

Woollen rags or refuse, and any nitrogenous manure, will, added to a fair amount of dung, greatly assist mangolds; whilst mineral superphosphate is quite wasted upon them. Black earth produces larger crops of this root than any other soil, and the hotter the season the larger the yield, and the better the quality. Insects do not affect it much, though a few roots are sometimes cut off by the wire-worm about an inch below the surface; if this worm is numerous, it is well to know that a certain cure exists in rape-cake, or cotton-seed cake; not in powder, but broken in to small pieces about the size of a small haricot bean. The greedy brutes fix on the lumps and literally gorge themselves to death.

About 4 cwt per acre is sufficient and the cake will not be thrown away as it is a most efficient manure, and will greatly aid the grain crop which follows the mangolds.

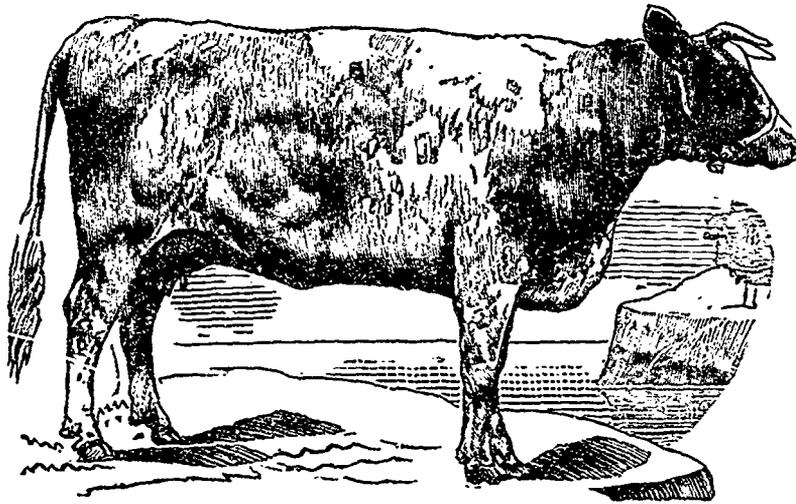
Don't pull the leaves for your cows unless dire necessity compels you, as the practice is certain to diminish the crop. In harvesting *wrench* off the tops, and draw the roots out carefully, as they are easily wounded, and bleed to death at the least provocation.

ARTHUR R. JENNER FUST.

The Show of Dairy Cows Implements &c. at Islington, attracted a great deal of attention in England and on the Continent. The first prize for milch cows was won by a Holstein with 25½ quarts of milk in the 24 hours (1). She was run however very close by a Shorthorn, of herd-book quality, and by another who had a slight taint in her blood. The milk of the first and second is to be tested by Dr. Vooleker to see if quality and quantity are alike superior in the Holstein.

The show of cheese was very good. Mr. Nuttall's Stiltons were easy winners, to the astonishment of the Leicester men who have been accustomed to have it all their own way: but the most surprising thing seems to have been the 9 lots of American cheese. The judges exhausted the language in their epithets of praise! Now I must confess to have always

(1) Why, 25½ quarts for a Short-horn or for a Holstein is not much, considering their weight. We had, for years, in our stables, small Canadian cows, weighing fully one half, and perhaps only one third as much as an ordinary Short-horn, which gave their 25, 26, and 27 quarts of milk, every day, for excepts together, after calving E.A. B



Shorthorn cow "Vesper."

entertained the opinion that nothing but *old grass* would produce good cheese. This is no longer tenable seeing that old permanent pasture hardly exists on this side of our continent of any cheese-making quality; at least, if it does, I never heard of it or saw it. What then will the English landlords and tenant farmers say to the agreements whereby the latter is bound to pay the former £50 if he plough up an acre of pasture, and, in Glo'stershire at least, £10, if he mow it? All these nonsensical ideas seem to be perplexing people at once on the other side of the Atlantic, but good must come of it in the long run.

The plan of separating the cream from the milk immediately by the mechanical contrivance of which we gave an engraving in our September Number, does not seem to answer, as the butter produced, as compared with that obtained from the old plan of setting the milk in shallow vessels, was as 16 to 17½ (1).

The recent marvellous rise in the price of all dairy produce in England does not seem to have helped the farmers there very much, as I hear, from a very near relation, that all the stocks were sold before the improvement in demand took

(1) Further experiments are evidently needed before an exact conclusion can be arrived at.

place. American butter does not seem to be in great favour at present, but people seem to think that the export from this continent will increase in quantity and improve in quality, and will probably prove more profitable to the Americans than cheese. Considerable fear exists, apparently, in Europe, of the competition of butter from hence in the English market; as it is supposed that, if the *creamery* plan turns out such an improvement as the *factory* plan, the second qualities of butter from Holland &c. if not the first, will be difficult to sell.

The Queen showed samples in all three of the classes of fresh butter, and won a prize in all of them two 2nds and a 3rd. In these classes, two 1st prizes went to Dorsetshire, and one 2nd to Devonshire.

A. R. J. F.

Feeding Cattle.

The principles on which cattle-feeding should be conducted, to extract the greatest possible results both as regards meat and manure from the materials used, have been very little understood until lately.

The practice has been, too frequently, to give turnips or