty by following up an inclined tree and palm fronds, the file attaining a height of nine feet above the stream. The *Dendromyrmex* probably was driven from its nest in a palm frond but may have nested higher in trees. In life it appeared to have large white eyes but this was due to the white spot on the cheek in front of each eye.

A nest was found at the edge of the clearing in rain forest of the Forest Settlement, Mazaruni River, British Guiana, August 22, 1935 (figure 3). The nest was at a height of six feet in a tree, *Hirtella paniculata* (Rosaceae). When found it was appressed to the top of live leaves but on top of the nest dead leaves were attached which may have represented the original roof of the

nest. The attachment to live leaves forming the floor to the nest may have been secondary, upon the withering of the lower leaves. There were two entrances towards the apical end of the leaf, one surrounding a dead twig which had evidently dropped down from above. A nearby leaf contained an abandoned and damaged nest. The ants were found to be nocturnal, numbers being out on the nest and leaves at night. The brood recovered consisted of cocoons containing pupae which had pigmented eyes and mandibular margins, and larvae, the latter covered densely with a fur of long, fine, multifid (trifid, quadrifid, etc.) or simple hairs. On the same species of plant but about 15 feet away was a colony of *Dolichoderus* appearing somewhat similar. The ants, however, stuck together with carton live leaves and were somewhat less nocturnal.

A nest (No. 493) which Dr. G. C. Wheeler