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NOVA SCOTIA



JOURNAL OF AGRICULTURE

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Omnium rerum, ex quibus aliquid acquiritur, nihil est agriculturâ melius, nihil uberius, nihil homine libero dignius.—Cicero: de Officiis, lib. I, cap. 42.

VOL. III.

HALIFAX, N. S., JULY, 1879.

No. 28.

Halifax, July 9th, 1879.

THE present season has presented several remarkable meteorological features. In Halifax and general other counties an unusually early, warm and dry spring time in April, enabled early crops to be put in, and gave opportunity for preparing the land for later ones. There was hot weather in May, but in the third week of that month a cold freezing period set in, and then a succession of changeable rather untoward weather, a mixture of warmth, night frosts and seasonable rains. The Atlantic counties seem to have escaped the June rains, and in Halifax, where the soil is naturally dry and sandy, the crops were being burnt up with the long drought. The only crop that has not suffered is the potato, which gives great promise of an abundant yield of excellent tubers, provided the country is not deluged with rain before the crop is ready to be taken up. The heavy rains of last night and to-day will greatly improve all crops.

Mr. LONGLEY reports prospect of an average HAY crop in Annapolis, which is confirmed by Mr. Whitman. A similar report comes from Antigonish per Rev. A. C. Macdonald, although Mr. Chisholm fears the deleterious effects of the cold spring if these are not speedily neutralized by fine weather. In Colchester Mr. Johnson reports, in similar terms. Col. Blair and several observers in other counties, that on well cultivated lands the grass is very good, on poor lands it is poorer than usual. The remarks of Mr. Archibald of Upper Musquodoboit are

emphatic on this point. Mr. Dickson speaks well of the grass in Cumberland. In Guysborough, according to Mr. Connolly, the grass looked well in May, but the early frosts of June threw it back. In Hants Mr. Blanchard reports a good show on dyke and good lands, but less than average on cold soils. In King's county Mr. Eaton also speaks of fair crops in good dyke and upland, whilst the promise on poor land is of less than average. Mr. Musgrave writes from North Sydney, "grass very promising." Mr. Ross of Boularderie refers to the early start of the grass, and to its retardation by cold and frosts, as likely to reduce the crop to below average. Mr. McRae, of Pictou, writes in the same terms. Mr. Brown shows the season at Yarmouth to have been remarkably ungenial, although the root crops are now promising. Col. Starratt reports that in Annapolis, cattle were in pasture fully two weeks earlier than usual.

A large increase of the WHEAT crop is reported from counties of Annapolis, Antigonish, Colchester, (where Dr. Peppard says the indications are splendid) and Halifax.

OATS and BARLEY have been retarded by cold and wet. Col. Laurie notices particularly that the cold, dry weather since the middle of May has retarded the growth of late sown grain.

An average crop of APPLES is looked for. Trees bloomed well, but fruit failed to set, in some instances from frost, in others from cold and wet or exhaustion of the trees. PLUMS "very scarce."

CHERRIES, even at Bear River, few. In Antigonish county all fruit crops are inferior. The Rev. Mr. Godfrey finds consolation for the June frosts in their efficacy in destroying insects.

Mr. Zwicker foreshadows a scarcity of CABBAGES, which will be good news to our friends in St. John's, Nfld. (see report in a previous number).

Not only is there an increase of winter and spring wheat on our farms, but of other grains as well. Veal is scarce in the markets,—farmers are raising their calves. Root growing is extending rapidly, the Sugar Beet is being tried, and everything indicates that our farmers are waking up to a sense of the duty that lies upon them, to feed the people of Nova Scotia, so that they may cease to knock at the door of the western granary.

THE Provincial Exhibition will be opened on the 29th September for arrangement of Exhibits. The public opening will take place on Tuesday, 30th September, at 2 p. m., when an Opening Address will be given.

THE Provincial Exhibition Building is being erected on the large field lying between Tower Road and Robie Street, south of Spring Garden Road, and not far from the Public Gardens.

HEAVY frosts destroyed many patches of potatoes and tender vegetables in parts of Pictou, Colchester, Halifax, and probably other counties, on the night of 5th July and following nights.

REPORTS ON THE PRESENT CONDITION AND PROSPECTS OF THE FIELD CROPS AND ORCHARDS IN NOVA SCOTIA.

ANNAPOLIS COUNTY.

FROM COL. W. E. STARNATT, PARADISE.

