INSECT LIFE.

A Lecture delivered before the Mechanics Institute of Port Hope, Whitby. Newcastle, and Belleville,

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(From the Home Circle.) Continued.

Most insects perish soon after they lieve deposited their oggs in suitable situations, with, in some cases, a supply of ford to to ready for the young, the moment they leave the egg. This is not, however, the case with all; a species of bug, inhabiting the birch tree, keeps near her eggs, and collects and takes as much ears of the young, when hatched, as a hen does of her chickens. The earwing does the same, an insect perfectly harmless, thou hi the object of much dislike from the mistaken idea that it gets into the car. The female carwig sits upon its erre in the manner of a hon, until they are hatched; nor does her care then cesse, the young ones run after her wherever she moves, and she cortinues to sit or them. and brood over them, with the greatest affection, for many days. If the young ones are disturbed or scattered, or if the parent be taken away from them, she will, où the first opportunity, collect them again, and brood over them as carefully as before, allowing them to push her about, and cautiously moving one foot after another, for fear of hurting them.

Every one must have remarked a small green insect that clusters in great numbers on the stalks and branches of rose bushes. Various species of them inhabit different vegetables, shrubs and trees, and wherever they are they do no good to the branches that nourish them. It is entraordinary what large sums of money depend on the circumstance of those Aphides, or blights being numerous or Ew in number, on the hop plant, especially. Like the weevil in the wheat, they are ver small creatures, but they sometimes do an infinence amount of damage. Is there not something humiliating to the natural pride of the human heart, in the thought, how much the comfort and prosperity of mankind depend upon insects of the most minute size and insignificant appearance. And yet does not this very fact show how satirely we, and the whole struction, are dependent on the will of the Mighty Creates and governor of all, whe orders all things after the council of his own wise will, and who doth all things will. Who can resist his exependens

at any danger, when Omnipotence is on-down the side of the hill, and soon came to gaged on his behalf?

mentioned in Shakspeare's Plays":---

a holly tree, on which a number of wasps the nest. were continually alighting, running rapid. I have often watched an aut go from ly over its leaves, and flitting from branch one Aphis to another, and stand behind to branch. I sat down beside it, to en- each, and gently +piceze the body with deavour to ascertain what populiar attractits forelegs; the Aphis gave out a small tion this tree possessed, and soon-found drop of honey, as clear as crystal, which that the wasps were not sin only visitors, the ant instantly swallowed. A number of ants were plodding quietly Amolig the insects of the most remarksalong the twigs and leaves, exhibiting by ble habits are the section beetles whose their staid and regular deportment a instinct prompts them to lay their eggs in singular contrast to the rapid and the bodies of dead animals, both for the vacillating-movements of the warps .- sake of placing them in security, and also I now discovered that both ants and for providing the grubs with a sufficient wasps were attracted by a substance which supply of food when hatched. With great was plentifully sprinkled over all the labor they bury the dead body in the leaves—the celebrated Honey dew of the ground previous to laying their eggs in it. poets. This substance is a secretion do If the body, be it a rat, mouse, bird, frog, posited by the Aphis. The liquid they or mole, be in a ploughed field, they have deposit is perfectly pure and as sweet as little trouble; but if on grass, or among honey. The ants not only suck it up stones, much labor is needed to draw it to with eagerness, wherever it can be found, a suitable place. The operation of burybut they possess also the art of making ing is performed by the male beetle, the the Aphis yield it, by patting them gently female mostly hidring herself in the body species of ant is said to confine the Aphis be buried with it. The male begins by in heal-thents constructed solely for that digging a furrow all around the animal, purpose, to supply them with food, to pro- at the distance of about half an inch, every respect, as much care of them as we tool used in this operation; it is held should do of our cows."

rious insects, confirms this singular state- pleted, another is made within it, and the ment. He says "The other day I pulled earth thrown into the first furrow, then a known of the great value which anta set done sufficiently, the bectle pulles the by the same way about three hours after in the dift. wards, and found the next all quiet and This great' comparative strength of

power? but what ereature need be alar, red I went to work with my knife, and scraped the Aphis; they were clustered together, A singular circumstance respecting the on little bits of thistle 100t, which had Aphis is thus referred to by Mr. Robert been broken off in the ground, and they Patterson, in his delightful little book on were attended by numbers of ants. When "the Natural History of the insects the ants found that their cattle were again in jeopardy, they drew them gently from "On a fine day in September, I noticed the root, and carried then will further later

with their antennæ; and one particular or sitting upon it, and allowing herself to test them from danger, and to take, in turning the earth outside. His head is the sloping outwards, and is exocedingly pow-Another writer, mentioning these out erful. After the first furrow is comup a large thistle that grew on an ant-hill, third is made, and so on, the earth rising and thus I brought to light a whole col- in a rampart round the body, which ony of the white Aphis. I had long gradually sinks. When this has been on these little creatifies; so I shook down earth into the grave, with its broad head some Covens of them from the thistle root, downwards. Of the unwearying indusamongst the auts, which were all aswarm try shown by these beetles some idea may at the dithinge I had disce to their dwell be formed by the results of experiments ing. No sooner were the anti aware of conducted by M. Gleditsch, who found the presence of the Aphis, than they bet that in the bigs, four beetles had interred gan to fondle them with their legs, to tap in the affilial space of earth allotted to them on the back with their antennes, them, 12 carcases; viz. 4 frogs, 3 small and to lick them with their tongues; they birds, 2 fishes, 1 mole, and two grasshopthen took hold of them with their jaws, pers, besides the entrails of a fish, and ifted them from the ground, and carried two morsels of the lung of an ox. In them, with the greatest card and by one; another experiment, a single beetle buried into the resease of the nest. I wilked a mith 10 times its own bulk and weight,

orderly, and not he Aphie to be seen; so insects is remarkably shown in their