

**Agricultural Experiments.**

The fourth annual report of the Aberdeenshire Agricultural Association has recently been issued. It deals with the results of agricultural experiments in 1879-80, and has been prepared by that well-known Scotch chemist—Mr. Thomas Jamieson, F. C. S.

These experiments were tried in Scotland, at a time when the subject of agricultural distress was first mooted by those who believed that it was only by learning the most economical plans of manuring and of working and cropping his land that the farmer could hold his own. The Association resolved to do this, and their experiments have aroused a new spirit of inquiry in all parts of the United Kingdom, and elucidated facts that were of benefit and use to farmers. With regard to the turnip crop, their experiments show that a saving of about one-third the cost of the usual manure can be made, while the results are equal, if not superior, to the old system. Some interesting facts are quoted in the summary of the results obtained during the past five years. At first it was determined to seek information with regard to those two ingredients required by plants which enter most largely into manure—viz., phosphate and nitrogen—and it was further agreed that, of the three leading crops grown in the district, turnips were the best for their first experiments. The Association have steadily kept this in view; and, during the five years the experiments have been made, the opinions of its officials have been borne out. The experiments show that the turnip crop was much increased by phosphate of lime, but not much by nitrogen; while the oat crop was much increased by nitrogen, but not so much by phosphate of lime as the turnip crop. The clover and rye-grass crop does not seem much influenced by either nitrogen or phosphate; but its controlling ingredient seems to be potash, which has been sown all over. As to the different forms of phosphates, the experiments have demonstrated conclusively that insoluble mineral phosphates and coprolites can feel the plant without any dissolving by acid; that it is inferior by its slowness to the dissolved phosphate, but not nearly so much as has been supposed; and that the whole matter hinges on the fineness of the division. They also show that, without dissolving, excellent division could be got by steamed bone-flour, and that by the use of this quick and continuous phosphate, along with the cheap, slow, and continuous coprolite, the farmer might lessen his manure bill one-third. An appendix is added to the report containing tables of the results of the various plots will be invaluable to all who take an interest in the welfare of agriculture in Britain.

**The Growth of Canada.**

We are in the habit of felicitating ourselves upon the phenomenal growth of the United States, as if the cities that have, as if by magic, assumed gigantic proportions, could find no parallels outside of our favored Republic. It is unquestionably true that our rapid development is due in no slight measure to the institutions which, by throwing the people consciously upon their own resources, have taught them the gospel of self-help and compelled them to develop to the utmost the dormant resources within and around them. Yet Uncle Sam, great and grand and boastful as he is, may well cast a friendly glance sometimes across the Dominion line to admire the rapid strides that are quietly being made by a people who seem to have all the virile qualities of the true American, without the supreme American virtue of robust self-assertion.

The Dominion spills annually across the frontier a few thousand of her population, and looking at these, without estimating the extent of the great mass of population beyond or measuring the flow of the constant stream of immigration that spread itself through the Canadian forests and speeds across the continent to the limitless prairies of the Saskatchewan, our statesmen sometimes get the mistaken notion that Canada is emptying itself into the United States, and that the biggest obstacle to the full triumph of the Monroe Doctrine is about to be solved by the wholesale desertion of the Dominion by its residents. It is a very great mistake. Canada is growing at a rate of progression that has no parallel, except, perhaps, in the United States; her broad territory is being rapidly filled up by a homogeneous population that leaves for the solution of the future no such problem as is presented by the motley conglomeration of nationalities that makes up the sum of citizenship in the States; and she only awaits the construction of that great Canadian Pacific Railway line which is to be the grand work of the next few years to enter into competition on something like equal terms with the mighty republic of the West.

Whether that growth is due to the protective policy to home industry inaugurated by Sir John McDonald, it is not necessary here to enquire. Suffice it, that the policy in question has at least proved no barrier to the growth of Canada; the citizens of the Dominion, finding obstacles placed to check the importation of British and American manufactured goods, have gone to work with alacrity to establish manufactures of their own, and it seems probable that a decade of this policy, with the additional impetus afforded by the construction of a line of railway connecting the St. Lawrence with the great grain fields of Manitoba, will tend to so far accelerate the growth of the Dominion, as to make it a formidable rival to the United States in the competition for the control of the European market.—*Scottish American.*

**CHRISTMAS! CHRISTMAS!**—Have you seen the Christmas cards at Lewis? If not, you had better do so before purchasing elsewhere. All kinds and styles, including Prang's famous Prize Cards, and many other varieties, much cheaper than last year.

**NEWS BY TELEGRAPH.**

**SACKVILLE, N. B., Dec. 4.**  
In the boat race to-day, Ross won by seven lengths. His health is improving.

**LONDON, Dec. 3.**  
Advices from Buenos Ayres say the Government is trying to start a British colony in the Rio Negro.  
President Roca offers a grant of land for 5,000 English emigrants.