Maple Grove, Paradise,
June 27th, 1879.

DEAR SIR,—In answer to your enquiries respecting crops in this district, I may say that we have had an early spring—the cattle being put to pasture fully two weeks earlier than usual.

Fruit trees bloomed fairly, giving at the present writing a prospect of only an average crop,—Nonpariel and Pippin very good, other varieties being very much under the average. Plums very scarce.

There has been a large area of wheat sown from seed purchased in the Upper Provinces, which is looking finely and gives promise of a good yield.

Corn but little planted, and that very backward, owing to cold weather of May and June.—Potatoes on light soil came up well, and the warm weather of the last few days is giving them a good start—those planted on heavy soil rotted in ground.—Grass on rich uplands, as well as on the marshes, good: but old fields are light.—Oats and barley were somewhat injured by the cut-worm, but are now getting better root and making rapid growth.

The cheese factories are receiving a large quantity of milk, and dairymen are looking forward to better prices under the new N. P.

FROM AYARD LONGLEY, ESQ., M. P.

Paradise, June 27th, 1879.

DEAR SIR,—In reply to your enquiry about farm crops in this district, I would say,—that grass looks well, and the chances are greatly in favour of at least an average crop of hay. Grain of all descriptions looks well, and there is a greater area than usual sown this season. Indian corn came up pretty well, but its growth has been very slow for the last fortnight, in consequence of the cold weather. On the whole the prospect of the corn crop cannot be pronounced promising, but a fortnight's warm weather would work a surprising change in its favour. Potatoes, turnips, mangolds, carrots, &c., look very well.

Fruit.—The chances are in favour of a light apple crop. There was a fair show of blossoms, but the fruit has not set well. Indeed, in many cases where the trees were full of blossoms, there is now no appearance of fruit.

In view of the unparalleled apple crop of last year, it would be surprising if we had even an average crop this year.

Of pears, plums, cherries, &c., I cannot speak very definitely, but probably the yield of these will be about the average. Speaking generally, the country looks well, and the husbandman has fair promise of reasonable returns for his labour. I am glad to say the farmer is becoming more and more alive to the importance and honor of his calling, and a general determination is prevalent to grow more wheat, and, if this is carried out it will ensure better cultivation, and better and more abundant crops generally. All classes are taking commendable interest in the forthcoming Provincial Exhibition to be held in Halifax, in October next, and probably the Provincial Exhibition of 1879 will surpass any ever held in the Province.

FROM REV. W. M. GODFREY, ST. CLEMENTS.

St. Clements, June, 1879.

DEAR SIR,—Your note of enquiry, June 23rd, reached me only on Thursday, 26th, giving me but a very short time to ascertain such agricultural intelligence as you desire.

Just now the farmers hopes are on the rise, the warm days, and the more necessary warm nights, have come, and brought with them the much wished for change of weather. June 17th, 18th and 19th, were remarkable for snow, frost and ice, to the great injury of the spring crops. Buckwheat was destroyed; early beans perished; and potatoes on many farms were cut down,—while the corn seemed almost beyond cure, turning yellow and drooping; but the change came, and now the grass is rapidly recovering its usual greenness.

Our apple crop, however, has unexpectedly been benefitted by the cold—which destroyed insects and the eggs in large quantities. So we learn to put one thing against another, and keep up our hopes.—Wild fruits will be very scarce. The strawberries few, small and sour; raspberries generally are damaged; and the blue, or bløberry, is already pronounced a failure. The cherries also, for which Bear River is famous, will also be this season very few. Indeed, in many localities, the biting east wind has withered the leaves off the trees. Yet, notwithstanding these losses, our prospects are fair. Winter wheat presents a good dark green color and stocky growth, which is always a hopeful sign; and I think our farmers will increase that crop in future years. Oats spring up thick and strong, and promise a good harvest. Of barley we can say but little at present, not much yet sowed. Potatoes generally look well, especially those planted in April or May, the later kinds do not give much promise as yet; indeed, in some fields they have perished entirely, and the farmers are sowing turnips instead.

Generally speaking, our whole crop is much later than usual; unfortunately we contrast it with that of 1878, and begin to grumble because the present is not quite as good as the former. The currant worm and the squash bug have eaten up almost every plant with which they came in contact, and are able now to withstand hellebore, white pepper, or paraffine oil. We have not yet tried Paris green, being afraid the remedy would be worse in unskilled hands than the disease.

