

THE ACADIAN.

WOLFVILLE, N. S., APRIL 5, 1889.

The Franchise.

The Franchise Bill introduced into our Local Parliament during the present session does not seem to meet the expectations of either of the political parties of the day if we are to judge by the utterances of their several organs.

Universal suffrage has been for a long time anticipated and desired, and it was expected that when the government should bring down a measure for the extension of the franchise it would be so liberal as to extend to every male person of the age of 21 years and upwards subject to the proper condition of citizenship and having no legal disabilities.

The weight of the argument from the government side of the house seems to be that the intelligence of our people is not at present high enough to be intrusted with so important a boon. It is a sad commentary upon our boasted land of free schools and colleges when we have to admit that our intelligence is not sufficiently high to enable us to enjoy the privileges of our neighbors in New Brunswick, Prince Edward Island and other provinces whom we have never considered above us either in education or intelligence.

In the new franchise bill are to be found the most of the objectionable features of the Dominion Franchise Act without a corresponding number of desirable ones. Taking it all together it appears to be a very bad imitation of the Dominion Franchise Act.

The grounds of justification for property qualifications are extremely small and there seems to be no just reason why the person who owns \$300 worth of personal property or whose income amounts to an equal amount in 12 months should be any more entitled to a voice in the selection of those who are to preside over our Municipal or Provincial matters, than has the person who owns but \$299 or a less amount or who earns a similar sum during the twelve months.

A Thriving Business.

We have before omitted to make reference to the improvement which our enterprising Boot & Shoe dealer, Mr. C. H. Borden, has recently made in his store. The partition between the front and back shops has been removed and the store extended the entire length of the building, making one of the most convenient and attractive places of business in the county. Mr. Borden began business in Wolfville about eight years ago and by strict attention to the wants of his customers has built up a large business and succeeded in drawing trade from distant parts of the county. For some time past it has been evident to him that his business required more extensive quarters, and this spring he determined to have the change we have referred to. Mr. Borden has also made some changes in his lines and has added to his stock of boots and shoes, hats and caps, and genteel furnishings of all kinds, a large stock of ready-made clothing. He informs us that he is carrying a much larger and better stock in all lines this year than ever before and the appearance of the shelves of his shop prove this to be true. Persons wishing anything in his line may be pretty sure of getting it at Borden's. His stock is always fresh and in the latest style, and he is always ready to wait on customers. His brother, Mr. C. R. Borden, who last fall returned from a five years' stay on the Pacific coast, will assist him in making it pleasant for customers. We are glad to see these signs of prosperity in the affairs of our townsman and wish him a good season's trade.

Canning W. C. T. U. Meeting.

Since the organization of the auxiliary of the W. C. T. U. here in January last the initiation has gradually advanced, its members now number thirty-three with every prospect of increase.

Two public meetings have been held; the last on Saturday the 30th inst., the principal features of which was a very excellent paper by Mrs. W. L. Chittier, on "Building," and an eminently practical address by Mrs. Wm. Trenholm, both these ladies, who are members of the Hantsport Auxiliary, did admirable work for the cause. Rev. Mr. Kempton and Capt. Joseph Toiker addressed the meeting in an impressive manner, Miss Effie Woodworth recited a poem in commendable style, and Mrs. Dr. Eaton read an interesting article entitled "A Thrift at the Decanter?" these, with suitable music by the choir, constituted the programme. The choir was occupied by the President, Mrs. L. E. Tost. Several signed the pledge.

Work on the Cornwallis R. R. is steadily progressing. W. A. Payzant, dentist, has just returned from dental college and is prepared to do finer work than ever. All kinds of dental work done by the latest methods. Office at his residence, Station street, opposite Acadia Hotel, Wolfville.

C. W. Bishop wishes to inform the people of Wolfville and the neighboring country that he is prepared to do all kinds of painting, paper-hanging, kalsomining and glazing in best style. Send along your orders.

Progressive Nova Scotia.

A CORRESPONDENT VISITS EASTERN NOVA SCOTIA WITH HIS EYES OPEN.

