

such a library the experience and genius of the present and past ages would be concentrated, and as fast as new works came out, they would, as a matter of course, be ordered, so that the farmers in such a community would be in possession of the latest improvements, and their minds would be literally stored with the most productive description of knowledge, which would in a short time tend to make them intelligent and wealthy. Owing to the want of such a united band of farmers as has been here pictured to the fancy, and also to the very general opinion which prevails among farmers, that they as a class have *no time to read*, it is extremely doubtful that one-fourth of the number we have mentioned, could be found in a single township in Canada, who would voluntarily tax themselves the small sum of one dollar yearly for the establishment of an Agricultural Library. There has been so much said on this subject of late, that it is possible a successful beginning might be made the present winter; and although the appearances may at first look dark, we will venture to predict that success will crown the efforts of all who engage in this patriotic enterprise, if they but adopt for their motto, perseverance and honesty of purpose.

St. Catharines Nursery.

We have frequently brought this meritorious Nursery Establishment into favorable notice before the Canadian public, and as, we have been lately favored with a Catalogue for 1845, we deem it a duty we owe its enterprising proprietor, Doctor Chancey Beadle, as well as our subscribers, to again offer our meed of praise to an establishment which has already rendered the province much valuable service. We learn by the catalogue in question, that Dr. B. now gives his undivided attention to the Nursery and Horticultural business, and that he intends to exert his utmost tact to please his numerous customers. This announcement we feel confident will be as gratifying to our numerous intelligent readers as it is to ourself; because all lovers of good fruit cannot otherwise but rejoice to hear that the largest Nursery establishment in the province is improving in ratio with the other leading improvements of the day. Many sections of Canada are well adapted for the cultivation of apples, pears, plums, cherries, and peaches; and take one year with another, the country might be supplied with those fruits, of its own growth, and

the most favorable seasons large quantities might be exported. As far east as the district of Montreal the apple is cultivated exclusively for the British market; and one gentleman in the neighborhood of the Canadian metropolis exports in favourable years many hundred barrels of a few choice varieties of this fruit to London, for which he gets from six to eight dollars per barrel. These instances, however, are rare, and instead of Canada being an exporting country of fruit, thousands of pounds of bullion are yearly paid to the American farmers for varieties of fruit which could be successfully and profitably produced at home.

Apples, plums and cherries, do better in northern than in southern latitudes, and if the best varieties of those fruits were cultivated extensively, the demand would be found to increase with the productions. Our farmers and others who have land to cultivate, would do well to look to this matter, and if they study their own and their country's interest, they will patronise such Nursery establishments as are conducted on scientific principles.

In looking over the Catalogue, we find that there are cultivated in the St. Catharines Nursery, 13 celebrated varieties of summer and 64 of autumn & winter apples; 16 varieties of peaches, 5 of plums, 21 of cherries, and 4 of nectarines. The collection on the whole is alike creditable to the proprietor and the province. At the opening of navigation we purpose to visit Dr. Beadle's Nursery, and shall then be able to speak more advisedly on the extent and description of his business.

A Good Invention.—Mr. Earnest Mars, cabinet-maker, of New York, has invented a mode of propelling the fire engine, by which it can be worked by a less number of men and with much greater ease than by the brake, the present mode. By means of a screw, turned in a moment by a crank attached, the machine is lifted from the ground when required to be set in operation, and the hind wheels made to serve as fly wheels. With the aid of a rope attached to the fly wheels, the machine can be worked by eight men on two hundred, so that any persons at the fire, disposed to lend a hand, have only to lay hold of the rope and assist to give motion to the fly wheels. *N. Y. Paper.*