NORTHUMBERLAND, KENT, GLOUCESTER, AND RESTIGOUCHE COMMERCIAL AND AGRICULTURAL JOURNAL.

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rney, Rankin. Miramichi, Tuesday Morning, February 7, 1843.

THE GLEANER.

Continued.

of heavy clay land. Power, by attaching a pointed iron spindle of about 3 1-2 inches diameter at the largest end, to a sharp coulaches. This requires a very strong team of 6 or 8 powerful horses, when the work is done with great facility, by simply carrying the spindle through the subsoil in a horizontal direction, attached to the lower end of the coulter. The adhesiveness of the clay effectually closing over the drain made by the spindle, is said to leave a permanent passage for the water for years; but as this system has not been extensively adopted in England, we may conclude it will hardly justify a trial

Our principal object at the present moment, is to give some general directions for cultivation of clay lands, as they are usually found in this country, which are the results of long continued, skilful practice, of the best farmers. The most desirable improvement would be, to alter the texture of this description of land, by the addition of a quantity of sand and gravel, so as to modify the tenacious lowever, like that of under draining, is 100 expensive for this country, except in the neighbourhood of cities, here sand is convenient for the pur-

Another mode of improvement, which to a certain extent, is within every farmer's reach, and is one of the leghimate objects of every good farther's system, is to add large quantities of coarse unfermented manure, and thes: and all his undecaying vegetables; which may be done on a large scale, by turning in matured crops produced upon the land. There is no danger It is not carried away by rains, or or more abundant, on any land in no plished. The soil is chiefly loam, evaporated by heat, but like coin, se- higher condition. evaporated by heat, but like coin, see higher condition. with some small portion of gravel, curely hoarded in a strong box, it is For winter wheat we do not think well adapted to the use of gypsum,

or artificial ditch.

the preceding fall. The following on them. spring, the grain may be sown didraw its future support, more finely ed to this kind of soil. Plaster, (suldivided by the elements, and the acs phate of lime) has no appreciable eftion of frost through the winter, than fect on it when applied in small quancan be done by any instrument what titles; and lime, (carbonate of lime,) ever, and no alteration of this handi- has less value than any of the lighter work of nature can be made but for soils. Ashes are valuable on any

land should be half ploughed the made the application of them on a previous fall; that is, a space should very stiff clay, without deriving any be lest unmolested, of the width of a immediate perceptible benefit. furrow, on which the upturned furrow longer time is required under certain is thrown. By this operation, a circumstances, for them and other large dry surface is exposed to the manures to act, but their action consalutary effects of air and moisture, tinues through a much longer pericharacter of the clay. This plan, heat and frost, and it will be in the od. best possible condition for early tillage and abundant crops. It will be mel- From the Connecticut Farmer's Gawhere land is sufficiently valuable to and by thorough cross ploughing,

Of the immense capabilities of good clay soils, we have never been more last and present seasons. While surrounded by scorched fields and with. ered crops, during the excessive heat of last year, our own crops of every kind on a tenacions clay, were suffiof putting on too much manare of this supplied with manure, and properly highly favourable for their pursuit.

This township is composed of proportion to the quantity used. And loss of the manuer of suffering any the spring was unfavourable to many of the manuer of this supplied with manure, and proportion to the quantity used. And loss of the manuer of this supplied with manure, and proportion to two sufficiently deep, in there is as little danger of suffering any the spring was unfavourable to many of the manuer of this supplied with manure, and proportion to two sufficiently deep, in the proportion to the quantity used. And loss of the manure of this supplied with manure, and proportion to two sufficiently deep, in the proportion to the quantity used. And loss of the manure of this supplied with manure, and proportion to two sufficiently deep, in the proportion to the quantity used. And loss of the manure of this supplied with manure, and proportion to two sufficiently deep, in the proportion to the quantity used. And loss of the manure of this supplied with manure, and proportion to the quantity used. And loss of the manure of this supplied with manure, and proportion to the quantity used. And loss of the manure of this supplied with manure, and proportion to the quantity used. And loss of the manure of this supplied with manure, and proportion to the quantity used. And loss of the manure of this supplied with manure, and proportion to the quantity used. And loss of the manure of this supplied with manure, and proportion to the quantity used. And loss of the manure of this supplied with manure, and proportion to the quantity used. And loss of the manure of this supplied with manure, and proportion to the quantity used. And loss of the manure of t exhausted by the growth of vegetation. tion, during the summer, of those Nor will: Nor will it burn the land, according to the common phrase, as an excess of an extent of several hundred miles, and extent of several hundred miles, which the great measure, accombined the whole skin as tight as you can an extent of several hundred miles, tants has, in a great measure, accombined the whole skin as tight as you can an extent of several hundred miles, tants has, in a great measure, accombined the summer, of those distributions and the summer, of those it into small lots, which the great industry and enterprise of its inhabiting the wool outside. Then fold up tants has, in a great measure, accombined the summer, of those it into small lots, which the great industry and enterprise of its inhabiting the wool outside. Then fold up tants has, in a great measure, accombined the summer, of those it into small lots, which the great industry and enterprise of its inhabiting the wool outside. Then fold up tants has, in a great measure, accombined the summer, of those it into small lots, which the great industry and enterprise of its inhabiting the wool outside. Then fold up tants has, in a great measure, accombined the summer of the summer of

agricultural Journal.