**BOSTON, Dec. 4.**  
Geo. F. Sweet, a drug clerk, formerly of Halifax, suicided by taking prussic acid.

**NEW YORK, Dec. 3.**  
It is stated that \$10,000 have been raised by a few friends, including Democrats and Republicans in Philadelphia for General Grant, which will be presented to him in a few days.

Claude Pelletier, one of the French Assembly banished by Louis Napoleon, died here last evening aged 65 years.

**LONDON, Dec. 3.**  
The degree of Doctor of Laws has been conferred on Bishop Littlejohn of Long Island, N. Y., by Cambridge, England, University, yesterday.

There is reason to believe that orders have been sent to the viceroy of India for the evacuation of Candahar to commence as soon as the weather permits.

A Shanghai despatch states that a second treaty with China provides that Americans shall not import opium or carry the product coastwise or sell it.

**A Sexton's Ungodly Career.**

**SENT TO STATE PRISON FOR ARSON AND HORSE STEALING—FIRING CHURCHES AND BARN IN THE NIGHT.**

The career of Cornelius A. Fine, of Patterson, N. J., is a peculiar one. Born of respectable parents, he received a common school education, was admitted to membership in the Methodist Church in Newark, and had as bright a future before him as any young man in the ordinary walks of life. Then he began to drink. Next he was arrested and convicted of stealing a horse and wagon and sent to State Prison for five years. Having served three and a half years he was pardoned and went to Paterson, where he soon became well known for his dissipated habits, quarrelsome temper and pugilistic tendencies. After living anything but a creditable life for several years he was again sent to State Prison, this time for assault and battery. He served out his term and returned to Paterson determined to turn over a new leaf. Soon the wolf was changed into a lamb, and instead of a horrible example of wickedness Fine became an example of piety. He worked hard every day at his trade as carpenter, joined the Grace Methodist Episcopal Church and soon married a respectable lady of Patterson. Encouraged on every side the former horse thief soon came to be looked upon as a good citizen, and rose to the dignity of deacon of the church to which he belonged. A year ago it became apparent that he was slowly returning to his old habits of dissipation. He spent a great deal of time in beer saloons, and urged in extenuation that he had no work. He was then appointed sexton of Grace Church, but that position was not lucrative enough to support him with out other work. He complained to the trustees and asked for an increase of salary. This having been denied he resigned his position and continued his downward career. Soon an attempt was made to burn Grace Church, but the fire was extinguished before it had gained any headway. Fine was suspected and the police kept an eye on him. Grace Church, however, was doomed, and a few months after the first fire it was burned down and \$15,000 worth of church property reduced to ashes. The police doubted not that Fine was the incendiary, but sufficient evidence could not be found to fasten the crime upon him.

On May 22 Fine had been on a spree. In the evening he found a horse and buggy and drove the Godwinville turnpike. First he set fire to the barn and outhouses of William De Gray; then he touched a match to the large barns of Peter Hopper, and finally set fire to the Passaic Valley Church. All these were reduced to ashes. Fine, in his drunken frenzy, after driving a distance into Bergen county, returned by the same road and passed the ruins of the three fires again. He was chased by the farmers, who at once recognized him; but, owing to a desperate resistance and the fleetness of his horse, he succeeded in making good his escape. He was arrested the next day and numerous identified by the farmers who had chased him the preceding night.

His trial was brought on at the present term of the Passaic County Court, and he was convicted of horse stealing and arson. His defence was an alibi, in which he sought to show that he was dead drunk at the time the crimes charged upon him were committed. On the 26th ult. he was arraigned for sentence and sent to State Prison for two years for larceny and for five years for arson, making a total of seven years, as Judge Barkalow stipulated that the terms should not run together. The Judge had hardly finished pronouncing sentence when Fine assumed a tragic posture, and raising his hands and face to the ceiling of the court room, exclaimed in a loud voice, "Before my God to-day I am guiltless of this charge. I am an innocent man." The Court evidently thought that the excitement of Fine was manufactured, and so had him removed from the court room at once.—*N. Y. Herald, 27th.*

**ST. JAMES' CHURCH.**—The ladies of this church propose to hold a public tea and musical and literary entertainment in St. James' Hall, on Wednesday evening next, beginning at six o'clock. Tickets of admission can be procured at the stores of Messrs. W. R. Watson and C. D. Rankin, and at the door of the Hall on the evening of the entertainment. The proceeds will be applied to aid in meeting the interest on the debt.

