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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.

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by J. C. de Sauter Sept. 1. 1826

EULOPHUS DAMICORNIS.

ORDER Hymenoptera. FAM. Cynipidæ *Lat., Leach.*

Type of the Genus Ichneumon pectinicornis Linn.

EULOPHUS *Geoff., Oliv., Lat., Kirby.*—*Diplolepis Fab.*—*Cleptes Fab.*
—*Ichneumon Linn., De Geer.*

Antennæ inserted between the eyes, below the middle of the face, not longer than the thorax, geniculated, 9-jointed in the male, 1st joint long robust, 2nd minute obovate, 3 following filiform, each having a slender, very pilose branch, arising from the base, 6th filiform, the remainder forming an ovate, acute club of 3 joints (fig. 1); simple and 8-jointed in the female, 3rd joint oblong, 4th and 5th oval, 3 following forming a conical elongated club (1 a).

Labrum very minute?

Mandibles with 3 or 4 teeth. *Lat. Gen. Crust.*

Maxillæ membranous, dilated below the palpi (4), forming a concave lobe above (4 a). *Palpi* with a few bristles at the apex, 3-jointed (4 b).

Mentum dilated in the middle (5). *Palpi* 3-jointed, terminated by a few bristles (5 b). *Lip* short, ciliated (5 c).

Head *triangular vertical, as broad as the thorax, with 2 oblique grooves uniting above to receive the basal joint of the antennæ. Eyes lateral. Ocelli 3 in a depressed triangle. Thorax large ovate, prothorax rounded, metathorax sloped off. Scutellum suborbiculate. Abdomen subovate, narrowed at the base, depressed, concave above, margins elevated, apex mucronate in the male unarmed in the female. Wings large, transparent, pubescent; superior with an abbreviated costal cell, the costal nervure branched towards the middle; inferior small sub lanceolate, nerveless. Coxæ posterior very large corneous. Legs subcoriaceous, simple. Tibiæ with a spine at the apex. Tarsi 4-jointed, basal and 3rd joints short in the 4 posterior, 2nd and 4th longer, terminated by Pulvilli. Claws arising behind the apex (8, a fore leg).*

DAMICORNIS *Kirby Linn. Trans. v. 14. p. 112.*

Male. *Antennæ* with the 1st and 2nd joints pale yellow, remainder dull ochre. *Eyes* black. *Head* and *thorax* deeply punctured, aureous green. *Abdomen* smooth, violaceous, black, with an ochraceous spot near the base. *Wings* iridescent. *Coxæ* posterior punctured, aureous green. *Legs* very pale yellow. *Pulvilli* brown.

Female. *Abdomen* with the apex and a large spot at the base ochraceous. *Wings* slightly fuscous in the middle. *Thighs,* posterior fuscous near the middle.

In the Cabinets of Mr. Kirby and the Author.

MR. KIRBY having but one specimen of the male, the legs of which I could not clearly see, and having kindly given me females which I could relax, I have drawn the latter sex of this pretty and rare insect, which perfectly agrees with the former excepting the simple antennæ, the spot on the posterior thighs, and a slight cloud upon the wings. I could not (from the same cause) satisfy myself perfectly of the club of the antennæ being composed of 3 joints in the male as I did in the female, neither do I feel positive that the branches are not articulated. The extreme minuteness of the mouth prevented me from obtaining the labrum and mandibles, which I was very anxious to accomplish as the *Cynipsidæ* are less complete in their organization than most of the Hymenoptera; their wings are nerveless, and their palpi and tarsi composed of fewer joints than usual.

Mr. Westwood having discovered a new species, the description of which he has obligingly communicated as well as some useful remarks, and having another nondescript in my own cabinet, I shall give a short account of all the species.

- 1 *E. ramicornis* *Fab., De Geer, Geoff. v. 2, p. 313, t. 15, f. 3.*
Entirely of a beautiful golden green with yellow legs— $1\frac{1}{3}$ line long.
Bred from pupæ attached to the leaves of lime-trees.
In the cabinets of Mr. Kirby and Mr. Haworth.
- 2 *E. damicornis* *Kirby.* described as above.
Bred the beginning of August from larva of *Ptilodontis camelinus?*
- 3 *E. Latreillii* *nob.*
Female. Head, thorax and petiole bright green, abdomen violaceous black, bright green at the base, with a small whitish spot below the base, legs and 2 first joints of antennæ nearly white— $\frac{3}{4}$ line long.
Bred from pupæ of *Tinea Cramerella* *Fab.*
In the Author's cabinet.
- 4 *E. Kirbii* *Westwood's MSS. nob.*
Black with a dull white subpellucid spot at the base of the abdomen— $\frac{1}{2}$ line long.
3 males were taken from a hazel-bush in a small wood near Ashford, Kent, August 1825, by Mr. W.
In the cabinets of Mr. Westwood and the Author.
- 5 *E. pectinicornis* *Linn., Fab., De Geer, v. 1, p. 589, t. 35, f. 1—7.*
Dull black— $\frac{1}{2}$ a line long.
Bred 9th Oct. by the Baron De Geer out of *Tinea* pupæ.
Taken by Mr. Westwood from the white-thorn when in blossom, near Wimbleton Common, May 1825.
In the cabinets of Mr. Kirby and Mr. Westwood.

The plant is *Veronica agrestis* (Germander).