

the spot, without the other incidental expenses and carriage to market, which, from the distance and their being carried on the backs of horses, is very expensive. I shall therefore deduct the expenses which are generally observed in this island. The maintenance and wages of a free day labourer may cost, on the highest possible calculation, 200 dollars yearly. The general load for a horse or mule is 288 plantains, which at the price already stated, makes twelve reals, or one and a half dollars, or six shillings sterling for the hire of each horse and the man who drives him, the proprietor of the plantain grove finds himself reduced to the third part of the value of his harvest; that is to say, that it is reduced from 4438 dollars to 1479. But there is still a further deduction to be made in the hire of the labourer who cuts the bunches of plantains. It may be estimated that a man will cut 122 bunches per day; and as it is hard labour, he is paid five reals, or two shillings and six pence sterling, per day; the total of his yearly wages thus amounts to 181 dollars yearly,—which, deducted from 1479, leaves a net profit of 1298 dollars yearly, or 39½ per cent. annually, on a capital of 3310 dollars; a rate of profit not to be met with in European agriculture.

This calculation exhibits the extraordinary productive power of the island, and what may be expected from persevering industry. It also serves to show the imperative necessity of constructing good roads, in order to facilitate the carriage of produce from the interior to market; for we find in this simple calculation, what also holds good of every other class of productions, that the carriage to market absorbs two-thirds of the profits.

In making the foregoing calculation, I have not taken into account the misfortunes which may occur some years from hurricanes, because this extends to almost every class of tropical productions.

It were to be wished that scientific experiments should be made on this invaluable fruit, which may be considered to be the bread of the inhabitants of this island. There is no doubt that the plantain may be dried and exported like figs, or reduced to meal; in fact, the ingenious might invent many useful means of imparting still greater value to one of the most valuable productions of the torrid zone. It might be made, perhaps, an article of valuable exportation, and be looked on as a luxury in foreign countries.

No. V.

PROPAGATION OF WHEAT BY DIVIDING AND TRANSPLANTING ITS ROOTS.

Philosophical Transactions for 1768.

On the 2d of June, 1766, Mr. C. Miller sowed some grains of the common red wheat, and on the 8th of August a single plant was taken up and separated into 18 parts, and each part planted separately. These plants having pushed out several side shoots about the middle of September, some of them were taken up and divided, and the rest of them between that time and the middle of October. This second division produced 67 plants. These plants remained through the winter, and another division of them made between the middle of March and the 12th of April, produced 500 plants. They were then divided no further, but permitted to remain. The plants were in general stronger than of the wheat in the fields. Some of them produced upwards of 100 ears from a single root. Many of the ears measured seven inches in length, and contained between 60 and 70 grains.

The whole number of ears which, by the process above mentioned, were produced from one grain of wheat was 21,109, which yielded three pecks and three quarters of clear corn, the weight of which was 47lbs. 7ozs; and from a calculation made, by counting the number of grains in one ounce, the whole number of grains was about 57,684.

Dr. Tissot stated, that on calculation, 48 days' work in the year would raise more wheat than sufficient for six persons.

Mrs. Wm. N. Akerley,

RESPECTFULLY announces to the Inhabitants of Fredericton and its vicinity, that she will, on MONDAY the 13th of February, open an Establishment for the instruction of Young Ladies in the elementary and higher branches of Education. The course of studies will include Writing and Arithmetic, English Grammar, Composition, Geography, and Map Drawing; Ancient and Modern History, Chronology, Astronomy, Natural and Moral Philosophy; French, Drawing, Painting, Mezzo and Oriental Tinting.

Fredericton, February 3, 1843.

READING AND NEWS ROOMS.

THE Proprietor of this Institution being desirous of making the funds available as possible, offers for sale the undermentioned Periodicals and Papers at nominal prices to the members until the 10th of February, after which time, should they not be engaged, they will then be sold to clubs and others that may apply, for little less than the price of postage. The name and character is sufficient to warrant a free circulation among the reading Literary Public.

