The heifer was full of waste, two. much too fat, so that the tallow chandler got a good deal of her weight, while the steer cut up well We and was in no part overdone We always distrust those torribly fine bones. The only fault we can find with the Shorthorn is that his underline is not so straight as it might be, but the underline of a steer is never so perfect as that feature in a heifer.

Ste Anne de la Pérade, who said, at a purpose is concorned. In many cases long past meeting of the Dairymen's where a supply of roots is available, Association, that he could not afford straw can be fed to great advantage to send the milk of his Jorseys to a in connection with them, for while it cheesery, as it paid him much better is not capable of scientific demonstra-to send it to a creamery? In those tion we are satisfied from actual pracbut, even now, many people distrust -not the test, but the tester-and doubt, with reason too we fear, if the general run of cheese-makers are com retent to apply the instrument satis factorily. Hence, the vital necessity of universalising, if we may coin the word, the syndicates; and even if they really did become universal there would still remain many who would say, with Hoard's Dairyman accounting for. There is no reason why the milk from Jersey cows should not make the best quality of any kind of a cheese, but a more important question is whether the producer of such milk can afford to have it made into cheese of Hyacinthe; so that, altogether we may any sort. As a rule it will pay much hope to see this novel industry flourish-better to use such milk for battermaking.

Mushrooms.-This paragraph ought properly to form part of the depart-ment "Household"; but it shall be a ment "Household"; but it shall be a very short one A writer, in Landreth s "List of seeds, &c.," proposes to teach people how to cook that delicious comestible, the mushroom : "Wash thoroughly, remove the stems, and fill the cavities with finely chopped par-sley and onions /" Conceive such a horror! Onions and mushroems! The coarsest of all flavours added to the most delicate of all flavours! The who wrote the above recipe man deserves to be fed on half-boiled rice and underdone veal for the remainder of the term of his natural life.

Value of roots as cattle-food. -Some years ago, a correspondent of this periodical essayed to prove, from the anglysis, that a ton of mangels could not be worth more than fifty cents I Well, we need hardly say that we did not agree with him, holding, as we did then and do now, that no chemical analysis was worth a farthing compared with the synthesis the animals of the farm made in their own proper interiors. We held then, and hold still, that a few tons of turnips grown in, say, Aberdeenshire, will, with good oat-straw, turn out a bullock fat enough for any market ; whereas, a few tons of turnips grown going; and, yet, no chemist alive can, by analysis, show any material difference between the two lots of roots.

we still hold the same opinion, that, it, but also to his neighbors. what the chemist puts down under the head of water in his analysis contains head of water in his analysis contains (1) Why so much latin ' Grain-growing something differing from the fluid is pure Beglish.—Bo.

Brido's half sister Bridesmaid of Ben-ton. Altogether, without reckoning the Queen's Cup, the winnings amount to £480, while the heifer has been sold led many of the more practical mon for 150 gs. However, when the beasts came to the block test, the Shorthoin turned out by far the more profitable of the the block test, the Shorthoin turned the block test, the pleasant sight to us.

> The Feeding Value of Roots.-Tho experiment stations do not seem to agree on the exact value of root crops for feeding purposes, but they have a greater value than can be detected by chomical analysis. Every farmer has straw in abun-

dance, and this is not highly esteemed as a foud for stock, and is often pra-Was it not the Hon. J. J. Ross, of tically wasted so far as its use for this days, the Babcock test had not yet tice that roots, add to the digestive been applied to the paying for milk ability of the animal to which they according to its contents in butter fat, are fed, and if a liberal supply of roots is given them they will cat straw that has been well taken care of with a relish, and thrive Licely on them.

A crop of roots is easily raised and they are the cheapest source of succul ence possible to the average farmer. It is to be hoped that they will come into great favor and be more generally known.-(Farm and Home.)

Sugar bests.-We hear, from M. des Etangs, that the Berthier beet-sugar factory will be in fall vogue again next season. M. J. do L. Taché and M. E. Castol, both say that thousands of tons of beets will be sent down from St ing at last.

Dr Wiley, whose article on this crop we append, though his views on political economy are heterodox in the extreme, hold very sensible ideas on the question of beet-growing, but we wonder how his countrymen like the expression of his opinion as to the "curse of American agriculturo being its slovenliness

Dr Wiley on the sugar-beet industry. -The culture of the sugar-beet is intensive culture. It is a kind of agriculture which can be carried on with ...ds, where ordinary hig crops or creals would not pay It is already difficult in this country to grow wheat, maixe or oats on land worth \$100 an acre. The fixed charges on such land are high, \$6 or \$7 an ucre, and these fixed charges, together with the high taxes which are paid, eat up the profits of cereal culture. (1) Such lands, however, could be profitably cultivated in sugar beets, where the yield per acro is higher and the returns are to the farmer for intense culture and high fertilization. An instance of this is seen in Chino, where lands have rapidly increased in value under the stimulus of beet culture, and farmers get high returns from the

growth of the sugar beet. The establishment of sugar beet culture becomes a true object lesson in agriculture. Every field, properly cultivated in beets, becomes an agricul tural experiment station. The influence in, say, Kent, will, with good oat of beet culture is felt upon every other straw, only keep a flock of sheep just crop. The yield par acre of coreals, root crops and grasses is always found higher in a community after the intronce between the two lots of roots. duction of beet culture. It is a blessing Wherefore we then concluded and hot only to the person who engages in