**McDOUGALD & SEAMAN'S**, sleighs are of the very latest styles, and have the most modern improvements.—dec 2nd eod.

**Tea & Entertainment**

**ST. JAMES' HALL, (OLD KIRK.)**

**THE Ladies' of St. James' Church will hold a Public Tea and Entertainment in ST. JAMES' HALL, on**

**Wednesday Next, 8th inst.**  
Tea on the Tables at 6 o'clock. Admission to Tea and Entertainment 40 cents. Tickets to be had at the Stores of Messrs. W. R. Watson, C. D. Rankin, Alex. McKenzie, and at the door.  
Dec. 4, '80—s m tu w, ar li

**Prince Edward Island Railway**

**SUPERINTENDENT'S OFFICE, CHARLOTTETOWN, Dec. 4, 1880.**  
**A SPECIAL PASSENGER TRAIN** will leave Charlottetown for Georgetown, at 3.30 a. m., on **MONDAY, 6th inst.**, connecting with "Northern Light" for Pictou Landing.  
**L. B. ARCHIBALD,**  
(de 4) Superintendent.

**Herring, Herring, Apples, BY AUCTION.**

**I WILL SELL BY AUCTION, IN FRONT OF THE Queen Street Auction Rooms.**

**MONDAY, 6th of Dec., inst.,**

**AT 11 O'CLOCK, A. M.,**  
200 bbls. Labrador HERRING,  
75 bbls. Nova Scotia APPLES,  
20 chests Choice Congou TEA,  
4 crates assorted CROCKERY.

**W. D. STEWART,**  
Dec. 3, '80— Auctioneer.

**Flour, Tea, Raisins, Sugar, Apples, Leather, Pipes, &c.**

**IN STORE, and SELLING LOW FOR CASH or good paper,**  
300 bbls. best Superior Extra FLOUR,  
100 chests Strong and well-flavored  
100 half chests Congou TEAS,  
30 boxes LAYER RAISINS, new fruit,  
20 do. London Layers, do.,  
20 do. Loose Muscatels, do.,  
20 do. Valencia Raisins, do.,  
200 do. Layer Raisins, old fruit,  
100 sides No. 1 Sole LEATHER,  
50 boxes T. D. and assorted PIPES,  
20 bbls. Red and Silver Skin ONIONS,  
20 bbls. Porto Rico SUGAR.

**WILLIAM DODD,**  
Dec. 3, '80—3i Queen Square.

**NOTICE.**

**MR. ROBERT SHAW** will meet his constituents at the following times and places:—  
1. At the School House at Driscoll's on Wednesday, the 15th December, inst., at 6 o'clock, p. m.  
2. At Smith's Corner, Fort Augustus, on Thursday, the 16th December, inst., at 1 p. m.  
3. At Mount Stewart Hall, on Thursday, the 16th inst., at 6 p. m.  
4. At Ten Mile House, on Friday, the 17th inst., at 1 p. m.  
5. At Brackley Point Road School House, on Friday, the 17th inst., at 6 p. m.  
Dec. 3, '80—ne pat

**No. 1 Sole Leather.**

**JUST RECEIVED,—**  
100 sides Campbell's Best No. 1 Sole.  
Selling low.  
Dec. 2, '80—3i

**Buffalo. Buffalo.**

**A SPLENDID LOT OF BUFFALO ROBES,** lined and trimmed.  
A few JAPANESE ROBES.  
**BEER & SONS.**  
Dec. 1, 1880—1m

**Union Bank of P. E. Island.**

**DIVIDEND NO. 33.**

**NOTICE** is hereby given that a dividend, at the rate of eight per cent. per annum, has been declared on the Capital Stock of this Bank for the past six months, payable at its Head Office and Branches on and after this date.

**GEO. MACLEOD,**  
Ch'town, Dec. 1, '80—1w Cashier.

**TO BE SOLD OR LET.**

**ALL THAT PROPERTY KNOWN AS DUNCAN'S WHARF,**

Commencing at the boundary of the Steam Navigation Company's Wharf to the division line between Water Lots 6 and 7.

For further particulars apply at the office of Messrs. Hodgson & McLeod, or to the undersigned.

**R. F. QUIRK,**  
Nov. 30, '80—1m eod Water Street.

**BUY the DAILY EXAMINER** for the latest news—local and telegraphic.

**AT—TREMACHINE & METCALF'S, 83 QUEEN STREET.**

**Prince Edward Island RAILWAY.**

**TIME TABLE NO. 15. Winter Arrangement.**

To take effect on the 6th Dec., 1880.