Our farmers are raising young cattle this season, having slowly learned there will be a greater demand and a better price hereafter for all the good stock they can raise. At present all stock rules very low, except horses, for which Annapolis has long been noted. Young lambs sell for two dollars. Veal is very scarce, and cows fluctuate in price, from seventeen to twenty-five dollars each. Possibly the Exhibition at Halifax, and at home, may exercise a wholesome influence over purse, property and man. May it come soon.

FROM GEO. WHITMAN, ESQ., ROUND HILL.

Round Hill, June 28th, 1879.

DEAR SIR,—Your letter of the 23rd inst., was duly received. The prospects for field crops as a whole are good—the wet and cold weather in May made many late planting and sowing, but the warm weather the last week has brought on vegetation rapidly, and grass, though late, looks well, and, with sufficient rain, hay bids fair to be an average crop. Apples give promise of a better crop than was expected, after the abundant crop of last year; in many orchards the yield will be above the average. The apple crop is one of the most remunerative to the farmers of Annapolis. Last year upwards of thirty thousand barrels were shipped from here to England and Scotland, some cargoes of which (but were properly packed and arrived sound) sold at fair prices, especially when we take into consideration the depressed state of trade and the enormous quantity sent there from the Upper Provinces and the United States.

Grain.—A larger area sown than for many years, especially wheat, and gives promise of a fair yield. Corn is late, owing to the cold weather the first part of this month, and the late frost in some districts injured the corn, beans, squashes, pumpkins, &c. Some of our farmers have planted small lots of sugar beets as an experiment; the soil appears to be well suited to their growth, they give promise of being a valuable crop for the farmers in the Valley to raise, either to feed to stock or sell to the sugar factory.

Potatoes.—A larger area planted than last year, and look well.

ANTIGONISH COUNTY.

FROM REV. A. C. MACDONALD, BAYFIELD.

*The Rectory, Bayfield,
June 26th, 1879.*

DEAR SIR,—In reply to your enquiry as to the present state and future prospects of the field crops in this district, permit me to state as follows:—

Hay crop.—Is promising only fairly. The long continued cold and drought of the first three weeks of the present month, the usual season for starting the grass rapidly forward, has retarded its growth considerably. Still, in rich and well cultivated meadow land there will be a good average crop, while showery weather, with the heat that has set in since the 22nd June, will wonderfully change the condition of all growing crops.

Grain crop.—The area in all kinds of grain has been considerably increased this year. The success attending the cultivation of wheat last year, which was comparatively a very successful yield, rising in some cases to twelve to one, has acted as a stimulus for our farmers to sow more this year. The attention of our people has been fairly directed to the importance of this matter, and what with the hitherto large drain upon our available resources, ready cash being the principle one, in procuring this staple, and the fear of the N. P. effecting a higher price in the imported article, as well as a better knowledge of the value and application of fertilizers, are producing such results as will place our farmers upon the high road to prosperity at no distant day. An effort commensurate with the saving to our country of some \$80,000 in money is surely worth the trial.

Root crop.—We have just awoke to the importance of raising this crop in its varied branches. Not only so, but a determination has been made to feed these crops on the ground, the only plan that will prove practically valuable and profitable. Considerable quantities of Mangold Wurtzel seed has been sown in this district, and it is to be hoped that such a result will be obtained as will prove this root to be the *Sheet Anchor* one, for feeding stock. The introduction of a high grade fertilizer has at length dawned upon us, Mr. Jack having been instructed to seed us something like a half dozen barrels. When skilled labour and a still higher knowledge of the value of commercial fertilizers have been more forcibly impressed upon us, our success as husbandmen will surely be realized.—Upon the whole, I am thankful to say, that the prospects of husbandry are quite cheering, and that when “the early and later rains” have fully contributed to this end, and the clouds have dropped their fatness, the harvest will be truly plenteous and bountiful.

FROM D. CHISHOLM, ESQ., ST. ANDREW'S.

St. Andrew's, June 22nd, 1879.

