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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.

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.

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Fig. by J. Curtis. Mus. N. 10. 6

BANCHUS FARRANI.

ORDER Hymenoptera. FAM. Ichneumonidæ.

*Type of the Genus, Banchus pictus Fab.*BANCHUS *Fab., Panz., Grav., Curt.*—Ichneumon *Linn., Fab.*

Antennæ inserted near the middle of the face, as long as the body in the female, shorter and more curved at the apex in the male; setaceous, composed of numerous joints, basal one robust and ovate, truncated obliquely to receive the 2nd, which is stout, 3rd small, 4th the longest, the remainder decreasing in length and size to the apex: (1, the base and apex).

Labrum triangular and hairy, the base horny, with a membranous attenuated and pointed lobe attached beneath (2).

Mandibles curved, bifid at the apex, internal tooth the longest and emarginate (3).

Maxillæ terminated by an orbicular hairy lobe, with a smaller one on the inside. *Palpi* not very long, pubescent and composed of 5 joints, nearly equal in length, 2 basal joints stout and clavate, 1st rather the longest, 3rd slender, 4th spatulate and very much dilated in some species, 5th slender and linear (4).

Mentum oval, anterior angles emarginate to receive the *Palpi*, which are not very short; hairy and 4-jointed; 2 basal joints short and pyriform-truncate, 3rd not quite so stout, a little longer and truncated obliquely, 4th the longest, slender and linear. *Lip* semicylindric, slightly emarginate (5).

Head short transverse, face orbicular: eyes vertical, ovate: ocelli large, 3 in triangle on the crown. Thorax gibbose, ovate (T, c the collar): scutellum, convex, trigonate-ovate, generally with an incurved spine towards the apex (s). Abdomen sessile, subfusiform, compressed beneath and at the apex, somewhat scimeter-shaped in profile, basal joint broad and transverse at the base (6, the same in profile), the back most curved in the male, the belly more so in the female; ovipositor not exerted. Wings with a large submarginal cell, the lower external nervure not angulated, arcolet subtrigonate, the base convex. Legs, hinder pair long and stout, with large coxæ: tibiæ, anterior short, with an internal spine at the apex, the others spurred: tarsi long and 5-jointed, basal joint long, 4th small: claws and pulvilli simple.

FARRANI *Curt. Guide, Gen. 523. 3^b.**In the Author's Cabinet.*

NOTHING, I believe, is known of the œconomy of these insects: the males are distinguished by short antennæ, spiral at the apex; the abdomen is generally less dilated vertically at the apex, and is often a little incurved.

2. *compressus F.—variegatus F.—Schæf. Ic. t. 130. f. 4. ♀.*

Black; orbits of eyes, 2 spots on thorax, scapulars and a spot under them, scutel, an interrupted band on the postscutel and margins of segments,

yellow: antennæ and legs ferruginous, base of former above, coxæ, trochanters and base of posterior thighs, black; base of tibiæ and tarsi yellow: *Fem.* face yellow with a black stripe, antennæ black above: $4\frac{1}{4}$ to 6 lines long.

I think Mr. Dale took one in Middlemarsh Woods in May, and Mr. W. Clifton gave me a male he captured at Boulogne.

3. *pictus* *Fab.*—*volutatorius* *Linn.*?—*cultratus* *Gmel.*

Black; clypeus, internal orbit of eyes, scapulars, a spot under them, scutel, a spot on each side postscutel, and margins of segments, yellow: antennæ and legs ferruginous, base of former, coxæ, base of trochanters and outside of thighs, excepting the tips, black; tibiæ yellow, apex ferruginous: *Fem.* with 2 hooked marks on thorax, and face yellow, with a black stripe; antennæ sometimes blackish above: 5 to $5\frac{1}{2}$ lines.

May, flowers in woods, Suffolk, J. C.; June, Parley Heath and Glanville's Wootton, Mr. Dale.

3^a. *Farrani* *Curt. Brit. Ent. pl.* 588. ♀.

Black; 3 basal joints of maxillary palpi and underside of antennæ ferruginous, mandibles yellow, tips piccous; orbits of eyes and face yellow, with a black stripe, furcate above the antennæ, leaving a yellow V in front of the ocelli; 2 hooked marks in front of the thorax, scapulars and a round and vertical spot beneath, scutel, excepting the short spine, and a transverse line of 6 dots on the postscutel, yellow; first 3 segments of abdomen broadly banded with yellow, the others with a small spot; legs orange; coxæ black, 4 anterior yellow outside; apex of posterior tibiæ and their tarsi above, excepting the base, blackish.

As I cannot consider this a variety I have named it after my esteemed friend Dr. Farran of Dublin, who was of our party in Connemara the end of last July, when I found a specimen flying about the plant figured, on the sand-hills near Roundstone. I have also received a female from Kinnordy, where it was taken by Mr. Lyell.

4. *falcator* *F.*—*venator* *F.*—*Panz.* 109. 15. ♂.—*pictus* *Don.* 12. 413. ♀.

Male black, back of abdomen rufous at the middle, legs fulvous, apex of posterior tibiæ and coxæ black, external orbit of eyes and underside of antennæ rufous; scutel tuberculated. *Fem.* underside of antennæ and face yellow, with a black stripe; a furcate mark on the forehead, and orbits of eyes yellow; 2 hooked spots on thorax, scapulars, a round and a long spot beneath them, scutel and 2 dots behind it, and one by each angle of postscutel, and a transverse band on the medipectus, yellow; back of abdomen, except the base and apex, yellow and ferruginous; legs yellow, coxæ black with large yellow spots outside; tips of hinder tibiæ and tarsi brownish: 5 to 7 lines.

June and July, common on umbelliferous plants.

5. *hastator* *Fab.*—*monileatus* *Grav.*

Black, legs fulvous, apex of hinder tibiæ and coxæ black; *male* with external orbits of eyes yellow; *female* with the mouth and face yellow, with a black line; thorax with a yellow horseshoe on the medipectus; 4 anterior coxæ fulvous beneath; scutel with an erected spine; margins of dorsal segments sometimes ferruginous: $4\frac{1}{2}$ to 6 lines.

I have a female which I took at Darent in June, and have little doubt that it is the *B. hastator* *Fab.*

The Plant is *Raphanus maritimus* (Sea Radish).