

(Continued from our last.) CHAPTER VI.

Actual and comparative productiveness of the Province, as shown by the average quantities of Wheat and other Crops now raised from an Imperial acre of Land, in the different Counties.

In the preceding Chapters I have given a sketch of the general agricultural capabilities of New Brunswick, as they may be inferred from its geological structure, and of the absolute and comparative productive qualities of its soils, as deduced from practical observation and enquiry. But the natural qualities of the soil may be neglected, overlooked, or abused. The actual yield of the land may be very disproportionate to its possible yield. The crops may be less than they ought to be, for one or other of many reasons, to which I shall advert in the subsequent part of this Report. and male a bear

It is in fact the actual condition of practical agriculture in the Province which will determine the actual productiveness of its soils ; while on the other hand, the possible productiveness of its soils being known, the amount of produce actually raised, will serve as an index or measure of the actual condition of the agricultural practice.

Looking at the matter in this point of view, it appeared to me of nuch consequence to collect as widely as could be done with the time and means at my disposal, numerical statements as to the actual number of bushels of the different kinds of grain and root crops usually cultivated within the Province, which were now raised from an Imperial acre of land in its several Counties. Finding it impossible to collect all these data myself, I addressed a Circular to the farming proprietors and Agricultural Societies in the several parts of the Province, and from the answers I have received, the following Tables (No. IV. V.) have been yield of all the land in Great Britain on which this crop is compiled. They are not to be considered as rigorously accurate; they are liable to certain suspicions, to which, I shall presently advert : but they are the first of the kind that have ever been compiled in reference to this Province ; the numbers they contain have been given, I believe, according to the most careful judgement of the persons by whose names they are guaranteed, and in the absence of better information, they are deserving of a considerable. amount of credit.

some of a very striking kind : thus-

parts of the same County. Thus, in Westmorland, one person returns 15 and another 20 bushels as the average VII. Average produce per Imperial Acre. produce of wheat; in King's, one gives 15 and another 25; in Sunbury, one gives 12 1-2 and another 20; in York, one gives 15 and another 32, and so on. Similar differences exist in regard to other kinds of grain. o been much

Such differences are natural enough, and do not neces sarily imply any incorrectness in the several returns. They may arise from natural and original differences in the nature of the soil; from its being more or less exhausted by previous treatment; or from the actual farming being

be encouraged.

return, while crops of 70 bushels are sometimes reaped .---The experience of the last two years has shown not only that this crop in one or other of its varieties is tolerably condition of many of the soils, and affords also a very palatable food.

about three tons an acre; but in Queen's County, a thousand bushe's, about fourteen tons, are sometimes obtained This latter amount is rarely surpassed even in the West of averages, and with those for the State of New York :---Scotland, the north western parts of England, and in Irelan 1 VIII. where the soil and climate are the most propitious to this root.

7. But the most striking fact brought out by these Tables is the comparative high number by which the average produce of each crop in the entire Province is represented. These averages appear in the last line of the second Table and are as follow :---

Wheat,	19 11-12, say 20	bushels.
	29 bushels.	
	di a 34 an al do. alean	
Buckwheat,	333-4 do.	
Rye, a formary	20 1-2 do.	ylandoig
	413-4 do.	
	22612 do. or 6	
Turnips,	456 do. or 13	1-2 tons.

No very correct or trustworthy averages of the produce of the different crops in England, Scotland, or Great Britain generally, have yet been compiled. It is believed, however that 25 bushels of wheat per imperial acre, is a full average grown; some places, it is true, yield from forty to fifty but others yield only ten to twelve bushels per acre.

It is of less importance, however, to compare the above averages with any similar averages from Europe. It will be more interesting to Your Excellency and the Legislature, to compare them with similar averages collected in other parts of the Continent of America.

In the yearly volume of the transactions of the New York State Agricultural Society, for 1845, an estimate is These Tables exhibit several facts of an interesting and given of the produce per imperial acre of each kind of crop in the several Counties, and a series of general averages 1. The produce actually raised differs much in different for the whole State. The State averages, compared with IX. In the State of New York. New Brunnwick, those for New Brunswick above given, are as follow :---