DEAR SIR,—In reply to your communication of the 23rd inst., asking for a report on the prospects of field crops in this district, I must say that during the month of May the weather continued cold and dull, with very little sign of any growth. For the last few days we have had refreshing showers of rain which have revived the crops to some extent, and I am happy to say there are now indications of an average crop. However, it largely depends on the weather from this until the middle of next month. If drought prevails for any length of time it will retard their growth, and we will have every reason to dread a very great failure. On the other hand, (as they have already a fair start, and should we be blessed with showers and the soil become heated) I have no doubt but our crops will be good. To be as brief as possible, grass, oats, wheat and potatoes, which are our principal productions in this township, do not look very promising just now, owing to the cold weather, which has rendered them lighter than they would have been with a continuous growing season. As regards fruit, roots, vegetables, &c., I must say, from personal inspection and information received from reliable sources, they will not yield as well as they have done for the past two or three years. Viewing the present prospects of crops upon which the husbandman (who is the stayman of our country) depends, it is no ways encouraging; the general depression in trade, and a continuation of hard times, (so-called) will place the country in a straitened position, from which it will take many years to relieve itself.

COLCHESTER COUNTY.

FROM COLONEL W. M. BLAIR, M. P. P.

Onslow, June 30th, 1879.

DEAR SIR,—In regard to crops, I would say hay on other than rich soils, light, much injured by late frosts, but recent rains will improve it. Oats light, a large breadth of wheat sown and looks fair. Potatoes backward, a large breadth of roots planted and coming on fair.

FROM JAS. JOHNSON, JR., TATAMAGOUCHE.

*Tatamagouche Bay,
June 28th, 1879.*

DEAR SIR,—With pleasure I answer yours of 23rd inst., in reference to the state of crops and their prospects. The spring being exceedingly fine and warm, vegetation was early and farmers sowed and planted two weeks in advance of previous years on the average. The grain is looking nicely, that is, on dry, sandy

land, but on clay and loam not nearly so well, not so far advanced as we think it should be. Potatoes have the appearance of an abundant crop, about one-third more planted than usual, and looking well. The grass on well cultivated lands or fields is extra good, but on poorer fields it is quite inferior, and will be, unless we have very extra warm rains; in our estimation the hay will not be an average crop, but if rain should come soon it would improve the field crops very much, we hope for it.

FROM DR. PEPPARD, LONDONDERRY.

The hay crops up and down our Bay shore promise an average yield; rain is greatly needed to make the crops as good as last year. There has been a larger number of bushels of wheat sown last spring than for years before; at present the indications are splendid. Potatoes did not come up regular on account of cold wet weather after planting, those that survived look strong and healthy. Turnips, mangolds and carrots are looking well for the time of the season. There has been more planted this season than ever before. The early frosts of June did great harm to the root-crops. Fruit: no apples; cherries, and the small early fruits of our fields have been injured by frost and will be a failure.

FROM F. R. PARKER, ESQ., SHUBENACADIE.

Shubenacadie, June 30th, 1879.

DEAR SIR,—In reply to yours, I beg to say, and I will commence with the hay crop first, as it is the article we mostly sell, that marshes, intervals, and good uplands adjoining promise to give a very good crop. The lands in the settlement east and west of Shubenacadie will not be an average crop. Double the quantity of wheat has been sown than last year, and looks well; and if it turns out as well, the farmers will have nearly enough bread to do them, if not altogether. Oats look pretty well, and it is hard to say whether it will be an average crop or not. Barley and buckwheat not very much raised, but look very well. Potatoes a little more planted than usual, and look very well. More turnips, mangolds, carrots and sugar beets put in the ground than usual, and all look very well for the season. Taking the crops as a whole, there will be more raised than last year, as there is a larger area of ground cultivated, and at the same time every farmer could cultivate in green crops one-fifth more if he wished. There is quite an improvement in our farming than there was many years ago, and still there is great room to go on.

[A communication from Israel Longworth, Esq., of Truro, mailed some time ago, has not yet reached us.]

GUYSBORO' COUNTY.

FROM JAMES CONNOLLY, ESQ., INTERVALT.

*Intervalt, Guysboro',
June 26th, 1879.*

DEAR SIR,—Yours of the 23rd inst. is just received. The hay crop promised to be an extra one in May, but about the 6th or 7th of June we had a severe frost which killed all the clover in the low lands, and this, followed by several slight frosts and cold weather, brought the hay crop below the average up to June 20th; warm weather is now set in and the hay crop is improving, and is to-day about an average one. The frost above referred to cut off all the potatoes that were over ground, but yet the potato crop is very promising. Wheat and barley is looking well; the oats have a good colour, but are very short. Buckwheat is poor; the fly has taken chiefly all the first sowing of the turnips; peas look well. The weather was unusually dry for the last seven weeks.