Mr. Editor,—Many persons are inclined to think that our province does not make such rapid strides in improvements and industry as we observe in other places. Some of these professional grumblers think that we shall never prosper as a country unless annexed to the United States; but if some of these persons should take a trip through our land with their eyes open they might find much that would agreeably surprise them.

During a recent trip in some of our eastern counties I have been astonished to note the progress in every trade.

Even in our slow and conservative capital, Halifax, for instance, there are several things that will attract notice. The new dry dock, which, when finished will be of immense value to the city, as ships of any size can be repaired at all times of the year; new freight sheds on the wharves, with rail tracks running to them; the N. S. Sugar Refinery, although not comparatively recent carrying on a large and profitable business; the Cotton Factory running on full time;—these are some of the industries which deserve attention. Also, we might speak of the new steamer Halifax, owned and managed by N. S. capitalists, which makes her trips from Halifax to Boston in the winter, and Cape Breton, P. E. Island and Boston in the summer.

Taking a run up the I. C. R. the thriving, go-ahead town of Truro contains many objects of interest. Besides the well-known schools there are a number of foundries, factories, mills and canning establishments which are doing a large business.

I wish to speak also of the Provincial Agricultural Fair, under the management of Prof. H. W. Smith, lately started, where young men can learn, at a small cost, the science of farming.

In New Glasgow we find a veritable hive of industry; three or four foundries, the glass works, steel works, and forge works, some of these being the largest of their kind in the Dominion. Through the kindness of the manager, Graham Fraser, we were also shown through the steel and forge works. They manufacture the gas for smelting the iron and scrap iron. About three hundred men are employed, and the amount and style of work would astonish anyone who had not witnessed the like. They make spring teeth for harrows, horse rakes and springs for reaping machines. One man gave an order for 8,000 harrow teeth. A firm ordered 3 car loads, (about 24,000), another 25,000 springs for seed sowers; the majority of which go to the Upper Provinces. The forge works are turning out large quantities of iron axes, ship knees and other heavy work.

The coal mines in this section are too well known to need a description, but mention might be made of the Acadia or Londonderry Iron Mines, which are now in successful operation. In Cumberland Co. we had the opportunity of visiting the Dominion Experimental Farm at Nappan, which is superintended by our genial friend, Col. Wm. Blair. He is draining the farm with tiles and testing different kinds of fertilizers, planting grains, roots, apple trees and small fruits; and keeps a record of the growth and value of everything raised there. A large barn has been erected where they intend to keep improved kinds of stock. They have six fine looking horses now.

The work has been started on the Short Line Railway, which will connect Oxford, Cumberland Co., and Pictou. Other lines of railway are under contract and process of construction, as, for instance, the Chignecto Marine, which will materially aid commerce in this vicinity. In contrast to the enterprise manifested in the eastern part of our Province in this matter of railroads is the progress being made to finish the missing link between Annapolis and Digby, so long needed to give a thorough route to Yarmouth.

One could enlarge further on this subject, but not wishing to trespass further on your valuable space I remain yours, AN OBSERVER.

Resolutions of Sympathy.

Whereas, it has pleased Almighty God, in his providence to call from our midst Bro. Thomas Wallace, and

Whereas, our Bro. Wallace was for a number of years a prominent member of Acadia Lodge, faithful in the discharge of all his duties, ready for every good work, honored and respected as a citizen; Therefore Resolved, that we place on record this tribute to the memory of him whose kindly presence and wise counsel was ever appreciated.

Further Resolved, that we tender our most sincere sympathy to the bereaved family, asking them to remember, that he who has called our Bro. up higher, has promised to be a father to the fatherless; and also, that one for whom they mourn has passed all sorrowing and is now happy where the wicked cease from troubling and the weary are at rest.

Resolved, also, that a copy of these resolutions be sent to the family of the deceased, and that these resolutions be inserted in the ACADIAN.

On behalf of Acadia Lodge, AUSTIN T. KEMPTON, EDWARD BLACKBURN.

