

MANURE ENRICHED BY GRAIN.—Nearly every farmer is aware that the food controls the quality of manure, and that, for instance, dung from horses fed high on oats is quite a different thing from the droppings of grass-fed horses. Some kinds of grain contain more nitrogen than others, and of course impart more fertilizing power to the manure. Barley is the poorest, Indian corn a little better, and oats better than either by about 20 per cent., the three not being very unlike.

HARROWING INVERTED SOD.—Farmers often find harrowing inverted sod to tear up the turf, and make grassy tillage. The double Michigan plough is a perfect cure, but not always at hand, and sometimes it may not be advisable to use it. Grass land which has been inverted by the common plough late in autumn, and which has been underdrained or is otherwise dry enough, may be harrowed very early in the spring, without the least disturbance of the sod, if done when only a few inches of the surface has thawed, and while the grassy portion of the sod is chained fast by ice.

GARDEN ROTATION.—The following enumeration of the different families of garden vegetables will enable the gardener to plan a rotation, so that similar plants will not occupy the same soil in successive years—those classed together should not succeed each other.

1. Peas, beans.
2. Cabbage, cauliflower, brocoli, turnip, raddish.
2. Carrot, parsnip, parsley, celery.
4. Potato, tomato, egg plant.
5. Cucumber, melon, gourd, squash.
6. Lettuce, salsify, endive, chicory.
7. Onion, garlic, shallot, lock.

AGRICULTURAL IMPLEMENTS.

(To the Editor of the *Agriculturist*.)

Perth, Co. Lanark, Oct. 17th, 1857.

DEAR SIR,—Owing to the holding of our assizes I could not get to the Provincial Show at Brantford. We find this a *grievance* here every Fall. I do not know that this can be helped, though anxious that it should be. It keeps professional men who are favourable to Agricultural pursuits from participating in these annual gatherings, where located remotely as we are.

It appeared to me too, that confining the animals exhibited, in close apartments, and invisible as at Kingston, was an objection. This was in part remedied this year by the Procession of Prize animals. The successful articles, if marked in some way as the Premium ones, to distinguish them, after the judges have decided; so that visitors could inspect them personally, at leisure, would be a gain to the public and to competitors.

I observe you were one of the judges on Agricultural Implements, and I am desirous of hearing your opinion (which might be published also in the *Agriculturist* as of use to others), as to the improvements made in Mowers and Reapers, which gave the premium to D. Atchison of Thornhill, over Messrs. R. & R. S. Patteson of Belleville, who took the prize last year. Also a description of the Field Cultivator of J. Netherington, Clarke. Do you recommend this as the best we can get, as I wish to procure one. Also the Horse Hec, of John Watson, Ayr. Can you give particulars and prices? The same with regard to A. Carts' machine for cutting roots, and Wm. Crow's Seed Drill. Is this last a better article than Seymour's? Your reply will confer a favor on

Yours, very truly,

W. O. BUELL.