CUMBERLAND COUNTY.

FROM T. D. DICKSON, ESQ., PRESIDENT OF THE PARRSBORO AGRICULTURAL SOCY.

Parrsboro', 28th June, 1879.

DEAR SIR,—In reply to your circular of the 23rd inst., I have to say that the crops in this district are looking and doing well generally. The season was early for grass, and notwithstanding a great deal of cold weather in this month, and the more frequent and more severe June frosts than usual, it has continued to grow well, and now makes a good appearance for the season. There has been no rain for the last ten days, so that we now have a drought; if it should continue a week longer it may do the hay and other crops much injury.

Early planted potatoes have been hoed and those planted later have come up well, with few exceptions. Where the seed was defective or the ground too dry when planted, they missed in coming up. On low grounds near fresh water the early ones were cut off by the June frosts, but they have started up again and will make a later, but a good crop if not attacked by the blight. In many places corn and beans that were up were cut off by the June frosts and will not grow again, on high grounds they escaped the frosts. Spring wheat has been sown on several farms and now looks promising. Having filled well for the last three years there is more confidence in trying to raise it than for many years previously. Oats have been extensively sown and look well. Barley makes a fine appearance. Almost every farm has a field of buckwheat, much of it is now only coming up. Turnips have come up well and are not as yet attacked by the fly. The vege-

tables usually grown here in gardens only, viz., beets, carrots, parsnips, cabbages, onions, cucumbers, pumpkins and squash, are doing well. Apple trees and cherry trees during the last two weeks have been gorgeous with blossoms, and it is noticed that the fruit on many trees is setting thickly. Strawberry blossoms were most abundant, and, if the severe and repeated frosts in June have not killed them, there will be a large crop of the fruit, people will begin to gather the berries next week, and if plentiful they will continue to do so for three or four weeks. In two or three weeks gooseberries will be fit for picking and they promise to be a good crop. It is too soon to judge of the prospect of the crop from the other small fruits. We should be thankful that our staple crops of hay, grain and potatoes are quite as promising as they have ever been at this time of the year.

HALIFAX COUNTY.

FROM COLONEL LAURIE, PRESIDENT OF BOARD OF AGRICULTURE, OAKFIELD.

Very much larger breadth of wheat is sown this season, and early sown spring grain generally promises well. The dry, warm weather at end of April was most favourable for early grain, both sowing and germination. The continuous cold, dry weather since the middle of May has checked the growth of late sown grain, which looks poor and spindly, except in rich land. Potatoes were planted in good season, but the growth is very slow. Mangolds and turnips are sown to a larger extent than in previous years, but the want of warm rain is badly felt by those crops which are really suffering. In strong, rich grass lands the grass started well in April and got ahead of the drought; poorer lands have but a small promise of hay for the mowing machine. Pastures are very bare, and, unless rain shall fall soon, the cattle will get a short bite of grass. Well worked farms feel the drought less than poor, starved fields, and such seasons as this teach us that farming, if done at all, must be done properly and as a business, and only in that way can be made to pay.

FROM DAVID ARCHIBALD, ESQ., UPPER MUSQUODOBOIT.

*Upper Musquodoboit,
June 27th, 1879.*

DEAR SIR,—With regard to the field crops in this locality allow me briefly to state as follows:—Wheat, the quantity sown this year is far in advance of anything done in wheat culture for some years past, the crop looks promising and superior in growth to other grain. Oats, cold and dry weather has kept this crop in a backward condition. Barley, the late sown looks exceedingly well, the early sown, injured by late spring frosts. Buck-

wheat, just coming up and looks healthy and vigorous. The hay or grass crop, which is our main stay agriculturally, does not, as yet, give promise of a heavy crop. The weather through the Spring season and up to the present, (with the exception of a few days) has been extremely cold and dry, which, in connection with late frosts, have told severely on low grass lands, particularly on lands under a poor state of cultivation, and an average crop will depend upon moist weather and frequent showers; lands under good cultivation give promise of an average yield; it is a fact most certain, that grass lands under a proper and thorough state of cultivation, never fail to yield great crops, the rich soil retains the moisture necessary to growth, and has the power to force up the crops, and throw off the blighting effects of a June frost. Mangolds and turnips, early sown, have been injured by the fly, but in most cases turnips are only coming up. Cold has kept the potato crop a long while under ground, but the warmth of the past few days is operating with telling effect upon this important crop.

