

Agriculture, an example that is likely to be followed at the Ottawa Experiment-farm, we should be very much obliged to Mr. Shutt, or any other of our correspondents, if he or they would be good enough to explain to us the utility of this novel practice, and the principles on which it is founded.

The murdered cows at Toronto.—The name of the American firm, whose cows were murdered at the Toronto show, has been published, together with the childish inadequate punishment awarded to them for their cruel and dastardly act. But we, and doubtless many of our readers, have been surprised at not meeting with an exposure of the Canada firm that was guilty of the same atrocity. Will not the managers of the Toronto exhibition enlighten us on this point, or are the culprits so highly placed that they must be allowed to escape the chastisement due to their crime? As for the suspension from the exhibitions for the space of a twelvemonth, that is too trivial an award. The guilty parties should never be allowed to show cattle again at any place in the Dominion.

Beef.—Early last month, 28 bullocks were sold in Chicago market for \$6.85 a 100 lbs! Hardly necessary to say that these beasts were of the finest quality and were intended for the New York butchers. No such price has been heard of since the year 1892, and even in that year, the high price paid was for Christmas beef. The average weight of the lot we are speaking about was 1,495, so we may put the carcass weight down as something like 975 lbs., or 120 London stones, in which market the bullocks would, at present prices, have probably fetched £27.00 a piece, equal to, say, \$130.00; the same, sold in Chicago, yielded about \$102.00. Would the balance, \$28.00, pay commission, freight, insurance, etc.?

Potatoes.—The average yield to the acre of potatoes in the United States is, we believe, something like 85 bushels. Our own product is some 20 to 25 bushels higher than that of our neighbours. We think we do pretty well in England if we turn out six tons, or 240 bushels, but what are these yields to the magnificent crops dug on the estate of Lord Rosebery, at Dalmeny, Scotland, the average yield of which is never under 18 tons an acre—720 bushels! Scotland, on the whole grows

larger crops of potatoes than England; and no wonders if the farmers of the former country manure as lavishly as does Lord Rosebery, on whose farm the usual dressing for potatoes begins with 30 gross tons of dung, ploughed down on a clean stubble in the fall, and followed by 448 lbs. of "ground" lime, grubbed in early in the spring, and 448 lbs. of superphosphate, 112 lbs. of fermented bone-meal, 112 lbs. of sulphate of potash, 112 lbs. of muriate of potash, and 112 lbs. of sulphate of ammonia, applied in the drill at planting time! And the seed, too, is, just such as we plant in the South-East of England, good-sized, uncut tubers.

Of course, a good deal of the dung used is the "police-dung," from the town of Edinburgh, and not up to the quality of the cake and pulse fed dung of the "byres." Still, the dressing is enormous in bulk and, no doubt, costly in acquisition, and we hope it pays. Even after the great crop of potatoes has been taken, we should almost expect the following grain-crop to "go down," and yield a poor sample of grain. As to the potash, would it not be better to spread that on the fall-furrow after the dung is interred? It takes some time for this element to become fit for plant-consumption. Can potash dressings be needed on land that must be so choke-full of it already?

A very instructive table is that published in the Report of the Agricultural Department of the Glasgow Technical College. Experiments were tried, simultaneously (1898), to see if artificial manures could be partly used in the place of dung, which varieties would answer best, and in what quantities. In the table, "potash" and "nitrogen" mean 112 of the former, and in the latter case, 112 of sulphate of ammonia, and "phosphate" means, 448 lbs. of superphosphate.

Manures per acre.	Average produce.	
	Tons.	Cwt.
None.....	4	14½
Twenty tons of farm manure.....	9	15
Ten tons ditto.....	8	4
Ditto and potash.....	8	12
Ditto and phosphate.....	8	12
Ditto and nitrogen.....	8	14
Ditto with nitrogen and potash.....	9	2
Ditto with nitrogen and phosphate..	9	5
Ditto with nitrogen, potash and phosphate.....	9	12