it is a very d. Micult matter to have a p.op r system of busbandry. However, even a change of careal crops is better than no change at all. The system of planting corn after whea, then bailey or oats, then clover, and a terwards wheat, is much practised in the United States and Canada. This course has been found to answer well. It would give, consecu this course has tively, one fou th of the cultivated land on a farm for turnips, potatoes, corn, and peas; one fourth for barly or oats; one-fourth for clover, and onefourth for wheat. Were this plan pursued, and all the farmyard and artificial manures ap lied during the first year of the course, except gypsum on clover, I have no doubt that farming would be more lucrative than at present. All the crops would be more abundant, and there would be more system and regularity about the work of the farm than new pre-

In the mode of tilling for wheat, the first and great point is to drawn the land. In many places in Canada, the soil is so wet that wheat cannot be sown with even the propability of a fair return from it. A large po tion of the land is of this character The really first-rate wheat land in Canada, as in the State of New York, is limited in exte t. I admit that a great deal of land is sown with wheat but I do a-sert that the result fully bears out my opinion than in its present state, that is while we and undrained, a great deal of land is rown with wheat which ought not to be sown, for it only results in failure and disappointment. The first step then is thorough draining where it is needed, on al lands interded for the growth of wheat. Wheat must have dry soil a it cannot grow well. The Genesee country and other districts famed for the growth of wheat are dry. The soil in those places being grav elly, forms a permanent drain for sup rabundant moisture. It is gratifying to know that public attention is being directed to the subject of drainage, and I gladly embrace this opportunity of urging its general adoption.

The next important point in the cultivation of wheat is deep tillage. The old furrow of six inches deep and nine wide wou't do. The roots of the wheat plant must have no such obstruction as hard pan at the depth of seven or eight inches. The land land ought to be turned to the depth of twelve or fifteen inches. The plan of turning a sleek painted furrow, may be very well as a piece of fancy work. but will not answer practical purposes. Change your rules at your poughing matches. For the nar-Change now and shallow furrow substitute a wider and deeper one, carry the rule to your farms and you will find a vast difference in the produce per acre. Instead of breaking up your summer fallows or clover sod with two horses, do it with three or four, or with what is an ex ellent plough team, a span of horses and a voke of oxen.

A very essential matter is to clean the land thoroughly rom grass and weeds The great enemy to wheat is spear or couch grass, and it is a very diffi-cult one to get rid of; if not checked it bids fair to take possession of our best wheat lands. In England it gives a great deal of trouble, and the wish to get rid of it, has led to various expedients. The old sys em of summer-fallowing, although partially successful, was found to be expensive and not so thor ough in its effects as was desired; it cost a great deal of labor and did not do the work effectually. The best English farmers set it down as a system requir-

sub taces which constitute the food of other plants of its class. In fact, in the absence of root culture, present improved mode. They discovered that the it is a very difficult matter to have a proper system of more ploughing of land did not kill the grass, and that even four and six plowings did not cradicate it that even after all it still lived and infested the soil. They now act on the principle that to de-troy speedily and effectually the vitality of a plant, it is necessary to cut off the communication b tween the roots and leaves, because to plant can long survive without coming in o contact, above ground, with the atmosphere. They found that the ordinary plough, unaided by any other implement, cannot effect this object. In Eugland they use what is termed the "paing plough," one kind of which, (Bentall's) cuts the ground to the d pth of two or three inches, another, (and I think the preferable one, Kilby's.) not merely pares but turns over the ground.—After this paring process, the ground is plowed deeply; thus the grass is buried at a considerable depth, where it remains undis-turbed, to serve as manure. In the Geresee country, as in other places in the U.S., a rather different plan is pu sued, still the principle is the same. There the ground is pared and ploughed at the same time, by an admirable implement called the Michigan subsoil, or double mould board plough. It consists of two ploughs, placed one before the other on the same beam. The forward one takes a furrow slice two or three inches deep, separating the tops of the grass from the roots, and lays its slice in the bottom of the previous furrow; the hinder one follows, raising a furrow slice eight or nine inches deeper. which it lays on the slice cut by the forward mould board. During the process of ploughing the soil is broken and mellowed, so that the work of barrowing is afterwards easily and well done. The grass is so deeply buried, that harrowing or even light ploughing cannot afterward bring it to the surface, to waste or grow again. Land ploughed with this plough, during the late wet season after lying without being barrowed for six or seven weeks, scarcely sh wed a bade of grass, while land in an adjoining field, ploughed with the ordinary plough, and afterwards well harrowed, was quite green. The reason is obvious. Sod ploughed in the ordinary way sends grass through the seams of the furrows as soon as turned over. This growth spread through the turrow-lice binding the whole together. When cross ploughed the sod is not rotted, budis torned over in square pieces which can scarcely be shaken apart, thus the wheat is sown to struggle among sods and grass which grow again and choke the young p'ant. The practice of turning up again clover, which has been ploughed down for manure, is certainly not in keeping with the idea that in order to be of service, manure must not be much exposed to the action of the atmosphere. What good farmer would allow manure to lie bleaching on the surface of the ground? Is it more sensible to cross plough clover sod? How is it possible to get rid of couch grass when we plough up half-rotten sod? The mode now pursued in the best wheat districts of New York is to plough down clover in the middle or end of June, with the double plough. The land is harrowed thoroughly 's soon after ploughing as possible. About the midd e of July it is turned over to the depth of three inches with the "gang plough" an implement with four small plous he fastened to a beam resting on two wheels. It can be raised or lowered to the depth required, and is regulated by a pole to which the horses are attached. Unlike the cultivater, is turns effectually the surface of the ground over which it passes. It is drawn by three horses abreast.