one bud or branch, strengthens another. The the bark soft, smooth and glossy, and add to its reason of this is, that the sap which formerly sup natural lively colour. plied an amputated limb, transfers itself to the other branches.

3rd. To stop a branch by cutting away its extre- J. Dougazz, Rosebank Nursery, Amherstburgh. mity, induces what is left to produce side branches, which would not otherwise have appeared. By this means we are enabled to give a shapely form and proper balance to the head of the tree.

say of keeping the branches inm; remove such land should be thoroughly ploughed and manured. The as are straggling, or cross, and come in contact best way to do this, is to subsoil plough it first, then with each other. Abundance of light, and a free trench plough it, to incorporate the manure thoroughly; circulation of air amongst the leaves, are of vital or, if the whole field cannot be subsoiled, a strip of land, importance to all plants. When branches and eight feet wide, should be so treated where the rows of trees are to be placed. If the land is sloping, care should are smothered. When pruned to grow well apart, they break freely, and perspire profusely; the egress. The orchard should also be put on the best soil result is, strong, thrifty shoots, and dark green fat on the farm, if otherwise suitable, as it will well repay leaves, instead of spindling twigs and yellow. The trees, if apples, should be planted thirty feet apart.

them in order for the future.

In all cases let such limbs and twigs as are necessary to be removed, be cut close to the trunk or branch from which they are taken. This facilitates the healing of the wound, and prevents the unsightly appearance of dead and decaying stumps or spurs. After being pruned in spring, an appli-cation of the subjoined wash will prevent the ravages of insects, and greatly promote the thrift a conical mound of earth about fifteen to eighteen inches of the tree. Cultivating the soil around the trees, high, round each tree, this serves to protect the roots high, round each tree, this serves to protect the roots and the regular use of manure, are also of essential importance. Every fall, let some good rotten manure be put round the roots, and dug down in saves the trouble of staking the trees; it also prevents spring.

George Leslie.

Toronto Nursery, Feb., 1850.

WASHES FOR THE STEMS AND BRANCHES OF FRUIT TREES.

1. A peck of quick lime, half a pound of flour of sulphur, and a quarter of a pound of lampblack; quickly evaporating. But, in general, it will be better mix the whole together with as much boiling not to water the trees at all. I have never found waterof sulphur, and a quarter of a pound of lampblack; water as will form the ingredients into a thick paint. Before applying the composition-which will be best done with a paint or whitewash brush -scrape off all the moss and loose bark from the trunk and branches.

2. Dissolve two pounds of potash in two gallons of water. This is applied with a brush once, or at most twice, and is an efficacious preservative against the attacks of insects.

3. For old trunks with thick and rigid barks, a wash of soft soap is very beneficial. A portion four feet in diameter, and eighteen inches or two feet

and promotes a vigorous and healthy growth. of it remains upon the bark, which, dissolved with Experience has shown the correctness of the fol-the rain, penetrates into the crevices, where

lowing general principles:—
1st. Over pruning produces barrenness, and moderate pruning leads to productiveness.
2nd. It is a well known law that the removal of scale or scab, the white mealy insect, and render

IMPORTANCE OF ORCHARD PLANTING.

(Concluded from Page 42.)

Planting and Cultivation of Orchards.

Orchards should not be planted on ground where water stands at any season of the year. If not intended The application of these principles is easy-to be underdrained, open drains should be made so as to The great object to be kept in view, is the necessity of keeping the branches thin; remove such land should be thoroughly ploughed and manured. The

weasened foliage

In apple orchards that have been recently each way. Some plant them forty feet apart, but it is a planted, very little pruning is necessary. Let the long time before they cover the ground. One of my trees be examined yearly about midsummer, and orchards has the apples and pears planted quincunx, all crossing branches removed, while they are yet small. The heads can then be properly adjusted and balanced, and little trouble required to keep the apples and pears need the ground to themselves the apples and pears need the ground to themselves the apples and pears need the ground to themselves the apples and pears need the ground to themselves the apples and pears need the ground to themselves the apples and pears need the ground to themselves the apples and pears need the ground to themselves the apples and pears need the ground to themselves the apples and pears need the ground to themselves the apples and pears need the ground to themselves the apples and pears need the ground to themselves the apples and pears need the ground to themselves the apples and pears need the ground to themselves the apples and pears need the ground to themselves the apples and pears need the ground to themselves the apples and pears need the ground to themselves the apples and pears need the ground to themselves the apples and pears need the ground to themselves the apples and pears need the ground to the ground to the ground the apples apples and pears need the ground to the ground the apples apples apples and pears need the ground to the ground t thirty-three feet apart each way, and between every one the peaches and plums will have died out. This is a very good plan where you have not ground or room for separate orchards for each kind of fruit; but I would, where practicable, advise planting each kind of fruit by itself, as they require different manures, and standard pears may be planted twenty-five feet apart, as they grow more upright than apples; plums, cherries. and peaches from fifteen to twenty feet apart.

If the trees are planted in the fall, it is well to make from frost, it also prevents the tree from being blown about by the wind when the ground is soft, and thus

the depredations of mice in winter.

If planted in spring, the trees should be mulched; that is, long manure, chip manure, or other litter placed round the trees a few inches thick; this protects the roots from the effects of drought in summer, and keeps the ground moist, and prevents it from baking and cracking; and, if it is necessary to water the trees in summer till fairly started, it will prevent the water from ing, unless slightly over the foilage or wood, if the tree is long of growing, do any good during the prevalence of dry weather; but on the contrary, I have found it do great injury. During wet weather, though it may look ridiculous to say so, it is sometimes very beneficial; when sufficient rain has not fallen to penetrate the ground thoroughly, then is the time to give them a good watering, so as to reach to the roots, and then the revaporation will not be so injurious as during the prevalence of long continued drought.

The holes for planting the trees in, should be three or