

Annual Report of Mr. Charles V. Riley; these two insects are the Ring-legged Pimpla, which will be described in this article, and the Delicate Long-sting will follow.

"The Ring-legged Pimpla is a black fly, varying considerably in size, the female sometimes measuring but $\frac{1}{4}$, others fully $\frac{1}{2}$ inch, exclusive of ovipositor, the male somewhat smaller. The genus Pimpla was briefly characterized in my last report, p. 43, where it was shown that this same species attacks the Walnut Case-bearer (*Acrobasis juglandis*, Le B. I annex a lateral outline of a female Pimpla, Fig. 12). The male has a more slender abdomen, which is unarmed.



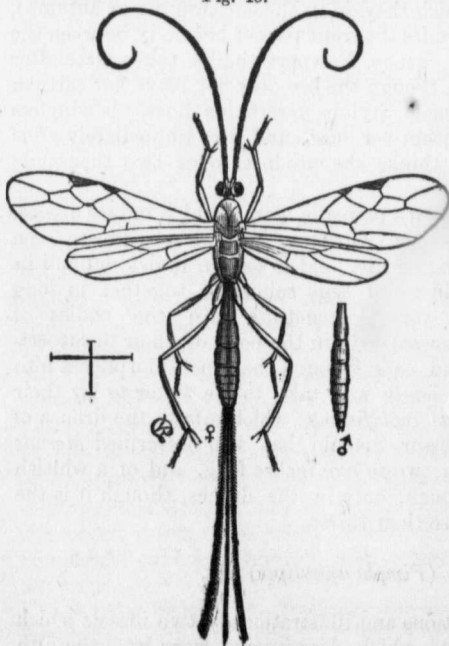
the other species of this genus, by the scutellum being black, the tegulae white, and the anterior coxae yellowish red.

"This fly eats its way through the chrysalis and cocoon of the Codling-moth, without having previously made any cocoon of its own. It was quite abundant last summer, as from one lot of one hundred and sixty-two *Carpocapsas*, I obtained twenty-one parasites, all of them females but one. It is a widely distributed and common species."

The second parasite may be called the

DELICATE LONG-STING (*Macrocentrus delicatus*) CRESS.

"It has recently been described by Mr. E. T. Cresson (Trans. Am. Ent. Soc. iv., p. 178), and is a somewhat variable species, occurring throughout the eastern, middle, and western States, and in Mexico. I subjoin a description drawn up from my bred-specimens, Fig. 13.



ovipositor, (Fig. 13) the hair lines at the side of the figure show the natural size of the

Male. Length 0.25; expanse 0.45, inch slender, colour pale, polished, honey yellow; uniformly and sparsely pubescent; tinged with brown superiorly, the basal joint of the abdomen and a medio-dorsal line on the other joints being quite black. Head, with the eyes (except at disc), and a spot between ocelli, brown-black; palpi long and almost white; antennae one fourth longer than the whole body, about 48 joints, exclusive of bulb, curled at tip, the ends of basal joints and the whole of joints dusky. Thorax, with the sutures well defined, and two small triangular black spots behind front tegulae, the metathorax strongly trilobed; legs very long, pale honey yellow, with tips of tibiae and tarsi faintly dusky; wings yellowish, hyaline and iridescent, with the veins luteous and the stigma pale honey yellow.

"Female, rather larger and with abdomen somewhat paler, otherwise similarly marked. Ovipositor yellow, $\frac{1}{2}$ longer than body, the sheaths quite pilose, and inclining to fuscous, described from two females and one male.

"It is a graceful fly with very long antennae and legs, and the female with a long

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