is that in which the alternations of heat and cold are most regular, and the changes from one to the other most gradual; but judicious management may goard against even the disadvantages of climate. We seldom (in Canada, at all events,) experience much inconvenience from excessive heat or dryness,-the complaint is generally of wet and cold. The cause of this in America is obvious. As long as a country is, for the most part shaded with trees, the dense foliage intercepts the rays of the sun in their passage to the earth, and consequently prevents them from communicating heat to the soil. Again, from the numerous swamps and rivers, and immense mass of vegetation, fogs and vapours arise, preventing the earth from receiving that modicum of heat which it otherwise would. These fogs and vapours are caused by evaporation, which drives back the heat. When the forest is taken off, and the country drained, these causes no longer exist; and the climate consequently undergoes a change, becoming more favour-ble to agricultural pursuits. This has been the case long since in Britain; while in America, the change is beginning to take place. We know, that in what are called the "older parts of the country," the winters are said to be less severe, and certainly are of shorter duration, than in the "newly-settled" districts. Still great inconvenience is often felt in the former, as well as the lutter, from excess of moisture. This may be culturest brings into use an additional portion obviated by a proper system of draining. This of soil, and consequently enables his crops to is a subject to which the attention of men of sci. absorb more nutriment. The water being once ence in Europe is now very generally directed, drawn off, the soil will bear tillage to a greater and their discoveries and discussions have led to depth,—it may be ploughed and trenched as much improvement in the system of agriculture, deep as the level of the drain; by this mesas a on the other side of the Atlantic, while much fresh substance is turned up, and mingled with waste tand has been brought into cultivation by the surface soil which has become exhausted; the means.

thing necessary to make a farm available to its cessarily is, that the land is rendered capable of full extent, whatever may be the consistency of yielding a greater number of crops without being the soil, and in this Province, as well as else- exhausted, from the simple fact, that there is much where. Not only does this deserve the attention more to exhaust. The farmer, by this means, as of the farmers on "old land," which has become, has been well said, "adds to the available extent by constant tillage, nearly assumplated to that of, of his possessions." the old country; but also of the "settler," who may, by draining az much as the rough nature of the different kinds of soils. Draining, of which of his farm will permit, save to himself the use something has been said, is universally admitted of sunch ground, from which the young grain is to be useful and necessary to the proper managefrequently sestroyed by the settling of water.

troyed and prevented by the stagnation of w in and upon the land. To the numerous class of farmers who have their land undrained, and are great losers in consequence, from the wrong impression, that it does not require draining. being already dry enough, the following passaze, from perhaps the most useful work or agriculture that has issued from the press, may be of service :-

"Land," says Mr. Stephens, "though it does not contain such an abundance of water as to obstruct arable culture, may nevertheless, by its inherent wetness, prevent or retard the luxuriant growth of useful plants, as much as decidedly wet land. The truth is, that deficiency of crops on apparently dry land, is frequently attributed to unskilful husbandry, when it really arises from the baleful influence of concealed stagnant water; and the want of skill is shown, not so much in the management of the arable culture of the land, as in the neglecting to remove the true cause of the defic ency of the crop, namely, the concealed stagnant water."\*

The same writer gives it as his opinion, that there is scarcely a farm "throughout the kingdom," which would not be much the better for thorough draining. If this be true with regard to Britain, it is certainly so in Canada.

The fact is, that by deep-draining, the agribut going below the surface again acquires the "Thorough draining," we hold to be the first materials of vegetation. The consequence ne-

> It is now necessary to speak of the treatment ment of all descriptions of soil.

Vegetation, it should be remembered, in assisted a grephen's Book of the Farm, as grated in by moisture passing through the soil; it is dot- Blackwood's Mogastus.