

tended no such thing. On the contrary, it is evident that vines naturally bear their fruit in such a way as to *screen it from the sun*; and man is most unwise when he rashly interferes with this intention. What is wanted is the full exposure of the *leaves* to the sun; they will prepare the nutriment for the grape; they will feed it, and nurse it, and eventually rear it up into succulence and lusciousness."

The truth is this, that the leaves prepare the nourishment for the grapes, without which they will never ripen, and unless there are sufficient leaves so situated as to their exposure to the sun and air that they can properly and abundantly supply this nourishment to the fruit, it will never perfectly ripen. What is required then is not to cut away the leaves and branches to let the sun-light in upon the grapes, but to so thin out the shoots in the spring that the foliage shall be well exposed to the full light of the sun, and if the whole crop of leaves is allowed to remain that is thus exposed to the sun, the preparation of the matter for the nutrition of the fruit will be more rapid, and hence the ripening of the fruit accelerated. Hence if the winter and spring pruning has been properly done there will be no necessity for any summer pruning whatever.

But there is a pruning or rather stopping of the shoots in September that is of benefit. On this subject Doctor Lindley says, "When, however, in autumn the branches are beginning to *slacken* in their power of lengthening, it is then right to stop the shoots by pinching off their ends, because after that season newly formed leaves have little time to do more than organize themselves, which must take place at the expense of matter forming in the other leaves. Autumn-stopping of the vine shoots is therefore not only unobjectionable, but advantageous, for the leaves which remain after that operation will then direct all their energy to the perfection of the grapes."

THE TYSON PEAR.

This is a favorite pear, of medium size, but of great excellence, ripening early in September. The tree is certainly as hardy as the Bartlett, and may be grown wherever that variety succeeds. It has an upright habit of growth, and is thrifty and healthy. It does not begin to bear fruit while young, but when it has reached maturity it bears large crops.