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

OLD SERIES

Nec aranearum sane textus ideo melior, quia ex se fila gignunt, nec noster vilior quia ex alienis libamus ut apes. [Comprised 13 Volumes

NEW SERIES, VOL. V:]

MIRAMICHI, TUESDAY EVENING, FEBRUARY 23, 1847.

[NUMBER 20.

which you noticed my former communi-cation has induced me to take up my pen a second time, to offer a few re-marks for your consideration; and if you think them worthy of a column in your paper, they are at your service. I had intended writing you some two months ago, but having an unusually large harvest to attend to, my time has been so much taken up, that I have had little inclination for writing. I make this remark, less you might think this the only wet day that has elapsed since I the only wet day that has elapsed since I

My feelings are still deeply interested in aiding and forwarding the causeof agri-culture, and raising our farmers to that standard which their calling and station demands; and that which I think to be the most effectual means of increasing their prosperity and improving their social condition, is an earnest appeal to their intellect for improvement. Not that a man should go to a book to learn to hold man should go to a book to learn to hold a plough, but to understand the nature and foundation of the soils, their component parts, their susceptibilities of varied culture, and what crops are sailed to their varied character—all these things, and they are essential to the profitable occupation of our soils, should be perfectly understood, and yet how few so understand them. I am fully satisfied that our farmers do not read enough on these subjects as relate to their own personal interests. I am often amused with the prejudice which exists against innovation, and blush for my calling, when vation, and blush for my calling, when I hear men possessing an ordinary share of common sense, talking of killing pork in the new of the moon, planting potatoes in another stage, sewing peas in a third stage of it, and a hundred other equally ridiculous and absurd assertions. It you ask them the reason of all this, they say, my father did so or said so, and I always did so, whereas two hours attentive reading of a common-sense author, and an hour or two of abstract thought, would convince them of the error and folly of the prejudices they act upon. I hear men possessing an ordinary share

The business of husbandry, says an The business of husbandry, says an author in drawing a comparison, may be likened to the healing art; the farmer, as well as the physician, may plod on meanits property of disintegrating organic matters, whether animal or vegetable, and reducing them to a convenient state to happy if you please, in his own cience, happy, if you please, in his own conceit, and in his ignorance, both may have tolerable success, by adopting the example of enlightened neighbors, or follow the impulse of their own discriminating minds, yet, both would do better, were they to understand perfectly the organization and properties of the subjects upon which they are to operate or are to employ. Generations have been engaged in investigating the business of both professions, and have handed down to us the results of their observations and ex-perience; these lessons of wisdom are considered indispensible to the student of medicine—they are no less beneficial to the student of agriculture.

of the most independant men on earth. The life of a farmer is one of labor, it is true, but labor unless carried to excess, is far from being prejudicial to the body or mind; vigorous exercise, such as the law of our nature, is necessary to the full development of either our body or mental powers; and unless the necessity is forced upon us in part, we are apt to evade it. I trust you will bear with me, Mr. Editor, if my remarks are verbose, when I tell you that some of my ideas upon it. I sincerely

mate prosperity.

But I will conclude: in my next I propose giving some of my own experience and observations on farming. Though I make no pretensions to philosopy or science in my practical experience, yet I of them, and am not alraid of their prac-

Yours respectfully,
Charles E. Chadwick. Dereham, Brock District, September, 1846.

whilst yet in a caustic state, others on the contrary, taking every precaution to destroy this causticity; and each in his turn, citing the all weighty authorities of experience and precedent. Doubtless the advocates of both sides are quite correct—neither experience or precedent has played the farmer false; but the conditions differed—the data were not the same. The so called destructive effects of lime are well known—we mean its property of disintegrating organic matters, whether animal or vegetable, and reducing them to a convenient state to be assimilated by veg-tables; and hence one valuable quality with this alkaline earth possesses in an agricultural point of view. Its operation, however, on mineral substances has not hitherto been so clearly studied, 'or the value of its agency appreciated. Professor Daubeny has directed the agriculturist's attention to the change which caustic lime exercises on disintegrating granite and his exercises on disintegrating granite, and his exercises. the student of agriculture.

A farmer can be, and when he underands his rights and privileges, is one

We need scarcely remark that lime enters as a constituent into the composition of most vegetables, but not in its caustic state, and in proportions, which are exceedingly small in comparison with many other bodies. Were the value of the material alone dependant upon this latter circumstance-namely, of its assimilation-that lime would never be employed with propriety in its caustic state. An analysis of any of the the subject of mental culturer deeply incommon vegetables which are produced terests me, and it affords me a secret on farms will prove beyond question that autisfaction in giving an expression to only a small portion of the value of time as a manure can depend on its assimiwish that more of our farmers knew lation, and that we must seek for this the calm satisfaction of taking an improvalue in other causes. If we select ving volumn by the peaceful fire side, or wheat as our example, we find that by wheat as our example, we find that by the peaceful fire side, or wheat as our example, we find that by the luxury of improving the mind. How analysis it yields about three per cent ced in the Province by the recent entered by the

wheat, seeing the large amount of alkali and of phosphoric acid which this cereal requires to minister to the necessities of its organization, substances contain-ing these materials in a loosely com-bined state, should be employed as ma-

Thus we have indicated powdered bones and ashes—the former to supply the phosphoric acid, and the latter to yield alkali. Without this artificial sapply the necessary elements must be achieved the same of the s Dereham, Brock District,
September, 1846.

From the London Farmers' Magazine.