HANTS COUNTY.

FROM W. H. BLANCHARD, ESQ., WINDSOR.

Windsor, N. S., June, 28th 1879.

DEAR SIR,—In reply to your favor of 23rd inst., I may state that the hay crop on good land shows a good average crop; some of our dike lands never looked better, but on cold soils the grass is not up to the average. Early sown grain is looking very fine, late sown is looking bad. Not much winter wheat was sown in this district, but a larger area was sown in spring wheat this season than for years past, and it shows well. The good crop of wheat last year encouraged our farmers to sow more this season, and the most of them will not be likely to look elsewhere for their next year's bread. Potatoes in light land are looking well, but there are complaints of the seed failing in heavy lands; little can be said of the prospects of this and other root crops so early in the season. I may say, however, that our farmers are cultivating mangolds and turnips more largely than formerly, and a few of them are trying the sugar beet this season. Notwithstanding the cold weather and the late frosts, the fruit crop bids fair to be a good average. Owing to the low price of butter our farmers are looking for a better market for their milk, and have decided to try a cheese factory; this establishment will probably be in working order next week. Our farmers are also turning their attention to breeding a heavier class of cattle than heretofore, feeling that however useful the smaller class of cows may be in producing milk, something heavier is wanted to supply the demand for beef.

CAPE BRETON COUNTY.

FROM A. G. MUSGRAVE, ESQ., NORTH SYDNEY.

North Sydney, June 23th, 1879.

DEAR SIR,—Yours of 23rd inst. at hand. In answer, I am able to report favourably on the prospects of the crops in this section of the county. Grass looks very promising. The past month has not been as favourable for grain and potatoes as could be wished for, but for the past few days vegetation has been very rapid, upon the whole I think the prospects are good.

FROM JOHN ROSS, ESQ., GLEN FARM, DOULARDERIE.

*Little Bras d'Or,
June 26th, 1879.*

MR. EDITOR,—Vegetation never made an earlier start than it made this Spring, up to the 20th of May everything looked promising, and I do not know that I ever saw grass looking better in this district than it did at that date, but since we had a continuation of cold weather up to the latter part of last week; we had several heavy frosts that cut the early potatoes and even scorched the young clover, we now do not expect to have more than an average crop of hay, if it will come up to that. There is more wheat sown this season than ever before in this district and it looks well. A great many are complaining of their potatoes, that the seed rotted in the ground. Oats so far promising. Barley, very little sown. Turnips are only sown and cannot say what they may be. If we should have a fortnight now of warm, damp weather the crop in general would be good, and a fortnight of cold dry weather will put it below the average.

KING'S COUNTY.

FROM C. F. EATON, ESQ., LOWER CANARD.

Lower Canard, June 26th., 1879.

DEAR SIR,—Your favour of the 23rd is received. As requested, I give briefly my views on the present state and prospects of the field crops in this section of the country. Hay, this crop will be fair on good dyke and uplands, while on the poorer lands the yield will probably be less than an average. On the whole the prospect is not very flattering. Wheat, the sowing of winter wheat is becoming more general, and the result of a number of years has proved very satisfactory, it is looking very well at present. Some fields were headed out as early as the 12th inst. Spring wheat too is sown much more extensively than in former years, it does not, however, look as forward as we might expect to see it. Corn, not much planted, and this crop too has been kept back by the cold weather during the early part of the month. Oats,

large quantities sown and are looking usually well. Barley and buckwheat, but little sown. Potatoes, as usual in this country are extensively planted, and the remunerative prices paid last year have had a tendency to induce our farmers generally to make larger preparations for this crop than heretofore, and I am of opinion that there are more planted than in any previous year. The seed has been slow in coming up, but the recent rains and warm weather have caused a rapid growth, and this, to us most important crop, is looking very promising. Garden vegetables are looking fairly.

Fruit—Apples do not promise a large crop, though possibly an average one, and pretty generally distributed. The Canker Worms appear to have had their day, and, with a few exceptions, have almost entirely disappeared from our orchards. Much exertion has been made for their destruction, by using tarred paper, printer's ink, and Paris green, each of which has done its part in lessening their numbers; birds have also appeared in large numbers during the month of June and have greatly assisted in their destruction, and their scarcity this season leads us to hope that we shall not be troubled with them in the future as we have been in the past. Pears promise a good crop. Plums below an average. The country is looking beautiful at present, the warm weather having a most beneficial effect on vegetation generally.

