this custom prevails the clover is never kept a second year, it is either moved and the second growth ploughed down for wheat, or it is pastured till October and then plowed down. This is called the four course husbandry, viz: Turnips, system in the Old Country, but beyond our reach. The result of experience then shows that thick sowing of grain to a certain limit, is far more profitable than thin sowing. Though the seed may cost a little more, the acreable produce will be much greater in proportion. Every skilful farmer can easily ascertain what that limit is. The best and cleanest grain should be always used for seed as the shoots from such are always the strongest, and a constant renewal of seed is absolutely necessary to ensure an abundant crop.

After sowing, or rather after the grain is well up, there should be a free application of the roller, not only to level the land for the cradle or scythe but to retain the moisture in the soil, and mould the plants; and in the spring of the year, as soon as the land is dry enough to carry the horses without injury, all the winter wheat should be well harrowed to break the crust of the soil, to mould the plants and to admit air and moisture to to the roots. Experience has fully shown that in every description of land, the free application of the harrow to winter wheat in spring, has a most beneficial effect, and the fear that most farmers have that the harrow will tear up and injure the wheat is most unfounded and absard. Let every farmer but try a small piece one year, and he will undoubtedly harrow all he has every spring afterwards during his life.

This year, 1851, I had a field of wheat so much wintered out that I sowed spring wheat; over it, and though well dragged four times over with a very heavy drag, the few spots that were not wintered out were benefitted, instead of being mine feet as a proper width, and in no case, except destroyed: but at all events, one good close on very sandy and porous soils, ought the ridges bout of a heavy harrow is essentially beneficial.

DRAINING.

I should, perhaps, have observed before, that to Recure good wheat, good draining is indispensible. The time is much too limited to enlarge upon By good draining I would not pretend to recommend tile draining, or covered underdraining, ciple is never to exhaust the land by severe cropsuch as is found necessary to have in England | ping; and the next great principle is to restore to or Scotland, except in peculiar localities. We do it, in some shape or other, the properties which we not require such in our dry climate, and the exhappense being from £4 to £6 per acre, exclusive of which we have pursued. We all know that matiles, say in all £10 per acre, would overrun the nure benefits the land, but the thing is to know advantage. In damp soils and situations it will be the why and the wherefore. Newton knew that generally sufficient to ascertain the source of the an apple would fall to the ground, but it cost him spring, and by one good deep drain intercept the supply and cut it off. As a general rule this with the same string and attention to know what the supply and cut it off. As a general rule this with the same string and attention to know what the supply and cut it off. good and judicious water forrowing, and a few manures or stimulants or correctives are required surface drains will suffice. Neither our increased under varying influences; our knowledge is but crops, nor prices, nor profits, would remunerate yet in its infancy; one thing, however, we do us for expensive draining: nor does the climate know, that almost all the strength of animal marequire it, except in a few local instances, and the nure is in the urine, and not in the feces; and an-

not worth having. I have never yet heard of any farmer in Canada, who is able to realize for five successive years, a net annual profit of 20s. per acre, over his whole cleared farm, i. e. atter deducting seed and labor, (his own included) and the interest of the acr. able value of the land: and Barley, Clover, Wheat or Beans; an admirable I know of no land that would pay for expensive draining such as is done in the old country. a farm require it, except in a few local instances. the owner should rise up and leave it: our average acreable produce, under the best circumstances, will not warrant a heavy expenditure of any kind. Even with the greatest skill and caution, our crops are too precarious to repay extensive outlay. Those who succeed best amongst us are those who do as much as possible within themselves, not employing much external aid, not laying out money for which they cannot calculate a certain return. This year, 1851, for instance, the finest wheat on the finest, richest and best drained soils is deterioanated fully one third, over all Canada, by a severity of spring and winter weather, which it would have been impossible to guard against, or even to foresee, and this is by no means uncommon. The greatest of all skill in farming is "properly to adapt our expenditure to the certainty or uncertainty of our returns." Those cannot be called improvements, the result of which will not pay for their completion; a real practical Theoretical farmer will not enter into them. farmers sometimes do commence expensive operations, but as soon as their money is cone they become practical farmers, sometimes buying their practical knowledge at a ruinous price.

> Far be it from me then to recommend expensive draining, or expensive operations of any kind, on a farm in Canada; but it is a very important branch of a farmer's knowledge to be able to ent off the greatest body of surplus water by the least expensive means—this knowledge can only be attained by attentive observation and experience. I think, generally speaking, we do not lay out our ridges small enough; in heavy o: that land I always find that the grain on narrow ridges is the best, and recommend about to exceed fifteen feet, in all cases to be rounded off, i. e. never that in the centre or sides.

MANURES.

The time is much too limited to enlarge upon farm that requires much expensive draining is other thing we know that we are not by any means