taking off the whole of the young orcharos that have been planted within these fifteen or twenty years past, and that even the old savage, as the Canadians call it, that has stood the severity of the winters for the last fifty years, is suffering the same fate, the difficulty of giving an opinion is all the greater. When also it is observed that apple trees both in the most sheltered nooks and on the bleakest exposures, on the best alluvial soil, and on the gravelly and limestone rock, all alike share the same fate, the necessity of careful consideration is much increased. I noticed in several of the apple trees, after the severity of the winter three years ago, that many of the large limbs became disordered by their cellular tissues not admitting that uniform and free flow of sap to the outer extremities of the branches, which was necessary for healthy growth. The consequence was, that there rema ned in the trunk an overflow of sap, and some very severe freezing nights coming at the time, the sap froze, and caused the outer bark to burst; the trunk soon after presenting a This is one of black and decaying appearance. the causes to which I attribute the decay.

I have also observed in gardens and orchards, at a season when the trees are in full vigour of flower and foliage, that they have been completely denuded of their leaves by the rawages of the caterpillar; thus being left bare to the influence of a June sun, their health and vigour were seriously impaired. I have observed that trees which suffered so, for two years in succession, hardly ever recovered from the effects of it; this is one other cause to which I attribute the decay of the apple. To avoid injury to the trees, care should be taken as to the time of pruning. When this is done in the beginning of March, or, as is sometimes the case, before that time, and wounds are left bare, without any cover or protection, the influence of a hot sun by day, and hard frost by night, is such, that these wounds emit a portion of the sap, and cause the parts affected to become black, a sure forerunner of decay. In my humble opinion, that work should be deferred till later in the season. My reason for forming this opinion is, that I have observed in my practice of budding, which commences about the middle of July, for stone fruits, and continues all through August for the pear and the apple, having to cut and prune the stocks to a considerable extent, I always found the wounds, at that season, to heal up very quickly, and leave no trace of black, such as might be seen in early spring pruning. Another cause of decay, seems to me to be some kind of atmospheric agency, for I have frequently noticed a portion of the branches of apple trees, becoming black in parts where there were no Sometimes at the junction of the wounds. lateral branches with the main branch, and sometimes near the outer extremity of the Some persons attribute the appearance to lightning, but that appears to me rather

doubtful, for although thunder and lightning, common in the summer months, in Canada never noticed any parts of apple trees to blackened to the extent they now are, until the last four years past. There might, inde occasionally have been symptoms of decay: some trees, and in certain localities, but it cause in such cases was easily accounted to This commonly occurred when trees were plant in hard blue sub-soil, saturated with water at seasons of the year, without the least attention being paid to drainage. On consulting any the British authors who have written on the culture of the apple, they will all be found agree that the soil should undergo a thoron preparation previous to planting, and that should be trenched at least to the depth of t If such preparation is an essential in su a mild climate as Great Britain, it is much me so in Canada, where we have frequently such long continuance of drought in the summer, s severe frost in the winter. I have often by struck with the short life of the apple trees abr Montreal. There was an impression made. my mind, in early life, that the apple was alr lived tree. I have known apple trees in # west of Ireland, in the neighborhood of the town of Sligo, to attain the age of 150 yer and then to be bearing good crops of apples. also find that A. J. Downing, one of the m reliable and best American authors, in writ on the long age of the apple tree, says hesay Rhode Island, two trees 130 years old. however, reckons our fine garden sorts to F only from 50 to 80 years. Now, I question we could find about Montreal any of our l garden sorts half that age, that is 40 years to He also strongly recommends trenching the and says it adds greatly to the long life of. I must confess that I have not seen t proper attention paid to fruit trees in the ne. borhood of Montreal which they require have seen, in many cases, trees plan ed on. green sward, without any other preparation L simply making a hole and putting in the ta leaving it afterwards to take care of itself. such cases the result may be easily conjecta In taking up numbers of both pear and a trees, the heads of which were dead, I found that their roots were generally perfe sound, not showing the least symptom of a below the surface. The cause of decay dos. therefore lie with the root.

The question often occurs to me, shall ever see Montreal producing the fine fruits it had twenty-five years ago? The manwere then filled to overflowing with the varieties of the plum and the pear, and a production of the peach and apricot, of wall culture. Now there is no such thing would as a good Bon-chretien pear, of Autumn Bergamot, or a Burmese Sprace, or a lucious Bolman's Washington plus, of Greengage, or even a coarse Magnum Box