Safely retained till the owner's key is applied to unlock it. The mechanical thorough under draining, as the wheat as well as chemical character of this is very generally winter killed, or soil, particularly adapts it to the pretained till the owner's key is applied to unlock it. The mechanical thorough under draining, as the wheat is very generally winter killed, or soil, particularly adapts it to the pretained till the owner's key is applied to unlock it. The mechanical thorough under draining, as the wheat is very generally winter killed, or soil, particularly adapts it to the preservation of manures; for in addition to by excessive rains, before the sun as gypsum. Very little has beendone We are confident that the inventive its strong chemical affinity for ammogenius of our countrymen could easily nia, which is the fertilizing principle devise some practical application of in all soils, its mechanical structure wheat, it produces largely. For the sleam power, to ditching extensive, enables it to hold beyond the possi- production of rye, it is totally unsuited; not hold true here. More of it may be level lands, while the surface is firm bility of escape, all the animal and but of barley, cats, peas, grass and necessary than in the interior, to broand compact, during dry weather, so vegetable substances buried beneath roots, when suitably prepared, no soil produces better crops. Their low the expense in Europe; and when the expense in Europe; and when low the expense in Europe; and the expense in Europe; an this is accomplished, the principal ed advantageously towards altering lands, and when put down in mea- vegetable mould, there is no failure obstagle to introducing this greatest its character as above described dow, ought never to be disturbed, in effect, unless temporarily, from a agricultural improvement of modern the next process is to put the sur- as with good management, they will drought. The free use of lime in this times, will be removed: This sys- face into the right shape. This be in an improving state, and afford tem is, beyond all doubt, the only one should always have some descent, suf- the most profitable and remunerating feet of gypsum on any crop. The approximating perfection in the tillage ficient to enable the water to pass off returns .- But while in this condition, mode of cultivation in Greenwich had When the natural surface has no animals should ever be suffered to been tested by nearly half a century's A plan for under draining has been, not declivity enough to effect the ob- graze them, and especially while the experience, and may therefore be to some extent, adopted in England, ject the land must be thrown into beds the ground is soft. Poaching is deswhich is done entirely by horse or ox of 10 to 20 wide, with a deep double truction to them, and no scarcity of furrow between each, to conduct off other food, will justify the farmer in plowed twice or more, till well melthe water which fall from the more driving his cattle upon his meadows, lowed. The ground is marked with elevated surface; and the water accu- while saturated with water. It is a the plow into squares of about 30 ter, which reaches to the required mulated in these furrows, should be common opinion by those unaccus- inches, which barely admits a horse depth below the surface, say 20 to 30 led away through some natural ravine tomed to them that clay lands will not with a small plow to pass between For all grain crops to be sown in never seen better clover, or larger size, or three, or more small potatoes, the Spring, the land should be plowed crops, than we have repeatedly raised are dropped in a hill, generally with-

> is to nestle, and from which it is to has a peculiar signification when appli-If corn or roots are required, the cumstances; yet we have repeatedly

The Potato - As an article of pro-Justify the cost; and improvements in barrowing and rolling, in the spring, fit for general cultivation, none can where gypsum is applied, the pothis way, must be confined to such it will be well fitted for the reception compare with the potato in the vicini tatoes are nearly of one size, much compare with the potato in the vicini more so than when barn, or any com-The Farmers of the town of Greenwich, in Fairfield county, made the favourably impressed than during the discovery more than 45 years ago. Since that time it has been their principal crop, gradually increasing by which they have become the most wealthy town in the State, according to its population. Bordering on the ciently supplied with moisture, and Sound, with a number of good har-were never heavier and better. The bors and their proximity to New York present summer has been one of ex- city, their facilities for transportation, cessive rains, yet when the land was and advantages for a market, were

loss of the manure. It will last till crops, yet after a thorough examina of rough rocks, broken faces, and exhausted by the manure.

with some small portion of grave!,

Turf land is generally preferred, size, or three, or more small potatoes, out cutting. A small table spoonful When required for roots, corn, or of gypsum is then dashed on the seed rectly upon the surface, and harrowed other hoed crops, the soil should be before it is covered. When the tops in and rolled, without allowing the well charged with manure, and the are mostly out of the ground, three plough to touch it. By this operation, most thorough tillage will be amply or four inches, a plow is passed bewe have the bed, in which the grain repaid. 'A little land well tilled,' tween the rows, turning the furrow tween the rows, turning the forrow from the hills. Then a light brush harrow is drawn across the forrows, which in part covers the tops, and smothers, or eradiates all young weeds. No hoe is used at this plowing.

After the second ploughing, turning the furrows towards the rows, the hoe land, and we believe, under all cir- is applied to clear around the hills, and give them a little fresh carth, where the plow has not done it. Previous to the next ploughing, (generally with one horse,) another small handful of gypsum is sometimes dashed on the hill, and perhaps more frequently sown broadcast. The plow, in good tillage, is passed between the rows often enough to subdue the weeds, previous to, or about the time the blossoms begin to put out; but the hoe is seldom used more than twice, and without much hilling up.

more so than when barn, or any compost nature is used. An average crop or any well tilled, plastered land, is about 200 bushels per acre. Farmers, with one hundred acre farms, generally raise from 800 to 2000 bushels regularly, in favourable seasons, besides corn and other grains and vegetables. We know one farmer who, ten or fifteen years ago, frequently planted from 50 to 60 acres and remember one crop of 16,000 bush-

To Cure Sheep Skins with the Wool on. - Take a spoonful of alum and two of saltpetre pulverize and mix well together, then spriukle the pow-