é good, but in general throughout the ; it is said that they are short and poor .ne of hay in the Montreal market is very -22s. 6d. to 27s. 6d. the hundred bundles. ould not prove that the country is not se'. a raising and feeding cattle. Stray is The prices current will show the prices sproduce. All tending to prove that we the most ample means to feed ourselves shout any foreign aid. The prices of 3' meat is very low for this season of the There is abundance of labour to be hired, quence of the very numerous emigration r. The Government will save many of or emigrants from suffering and misery, earding necessary public works, that eve them employment and retain them in mry. Now is the time that they want nent, immediately on their arrival, before ome discouraged, and go off to another

We do not believe that the neighbouris would give them so much encourage. they will obtain here, but if they once a country, very few of them will ever be some back here. There is antile means to give them employment, if the work ygo on; and in a few years, these poor be cultivating their own farms, and a for British manufac uren. St. Paul, June 20th, 1842.

WHINTS TO THE WHEAT " GROWER.

is no operation in agriculture to which degree of importance should be attachthat, of properly preparing land for the 1 of wheat; yet there is no subject upon erosis a greater amount of ignorance 4, when its importance and the numbers in the business, are taken into consider-With most farmers it is sufficient to at by ploughing two or three times, (and comparatively mellows while they kave ledge whatever of the changes which the superior sample:

soil undergoes by contact with atmospheric agents, and that deep, clean, and frequent ploughing a. of vital importance to give strength, vigour, and freedom of penetration to the coronal roots of the plant, which cannot make any impression through the hard pans caused by unskillul cultivation, unless thoroughly broken up and pulvorized.

As wheat is the principal and almost the only staple crop the Canadian farmer can cultivate with profit, we deem it our duty and privilege as conductors of an Agricultural Jouthal, to disseminate all the useful information in our power on the subject, and give our own opinions and experience frankly, at the same time we carnestly solicit our Subscribers to make some experiments on this crop the ensuing fall, and when the proper time arrives report the results through the medium of The Cultivator.

To prove that we do not urge on others what we are unwilling to attempt ourselves, we take much pleasure in reporting a few experiments which we made in the fall of 1839.

The experiments in question, were made on land ploughed or broken up in the month of June, to the whole of which an equal amount of manure and seed was applied. The field on which they were made was divided into four equal portions, and each treated in the following manner:

No. 1. The manure was spread over the ground previous to the first ploughing, and thoroughly incorporated into the soil, in the course of the fallowing operations. The third and last ploughing was laid up into lands four yards wide, sown and harrowed in, and immediately properly water-furrowed.

No. 2.- The manure was drawn into the field in the month of March provious, and made into a large compost heap. The first, second, and third ploughings took place at the same period with No. 1, and after the third ploughing which was laid up into narrow lands as above, the ground was harrowed twice lengthwise, and manared from the heap be ore-mentioned. The fourth and last ploughing, was performed in the some manner as it intended for drills for turnips. with this difference that instead of being twenty inches as is usual for turnips, the drills were only about fourteen inches asunder. The seed was then sown broad-cast, and harrowed in singly lengthwise, with a pair of light harrows, and water-furrowed. The plants came up nearly as regular as if sown with a drilling machine.

No. 3 .- Was managed in the same manner as No. 1, with this difference: The manure was taken from the compost heap above alluded to, and spread over the ground the day previous to the third and last plonghing. It was then mark, ed out into lands four yards wide, the seed sown on the manure, and both ploughed in, and afterwards harrowed lightly and water-furrowed.

No. 4.—Was managed in every respect as No. 3, with only this difference, that it was left rough and not touched after being ploughed in, which is the usual mode of covering wheat with the

The result of these experiments was as follows Parts of No. 1 were considerably winterkilled and slightly mjured with the rust, and gave a return of about 25 bushels per acro of a middling sample. ... to his been

No.2 was not the least injured by being winterkilled or inidowed, and the stent of the plant or ay bo in an imperfect manner), the soil fairais stood up suff and short like beanstalks, unit gave a return of about 31 bushely per here of a

No. 3 gave a return very cimilar both to qualt ty and quantity as No. 1.

No. 4 did not yield more than 16 bushels per acre, and that of an inferior sample.

We account for the great difference between the 2nd and the 4th Div., in the following manner:-In the former, the wheat being covered a sufficient depth with finely pulverized soil, camo up in a much less period of time than the latter, and the plants being in rows sheltered the roots, and they naturally being interwoven together, were not so easily displaced by the thawings and freezings in the spring; but the greatest advantage belonging to the plan is less liability to mil. dew, and grows much shorter and stiffer in the straw, which is a clear proof, in our opinion, how important it is to those farmers who are engaged targely in the culture of wheat, of introducing drilling machines. 🤫 ...

No. 4 which was left rough and gave so inferior a crop, would have yielded a much heavier return, had it been sown ten days emilier. At the best, it is a plan we have always been decidedly opposed to, for the simple reason that the surface must be more or less covered with receptacles for surface water, which has a tendency to destroy the plant. If any of our readers, who practice this system, are not satisfied as to the validity of our assertion, we advise them to examine their fields thus sown in the latter end of the month of November, or soon after the equanoxtial rans, which most generally take place about that time; and if the space between the furrows are not filled with water, which must have a pernicious influence upon the health of the plant at that inelement season of the year, then of course we must charge the result to some other cause with which we are at present unacquainted.

In order to have carried our-experiment No. 2, to a still greater perfection, we purposed to have made a small sized scuffler or horse hoe, and cleaned the ground of all noxious, weeds, in the first week in May, or as soon as' the land might be sufficiently dry, but the plan was not acted upon. It is one which we concrive to be practicable, and uttended with very little costs. At some future period, we may try other experiments in the cultivation of wheat as well as other grains and roots, and give to our readers the grofit and loss, and a detailed description of their management.

In the cultivation of syheat as well, as other, crops, no specific rule can be laid down, that would be applicable under every circumstance; the quality of the soil, the poculiar state in which the land may be found previous to commencing the operation, and the changes of the seasons, all contribute to influence the management; but upon one point we may safely contre, that the land should be in good hears, and that it requires clean and frequent ploughing, Quarte

The quantity of cattle in various European countries has been conmarca to be as follows:-

Outra co mus occursos mais de la constitución de la	
Contract to the second of the second	d Cattle -
Great Britain	. 5,100,000
Russia	.19,000,000
Netherlands Denniark	. 2,500,000
Denniark	1,607,000
Austria	. 9,912,060
Franco	6,681,800
Spain	. 2,500,000
Portugal	550,000
Italy:	C-3/500/003
21, 3, 11, 11, 11, 11, 11, 11, 11, 11, 11	