THE CANADA PROVISION TRADE.

A movement is being made in several of now the only bar to its general use : in fat-Laverpool. This arises from a defect in carth. the quality of our beef. Improvement in | We take our beef, as we do the rest of and 4th, kila-drying. our surplus produce, to the Euclish mar-Ket; which is, in fact, the world's market, or fifty hours, care being taken that the gran a Township Cattle Show, the field of com- matter. petition is comparatively narrow ; but still | Couching is the operation of spreading the he prepares for the friendly contest. He steeped gram on the floor, or sometimes enclosperhaps intends to exhibit an ox, the breed- ing it within boards, called, couch frames. The coming up very close to the line of perfec- the grain has absorbed, produces germination, fore does all he can to add to the weight ture to be observed is from 55° to 62° and increase the quality of his own ; conscious, that without great care on his own more than three-fourths or four-titths the ing ; and when the anxiously looked for day of) days. Mult cannot well be made in the sumhe had exercised less care, judgment, and in- in hot weather. dustry, his neighbour would have left him behind in the race of competition. This is an vegetation. The heat is commenced at about illustration, on a small scale, of the prepa- 900 and very gradually raised to about ration to be made, and the competition to 1400, and sometimes even as high as 1700. be encountered, at the shambles of London | If the temperature be too high before the malt and Liverpool. There he has to compete is thoroughly dried, there will be a great loss with beef fed in every conceivable way ; of saccharine matter. The lower the degree every available kind of food has been made of heat with which the malt is dried, the use of to produce the beef he finds there. more sugar will it contain. This is impor-The Englishman has had recourse to oilcake, oats, carefully cut turnipst and a great tween three and four times the quantity of variety of other vegetables and preparations. He finds foreign beef that has been fed on malt, oil-cake, and other articles, of which he has not availed hunself ; he finds, in short, that he gets the very lowest market price for his beef: the high prices, which may be regarded in the light of premiums, are all carried off by others. But still he has no equal to any in the world. As many farmers self-reproaches; he has sold his beef in Amherstburg, or London, or Hamilton, or Toronto, or Cobourg, or Kingston, or Montreal, and he gives himself no further trouble about it : he knows that he has sold Journal we shall enter fully into the subject it; but he does not know, and apparently he does not care, whether he has been able to obtain the highest market price. This general apathy must be overcome. Our farmers are able to compete with those of any country in Europe ; for, if they have not advantages that others possess, they are free from many disadvantages that others are not, and, therefore, stand very nearly upon an equality. Let them no longer tacutly acknowledge an farmer of Cayuga Co., N. Y., he described next spring. Some of them will not vegetate inferiority that does not exist. But they the method by which he saved his corn crop until the following season. They may be sown world; and the glory of the triumph will be measured by the magnitude of the difficulty a bushel per square rod of land, and their will vegetate. they have overcome. The competitors are numerous, but the race-ground is even. The rack-rents, the tithes, and high taxes, which fall so heavy a burden on the English for corn, but continued mostly among the down, will grow bushy, and its branches will prefarmer, are far more than a set-off to the roots of the grass. His object, therefore, sent an almost impeneirable barrier to hogs and deduction from the English price, that our

freight, insurance, commission, &c. Cauadian farmer, then, can compete with the being rather heavy. The surface was then English farmer : but he must improve upon the Agricultural districts of England, to his present practice, and adopt the best effect the abolition of the malt tax, as a practices of English farmers. And he may preliminary step to the adoption of malt as act upon plans which the English farmer cana common article for fattening cattle. The not adopt. For example, he may feed his great value of malt for this purpose has cattle on malt, which, from the heavy tax ments; and the duty, which amounts to therman amount it. more than 3s. 9d. currency per bushel, is himself: no expensive machinery is required. Burley is rendered more valuable for the tening sheep also it has been found highly food of animals by the process of malting, by valuable. Why should not our farmers which a portion of the starchy matter of the make use of malt in fattening their cattle ! grain is converted into sugar. This process There is no tax upon it; and, if used, a of conversion is occasioned by the growth of superior quality of beet would be produced, the grain, the sugar being produced for Canada beef 19 not worth near so much as the sustemance of the young roots before they English beet in the markets of London and are enpable of extracting their food from the

