THE BRITISH AMERICAN CULTIVATOR.

TO OUR SUBSCRIEERS.

The readers and friends of this Journal will, no doubt, bo surprised, when it was equally so, until we were convinced wo announce to them that the Editor has removed to his farm, in Whit church, a distance of twenty-six miles from this city. There can be no question but that this change will have a highly-favourable influence upon the character of the work, inasmuch as many of the suggestions and improvements recommended to others will be practised by its Editor and Compiler.

We wish it to be distinctly understood, that the British American Cultivator is now, beyond a doubt, established; and that it will continue to improve, both in metter and appearance, until it exceeds, in intrinsic excellence, any Magazine of a similar description published on this Continent. So far as the accomplishment of this object is concerned, no effort shall be spared, on the part of the Editor, to render this Journal worthy the patronage of an enlightened and liberal public; and the hope is confidently entertained that all those who appreciate the enterprize will extend their aid, and exert their influence with their neighbours and friends, to increase the circulation of this useful periodical.

In future, all orders and communications must be sent to the address of the Publisher, Mr. JOHN EASTWOOD, Junr., Toronto.

MARL.

the country, where lime would be most of this substance in a caustic state. A to the surface, by the operation of deep wisely distributed His blessings, that, following crops, and with permanent in many instances, in those sections of advantage in improving the texture of country where calcarious manures are the soil. most wanted, and the limestone-rock it to their fields.

As some of our readers may fancy soil by artificial means.

opportunity to inform them, that, to us, of the necessity of obtaining a knowledge of the science, as well as the practice of Agriculture. Upon inquiry and experi- be brought into very profitable use. ment, we found, that, in order to carry out farming operations successfully, it was absolutely necessary that lime, in some shape or other, should be mixed with vegetable matter. After considerable study and observation, we came to the conclusion, that, in a large proportion of cases, where lime was most wanted, it was abundantly intermixed with the subsoil, which lies directly below the surface mould. and only requires the operation of deep ploughing cayed fossil state, at the bottom of marto give as ample a dressing of lime to shy grounds, in the neighbourhood of the soil as could be given were the most expensive sorts used.

chemistry has been brought to bear upon Agriculture, with any degree of certainty or profit : but since the food necessary for maturing plants and vegetables has colour, which is most generally white. or been correctly ascertained, by men of science and deep research, the farming it may, its richness, in lime, will be most community would give evidence of their wisdom, by adopting such a method of farming operations as would secure to them large returns for the capital and ser chiefly consists in the calcareous skill employed.

contains any considerable amount of all fertilisers, that a score of instances carbonate of lime, we would recommend, have come under our own observatior, that, when the ploughing operations are where farmers have extensive beds upon being carried on, specimens of the subsoil should he dried, and reduced into a worth sufficient to value this kind of pro-But few of the Canadian farmers have powdered state, after which it should be perty at a farthing per acre more, than any correct knowledge of the benefits put into a state of solution with water, if no such substances were upon it; that would result, were they liberally to and if, upon the application of a small whereas, if only a single experiment had nse calcarious manures, as a dressing quantity of muriatic acid (or strong been made, upon either wheat or grass upon their land. In many sections of vinegar will answer nearly the same lands, it would have added one hundred purpose), it produces a state of effer-per cent, to the value of the property, in efficacious to the crops, the absence of vescence, or fermentation, it is a sure the eyes of every discriminating indivithe limestone-rock would prevent the use indication that the subsoil may be brought dual. bountiful Providence has, however, so ploughing, with favourable results to the passed through, and in which there has

It should, therefore, be a matter worthy most scarce, there are inexhaustible the closest attention of the intelligent mines or beds of carbonate of lime cultivator, to ascertain whether the pecudeposited, for the use of man, in a liar soil which he cultivates is based upon state that requires no further prepara- a stratum of calcarious earth, or whether tion or expense for the land further both soil and subsoil is deficient in this stance, which we call carbonate of lime, than the labour attendant upon leading essential substance. If both be deficient, was of any practical use, further than

fitable subject, we we ild embrace this tural purposes, is so great, that it is only under very favourable circumstances that its use could be recommended. There are, however, hundreds of cases within our knowledge where lime might

> So sanguine are we that great and normanent benefits will ultimately accruo to the Canadian farmers from the use of Marl alone, that no opportunity shall be lost, or trouble spared, in bringing the subject before the Agricultural community, in such a style as will, we trust, ensure their attention.

Marl is found in a variety of combinations, but that which may be brought into most general use is to be found in a desmall lakes and stagnant ponds of water, and in the bottoms of ash and cedar It is only within a few years past that swamps. The purest kinds have a soapylike appearance, and are very unctious to the feel; others appear like a mass of leached ashes, with the exception of the cream-coloured. Let its colour be what readily ascertained by applying the acids previously recommended; and it should be remembered, that its value as a fertiliparticles that it contains. So little va-To ascertain whether the subsoil lue has been placed upon this the best of their estates, and have not known its

In a part of the country which we lately been a failure in the wheat crops for the past few years, owing to the baneful influence of mildew or rust ; we discovered a bed of marl, covering an area of twenty acres; which to all appearance averaged a depth of fifteen feet : the owner of the property, as well as the surrounding neighbours, were not aware that the subit is obvious that it must be brought to the that of making a whitewash for plastered The expense walls, for which purpose it is in very exthis, above all others, a dry and any ro- of procuring kiln-burn tlime, for Agricul- tensive requisition. Upon analysis this

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