Slovenly agriculture is impossible with the sugar best, and the curse of American agriculturo is its sloven-

hness. If there is one thing our farmers need to learn more than another, it is how to farm. Another great argument in favor of an indigenous industry is the stimulus which it will give to American agriculture. The markets for our farm products are now over-stocked and the prices of our farm products are phenomenally low. As I have often pointed out, the nation which exports its agricultural products as a source of revenue must eventually become pauperized. It sends out of its The boundaries blood and marrow. only agricultural products which can safely be exported are sugar, oil and cotton. The establishment of an indigenous sugar industry would render it unnecessary to send agricultural products away from home in order to get money to buy our sugar. We would havo a larger homo market, a larger home consumption and less necessity for going outside to purchase. The mere fact that over \$100,000,000 in gold would be kept at home annually, in the price of sugar alone, is a matter of no mean importance. When you add to this the stimulus to agriculture and other industries which the establish ment of an indigenous sugar industry would give, we see an advantage to Amorican agriculturo which is almost incalculable.

Does the good Doctor really beleive that \$100,000,000 in gold are sent out of the country in payment for sugar? A short of course of Adam Smith and Mill would teach him better.

Timothy. - We have often expressed our surprise at the persistence that is shown by the farmers of this province in places far removed from markets in seeding down with timothy. And that we are not alone in this feeling of surprise, is shown by the following letter from an extensive farmer in the State of Massachusette. If any thing is needed by farmers here, it is permanent pastures, and it must be clear by this time that the most unpermanent of grasses is time-thy. Not that we should fed inclined, as the writer of the quotation seems to be to emit time the static because to be, to omit timothy entirely from the list of a combination of seeds for permanent pasture, for it fills up the sward for a couple of years at any rate, at the end of which time some of the natural grasses of the country will be at hand, ready to fill up its vacated place.

No Timothy Wanted. - Occasions where a reader of the Country Gentleman feels justified in thinking that he knows as much about an agricultural topic as the editor of that paper are so rare that when one does occur it is worth making a note of. Hence this communication, which is suggested by your advice to Mr. Bond, to make timothy the predominating grass for a permanent pasture. I consider timothy one of the poorest to sow for pasture. It is short-lived at best. It is slow to start after having been cut, or eaten off. Its bulbous root at the surface of the ground is easily destroyed by close cropping, or by the tread of cattle or horses, especially the latter. Alone, it can never be made to form a good turf—in fact, when growing with the better grasses, its presence among them seems to prevent the formation of that fine, close, compact sod without which no land can be rated as first class pasture. In a combination of seeds for a per-

## THE ADVANTAGES of a VARIETY OF CROPS.

## (By the Editor.)

As was remarked, some years ago, by the Hon. J. J. Ross, at one of the Annual Meetings of the Dairymon's Association of the province, it is not judicious to put all one's eggs into the same basket. Growing wheat, year after year, on the same land, has not proved a lusting source of wealth to the people of Manitoba and the North-West; the production of consecutive crops of tobacco on the same land has ruined many a prosporous farmer in the South; and we fear greatly that, unless a vory great chaoge takes place in the mercantile economy of the world, the entire devotion of our own people to the production of dairy-goods will not, in the long run, con-duce to their welfare. Dairying is good, and has in the past stood us in good stead ; but the time has come, it seems to us, that our farmers should look about thom a little, and see what others are doing. New Zealand, Aus-tralia, Denmark, France, all these countries are entwring into competi-tion with us for a share, nay for a proponderating share, of the English market: and who are we against so many? Look at price-list :

Brockville cheese 9<sup>1</sup>/<sub>2</sub>, cts. a pound, Creamery-fall butter 20 cts. a pound. Yesterday, in Sto-Catherine Street, Montreal, we saw in one of the lead ing grocers' window the following : roll butter-18 cts. a ponnd. The butter must have been pretty good or Mr. Walter Paul would not have had it for sale.

All these things must bring consideration in their trail. It seems clear that we can no longer depend upon one line of goods for a living, and the point now is to ponder deeply the present state of the world's commerce and see if it would not be wiser to diversify our production of farm-wares, and supply the markets both at heme and abroad, with more articles than we at present have to offer.

There are many things our farms are calculated to yield that are at present scarce. For instance: good short wool mutton; long, leanish hogs for conversion into hams and bacon; flaxseed; tomatoes for canning; cu-cumbers or gherkins for pickling; onions for cooking and for pickling; green peas for the table and for can ning, and string-beans, or as we call them in England, French-beans, both for canning and the table : these last two vegetables can never be found, oven in Montreal, fit to eat; the reason why, we will state further on. Who over ate a good white-turnip, here? Far superior to any yellow-turnip or swede, the white-turnip, a most deli-cions vegetable, is uttorly unknown in this country until too old to be worth eating.

A CALL OF DESIGNATION

And first of good short-wool mutton. You cannot jump into a good flock of sheep at a shot. To begin with, very few of you keep a sufficient number of ewes to make it worth your while to lay out money in the pur-chase of a first-rate ram. The average flock here, we suppose, runs to about 15 ewes. A good Shropshire ram will cost at last \$50.00, which would make each ewe's service come to between three and four dollars, and as it is not much the habit of the ewes to twin, each lamb will cost some two and a half dollars, which will make the flock a long time before it pays.

A good Hampshiro-down lamb-ram can be bought of Mr. James Wood, manent pasture, I should omit timothy. Mount-Kisco, New-York, for \$25.00,