deep, unless in underdrained clayev subsoils, as before stated. If the subsoil is bad, it should be thrown out, and rich earth or compost, put in the place, in which the tree should be planted, so as to be not more than an inch deeper_after the soil has settled, than it was in the nursery; and as the earth is filled in, the tree should be gently shaken, so as to make the fine earth fill up all the pail of water. If desirable to cut close, the upper piece interstices about the roots. When the hole is about two thirds full, the earth show! be trod around the roots to thirds full, the earth sho. 1 be tred around the roots to In regard to size, they may vary from that of the scion, firm the tree, and if in sping, a bucket of water should, to an inch or more in diameter—but the best size, perbe thrown into the hole, which will cause the earth to settle equally about the roots. The rest of the earth should then be filled in loosely, without further treading; should be staked in exposed situation, or large, it should be staked to keep it from blowing about; if in sheltered situations, and the trees are small, they will not require staking. I have never staked a tree I planted be kept constantly with that variety, and in boxing put yet, and have found no need of doing so. Where neees between it and the next kind—two or three hundred to the planted by the stake of the variety of the water.

After marking them when washed in the water.

After marking the name of the variety to be grafted, upon a little stake eight or nine inches long which should be kept constantly with that variety, and in boxing put yet, and have found no need of doing so. Where neees between it and the next kind—two or three hundred to the planted by the property of the planted by the planted sary, the stake should be placed slanting, and tied to the grafts are prepared ready for setting and piled up. They tree with a straw rope, or other soft bandage, which should be from three and a half to four inches in length, should be wound two or three times round the stem of and with a tongue, as in splice grafting—the cut or slant the tree before typing it to the stake, to prevent injury at the grafted end of both the scion and root, not exceedfrom rubbing.

After the trees are planted, the soil should, for several quantity of roots, and piling them up with the lower years at least, be thoroughly cultivated with root crops ends towards you, they are then, one by one, prepared that require manure, such as potatoes, beets, carrots, turnips, and other vegetables; but care must be taken in planting these crops, not to have any of them within ing away in the boxes. If waxed, they must be previthree or four feet of the trees. I have seen a fine young ously spread out so that the outside moisture can dry off, or chard, planted with great care, nearly killed the first. The wax is made by melting and stirring together four year by a foolish greediness in allowing the hills of parts rosin, one and a half beeswax, and one of tallowpotatoes to be planted close up to the tree. This space to be applied while in a fluid state, with a shaving brush, round each tree should always be kept free from all which is neatly and quickly done. If preferred, they crops, and regularly locd and dug, for if large weeds are allowed to grow up round the trees, they are as hurtful, or more so, than crops, or grass. When necessary, that the with tow or bass strings, or corn husks.—

This we think quite as good a way as any, though perhaps not so speedy as the other. They are now ready from any circumstance, to lay the orchard down in grass, in the boxes, which should be about twenty-four inches a space of from six to eight feet in diameter, according long, twelve wide, and five and a half high on the inside, to the size of the tree, should be kept clear of grass and and need not be very tight. Such a box will hold from weeds, by digging and hoeing repeatedly.

as they are the most injurious that could be put in it.— and pack some snugly against one end; then take a Indian Coin might be planted but it must be kept a con-handful of the root-grafts, and after evening the tops, set Indian Corn might be planted but it must be kept a considerable distance from the trees, and it is not nearly so good as low heed crops. After the trees commence right hand side of the box, having the tops an inch or bearing, it would be found far more profitable to cultivate the ground regularly without planting any crops; the tiers separate across the box, a thin, narrow strip of the increased product, both in quantity and quality, would well pay for the labour, and I cannot see why it should be considered that the crop of fruit is the only one on the farm that will not pay for separate cultivation.—Meatreal Witness tion.-Montreal Witness.

ROOT GRAFTING.

This method of propagation is admirably adapted to hardy, thrifty varieties of apples, pears and plums, and as such is perhaps the most popular in the Horticultural world. Tender or unthrifty sorts, however, should never be so worked at the West—such varieties in our climate need all the additional vigour and hardthood, to its own. If set low at first, but not low enough, the quire watering in the winter. tree should be taken up and set deeper afterwards. If this is not done, the tree, we think, will be compara- and set in good, mellow soil, with the top of the scion an tively tender or shortened. But it is, with the apple inch or so above the ground. tree more particularly, that root-grafting obtains and shines forth in all its glory. That variety alone, so far as we know, is so worked in the winter season and kept in boxes till spring, at the usual grafting season.

given in an article written by us three years since for night in the water .- Wisconsin Farmer.

the Horticulturist, with, however, some few alterations. When ready to commence operations, take a lot of roots. as many as are wanted during the day, and cut them up in pieces three or four inches long—never longer— marking the upper end of the roots when necessary, in order to distinguish them, and throw the pieces into a need not have more than an inch of clear root upon it. haps, is about three-eighths or half an inch thick. When the roots are cut they should be washed by stirring and turning them a few times in the pail, and changing the

ing about half an inch in length. Atter taking out a

600 to 1,000 roots, according to their size and the close-In no case should grain crops be sown in an orchard, ness of packing. Fill the box partly full of fine earth, be no fear of disjoining the grafts in boxing, unless handled very roughly. When the box is full it should be set away in a cool, dark, moist cellar, or place where they will not freeze, nor the mice get at them.

They should be planted out as early as the ground will admit, though we have planted them as late as the middle of May, but not with so good success. The best stage, we think, for planting them out is when the buds climate need all the additional vigour and hardhized, to have burst, and the young shoots have fairly started-be gained by an exchange of their own stocks and roots but have set them when they had grown several inches. for those of seedlings. In grafting wild plums upon A week or two before putting out they should be exwild plum stocks, the graft should always be below posed to the light and air, and well watered. Should the ground a few inches, so that it may throw out roots of cellar where they are kept be very dry, they might re-

In planting out rub off all the shoots from the roots,

Root-grafting, as above, can be done at any time during the winter. The regular day's work is 500, which, however, under favourable circumstances, is an boxes till spring, at the usual grafting season.

We subjoin the usual practice in root-grafting, as day, be not all used the same day, they can be kept over