so wounded, knotty, and deformed that the fruit lithe commencement of June, on seeing the is worthless.

And here let us pause for a moment to notice one of those curious paradoxes, with which the student in the works of nature is so frequently

meeting.

A person, on being informed that of the two stone fruits, the plum and the cherry, the one perishes and the other lives-of the two pomaceous fruits, the apple and the thorn-apple, the one perishes and the other lives, when invaded by this worm-I say, a person, on being informed of these facts, would at once say: it is the smaller of these fruits, it is the cherry and thorn-apple, that wither and die when attacked by this worm, whilst the larger fruits, the plum and apple, will feel the same injury less, and will survive the wounds that kill the smaller But lo! exactly the reverse of this is the fact. It is the small cherry and thorn-apple that live and ripen on their stems; it is the large plum and apple, and also the peach and pear, that wither and fall from the tree! on coming to consider this anomaly more fully, we clearly perceive that it is necessary that these things should be ordered and arranged just as we find them to be. The quantity of pulpy substance in the larger fruits is sufficient to feed the worm within them till it reaches maturity: whereas, should the smaller fruits wither in the same manner, the worm within them would die. It is, therefore, necessary that they should continue to grow, to elaborate the amount of sustenance which the worm requires to bring it to maturity.

But why it is that in these several fruits effects so dissimilar result from the same cause,—these effects, too, exactly the reverse of what we should expect, - we are wholly unable to explain. I can only resolve it into this, that in each of these cases the Author of nature has decreed that it shall be so, and therefore it is so.

Even though in a more advanced state of science the vegetable pathologist should be able to show certain peculiarities in the physical constitution of these trees, whereby it will be explained why it is that the irritation produced by the gnawing of this worm is speedily fatal to the one fruit, and not at all so to the other, it will only carry us one step further back and lead to the inquiry-How came these trees to possess their respective constitutions? Why did not the peculiarities of the cherry happen to be given to the plum, and thus produce a discord instead of that harmony which we now see?

And thus, wherever we fix our look in the wide domain of nature, whatever page we open in her "book of wondrous secrecy," we perceive unmistakeable evidence that, even in all its minutest details, the vast framework of creation has been arranged by a hand that was omnipotent, that hand guided by an intelligence that was infinite.

But to return from this digression. Any per- transformations and all coming abroad son on inspecting a large, thrifty plum tree at their perfect state the latter part of Ju

tusion of small young fruit which is every interspersed among the leaves, would deall but impossible for an insect to devastate fruit to the extent that the Curculio does. would think that, here and there, at less plum hid among the foliage, or projecting out upon the ends of the slender twigs, t elude the search of this insect, and thus re to ripen upon the tree. But I judge from counts it is the same all over the country is within the sphere of my own observation although the trees are perfectly health vigorous, richly clothed with verdure year year, we never see a ripened plum upont except where special care is taken to co this intruder.

And not only this fruit, but (what many sons are wholly unaware of) a large port our apples are also blighted by this same I am persuaded it is one of the principal why our orchards as this day are so much productive than they were half a century To obtain a correct idea of the intolerable which this insect is in our country, I hope one who now hears me, if he has not at particularly noticed the sad spectacle, will it in mind next 4th of July, or within a feof that time, to walk to the plum trees and of the orchards in his neighbourhood. find the ground under many, if not all, the literally covered with the wilted young fat has fallen from its having been blighted ! Could but a fourth part of what is on the ground have remained upon the tr ripen, it would be such a yield from them a cycle of years we have never had and ceased to expect.

On cutting open these withered plux apples you will find the same worm int as in the other, or, if this worm has left tion of the fruit, its track will still t therein, demonstrating that the falling whole of the fruit, from both kinds of the been occasioned by the same cause.

It is during the early part of July the worms are leaving the fruit and enter ground. But some are found still quit after others have got their growth and en the fruit. Hence a considerable time. two or three weeks probably, during wi and another of these larvæ in the fruit a ing to maturity and entering the ground

They remain in the ground reposing,: pupa state, about three weeks. ing the latter part of July that the most complete their transformations, and a again in their perfect state.

Thus, in from six to eight weeks f time the egg is deposited, this insect growth, and Lecomes a beetle of the sa as its parent.

We thus have these insects complete