

THREE NEW LYCOSIDS.

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Brief preliminary descriptions of the following species are given in order that the names may be used in another place.

Lycosa permunda, sp. nov.—♀. Cephalothorax dark brown; a pale narrow median line extending backward from first eye row, widening abruptly in front of dorsal groove, and then gradually narrowing to a point at posterior margin; a broad light-coloured marginal stripe on each side not extending forward farther than the third eye row, its upper margin coarsely dentate, the lower border broken by a few dark dots, but not limited below by a continuous dark line or stripe at margin. Chelicerae black. Labium and endites dark brown. Sternum dark brown, with a yellow median line. Legs brown, darker distally; beneath unmarked but having a number of dark cross bars above on femora and posterior tibiae. Abdomen above dark, having the usual lanceolate mark at base followed by a series of light coloured, chevron-formed transverse lines, each ending on each side in a light dot; sides yellowish brown, densely spotted with black; venter also yellowish brown, more sparsely covered with smaller black dots, much as in *helluo*.

Length, 22 mm. Length of cephalothorax, 10.7 mm.; width, 8 mm. Length of leg iv., 30.3 mm.

♂.—Coloured nearly like the ♀, but paler throughout. Marginal stripes of cephalothorax not interrupted below by dark spots. Legs clear brown, without any cross markings on any joints. Palpi yellowish brown excepting tarsus, which is black.

Length, 20 mm. Length of cephalothorax, 10 mm.; width, 7.5 mm. Length of leg iv., 32.4 mm.

Locality: Kansas.

In general appearance the female resembles *helluo*, but is easily separated by structure of epigynum and by various other characters. The male is conspicuously different in its palpal organ and in size, proportion and structure from those of related species. This form also might suggest the *vafra* of Koch, but is not that species.

Pirata aspirans, sp. nov.—♀. Sides of cephalothorax dark brown, crossed by radiating lines of black; a pale-coloured median band enclosing in front the usual dark V-shaped mark; a yellow stripe on each side extending forward as far as third eye row, limited below by a marginal black line; clypeus yellow. Chelicerae reddish yellow. Labium yellow. Endites yellow apically, dusky brown below. Sternum and coxae of legs