Now is the time to subscribe for the ACADIAN! If you are getting it now have it sent to a relative or friend.

Adaptation of Fertilizers to Crops.

SOME POINTS FOR FARMERS BY ONE OF THEMSELVES.

Plants require certain nourishments from the soil in common, though not all in like proportion. An examination into the analysis of the ash constituents of different field crops show vastly varying proportions.

An analogy may be found between the diversity of food requirements for plants and for those of animals. While all domestic animals require carbohydrates (starch, sugar), and albumen for the formation of flesh and muscle, and ash constituents for the formation of bone, yet the farmer deals out to his animals the foods containing these substances in such proportions and conditions as will suit the nature and period of growth. Some of these foods are bulky, some concentrated, and these containing greatly varying nutritive ratios. Perhaps in some cases, if the farmer were asked why he did this, he might at first be lost for an answer, but the fact remains and the feeding of animals is now reduced to a science in some sections.

If the farmer is to practice economy the great variety of agricultural plants must be treated in a similar way. It has been demonstrated beyond dispute that 95 per cent. to 99 per cent. of the entire mass of plants is derived directly or indirectly from the atmosphere. The part required directly from the soil consists of nitrogen, sulphur, potash, soda, lime, magnesium, phosphoric acid, chlorine, and silicon. The proportions of these, as has already been said, vary in different plants. And it must be borne in mind that the small per cent. derived from the soil is essential as though the whole plant came directly from that source.

Silica is an abundant ingredient of all soils; and chlorine, magnesium, soda, and sulphur are, for the most part, in sufficient quantities in all cultivable soils. Then the farmer is interested mostly in supplying potash, nitrogen, and phosphoric acid. Other substances, as salt (sodium chloride), and lime, are often useful, but may properly be called amendments rather than fertilizers.

In discussing the adaptation of fertilizers to crops, three things must be considered. First, the composition of the crop; second, the nature of growth; and third, the period and duration of growth. R. Warrington, F. C. S., says:—

"The true economy of manure can be understood only when we are acquainted with the special characters of the crop we cultivate. The composition of the crop is no sufficient guide to the character of the manure appropriate to it. It is not only the materials required to form a crop, but the power of the crop to assimilate these materials which must form the basis of our judgment. This fact has been much overlooked by many scientific writers, who have counselled farmers to manure their land in every case with all the constituents required by the crop, a proceeding both impracticable and unnecessary."

Then having a basis, it will be well to examine the constituents and characteristics of our common farm crops. The cereals—wheat, barley, and oats—resemble each other very closely in their ash constituents, and these contain much less nitrogen than the leguminous (beans, clover) or root crops. The amount of phosphoric acid found is not very different from that found in other crops. Phosphoric acid is, in fact, the most constant of all the ash constituents of crops. The root crops contain a large amount of nitrogen, and among the ash constituents potash greatly predominates. Hay, while it resembles the cereals, never matures its seed, or should not, and may be regarded as a straw crop. In accordance with this characteristic, hay is found to contain a larger amount of potash and lime than grain crops, and a much smaller amount of phosphoric acid.

Next, as to nature of growth: It is known that the spring sown grains possess fibrous roots and strike them to a moderate depth into the soil. Autumn sown grains (wheat and rye) have more deeply penetrating roots and a longer period of growth than the spring sown grains, and are better able to supply themselves with the necessary plant food from the soil. Mangels draw their supplies from quite a depth, while turnips strike their roots to a less depth.

Regarding the period of growth, the early spring is very important with the cereals, and they mature in the early part of autumn. For this reason a dressing with a fertilizer containing phosphoric acid and nitrogen is of great importance to them. Mangels require the full season for growth, from early spring to late autumn, and they possess, in a marked degree, the peculiar power of appropriating the phosphoric acid of the soil. Therefore, a fertilizer for mangels should be rich in nitrogen. Turnips, on the contrary, make their growth during the latter part of the season, feed near the surface, and have not the power of appropriating the phosphoric acid of the soil. They require to be supplied with this latter ingredient. Potatoes occupy the best growing part of the season, and while they are general feeders, yet they appropriate a large amount of potash.