**TRAINS GOING WEST.**

STATIONS.	MIXED.	MIXED.
Georgetown	Up 8.15 a.m.	
Cardigan	" 5.40 "	
Mount Stewart	Ar 10.00 "	
Souris	Dp 7.00 a.m.	
Bear River	" 7.49 "	
St. Peter's	" 8.44 "	
Morell	" 9.16 "	
Mt. Stewart	Ar 10.00 "	
Mt. Stewart	Dp 10.05 a.m.	
Bedford	" 10.43 "	
York	" 11.06 "	
Royalty Junction	" 11.22 "	
Charlottetown	Ar 11.45 "	

Charlottetown	Dp 8.15 a.m.	Dp 3.00 p.m.
Royalty Junction	" 8.38 "	" 3.23 "
North Wiltshire	" 9.30 "	" 4.15 "
Hunter River	" 9.45 "	" 4.30 "
Bradalbane	" 10.21 "	" 5.07 "
County Line	" 10.32 "	" 5.18 "
Kensington	" 11.10 "	" 5.56 "
Summerside	Ar 11.45 "	Ar 6.30 "
Wellington	Dp 1.45 p.m.	
Port Hill	" 2.34 "	
O'Leary	" 3.15 "	
Alberton	" 4.32 "	
Tignish	" 5.32 "	
	Ar 6.25 "	

**TRAINS GOING EAST.**

STATIONS.	MIXED.	MIXED.
Tignish	Dp 6.45 a.m.	
Alberton	" 7.38 "	
O'Leary	" 8.40 "	
Port Hill	" 9.56 "	
Wellington	" 10.36 "	
Summerside	Ar 11.25 "	
Kensington	Dp 2.00 p.m.	Dp 7.45 a.m.
County Line	" 2.35 "	" 8.20 "
Bradalbane	" 3.13 "	" 8.58 "
Hunter River	" 3.23 "	" 9.08 "
North Wiltshire	" 3.29 "	" 9.45 "
Royalty Junction	" 4.15 "	" 10.91 "
Charlottetown	Ar 5.07 "	" 10.32 "
	Ar 5.30 "	Ar 11.15 "

Charlottetown	Dp 2.30 p.m.	
Royalty Junction	" 2.53 "	
York	" 3.09 "	
Bedford	" 3.31 "	
Mt. Stewart	Ar 4.10 "	
Mt. Stewart	Dp 4.15 p.m.	
Morell	" 5.00 "	
St. Peter's	" 5.31 "	
Bear River	" 6.28 "	
Souris	Ar 7.15 "	
Mt. Stewart	Dp 4.15 p.m.	
Cardigan	" 5.33 "	
Georgetown	Ar 6.00 "	

**L. B. ARCHIBALD,**  
Superintendent.  
Railway Office, Charlottetown, Dec. 3, 1880.  
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**Wants, Lost, Found, &c.**

**LOST**—Between Point Prim and Ten Mile House, a brown waterproof overcoat (plaid inside). The finder will be rewarded by leaving the same at John Grant's, Orwell; or Wellington Mutch's, Belfast; or at this office. [no 4 li, wkly 2i]

**FOUND**—On Sunday, Nov. 28, a Pocket Book containing a sum of money, etc. The owner can have the same by applying to WM. CAREY, East Royalty. [de 3 3i \*

**STRAY CALF**—A Stray Heifer Calf, color white, brown head and neck; has been on the subscriber's premises for the last ten days. The owner is requested to take her away, and pay for this advertisement.—HENRY LONGWORTH, Glynwood. [de 3

**WANTED**—A Good COOK. Wages liberal. Apply before 20th Dec., inst., to Mrs. L. H. DAVIES. [de 3 eod tf]

**LOST**—A small bunch of KEYS, rendered conspicuous by a cork screw attached. The loser would be obliged to have them left at the EXAMINER office. [de 2

**WANTED**—By a competent person, employment for the winter to make up books and accounts. Apply at this office. [de 1

**MILK COW**—Newly calved. Apply to A. McRAE, Pownal. [no 30 tf]

**WANTED**—A smart BOY about 15 years of age, to attend general store. Must have good recommendations. Apply to the EXAMINER office. [no 30 tf]

**CHAIN**—A large lot of second-hand CHAIN—as good as new. For sale cheap.—C. F. YATES, cor. Water and Pownal streets. [no 26 6i]

**CARRIAGES STORED** for the winter in a large and dry warehouse. Terms very low. Apply at this office. [no 29 3i eod]

**WINDLASS GEAR**—Two sets Windlass Gear—for half price.—C. F. YATES, cor Water and Pownal streets. [no 26, 6i]

**TO LET**—A Tenement House, situated on Kent street, next door to Dr. Creamer. Apply to MRS. OFFER, Queen street. [no 13 tf]

**BOARDERS**—Three or four Boarders can be accommodated with first class board and apartments at very reasonable rates, in a pleasant and one of the most convenient localities in the city. Apply at this office. [no 6 tf]

Charlottetown, November 15, 1880.