

Male (length $3\frac{3}{4}$ —4 lines). Black; the legs, tip of the abdomen, mouth (not the mandibles) and antennæ, pale red; the latter darkest towards their base; head and thorax of about equal width; abdomen one-third wider than the thorax; the scale not notched above; the wings smoky as in the female. (All the sexes from the same nest).

FORMICA CUNICULARIA.

Formica cunicularia, Latr. *Fourm.* 151. *Nyland. Adno. Mon. Form. Boreal.* 913, 11. *Foerster, Hym. Stud. Form.* 25, 9.

Female (length 4 lines). Antennæ, face below them, the mandibles, thorax, legs and scale of the abdomen bright ferruginous; the disk of the thorax of a dark red-brown, or with three or four spots of that colour; the antennæ are darker towards their apex: the scale is very slightly notched; abdomen of an ashy black; at the base and beneath having a ferruginous tinge: the wings are hyaline, but slightly smoky towards their base; the nervures are testaceous, the stigma brown.

Worker (length 2— $2\frac{3}{4}$ lines). This sex is similarly coloured to the female, but altogether duller; and the thorax is more elongate and narrowed towards the metathorax; the abdominal scale is not notched, and the legs more elongate than in the female.

Male (length 4 lines). Black; the legs and tip of the abdomen of a pale reddish yellow; the scale is quadrate and deeply notched above; the wings hyaline, but smoky towards their base, the nervures testaceous, the stigma brown: abdomen elongate, about the same width as the thorax, and having a bright silky gloss. (All the sexes taken from the same nest.)

NOTE.—The male closely resembles that of *Formica fusca*, but distinguished by having the externo-medial nervure continued to the base of the wing; in *fusca* it becomes obsolete.

FORMICA UMBRATA.

B. M.

Formica umbrata, *Nyland. Addit. Adno. Mon. Form. Boreal. Europ.* 1048, ♂, ♀, ♂.

HAB.—Hampstead.