consist of what are called. "Acts of the same as our Township farmers live. husbandry," such as ploughings, manurings, &c., and for seed on clover practice in the above counties, is received a letter from a Glo'stershire charged \$18.00 an acre, but, this fold land owner stating that his rents had ing—at the rate of 4840 sheep for one been paid in full on the day appointed, sufficient dressing for 1. a wheat crop; same as they were in the year 1852 wheat crop, and perhaps a crop of to the estate. oats or pease as well. Still, with all No; the cry comes from the grain-

The morning after our arrival, after a short turn round the cowhouse, &c., the flock, inquired what ewes had lambed during the past night, and treatment of the ewes and their pro-geny during the day. The bailiff, geny during the day. steward, or grieve as the Scotch call him, we rode on to visit the plough-teams, six of which were engaged in breaking up a piece of land, after sheep-fed turnips, in preparation for barley. A drill wheels, about 600 lbs. each drawn by one horse, followed each pair of bear and a crust of bread and cheese refreshed us after our ride, and at 2 o'clock we dined. At 4, another turn round the farm, tea at 530, and supper at 9, followed, after one glass of brandy and water, by bed at 10.

It will be observed that neither the farmer nor his bailiff put their hands to any implement throughout the day. market twice a week, the farmer kept, quite at their case books of some sort, and did the business at the bank, which latter work must have been an easy job enough, but he did no work of any kind, and, I have no doubt, would not have been able to plough half an acre of land in a day, had his life depended upon it.

But this easy style of life was not universal in England in the days of which we are writing. The great grain-growing tenants of the lighter lands lived like the man whose habits we have described; but change the scene to the dairy-district, to Glostershire, for ins- no high tariff to comfort him. tance, and an entire change of scene confronts us. Up at dawn, with their wives and daughters, the cows are milked and the laborious work of cheese, making carried on by the tenant farmer and his family, in most cases without hired assistants. The farmer

And what is the consequence of these two so very different ways of leys, hay, straw, &c. In the home conducting a business? We have all counties such as Surrey, Kent, &c., they heard the cries of "runed agriusually amount to from £3.5 to £3 culture" that are now resounding 10 - \$16.00 to \$18.00 an acre, and throughout England. From what class form a tarrible charge on the income. form a terrible charge on the incom-ing tenant's capital. A folding of sheep, alone, on an acre of fallow, a common no means. Only last week, the writer night on an acre—is supposed to be which rents, by the bye, are just the 2. clover, cut twice for hay; 3. a when the present proprietor succeeded

these outgoings, Rigden made large growers, the graziers, the flock-mas profits out of his occupation; more ters, who have been so long accusthan ever will be made out of that land tomed to do nothing but superintend, again by farming, seeing that it is now that, now the real crash has come, they all covered by houses of the most can do no earthly thing to help themcharming description But let us selves, but run bawling to government return to our subject: the way in to implore its aid at no matter what which the farmer, and his pupil, spent detriment to their industrious fellowcountrymen, the working men and women of England Landfords in the above districts have lowered rents unour horses were brought to the door, til what remains to them barely rejust as we had finished breackfast, we presents, in many cases, the interest mounted, rode round the farm, visited of the money expended by them on their predecessors in the erection of buildings and in other permanent imgave the shepherd instructions for the provements; tithes, as a Bishop of the Anglican communion wrote to us the other day, have fallen at least 25% No help can be looked for from these met us close by the lambing-shed, on sources. What, then, can the grainhis horse, and, after some conversation, grower and the others do? Well, they can go to work as the dairy-farmers, and as I believe their Northumberland, Westmoreland, and Cumberland brothren, do. There is no other salvation presser, consisting of two east iron for them, unless, and may Heaven forbid it, another war, like the Crimean use the roller. war, disturb the peace of Europe, and, ploughs; the consol dation of this once more, runs the price of wheat and son report that gladdens the heart of shattery land by the presser being of meat up the starvation level of 185. the writer of this review: great importance when wheat or bar- Currously enough, just as we had writley is to follow. At eleven, a glass of ten so far, the Montreal Star was drop-station. Shropshire sheep pastured on haulm is as good as pease-straw, the ped at our door by the boy, and in it we rape for thirty two days in the fall found the annexed extract from a made a gain in live weight of 34 adopted to ensilement. Care should be speech by Mr Goldwin Smith. Mr. Rigpounds, while the same number of the sheep fed on timethy hay during the gentleman," and Madame was as well same period gained only 16 pounds. broll a woman as one often meets. They repelled the same period gained only 16 pounds. People, then are really beginning the superintendence of Prof. Goess-kept a governess for the education of to attend to these who like our education. The farmer, or his bailiff, -a most inva-luable servant - attended Brighton able, though they would have been seed is for sheep. We hope the mana

to bear these facts in mind when read- is an extravagant food, and the above more effective, the calculated yield of ing the "blue ruin' articles in the experiment proves it. Ministerial press on the sad condition

## Reviews.

## U S Ex Station Records

We have all practically known for

	Un- manured		Manured.		نه
	Dry Stall	Water	liry seil	Wter	Differ nº e.
Surface to 2 ft 2 feet to 4 feet 4 feet to 5 feet Sums.	130,55 185 85 100,00	10 1 33,6 18 7	180,80	18,16 31.65 17,73	0.95 1.95 0.56

The "water table" represents that part of the subsoil that lies at a dopth unaffected by evaporation. To lower this as far as possible is the great object of deep as distinguished from shallow drainage of heavy land.

At the Maine station, onto were sown after barley and after pease: the crop was no better in the latter than in the former case.

