

black with a
s of the same
front and hind
low line cross-
somewhat paler
often brought
l them in tubs
now they could
ve a large pair
fly with great
pond to pond
their location
ing) either up
he pond, and
and rise into
eir descent is
scending, drop
ear that they
ble height by
violence upon

ng larvæ, pos-
he larvæ grow
heads armed
ile they suck
id are known
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age creatures,
of it, when it
t, making the
hey protrude
upa state, the
und cell with-
two or three
te all winter,



Fig. 39.
rior. These
regular order
plant at the
ve to fifteen
ly by a few
three inches

in length. The head is horny and of a very singular form, its lower surface being convex, while its upper surface is flattened. Its sharp and formidable jaws are well adapted for seizing and securing its prey. They are said to attain their full growth in July, when they leave the water, bury themselves in the earth, where they undergo their changes in a manner similar to that of *Dytiscus*.

THE TIGER SWALLOWTAIL (*Papilio turnus*). *Turnus*



Fig. 40

is black above, margined with pale yellow, the wings yellow banded with black, the hind pair powdered on their outer margin, with patches of blue scales.



Fig. 41.

The caterpillar (Fig. 41) is rather a strange looking creature, of an olive green colour, with a whitish bloom and a prominent eye-like spot on each side of the fourth segment. It feeds chiefly on the apple, cherry, thorn and basswood. For a more detailed description of this insect we refer our readers to the report of our Society for 1873.

THE ACHEMON SPHINX (*Phalopetrus achemon*). *Phalopetrus*

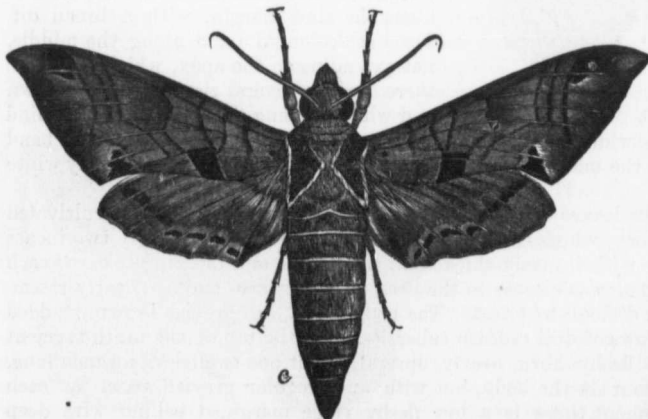


Fig. 42.

In our report for 1872 we published a description of this insect which is a very beautiful and attractive creature in the perfect or moth state (Fig. 42), and a very odd looking object as seen in the larval condition. Quite recently Dr. John H. Garnier, of Lucknow, Ont., has written us in reference to this insect, which he has found injuring his grape vines. He found several of the larvæ feeding on a Rebecca vine, for

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