

six inches deeper than they stood in the nursery, because of the tenderness of the mazard or mahaleb stocks upon which we are as yet compelled to work them. When thus planted roots will be thrown out above the bud in two or three years, so that if the stock upon which it is worked should perish after that, its loss would not be material. He also advises heading the trees low, experience having been shown that sometimes the trunk will be seriously injured when exposed while the twigs show no discoloration whatever. In the Volga region the cherry is grown altogether in bush form, with several stems, like the currant or gooseberry. For nursery propagation the Professor advises most strongly root grafting the cherry, setting the grafts down to the top bud of the scion so as to favor the early emission of roots from the scion.

APPLE GROWING IN ONTARIO.

Mr. BEALL, of Lindsay, read the following paper: During the past ten years I have frequently endeavored to induce this Association to prepare a list of apple trees suitable for cultivation throughout the central and northern portions of this province. Such a list of varieties, if published in the annual report and corrected from year to year, or from time to time as might be required, thereby carrying with it the sanction and approval of the Fruit Grower's Association of Ontario, would be regarded by the public generally as a reliable list; something that could be depended on; and would do much towards giving intending purchasers of apple trees that information which is in greater requisition than any other, and hundreds of thousands of dollars might thereby annually be saved which is now paid for unsuitable stock forced on them by the peddlers; a class of gentry much more remarkable for the amount of "cheek" they possess, than for their knowledge of pomology—persons who profess to have all knowledge of the subject, but who generally know less what varieties would be suitable to the condition of the soil, climate and situation of any given locality than the intending purchaser.

My efforts in this direction were always met by the objection that the labor and expense of preparing such a list was too great for our Association to undertake at present. The necessity and desirability of the work proposed was generally admitted. I was therefore surprised to see in the *Canadian Horticulturalist* of October last, page 220, that the work which had been for so many years regarded as being too laborious and too expensive to be undertaken by the directorate had at last been completed and published. Now, although it was gratifying to find that the work I had so long advocated had been accomplished at last, I must say that the work as executed did not meet with my approbation, and I venture to assert, sir, that it does not meet your approbation or the approval of any other person in this hall. But, I may be mistaken. I will therefore read the list so that all may judge of its suitability to that portion of Ontario north of Southern Ontario.*

"A List of Hardy Apples for the Cold North—For summer: Yellow Transparent, Tetofsky. For autumn: Duchess of Oldenburgh, Alexander, McMahon's White, St. Lawrence, Switzer. For winter: Wealthy, Scott's Winter, McIntosh Red, Fameuse, Bethel of Vermont."

Let us look for a moment at these varieties separately. For summer: 1st. "Yellow Transparent." A new apple, but little known. Spoken favorably of by many; I hope its present reputation may be established after a lengthened trial. 2nd. "Tetofsky." The most worthless apple ever introduced for cultivation in this province.

For autumn—1st. "Duchess of Oldenburgh." This is one of the best and most profitable of our early apples. But, is it an autumn variety? I prefer calling it a summer apple. 2nd. "Alexander." Very good. 3rd. "McMahon's White." A new variety owned by Mr. A. L. Hatch, a nurseryman of Ithaca, Wisconsin. This apple

*By consulting the article referred to, it will be seen that the list was not intended for Central Ontario, but only for "The Cold North," by which we understand such parts as are subject to a temperature of 40° below zero. The list was prepared by a gentleman of ripe experiences in hardy fruits, Dr. Hoskins of Newport, Vt., and for the section of country for which it is intended we doubt if the list could be improved upon.—Secretary.

was admitted in 1885. gentleman t suitability c are so total and, one wo known.

For win cultivated fo winter varie earlier. 2nd "McIntosh" qualities wh extensively. classes it; an

Of the t generally gro varieties, of e Spy" should Southern On

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Mr. Croi Ontario. Mr Saunders wher "ten or twelv abundant evid the finer variet Orillia and Ba shores of the C are produced.

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The mea three summer r 63.6°. Paris, be observed, ha

Now, if w westward, we sl cultivated.

Starting fr across the Bay c it crosses the 45° still more to the a little south of continuing on th Haliburton, then

*Dr. Hos