

may do considerable damage by tunneling in beams and rafters and may become a domestic nuisance by visiting the sweet food-stuffs in kitchens and pantries. Its habits were first studied by McCook. Recently Pricer and Miss Edith Buckingham have made many interesting observations on its polymorphism and behavior.

29. *C. herculeanus pennsylvanicus* var. *mahican* nom. nov.

*C. herculeano-pennsylvanicus* FOREL, Bull. Soc. Vaud. Sci. Nat., XVI, P. 81, p. 57, ♀, 1879.

*C. herculeanus* var. *herculeano-pennsylvanicus* EMERY, Mem. R. Acad. Sci. Ist. Bologna, p. 770, 1896.

*Worker major and minor.*

Differing from the typical *pennsylvanicus* only in pilosity and color. The hairs and pubescence are pale yellow as in *pennsylvanicus*, but the pubescence on the gaster is shorter and sparser, though longer than in *modoc*. The legs and petiole are red and the thorax is more or less tinged with the same color, at least on the pleuræ. Posterior borders of gastric segments dull yellow. On the whole, this variety seems to be intermediate between *whymperi* and *pennsylvanicus*.

Described from a number of workers taken in the following localities: Massachusetts: Cambridge (Mus. Comp. Zool.); Woods Hole (Wheeler).

New Jersey: Englewood (Wheeler).

Forel mentions this form also from the Alleghanies, New York, Illinois and South Carolina.

I have attached this variety to *pennsylvanicus*, because it shows a greater affinity to this form than to the true *herculeanus*, and I have ventured to give it a new name, because the one by which it has been known is not properly a varietal name and is very unwieldy. Whether this form is worthy of recognition as an independent variety cannot be decided without more material than I have been able to examine.

30. *C. herculeanus pennsylvanicus* var. *ferrugineus* Fabr.

*Formica ferruginea* FABRICIUS, Suppl. Entom. Syst., p. 279, No. 11-12, ♂ ♀, 1798; LATREILLE, Hist. Nat. Fourm., p. 94, 1802; FABRICIUS, Syst. Piez., p. 399, No. 14, 1804; F. SMITH, Catalog. Hymen. Brit. Mus., VI, p. 53, No. 187, 1858.

*Camponotus ferrugineus* MAYR, Verh. Zool. bot. Ges. Wien, XIII, p. 399, 1863.

*C. pennsylvanicus* var. *ferrugineus* FOREL, Bull. Soc. Vaud. Sci. Nat., (2) XVI, P. 81, p. 56, 1879; EMERY, Zool. Jahrb. Abth. f. Syst., VII, p. 668, 1893; DALLA TORRE, Catalog. Hymen., VII, p. 247, 1893; WHEELER, Bull. Amer. Mus. Nat. Hist., XXI, p. 402, 1905; Occas. Papers Bost. Soc. Nat. Hist., VII, 7, p. 23, 1906.