ON THE ADVANTAGES OF CHEMISTRY TO THE FARMER.

BY DR. DAUBENY.

We alluded in our last to the benefits which were already beginning to dawn on agriculture by the adoption of chemical expedients and resources—we promised to revert to the subject again; and an admirable paper from the peu of Prolessor Daubeny, of Oxford, appearing in this number of our journal, naurally calls our attention to the matter of which it treats.

Among the various manures which are known to the farmer, and have been employed for time immemorial in the fertilization of soils, lime occupies a very conspicuous place. Yet most conflicting are the opinions of farmers as to the proper condition in which it should be employed—some advocating its use whilst yet in a caustic state, others on the contrary, taking every precaution to destroy this causticity; and each in his turn, citing the all weighty authorities of experience and precedent. Doubless the advocates of both sides are quite correct—neither experience or precedent has played the farmer false; but the conditions differed—the data were not the same. The so called destructive effects of lime are well known—we mean its property of disintegrating organic mat. obtained by decomposition of the sub-

known circumstance that wheat-indeed all grasses-produced in land that has been long manured with guano, is very weak in the stalk. The explanation of the circumstance is easy it being referri-ble to the absence in guano of silica or Binty matter, which is necessary to the substance of the stalk. Here is an interesting sequence traceable to a cause, which should alone be sufficient to inspire the farmer with confidence in the auggestive advantage of chemistry, and should encourage him to push his inqui-ries still lutcher in the very interesting

quent experiments on natural soils might regulated. He would thus, we take it, be enabled to speak with positive conbable and would reduce to system and res gularity the whole theory of manures:

Provincial Legislature OF NEW-BRUNSWICK EXTRACTS FROM THE JOURNALS

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HOUSE OF ASSEMBLY, Pebroary 9. COPE RIGHT ACT

Frederician, 20th July, 1993.

Agricultural Journal.

From the British American Cultivator.

A WET DAY.

The highly complimentary manner in which you noticed my former communication has induced me to take up my pen a second time, to offer a few remarks for your cousideration; and intended writing you some two

In the Report of the commissioners of the Post Office Inquiry in Canada, it was observed that no printed matter coming from England, except Stamped Newspapers, could pass through the post unless charged by weight at the rates of letters exceeding an ounce, when in the case of English Reviews, Magazines, and Pamphlets, acted as a complete prohibition, and that the American reprints of Miscelanies, under the privilige referred to, had obtained an extensive circulation.

The limited means and opportunities of acquiring books has led, in these provinces, as well as in the United States, to the publication of a great number of cheap Nespapers containing with the usual matter of Advertisements, Correspondence, and extracts from Eaglish and American Journals, selections from books and miscellanies. These selections which are for the most part, taken from the lighter productions of the English and American presses, are generally unexceptionable, and tend to encourage a taste for reading amongst those who have no access to books, and are cut off from social intercourse of an improving nature.

Some publishers in the United States, ta-

and are cut off from social intercourse of an improving nature.

Some publishers in the United States, taking advantage of the increased demand for publications of this nature, have undertaken the publication of entire works in consecutive numbers, or in extra sheets; and as examples of the works thus circulated in the Provinces as well as in the United States, may be mentioned, Allison's History of Europe, Leibig's Animal and Agricultural Chemistry, Arnold's Lectures on Modern History, Borrow's Bible in Spain, &c.; and it may be remarked, that the papers which are engaged in these republications, and depending on support in these Provinces, have taken no part in the acrimonious discussion which ofter pervade the political Journals in the United States.

The claim to protectection of the English publishers being the ground on which the circulation of these papers has suddenly been arrested by the charge of letter postage, and by the seizure of the "extras" the public attestion has been drawn to the high price of English books, which (As operated as entireity to prevent their civ/T, tion in these Provinces.

The encouragement is ived in the United

iy to prevent their civII tion in these Provincers.

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The encouragement we do in the United Kingdom, from the new supplied with copies of books as they issue from the press, and to whom the price of a book is less an object than the early supply of new works to their abbrerous subscribers and readers, renders it practicable in most cases for an English publicator to attach such a price to a book which would command any sale in the provinces, as nearly to remunerate him from this source alove, independently of the demand from individual purchasers, according to the merit or interes of the work.

The increasing demand of a more numerous and less affluent class of readers, has led to some reduction in the price of works, by their publication in less expensive forms; but the critics even of these books, enhanced by

to the change which caustic lime exercises on disintegrating granite, and his experiments taken conjointly with those of Professor Fuch's, of Munich, and Mr.

It has often eccurred to us that the clients would do well to testify the efficiency of manures on fictitious soils, the charges attending their transmission, exclude them from circulation in the colonies, especially during the winter months. Hence the restrictions imposed by the Copy Right Act, operate in no manner to the benefit of lica, allumina, lime, &c., alone or in combination; thus he would fix his data, and the English publisher, while by excluding the inhabitants of the British provinces from the opportunities they have hitherto enjoyed of the composition of vegetables. English press through the medium of the reprints, chiefly in the newspaper form, they are led untavourably to contrast their situation with that of their fellew countrymen in the United States, where such a restriction cannot

be enforced.
The protection of publishers in the United Kingdom is a question altogether distinct from the extention of the Copy Right Acts, by aupetially to these having separate Legislatures, who, if it devolved on them to consider of the large application of those laws, would, in atresistance, be disposed to provide also for the extension of the community, whom it cannot be the first to exclude from all access to English be crature, except by an evasion of the exor-

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