PICTOU COUNTY.

FROM JAMES MACRAE, ESQ.

Pictou, June 30th, 1879.

DEAR SIR,—Yours of 23rd inst. received, requesting information on the present state and prospects of the crops in this district. In reply I have to state that the latter part of April and May has been very favorable for farm work, hence a larger area of land sown and about two weeks earlier than usual, prospects so far are encouraging. Wheat has been extensively sown, with a larger demand for imported and improved seed. Oats and barley look healthy and promise a good return. Potatoes, so far, doing well. Hay has a fine start in May, but owing to the cold, dry season during the latter part of May and first of June, the present appearance is not very encouraging, late rains, however, may revive it, and probably we may expect an average crop; I can say nothing about turnips and other root crops further than that a larger area has been sown than last year. Fruit of all kinds promised well during the first part of the season, but the cold and frost during the first part of June injured the blossoms materially, there will be, however, an average crop. Upon the whole, prospects are good.

LUNENBURG COUNTY.

FROM B. ZWICKER, ESQ., KAHONE BAY.

DEAR SIR,—In reply to your wish, I beg to say that the prospects of the farmer look cheering at present; the winter rye is very good; barley is also very good; the potatoes came up very regular and are looking well; wheat is not generally sown by our farmers, what I did see is looking well; cabbage will be very scarce this season for the want of plants; the dry, warm weather the first part of May made the little black insect that we call the flea, very destructive to the plants, and many farmers have none to set out, the hay is the principle crop, some people think it will be short of last year, my opinion is that there will be a fair crop, in rich land it is very good and forward, some few have cut a little round their buildings where it lodged. A good soaking rain now would crown the hay crop.

YARMOUTH COUNTY.

FROM CHARLES E. BROWN, ESQ.

Yarmouth, 27th June, 1879.

DEAR SIR,—Your circular of 23rd inst. respecting present state and prospect of crops, received. The Spring of 1879 is quite without precedent in this county. Up to the 19th inst, with the exception of one or two warm days in April, our weather has been almost a continuation of winter, ice making on several nights in June, an uninterrupted succession of cold, over-cast days, not north winds only were chilling, but all alike, while frequent rains kept the soil wet and cold. Seeds germinated but slowly, in many cases rotting in the ground, and when the plants appeared above the surface, growth from week to week was almost imperceptible. Crops under these conditions are all backward, the hay crop will be probably a quarter less than the average, the drought of last season having killed the roots, and the constant cold winds checking progress, pastures also are poor and dairy product will be high. The potato crop will be late, so far the plants are vigorous and healthy, high prices have stimulated planting (worth now 60 cents to 90 cents per bushel), if the later season prove favorable there will be a large crop. Grain fields, although late, look well, considerably more sown this season than heretofore. The root crop on the whole is now promising. The sugar beet is on trial to some extent, so far is growing as vigorously as the mangold. Turnips yet to be sown. Although we had a large fruit crop last season, and this was supposed to be the off year, trees were full of bloom again, and unless injured by the frosts, of which I do not yet see indications, there will be a good crop of fruit. The early strawberry blooms were

blighted, but the later escaped injury, and there will be a large yield.

I inspected yesterday a large plot of Crescent seedling, accidentally left entirely uncovered for the winter, the plants stood the exposure uninjured, cover the ground now, fruit almost half grown and the yield promises to be large. The Currant Worms came early, but the cold and the wet were against them, and after the first brood was destroyed there has been no subsequent invasion.

The last week has been fine, warm weather, more grown than in the preceding month, and, if the rest of the season continues favorable, there may yet be a fair harvest.

OBITUARY.

DIED at Inverleith House, Edinburgh, at 5 a. m., on Monday, 16th June, 1879, MARION SPOTTISWOOD, aged 51, eldest surviving daughter of the late Isaac Bayley, Esq., of Manuel, and wife of John Hutton Balfour, M. D., F. R. S., Director of the Royal Botanic Garden, and Emeritus Professor of Medicine and Botany in the University, Edinburgh.

The interment took place in the Warriston Cemetery, Edinburgh, on Thursday, 19th June.

THE amount of Prizes offered at the Halifax Exhibition is \$10,272.

CORALLORHIZA multiflora grows in quantity on the hill overlooking Sackville Mills, 4 miles above Bedford.

