

distinct yellow subterminal ring. Hypopygium darker coloured. The most striking differences between this and the related regional species are found in the male hypopygium, as follows:

Ninth tergite dark coloured, with a deep, impressed mid-dorsal line; posterior margin with a wide V-shaped notch, the lateral lobes formed terminating in blackened chitinized points, the lateral notches only slightly concave, larger and not so deeply rounded as in *T. fragilis*. Outer pleural appendage long, slightly flattened, not as stout as usual in the group, pale, almost white in colour, the basal third slightly contracted and produced proximad into a blunt, blackened lobe. Inner pleural appendage a pale, almost white, compressed blade, on the posterior margin near the base bearing a small knob provided with numerous short, black setae. At the ventral angle of the pleurite, jutting dorsad across the face of the genital chamber as a long, slender, slightly sinuous lobe tapering to a point, densely covered with white hairs; this structure is considerably larger than the corresponding one in *T. fragilis*. Ninth sternite with a deep notch which is slightly enlarged at its base, the sides parallel or nearly so. Eighth sternite compressed, with a very deep median notch, the adjacent lobes contiguous apically, though separated basally, provided with long, yellow hairs. In *T. fragilis*, the eighth sternite is spade-shaped, unnotched.

Habitat.—Alaska. (Iditarod River Country).

Holotype.—♂, Flat, September 6, 1917, (A. N. Twitchell).

Allotype.—♀, Bethel, September 24, 1917, (A. N. Twitchell).

Type in the United States Biological Survey collection.

***Nephrotoma euceroidea*, new species.**

Generally similar to *N. eucera* (Lw.) from which it differs as follows: Average size much smaller (male, length 14–14.2 mm.; wing 13.8–15 mm.). Male antennae with only 17 evident segments. Thoracic stripes distinct, reddish brown, much darker than in *N. eucera*. Wings with a more greyish yellow tinge, the stigma poorly defined, pale. Abdomen darker, brownish yellow, the hypopygium brown. Male hypopygium with the ninth tergite having the caudal margin evenly rounded with a small, narrow median notch whose nearly contiguous lateral angles are produced beneath into blackened lobes which are densely spiculate. Eighth sternite with a broad, deep posterior notch, the median area of the sternite not so densely hairy as in *N. eucera*.

Habitat.—Northeastern North America.

Holotype.—♂, Sport Island, Fulton Co., New York, altitude 750 feet. June 16, 1910, (C. P. Alexander).

Paratype.—♂, Perth, New Brunswick, June 15, 1915, (F. M. McKenzie).

In general appearance, *N. euceroidea* is very similar to *N. breviorcornis* (Doane) from which it is most easily told by the number and structure of the antennal segments.