

received from Mr. J. H. Durrant in the preparation of this volume, which is illustrated by ten plates representing 350 species of Tineina.

43-45. **Diptera.** By Baron C. R. Osten Sacken, S. W. Williston, J. M. Aldrich, W. M. Wheeler, A. L. Melander, and F. M. van der Wulp. 3 vols., pp. viii, 378, x, 489, vii, 127, *with 21 coloured plates.* **£8 net**

Vol. I. By Baron C. R. Osten Sacken, S. W. Williston, J. M. Aldrich, W. M. Wheeler, and A. L. Melander. *Cecidomyiidae-Empidae*. Twenty-four Families of Diptera are enumerated in this Volume—Cecidomyiidae, Mycetophilidae, Bibionidae, Simuliidae, Blepharoceridae, Culicidae, Chironomidae, Psychodidae, Tipulidae, Rhyphidae, Stratiomyidae, Tabanidae, Chiromyzidae, Leptidae, Xylophagidae, Acanthomeridae, Mydidae, Nemestrinidae, Bombyliidae, Therevidae, Cyrtidae, Asilidae, Dolichopodidae, and Empidae. Osten Sacken's work was published in 1886-1887. The Supplement by the American writers Williston, Aldrich, Wheeler, and Melander was issued in 1900-1901, and the editorial Introduction in 1901, on the conclusion of the whole subject. The material examined by Osten Sacken was very meagre, and though more specimens from Mexico were available for the Supplement, yet it was insufficient to give more than a general idea of the Dipterous fauna of Central America. The present volume, therefore, is merely a contribution towards the study of these insects, rather than a complete list of the forms actually inhabiting the region. Altogether, 977 species are enumerated, 330 of which are described as new. The six plates illustrate 120 species.

Vol. II. By F. M. van der Wulp. *Æstridae, Muscidae, and Hippoboscidae*. This volume contains the enumeration of the numerous groups of Diptera known collectively under the name of Muscidae, for which abundant Mexican material collected by Mr. H. H. Smith was available, but the work was only about half finished when the author died in 1899. No other contributor could be found to undertake the groups Agromyzinae, Borborinae, Chloropsinae, Drosophilinae, Ephydrinae, Geomyzinae, and Sapromyzinae, of the Muscidae Acalypterae, and the Phoridae, and the volume was closed as it stood. Pages 429-489, containing the Hippoboscidae and the Supplement to the other families, were published after v. der Wulp's death, although the new species of Muscidae Calyptræ had already been described by him in the 'Tijdschrift voor Entomologie' for 1892. Altogether, 1095 species were named by the author, of which 585 were treated as new, the publication of his work extending from 1888-1900, but the titlepage and Introduction were not issued till 1903.

The thirteen plates include figures of 287 species. Some of the Trypetinae are figured on the plates, others (11) in the text.

Vol. III. By S. W. Williston. *Syrphidae, Conopidae, Pipunculidae, and Platy-*