## wing Wheat continuously on the same Land without Manure.

he English Agricultural Journals have for ast few months been much occupied with "iscussion of a system of cultivation pracby the Rev. Mr. Samuel Smith, of Lois don, Northamptonshire, England. Mr. h's system is in effect a revival, with some fications, of that propounded by Jethro a hundred and thirty years ago. Tull's - was that by sowing grain in drills, and ently stirring and loosening the soil by the of the hoe and other implements, the peral fertility of the land could be maintained out the use of manure. His main principle hat tillage will supply the place of manure, that a good crop of wheat, for any number ars, may be grown, every year, upon the land, without any manure, from first to

Mr. Smith, of Lois Weedon, has been ising this theory, upon his own system, for ost twelve years, and has obtained an averf thirty-six bushels per acre from the same of land every year during that time, the rop being in 1859. The latest crops have n no symptoms of deterioration over those Mr. Smith's plan is as follows :ding. lants three rows of wheat at ten inches , the three thus, allowing five inches on side, occupying a space of thirty inches. ext two feet and a half are left vacant, the next planted in the same way as the and so on in alternate strips throughout eld. The vacant strips are thoroughly and y cultivated during the winter and summer, cans of the spade or fork, the horse hoe, ther fallowing operations, and the spaces en the drills are also hoed at the proper After harvest the vacant strips are ùs. and the stubble strips become fallow, to bjected to the same course of treatment others the preceding year.

ome respects this system is analogous to which the simple alternation is practised eat one year and bare fallow the next, the next, and so on in perpetuity. Some opponents of Mr. Smith's system advance iew of the case, and state that it is a falor him to speak of growing a crop from me land every year, for that it is in reality very other year. If this be granted howthe chief advantage they gain is, that they

must allow Mr. Smith by his system to have succeeded in obtaining 36 bushels from the same half acre every alternate year, instead of 36 bushels from the same acre every year. But, in effect, there are numerous obvious differences of detail between the modes of tillage adopted and their influence on the crop, in the 30 inch strip system, and the alternate wheat crop and bare fallow field system.

We do not allude to this experiment for the sake of advising any of our readers to adopt a similar system upon their farms, but as an interesting illustration of what results may be produced by thorough and deep cultivation. Mr. Smith's wheat field is but small, only some five acres, and consequently admits of a system of perfect hand culture, which would be quite impracticable on a large farm, especially in a new country like Canada. The soil of Lois Weedon is likewise of prime quality, consisting of a good strong wheat land, resting on sound clay, and naturally dry.

Should any Canadian farmer, allured by the successful results of Mr. Smith's experiments. fancy that he could grow wheat every year on the same field without manuring, and attempt to put his theory into practice on a large scale, in the slovenly way in which it would be pretty sure to be done in this country, we apprehend that it would require but a very few years to convince him that his experiment was a grievous failure. Those however, who have the leisure, and the means and opportunity, to conduct such experiments on a small scale, and with adequate skill and care, may learn many interesting and valuable truths from them, and confer a large benefit upon the country by making the results of their experiments known to the public.

## The Cattle Disease in New York State Six Years Ago.

It appears that Pleuro-Pneumonia is not altogether a new lisease on this side of the Atlantic. There are several well authenticated cases of it having occurred some years ago, and having been extirpated by careful measures. Mr. E. P. Prentice, a well known breeder, of Mount Hope, near Albany, has written a letter to the *Country Gentleman*, stating that one of his cows became affected with the disease in the autumn of 1853. She had been sent to Brooklyn dur-