If, then, in the purchasing of chemical fertilizers, the farmer wishes to practice economy and obtain "the largest return at the smallest cost" from the soil, he should sum up the foregoing and kindred facts, and something like the following will be the result:—For the cereals the fertilizer should be rich in phosphoric acid and nitrogen (a nitrate on ammonia);

for the grasses, clover and potatoes, the fertilizer should be rich in potash as well; for turnips, the most important element is phosphoric acid; for mangels, to obtain the yield, it is important that the fertilizer should be rich in the essential plant foods, except the nitrogen should be less in proportion; otherwise a large growth of foliage may be stimulated at the expense of the fruit. Phosphoric acid, potash, and the alkali salts should predominate for the fertilizing of the soil for fruit culture.

In the United States and Ontario the practice of applying special fertilizers has been observed for years, with the best results; but in the Lower Provinces for the most part, the one fertilizer has been sold for most purposes, which is not economy for the farmer, to say the least of it. To illustrate, a fertilizer suitable for potatoes or mangels worth \$40 per ton, should contain about \$3 worth more ammonia and potash, and about \$3 worth less phosphoric acid than a perfect fertilizer for turnips, making the fertilizer for turnips worth \$35 per ton.

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Minard's Liniment is the Best.

LECTURE.

—BY— Frederic Villiers.

—IN— College Hall, April 5th.

SUBJECT: "WAR ON A WHITE SHEET," OR

An artist's experience in the last decade.

Introduction.

How sketches are prepared for the Illustrated Papers. Our artist on a Pacific Field. Our Artist on a Warlike Field.

Russo-Turkish.

The Great Ravitza Redoubt and March of the Russians on Plevna. My Charger at Radshova. July, Plevna, Serbia. My Friend, Archibald Forbes. On the Heels of the Retreat. Sandwith and I in our Sleigh. The Death-tramp of the Plevna Prisoners. The Little Sister.

War and Peace in Egypt.

The Exodus from Alexandria. Lord Charley and the Ship of the Desert. His Hobby Horse. The Drill of the Fifers of the Conqueror. The Guns all Aport. The Conqueror before Marabout. Covering the Landing Party at Port Mex. Port Cameron.

Ruins of Alexandria.

Bluejackets in Clover. The Square. Officers of the Grenadier Guards. Arabi and his Counsel, A. M. Broadley.

To Abyssinia With the Mission.

In the Suez Canal. A Warrior in his Toga. A Courtier. Eyes Front. St. George and the Dragon. Adowa, the Capital. King John.

Up the Nile with Wolsley.

Lord Wolsley. Col. Fred Danvers. Canadian Voyageurs. The Advance of the British Army. I come to Grief Wolsley's Flannel Shirt. A War Correspondent's Kit. Men of the Boats The Puddings. Taking it easy.

Across the Desert with Herbert Stewart.

General Stewart. Burnaby. The Camel. A Mid-day Halt in the Desert. A Halt at Night. Sir Charles Wilson. Death of St. Leger Herbert. The Square on the March to the Waters. The Great Rush on the Square. The Nile and the Wounded. Bureford's Boat. Woeful Tidings—Kartoum is Fallen.

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Wolfville, Sept. 6th 1888.

PAINTS!

Just received: 3 Tons White Lead, Raw and Boiled in Linseed Oil; 100 Gals. Best Prepared Paint. Latest Artistic Shades.

ALSO

Pure Prepared Paints in Quarts, Pints and Half Pints—All Shades.

WALTER BROWN.

Wolfville, April 1st, 1889.

Photo. Studio.

--Lewis Rice, of Windsor,--

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April 1st, and remain one week of each month commencing first Monday in the month.

April 1 till 6, May 6 till 11, June 3 till 8.

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March 28th, 1889.

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On hand Hard and Soft Coal, at Port Williams.

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Port Williams, Jan. 31st, '89.

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Feb'y 28th, 1888. 1 mo

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Has just opened a full assortment of

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At figures not to be beaten.

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