

The Canadian Entomologist.

Vol. XXXVII.

LONDON, APRIL, 1905.

No. 4

NOTES ON THE LOCUSTIDÆ OF ONTARIO.

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(Continued from p. 38.)

Sub-family *DECTICINÆ*.

22. ATLANTICUS PACHYMERUS, Burm.—The Shield-back Grasshopper.

Decticus pachymerus, Burm., Handb. der Ent., II., 1838, 712.

Thyreonotus pachymerus, Scudd., Bost. Journ. Nat. Hist., VII., 1862, 453.

Atlanticus pachymerus, Scudd., CAN. ENT., XXVI., 1894, 179.

Measurements: Length of body, ♂ 17-23 mm., ♀ 20-22 mm.; of pronotum, ♂ 8.8-9.3 mm., ♀ 8.5-9 mm.; of hind femora, ♂ 16 mm., ♀ 16.5 mm.; of tegmina, ♂ 7.3-8 mm.; of ovipositor, 18.3-19 mm.

This large brown insect, the "Shield-back Grasshopper," is readily known from all others in our fauna by the large size of the pronotum, which extends back over the first abdominal segment, the rudimentary tegmina in the male and the absence of these organs in the female.

The only Ontario specimens I have seen are three males and two females, which I captured at Arner, Essex Co., on Aug. 9, 1901. They were found in the more open parts of a dry upland wood, consisting chiefly of oak and other hardwoods. Most of them were found on the short grass which was growing on the slopes of a ravine in the wood.

Sub-family *STENOPELMATINÆ*.

The only genus represented in Ontario is *Ceuthophilus*, and it is a very difficult one to deal with, only the matured males of many species being separable in anything like a satisfactory manner.

Through the kindness of Mr. Henshaw I was able to compare my specimens with those in the Scudder collection, and found that our commonest species is undescribed, and that Scudder's types of *terrestris* include two species, one of which is identical with *C. neglectus*, Scudd.

The characters which I find of most value in separating the species of this genus are the form of the sub-genital plate and ninth dorsal segment