Happy Minnesota farmers! Their land is so rich, even after from ten to twenty successive crops of wheat without manure, that " neither nitrogon, potash, nor phosphoric acid will pay for grain-crops." In 1890, experiments were instituted to find out the cause of the falling off of the yield of grain in that State, and now the deci and succeeded admirably. The only ion is that the diminished returns are due to climatic condition, such as hot winds, hot sun, insects, joulness of neither will sweet corn, and the quan-land, and, as we should have expected tity of seed required for one acro is so the neglect of our favourite panacea trifling, that, if the crop answers, it the ROLLER: in other words, as the report puts it, " to the too loose mechanical condition of the soil" We have no doubt that one of the chief causes

Here is a passage from the Minnethe writer of this review:

Rape was successfully grown at the

kept a governess for the education of to attend to those who, like ourselves, their children, and if a labourer had sat | have been trying to show the farmers down to dinner with them, we do not of the Northern part of this continent think he would have felt very comfort- how valuable a crop the rape or colequite at their ease

"Mr Goldwin Smith tells us that account of the crops that follow the the English farmer, as a rule, is not a man who works much with his own hands. He superintends the work of hired laborers, he is half a gentleman and his wife is half a lady. They do should never be given to sheep, when not eat with the laborers. No farmer any leguminous provision exists, it is could live here who did not work hard timothy hay. Valuable it no doubt is with his own hands." It is just as well for horses, but for cows and sheep it to bear these facts in mind when read-tis an extravagant food, and the above more effective, the calculated yield of

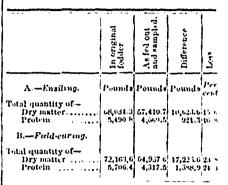
Potato-sets, at the Louisiana station, silage. of the English farmer, who, alas! has were found to yield the greatest crop no high tariff to comfort him.' when the largest were planted, "but in other words, planting large whole is, that when planting on a large scale, four eyes should be cut to a set.

The cost of growing sugar beets at or his sons plough the triffing extent many years that land well manured the Minnesota station, on weedy butter cannot be made from heavy of arable land on their holding—about with farmyaid dung was more retentland, (!) was \$3.25 a ton; on clean feeding of either raw sugar beets or 4% of the whole—; they cart out and tive of moisture than land undressed land, \$2.09. About 20 lbs. of seed to raw potatoes. spread the dung; knock about the with that material. It is always agree—the area is recommended. Why 5 lbs. of seed to with that material. It is always agree—the area is recommended. Why 5 lbs. of many of mangel seed is sufficient and 20 lbs. of seed to with that material. It is always agree—the area is recommended. Why 5 lbs. of many of mangel seed is sufficient and 20 lbs. of seed to with that material. It is always agree—the area is recommended. Why 5 lbs. of seed to with that material. It is always agree—the area is recommended. Why 5 lbs. of seed to with a supposing that the area is recommended. Why 5 lbs. of seed to with a supposing that the area is recommended. Why 5 lbs. of seed to with that material. It is always agree—the area is recommended. Why 5 lbs. of seed to with a supposing that the area is recommended. Why 5 lbs. of seed to with a supposing that the area is recommended. Why 5 lbs. of seed to with a supposing that the area is recommended. Why 5 lbs. of seed to with a supposing that the area is recommended. Why 5 lbs. of seed to with a supposing that the area is recommended. Why 5 lbs. of seed to with a supposing that the area is recommended. Why 5 lbs. of seed to with a supposing that the area is recommended. Why 5 lbs. of seed to with a supposing that the area is recommended. Why 5 lbs. of seed to with a supposing that the area is recommended. Why 5 lbs. of seed to with a supposing that the area is recommended. Why 5 lbs. of seed to with a supposing that the area is recommended. Why 5 lbs. of seed to with a supposing that the area is recommended. Why 5 lbs. of seed to with a supposing that the area is recommended. Why 5 lbs. of seed to with a supposing that the area is recommended. Why 5 lbs. of seed to with a supposing that the area is recommended. Why 5 lbs. of seed to with a supposing that the area is recommended. Why 5 lbs. of seed to with a supposing that the area is recommended. Why 5 lbs. of supposing that the area is recommended. Why 5 lbs. of supposing that the area is recommended. Wh

plants of sugar-boots than of mangels on an acre.

Great loss seems to have been incurred in fodder corn exposed to the weather all the winter as compared with that ensiled. This, however, is not to be wondered at, seeing that "the fall was very wet and damp" at the Wisconsin station The annexed table represents the average of the four years' experimenting on this point, and is conclusive in favour of thesile.

Average losses in ensiling and field-curing Indian corn, results of four years' work.



Soja beans, a few which we grew in 1882, and which we mentioned at the time as being promising novelties, have been tried at the Kansas station trouble here would be that they would not ripen their seed every year; but would pay to import the seed.

Like corn, the soja-bean should not be sown before the ground is warm, about the 21th to the 31st May in the of the inferior yields of the whole of Montreal district. The rows should be this continent is, that people will not wide enough to admit the horse-hoewide enough to admit the horse-hoesay, 24 inches—and the beans may be dropped 2 inches apart in the rows. Our impression was they would shed their seed if it were allowed to ripen thoroughly before cutting; but, as the

mance, a comparison was instituted between fodder-corn and silage corn, the grain ration being the same in both cases. The fodder-corn proved to be the cheaper food. The gross cost of gers of this institution will publish an the daily ration was 1915 and 20.32

milk per acre of land was in favour of

The relative values of potatoes and sugar-beets as producers of butter the conomical results were different": formed an experiment of the Iowa station. The deductions made were, potatoes did not pay. The suggestion that the butter from the lot of cows receiving sugar beets was of better not less than two and not more than flavour and colour and kept better than the butter from the lot receiving potatoes; but the higher grades of