

what will be most suitable in his own particular circumstances, and we need not offer any further observations on the subject:—

*To the Editor of the Canadian Agricultural Journal.*

April 23rd, 1845.

SIR,—As you have invited correspondence from us habitants, I have ventured to trouble you in order to obtain information on the following subject:—As my pasturage this year will be indifferent for my cattle, I proposed sowing vetches, so as to be able to soil the milch cows during the two warmest months of summer. Which is the sort of soil most adapted, and best mode of cultivating tares or vetches in this country, the quantity of seed required per acre, and when would it be likely to be ready for cutting? Or is there any other green fodder, the seed of which could be obtained in Montreal, that would answer as well or better? It must be borne in mind, that as it is for immediate use, clover, lucerne, &c., which would only be available next season, would not answer; rape, I fear, would be liable to the attacks of the fly. By supplying the required information, with any data you may consider necessary, you will oblige your obedient servant, &c.

In reply to our respected correspondent, we conceive that vetches, or tares, would be the best plant that could be cultivated for the purpose required, under the circumstances. They should, however, be sown immediately, and on soil of sufficient fertility to bring them forward rapidly, so that they would be fit to cut the latter end of July, or beginning of August, when pastures begin to fail here. Vetches will grow on almost any quality of soil, and we have seen heavy crops produced on soils too poor to yield any other crop. As in this particular case, that the vetches would be required for soiling milch cows, when pasture begins to fail, it would be prudent to sow the vetches on good soil, well ploughed, and the seed harrowed in. One bushel and a quarter, or one bushel and a half, perhaps, to the acre, of seed is required. A small quantity of oats or rye sown with the vetches is a good plan, as it helps to support them. An acre of vetches is said to produce in England twelve tons of green food. We have given a full description of the mode of cultivation, produce, &c., in our "Treatise on Agriculture," p. 190 and 191, and we can supply a copy to any one requiring it. Rye has been

recommended for soiling cattle in summer, to be cut green, and it is said to answer extremely well, and give two or three cuttings, but we would prefer vetches. Lucerne might be cultivated this year, to cut next year for soiling cattle. It is very early and productive, and would succeed well in Canada. Rape is liable to injury by the fly, and we do not think it would be the most suitable food for soiling cows. We never have made use of it, except for feeding cattle for the shambles. Cattle will not thrive on any other food after they have been fed on rape. We shall at all times be most happy to give any information in our power to correspondents and subscribers. We publish the Journal with a view of advancing agricultural improvement, and we are most anxious to circulate any useful information that is in our power. We have every opportunity of obtaining the latest reports of improvements and experiments in the art of agriculture, as at present practised in the British Isles, and in other countries. And our subscribers may be assured we shall make such selections as we conceive most useful.

We have before us the first number of "*The British American Journal of Medical and Physical Science*," edited by A. Hall, M. D., of Montreal, and so far as we are capable of estimating its contents, we think most favourably of it, as highly creditable to the Editor, and to the Province, and heartily wish it well supported, and complete success, as we have no doubt it will deserve to be. Dr. Hall, as Lecturer of Chemistry at the McGill College, and one of the Physicians at Montreal General Hospital, will have the very best means at his disposal for filling up his journal with the most useful and interesting matter, and he will also have ample resources to select from. We expect that every succeeding number of this journal will become more useful and interesting. To ensure its being so, however, let it be properly supported, and this will give encouragement and confidence to the editor, which it is almost impossible to possess when a publication is not sufficiently supported. Subscribers are necessary to insure the usefulness and success of any publication.

In a former number of this Journal, we noticed Hall's Patent Machine for extracting small roots of trees and brush, and also the larger sort of