Malting consists of four distinct operations. the method of feeding must be adopted. 1st. steeping ; 2nd, conching ; 3rd, flooring ;

where we meet the world's competition. is well covered with water. The absorption To be able to carry off the best prizes, we of water will increase the weight of the grain must produce the best articles. When a nbout 20 per cent.; when the increase is farmer competes for a puze at our Pro-greater the acrospire will have grown too vincial Exhibition, or at a County or even, much, and occasioned a waste of saccharine

ing and symmetry of which he regards as sweating occasioned by the moisture, which tion : but he knows a neighbour who in- in which regularity is secured by constant tends to exhibit a similar animal : he there- turning of the heap. The proper tempera-The acrospire should not be suffered to grow part, his more active neighbour will carry length of the grain, otherwise there will be off the prize. He is sure of being second, a loss of saccharine matter, to increase which if not first, of ten competitors : his breed is the sole object of malting, when the mult has been selected with care; he has paid the is intended as food for cattle or sheep. The most serupulous attention to the mode offeed- (couching generally occupies about fourteen exhibition arrives, he carries off the prize. If mer, as the growing goes on much too rapid

> The kiln-drying at once checks all further tant to be borne in mind. Malt contains besugar that raw barley contains.

We have described the process of Malting on account of the alleged value of malt in feeding cattle. Though we have spoken of barley, any gram is convertable into malt. Here is an article of food, the use of which, with an improved breed, would make our beef use grain in fattening cattle, a great saving would be produced by converting it into malt.

The use of oil-cake, also, should no longer be neglected. In future numbers of our of growing linsced, for which our chmate and soil are well adapted. The making and use of oil-cake, and every other means calculated to improve the character of our Provision trade, will have our attention.

DESTROYING THE GRUB AND WIRE-WORM.

ravages were great. He ascertained by observation that they did not descend deep into, the soil at the usual time of ploughing sward land was to bury them alive. This he accomplish- cantle. It is a hardy and long-lived tree .-- [Amerifarmers have to submit to, in the shape of ed by turning over the sod with a powerful can paper-

The team to a depth of at least 8 inches, the soil pressed down evenly and firmly with a heavy roller. By this process several inches of compact soil lay above the region of the wireworms, and as a consequence, whenever they attempted to pass upwards to the surface, they met with too formidable a resistence to penetrate. Hence, they continued with the grass below, and perished with its decay. Whether this be the true explanation or not, one thing was certain,-that where the corn was formerly almost wholly destroyed, it is now full and even in the rows, without the usual, numerous vacant spaces over the field, always existing under the old practice.

By a similar process of observation, he was enabled to destroy the grubs. He discovered that these depredators, instead of remaining at the surface, like the wire-worm, descend deeply, and hence that deep ploughing brings nearly all of them to the surface. Hence by the use of a heavy roller, many of them were crushed, and the remainder immovably compressed in the solid earth, till a five toothed harrow passing over the surface, tore out and destroyed them. The utility of this practice, like that of the former, has been amply proved by successful experiment .- [Albany Cultivator.

FINE WOOL-MANAGEMENT OF SHEEP.

Mr. Ebenezer Bridge, of Pomfret, Vt., has furnished us with some excellent specimens of fine wool from his floc! of Paular Merino sheep. His flock consists of 4 or 500. The average weight of fleeces, when washed, is 44 lbs. One stock buck produced 114 lbs. washed wool. The fleece of one year weighing 74 lbs. One ewe, two years old, yielded 7 lbs. of superior wool, a sample of which we have seen. 25 yearling bucks all May lambs, produced on an average, 54 lbs to the fleece. 119 yearings, being all retained of this age, all May lambs, averaged 34 lbs. to the fleece.

The specimens of wool which Mr. B, has furnished are of a fine and beautiful texture.

The price at which we have sold his wool for three years past have averaged 374 cents per pound and he finds the business of wool growing to be very good at these prices.

In his winter management they are fed with good hay in the morning and at night, and with wheat and oat straw, cleanly thrashed, at noon. He gives his ewes grain about two weeks, between hay and grass, which is usually the latter part of April. A peck of corn is fed daily to 100 sheep. His lambs have half this quantity of grain all winter, excepting when they have roots .-- His sheep have free excess to pure water at all seasons.

About sixteen years ago he kept a flock without water in the winter, as many farmers practice, and they became poor and lost their jambs, while another flock that had water, and the same keeping otherwise did well. Mr. B. thinks that water is also necessary for sheep in the summer. He keeps about 100 in a flock in winter, and usually not more than that in summer.

