

TWO INTERESTING MONSTROSITIES.

BY W. HAGUE HARRINGTON, OTTAWA.

Many minor malformations of wings, elytra, etc., have been observed in examining insects, but recently I have met with two monstrosities which seem worthy of record. The first insect is a ♀ *Fœnus tarsitorius* Say., given to me by my friend, Mr. Guignard, and captured by him on 24th June, 1885. In this specimen the left posterior tibia becomes trifid about one-fourth of its length from the base, the side branches diverging at an angle of about 30°. The three portions are symmetrical, of nearly equal size (but slightly smaller than the tibia of the opposite leg), and bearing the terminal spurs, etc. The three tarsi issuing from them are perfect in every particular of size and colour. The femur is swollen and gives an impression of three agglutinated, while the trochanter and coxa are also enlarged.

The second specimen was noticed a few days ago while I was putting sex labels on some Carabidæ, and is a ♀ *Pterostichus lucublandus* Say. In this insect only the last joint of the left middle tarsus is in triplicate, and while the parts are equal in size to one another, they are individually under the normal size. The fourth joint is widened (like three small ones joined laterally), while the remaining articles are somewhat shortened and thickened. The tibia is also slightly modified; the spines being irregular, and one of the terminal spurs flattened and bifid.

CORRESPONDENCE.

HEPIALUS QUADRIGUTTATUS.

Dear Sir: In a letter to me, dated October 7, 1864, the late Mr. Francis Walker wrote as follows: "Your *quadriguttatus* is, as you suppose, identical with my *H. argenteomaculatus* var." I have myself no doubt that these two Hepiali are distinct species. In Agassiz's Lake Superior, Harris gives *quadriguttatus* as the same as the eastern *argenteomaculatus*, which latter Mr. Mead took in the Catskills, N. Y.

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Mailed June 4th.