State of New York. New Brunswick. Wheat, 9 14 bushels. 20 bushels. Barley, contract 16 in alfar beragmon 29, contract Oats, slover ad 26 peon (1) to ourad 34 beban barto Buckwheat, y14 post beister V 3334 ar all be Indian Corn, 25 4 " and another 413-4 " Potatoes, te ai n90 atree" on even 1 b226 memasilasise Turnips, of an 88 seatth roubord ho460 laune Hay said to 1000 the bas "enuped tredit 1 3.41 " silico en The Superior productiveness of the soils of New Brunscolumns, is very striking. The irresistable conclusion to

favourable to this crop." If so its larger cultivation should | returns in this form of highest and lowest yields, and that the averages I have deduced may therefore be higher than 5. As to Buckwheat, 15 bushels an acre are the smallest the truth. To meet this possibility, therefore, I have deduced a second series of averages, using the lowest numbers or limits only where two limits are given. In Sunoury, for example, I have taken 15, 20 and 40, as certain, but that it is well adapted to the exhausted representing respectively the produce of wheat, buckwheat and Indian corn in bushels per imperal acre. As nearly one half of the returns give, as Mr. Hatheway does, the 6. Of Potatoes, the smallest return is 100 bushels, or highest and lowest, and not the mean return, the averages I have thus arrived at are most probably below the truth. The following Table exhibits these, along with the former

Average produce per Imperial acre.

susand and abane In New Brunswick.		
From the mini-	whole returns.	In New York
Wheat, 17 3-4 bush.	1911-12 bush.	1 14 bush.
Barley and 97	29	16
Oats, 33	34	26
Buckwheat, 28	33 3-4	14
Rye, alds 12018 out out	20 1-2	91.2
Indian Corn 36 1-2	41 3-4	25
Potatoes, 204	226	90
Turnips, 389	456	88

My object in computing these second averages, was to compare them also with those of the State of New York, and it will be seen that the numbers in the first column of the above table, though in every case smaller than those in the second column, are still in every case larger than those in the third column, which represents the New York averages. We seem still therefore to be driven to the conclusion that, as a farming country, New Brunswick as a whole is superior to New York State as a whole.

But it is known that the north western part of the State of New York is naturally very rich, and that on the shores of Lake Ontario and the banks of the Genesee River, very fertile lands extend, yielding large crops of Superior Wheat. I extract therefore from the tables of the New York State Agricultural Society the average produce of the several crops in three of the Counties of the North Western District. In the following Table they are compared with the averages for the whole of New Brunswick :---

Lowest average of Genesee, Ontario. Niagara. whole Province. Wheat, 16 1-2 16 18 10000 200 17 3-4 Barley, 15 19 19 Oats, iven 9 or 23ri anal 12-32 29 33 Buckwheat, 19 17 21 28 Ryene marin 101 9 81-2 118 Indiar. Corn. 25 eibodi29 29 36 1-2" Polatoes, 122 106 110 204 Turnips, 105 148 155 389

In the capability of growing all the common crops on

in one case better and more generous than in another.

2. In regard to Wheat, the lowest minumum is in Queen's, where 8 bushess are given as sometimes reaped. In Saint John, Charlotte, and King's, the minimum is 10 bushels; wick, as it is represented in the second of the above from Carleton no return is given, and altogether the answers from that County are few and therefore defective. The largest maxima are from Kent, Charlotte, and York, where forty, thirty six and thirty two bushels respectively are sometimes reaped, tool tello and to about the there

3. In regard to oats, only one County, (Queen's) ever reaps less than twenty five bushels an acre, according to these returns. In that County, as little as thirteen bushels is occasionally reapedal vanous on the houses gaivall

In four Counties the crop sometimes exceeds 60 bushels;

be drawn from it, appears to be, that looking only to what the soils under existing circumstances and methods of culture are said to produce, the Province of New Brunswick is greatly superior as a farming country to the State of New York.

In the first of the Tables above given, that which exbibits the actual yield of the different crops, in the several parts,

*York and Carleton are generally considered among the best in two others 50; in one, 45; and in four, to 40 bushels not afford evidence. 1 on somewhat surprised however that more an acre. These numbers indicate what is indeed confirmed returns should not have been received from the County of Carleton. to the State Legislaters. Compared with the whole Prog-

which man and beast mainly depend, it would appear from a comparison of the above numbers, that the whole Province of New Brunswick taken together; exceeds even the favoured Genesee Valley, and the southern shores of Lake Ontario.

Although deprived at present of the opportunity of obtaining access to existing statistical details, relating to the agricultural condition of the other States of the Union generally, yet the possession of the Report of the Ohio "Board of Agriculture" for 1848, published early in the present year, enables me to compare the New Brunswick averages with those of that Western State for the year 1848 These Ohio State averages I have compiled from ' a series of County Reports, which are appended to the general Report of the Board which is presented annually