His sheep have no lambs till May; in connection with this arrangement the ewes have grain about three weeks, commencing the first of December .-- [Boston Cultivator.

HEDGES.

The native thorn, (Cratazgus Crusgalli) sometimes called cockspur thorn, makes an excellent hedge. The seeds are difficult to manage, but if In a recent conversation with an intelligent them immediately. Many of them will come up must feel their position: they must bear in from the destruction of the wire-worm and in a box and kept in an exposed situation. The mund that they are competing with all the grab. The former of these depredators ap- seeds of evergreens may, as soon as ripe, be sown peared in such numbers-something less than in a box, and left exposed until spring' when they

We think our cedar would make an admirable evergreen hedge.

Beech nuts may be gathered and sown now Cover them slightly. The beech, if kept headed

CORRESPONDENCE.

For the Canada Farmer. AGRICULTURAL HINTS.

Coal tar, diluted with water, allords the best and most economical preservation against the ravages of the langerous fly. It is to be sprinkled over such trees as are infested with the insect.

It has been ascertained that hemp is not, of itself, prejudicial to other crops; but, like othe. plants, if it be suffered to remain too long upon the ground it injures the productive power of the land, with respect to certain descriptions of produco.

It is well known, says the Parisian Society of Agriculture, that trees die away when their roots come in contact with the roots of decayed oak trees. The cause of this seems to be, that certain dead roots are susceptible of a cryptocamic vegetation, which is propogated by contact, and destroys healthy vegetation.

The Parisian Agricultural Society is of opinion that the shortning of the branches of fruit trees imparts additional vigour; and that the removal of the large vertical roots (tap roots, I presume) has, in general, a pernicious offect. J. J.

CULTIVATION OF THE WINDSOR BEAN. To the Editors of the Canada Farmer.

Sins,-As I have seen no attempt to cultivate the Windsor Bean, in Canada, I have thought that a short description of the mode in which I have seen it successfully cultivated in England, might he useful to the farmers of this country.

Of this species of bean, there are three varictics; all similar in shape, size and appearance, except colour, in which they differ. The Green bean, being of the colour indicated by its name; the Windsor is brownsh, and another variety, the name of which I forget, inclines more to white. In shape they are flat: about an inch and one-eight in length, and half an inch in width. This short description is necessary from the fact that the bean is almost unknown to our native Canadian Farmers.

Even in England they have not been grown to that extent which a wise economy would have dictated, as a general rule, their cultivation is confined rather to the garden than the farm: but I have seen several acres of them grown together in a field, and with careful management, the crop proved exceedingly prolific; the yield per acre, averaging nearly 70 bushels. They are unsuited to a sandy soil; and owing to the largeness and weight of their stalks on which the wind takes great effect, their roots can acquire a sufficiently firm hold in no soil but a pretty strong clay or marl. The time for setting them is as early in the Spring as the ground is ready to receive them. They should be planted in rows two feet apart, and about four inches distant in the row. The method of seting which I have seen practised in England, where they have been grown on a large scale, was this :- The land after having been ploughed, and become sufficiently dry, was broken down with a pair of light harrows; then, to ensure regularity, a line was drawn along the ground, and holes were made with a common aibblingtron. Boys or girls, then dropped one bean into each hole, and the seed was afterwards covered by again harrowing the land.

When the plants are a few inches high, the crop requires acceding, which can be most easily done with a horse-loe, or a Cultivair, for the passing of which between the two rows, there will be sufficient space.

This crop will leave the land in a fine state for raising wheat, and when a dead fallow is necessary, it comes in best between a bean and wheat crop.

'The Windsor bean in its green state, is preeminently valuable for the table; for which puryou should gather them now, put them into scald- pose it is to be found for sale at every market ing water, and let then lie until cold and plant throughout England. In its hard state it serves as excellent food for horses, cattle or hogs .-From its flatness it is difficult to grind; and indeed an attempt to grind a quantity of these beans, has rather the effect of bruising them -Boiling or steaming answers well when they are required as food for cattle or hogs. The best pork I ever saw was fed on these beans.

The adaptation of the Windsor bean to the climate and soil of Canada, might be tested on a scale that would preclude the possibility of loss, and if the result were favorable, greachenefit would arise to our farmers from its regular cultivation.

RUSTICUS Nelson, Gore District.