company of your children to assist in gathering But if a large apple should full 10 or the fruit. 15 feet from some high limb, and strike one of the little urchins on the head, it might leave him senseless on the ground, besides there is the loss of all such apples being bruised and unfit for market. But the advantage in favor of low trees is not only in the protecting of their bodies and in trimming, but also in the fruit being protected from being blown off by the winds, the convenience and ease of gathering the apples, bringing them in the barrel sound and fit for market, in keeping the plough away from tearing the upper and best roots, and the whiffle trees from rub-Ling off the bark from the side of the trees, the trees bearing fairer fruit, and in making the labour much less in scraping and washing their trunks. Mr. Beattie recommends the bodies to be 3 or 4 feet, but I want the limbs to branch out from the ground, then snow covers up their short podies in the winter and protects them from the frost and sun, one of the most important points. Your committee has informed the public on one very important point, in publishing the hardy kinds, all others should be abandoned. One half of the apple trees published in the American catalogue should never cross the water, or be planted this side of Toronto. for when so many fail it has a tendency to discourage men from We must search for more hardy planting. varieties, by testing new kinds that have been introduced. I shall plant out 50 or more new kinds this spring, and if I get one or two out of that number that proves hardy, I shall be well paid for my trouble. Without doubt there are more hardy kinds, and we must find them.

R. B. WERDEN.

Picton, Feb. 27th, 1832.

On the Culture of the Vine in the Open Air.

[Read before the Hamilton Horticultural Club, by D. A. McNabb, Esq., March 4th, 1862.]

Mr. PRESIDENT: SIR.—Your Secretary has assigned to me, the production of an Essay on the cultivation of the Vine "in the open air."

So important *e* subject he should have placed in the hands of a member more competent, and numbering, as our club does, so many practical gardeners, this would have been an easy task; such a course would also have brought out the fullest information, information that would convince any one having unoccupied ground 12 feet square, that it is his own fault or the time is not far distant when he can sit down under his own vine and enjoy the fruit thereof.

You (Mr. President) may be assured that it has puzzled my wits considering what course to pursue in framing such an essay—that it might be plain, simple, and to the point. The conclusion come to, is to give you the

course I annually pursue, convinced that course when followed by others will pe the same results, making Western Ce what it ought to be, a grape producing, try.

Select a piece of ground having are east aspect, and sometime during surtrench it 2 feet deep, (if not let it be perly drained) trenching in as "much tor as can be procured from any old pasture, fully avoiding animal manures of all ki

Prepare a lot of stalks 6 feet long r number according to the quantity of vie be planted, commence 4 feet from the insert the stakes 18 inches in the grour feet between each stake and 15 feet bet each row. In September or first week in tober, having obtained good strong |-(one year old) commence planting. I going to say cut your layers back to 3 but your nurseryman will do that for if you purchase the best varieties. Take inches of soil around each stake in a equal to the vine's roots to be planted. vine on the south side of the stake, car extending the main or larger roots in str lines from the stake, arranging the smaller in their natural position, with a trowelin' commence at the extreme end of the root cover them with the carth taken from circle and from the alleys, take sufficient to cover the roots with 4 inches of soil. ing it firmly with the foot, which will find planting. I would here urge the import of spending some little time even in min placing each root and rootlet in its n position; if this is carefully done, not vine in one hundred but will take not establish itself before winter sets in. No. now remains to be done but to protect the with evergreen branches, and where such not be obtained, corn stalks or any dea *litter* will be suitable.

Second Season. If the vines have covered with any kind of litter liable to, they should be examined shortly after first mild weather, taking such decard away and re-covering the vines with dry straw. During this season littlere, to be done more than keeping down and when ground is an object many kivegetables or root crops may be put in, done a circle 3 feet in diameter around vine should on no account be dug.

About the middle of May the vines, be examined, and where more than oneb, started pinch back the second to ous and the one next the ground rub clean.

During summer as the vines grow, back the later branches to one leaf, ty, vines up to the stakes. About the min July mulch the ground around each tim fresh stable manure 3 inches deep for circle around each vine 3 feet in diamet