Blackwood's Edinburgh Magazine; Dublin University; London Metropolitan; London Quarterly Review; London Foreign do. do.

Also—London Athenæum, Atlas, Court Journal, Church and State Gazette, United Service Gazette, Colonial Gazette, Illustrated News, Illustrated Star, Bell's Life, Bell's Messenger, Satirist; Liverpool Albion. New York New World and Extras. Various Scotch and Irish papers; together with the leading Journals of New York, Philadelphia, Boston &c. Toronto, Kingston, Montreal, Halifax, and of course our own Province. Provincial papers delivered weekly and semi-weekly; the English Magazines and Literary Journals will be delivered on the arrival of every succeeding mail; and will be posted regularly for either clubs or country gentlemen.

Any Member of the Rooms can have their orders executed in London for any other Literary works not above enumerated, either in the Book, Magazine, or Newspaper department, as well as the Stationery line or otherwise. —For terms and particulars apply at the Reading Rooms to the Proprietor.

By the 2nd section of the Bye Laws, the Members of both branches of the Legislature are ex officio Members of the Rooms.

N. B. Any gentleman being a member of the Rooms, and wishing any alteration or change in the papers, or of the management of the Institution, will please to make known their desire to the Proprietor; who will be happy to attend to any suggestion, that may tend to the popularity and benefit of the same.

Fredericton, January 24, 1843.—4w.

TO LET.

AND possession given on 1st May next, or sooner if required—That very eligible situation for a wholesale or retail STORE, formerly occupied by the late P. FRASER, Esq. The premises consist of the Shop, which is well fitted up for business, with a good Cellar beneath, and Warehouse detached—Rent moderate. Application to be made to D. L. ROBINSON, Esq. Fredericton, or to the Subscriber at St. John.

B. ROBINSON, *Executor*
to the Estate of the late P. Fraser.

Fredericton, January 23, 1843.

NOTICE.

ALL Persons having any just demands against the Estate of Barnard Carroll, late of Fredericton, deceased, are hereby requested to present the same to either of the Subscribers for adjustment; and all persons indebted to the said Estate, are requested to make immediate payment to

MARY CARROLL, *Administratrix.*

THOMAS STEWART, *Administrator.*

Fredericton, November 30, 1842.—4w.

NOTICE.

ALL Persons having any demands against the Estate of PRISCILLA HAZEN, late of Burton, in the County of Sunbury, Widow, deceased, are hereby requested to present the same duly attested, within six calendar months from the date hereof; and all those who may be indebted to the said Estate, will make immediate payment to

J HAZEN,
CHARLES HAZEN, } *Executors.*

Burton, December 17, 1842.

A CARD.

MR. MANWEILLER, late of the Hamburg Theatre, begs to offer his services in giving instruction on the Violin, Viola, Violincello, Double Bass, Clarionett, Flute, French Horn, &c. &c.

He will also be prepared to arrange Quadrilles and Waltzes, and other instrumental and vocal music, for full or small orchestra—also, for the Piano Forte, with or without accompaniment.

Mr. M. will also be ready if required, to attend at evening parties—to accompany the Piano Forte or other instruments in Quadrilles, Waltzes, and other music.

Particulars as to terms and hours of instruction, to be obtained at Mr. Henry S. Beek's, Bookseller.

Fredericton, January 7, 1843.

NOTICE.

ALL Persons having any just demands against the Estate of Samuel Austin, late of Canning, in Queen's County, are hereby requested to present the same immediately for adjustment, and all persons indebted to the said Estate are required to make payment to either of the subscribers, within three months from this date.

ANN AUSTIN, *Administratrix.*

JOHN MARSHALL, *Administrator.*

Grand Lake, 5th January, 1843.—3mp.

All Letters must be Post-paid.

Printed and Published at the Royal Gazette Office, near the Province Buildings, by JOHN SIMPSON, Printer to the Queen's Most Excellent Majesty.

Saturday, February 4, 1843.