

6
979
3
nt.
BRITISH ENTOMOLOGY;

BEING

ILLUSTRATIONS AND DESCRIPTIONS

OF

THE GENERA OF INSECTS

FOUND IN

GREAT BRITAIN AND IRELAND:

CONTAINING

COLOURED FIGURES FROM NATURE

OF THE MOST RARE AND BEAUTIFUL SPECIES,

AND IN MANY INSTANCES

OF THE PLANTS UPON WHICH THEY ARE FOUND.

BY JOHN CURTIS, F.L.S.

HONORARY MEMBER OF THE ASHMOLEAN SOCIETY OF OXFORD,
OF THE IMPERIAL AND ROYAL ACADEMY OF FLORENCE,
OF THE ACADEMY OF NATURAL SCIENCES OF PHILADELPHIA, ETC.

VOL. III.

DERMAPTERA. DICTYOPTERA.
ORTHOPTERA. STREPSIPTERA.
HYMENOPTERA, PART I.

LONDON:

PRINTED FOR THE AUTHOR,

AND SOLD BY

F. ELLIS AND CO., 92 GREAT RUSSELL STREET, BLOOMSBURY;

SIMPKIN AND MARSHALL, STATIONERS' COURT; AND

J. B. BAILLIERE, 219 REGENT STREET.

1823—1840.





Bot. Mag. London Jan. 1. 1833

EMPHYTUS FASCIATUS.

ORDER Hymenoptera. FAM. Tenthredinidæ.

*Type of the Genus, Tenthredo cincta Linn.*EMPHYTUS *Leach, Curt.*—*Dolerus Jur., Le Pel. St. Farg.*—*Tenthredo Linn., Fab., Klug.*

Antennæ inserted in front of the face, approximating, half the length of the body, filiform, clothed with short pile and 9-jointed, basal joint cup-shaped, 2nd small, 3rd, 4th and 5th nearly of equal length, the remainder decreasing in length, the apical joint oval (1).

Labrum semiorbicular, pilose and ciliated with long hairs (2).

Mandibles, one forming a long acute tooth at the apex with an obtuse point below, the interior margin sinuated (3); the other elongate-trigonal, less acute at the apex, with 2 obtuse teeth below the centre on the inside (3*).

Maxilla broad, terminated by a rounded, slightly pubescent lobe with a long internal one, pilose, curved and acuminate at the apex. *Palpi* long pilose and 6-jointed, basal joint small, 2nd subclavate, scarcely so long as the 3rd which is linear, 4th the same length and clavate, 5th and 6th shorter, of equal length, the former subovate, the latter slender, linear, and slightly curved (4).

Mentum subrhombiform, truncated before and behind. *Palpi* rather long and pubescent, attached on each side towards the apex, 4-jointed, basal joint the shortest, 2nd nearly twice as long, curved and clavate, 3rd dilated, obtrigonal, 4th as long as the 2nd subovate. *Lip* suborbicular, emarginate on each side at the base, trilobed, centre lobe narrow strap-shaped (5).

Head *transverse*: eyes *prominent*: ocelli 3. Thorax *not broader than the head, globose*. Abdomen *sessile, rather long slender subcylindric, the back slightly angulated*. Oviduct *slightly exerted*. Superior wings with 2 marginal and 3 submarginal cells, the central one being the shortest. Legs slender. Tibiæ simple, anterior short, furnished with 2 spurs at the apex, one dilated and bifid. Tarsi, anterior much longer than the tibiæ, 5-jointed, each joint excepting the last, with a membranous appendage beneath at the apex, basal joint long. Claws bifid near the apex. Pulvilli distinct (8, a fore leg).

FASCIATUS *Le Pel. Mon. Tent. p. 118. n. 346.*—*Curt. Guide, Gen. 470. 5^a.*

Black shining: 2 white spots at the base of the scutellum: abdomen with the 4th, 5th and 6th segments (excepting the hinder margin of the last) orange: nervures and stigma pale brown: tips of posterior coxæ and trochanters white: upper side of anterior thighs towards the apex and tips of middle pair dirty white: all the tibiæ and tarsi bright ochre, tips of the latter and the greater portion of the posterior pair fuscous.

In the Author's Cabinet.

EMPHYTUS is placed between Dolerus and Cræsus (*pl.* 17.); from the former it is at once distinguished by the great length of the first submarginal cell, and from the latter and the Nemati also, by its having 2 marginal and only 3, instead of 4 submarginal cells.

The following are recorded as British species.

1. *E. succinctus* Klug.—*togatus* Panz. 82. 12.—June, July, and August; hedges and woods round London, Mr. Samouelle; and Parley, Dorset, Mr. Dale.
2. *E. cinctus* Linn.—*Jurine, Pl.* 6.—Middle of May, Coomb Wood, and gardens near London, J. C.—Glanville's Wootton, Mr. Dale; hedges and woods round London in June, July, and August.
3. *E. togatus* Fab.
4. *E. melanarius* Klug.
5. *E. vicinus* Le Pel. 118. 347.—Middle of August, Dover, and on leaves of Bur-reeds in ditches, Battersea, J. C.
- 5^a. *E. fasciatus* Le P.—*Curt. Brit. Ent. pl.* 436 ♀.—The only specimen I have seen of this pretty insect, which has never before been figured, I took the middle of June at Glanville's Wootton.
6. *E. rufocinctus* Klug.
7. *E. calceatus* Klug.
8. *E. nigricans* Klug.—*varipes* Le P. ?
9. *E. varipes* Klug.—Beginning of May bred a male out of the stem of a Dog-rose (*pl.* 374.); the larva, which was found by Mr. E. T. Bennett, appeared to be feeding on the pith.
10. *E. coronatus* Klug.
11. *E. luctuosus* Le P. 119. 352.—14th May, Isle of Portland, J. C.
12. *E. gilvipes* Klug.
13. *E. testaceipes* Le P. 119. 351.
14. *E. serotinus* Klug.
15. *E. abdominalis* Le P. 118. 345.—Middle of October on a window, Glanville's Wootton.
16. *E. cereus* Klug.—June, July, and August, hedges and woods, Mr. Samouelle.
17. *E. filiformis* Klug.
18. *E. tibialis* Jur.—*Panz.* 62. 11. ?—*braccata* Gmel.—June, July, and August, Parley, Dorset, Mr. Dale.
19. *E. patellatus* Klug.
20. *E. immersus* Klug.—*pallimacula* Le Pel.—Glanville's Wootton, Mr. Dale.
21. *E. impressus* Klug.
22. *E. ochroleucus* Ste.

Mr. Dale has a species of this genus with seven legs, and I have a fly (*Chrysogaster*) with the same number: in the second volume of Germar's Magazine there is a figure of *Elater variabilis* of similar structure; but the most remarkable perhaps is the *Chrysomela hæmoptera*, *fig.* 5*, *pl.* 111. of British Entomology.

The Plant is *Sparganium simplex* (Less Bur-reed).