APPLICATIONS for Prize Lists and Entry Papers are being received from all parts of the Province and United States, from Chicago to South Carolina.

Arrangements are being made for having Steam Engines in operation at the Exhibition, with a view, if possible, to supply motive power to Exhibitors who may wish to show their machinery in action.

In addition to the ordinary prizes offered by the Exhibition Committee for the approaching Provincial Exhibition, there are special prizes in Class 6 offered by the Etiwan Phosphate Co., (Agent, A. M. Jack,) for Sugar Beets, Turnips, Wurzels, Wheat, Oats and Buckwheat, all to be grown by the Company's fertilizers; and in Class 27, special prizes by M. S. Brown & Co., for Trotters, Butter, Fruit, Cheese and Yarn. The prizes offered are appropriate Sterling Silver and Electro-Silver articles, &c. Alderman Fraser repeats the liberal prizes offered by him in 1874 for Cows, Oxen, Sheep and Pigs fed by the North British Company's Nutritious Condiment.

PROVINCIAL AGRICULTURAL AND INDUSTRIAL EXHIBITION,

To be held in the City Exhibition Building and Grounds, South Common, Halifax, between Tower Road and Robie Street, 29th September to 3rd October, 1879. Amount of Prizes offered—\$10,272.

GENERAL REGULATIONS.

1. The Exhibition grounds and buildings will be opened on Monday, September 29th, at 7 o'clock, a. m., and continue open during the day till sunset, for the reception and arrangement of exhibition articles and animals. Exhibitors on arrival will immediately report themselves at the office of the Secretary, who, with the assistance of the Committee of Management, will allot appropriate pens or space for their exhibits. This day none but members of the General Committee, officials, exhibitors and necessary attendants will be admitted.

2. Live animals, flowers, and perishable articles will be received on Tuesday morning, from sunrise up to 9 o'clock, unavoidable delays to be dealt with at the discretion of the Committee.

3. The Exhibition will be open to the public on Tuesday, September 30th, at 2 o'clock, p. m., when an Opening Address will be given. Admission, this day, 50 cents. Children under twelve years of age, 25 cents. The grounds and building will be open each succeeding day to visitors, from 9 a. m., to 6 p. m., after which the main Exhibition Building only will remain open till 10 p. m. Admission 25 cents; children, 10 cents. Bands of music will be in attendance daily. The cattle yards will be closed to the public every evening at sunset.

4. The judges will meet at the Secretary's office on Tuesday, September 30th, at 9 a. m., to obtain entry books and proceed to award premiums. On completing their work, which must be finished by Wednesday, noon, they will personally show their books to the Secretary, and will be furnished with the requisite prize tickets, which it will be their duty to place carefully, and as soon as possible, upon the various articles, before giving up their books and report.

5. Exhibits may be removed from the grounds on Friday afternoon, October 3rd, at 3 o'clock, immediately after the closing address has been delivered. The Treasurer will commence to pay premiums on the grounds at 9 a. m., on Friday. Prizes not claimed within three months from the close of the exhibition will be forfeited.

6. Every intending competitor, must transmit to the Secretary, not later than the dates mentioned below, an entry

paper, containing a correct list of the animals or articles which he intends to exhibit, together with certificate of pedigree in the case of thoroughbred stock, or else a reference to the registry numbers of the Nova Scotia Stock Register. Any competitor failing to transmit his entry certificate at the proper time, will be excluded from competition. No fee is charged for the entry of animals or articles. In class II. no animal will be accepted as thoroughbred unless actually registered in the Nova Scotia Herd Book Register, or certified by the Executive Committee of the Board of Agriculture, as duly qualified for entry.

7. Horses, cattle, sheep, swine and poultry must be entered on or before Saturday, September 6th, three weeks preceding the show, and the age of each animal should be stated in years and months, at date of exhibition; the precise date of birth to be given when necessary.

8. Plants and flowers, fruit, grain, roots, vegetables and other field and garden products, agricultural implements and manufactures of all kinds, and articles not elsewhere enumerated, may be entered up to Saturday, September 20th, one clear week preceding the show.

9. Exhibitors of bulky articles, requiring extensive accommodation, must communicate with the Secretary on or before Monday, August 15th, stating what space they will require, in order that there may be time for the committee to make the requisite arrangements.

10. All articles for exhibition must be on the grounds on Monday, September 29th, after which day none will be received, except live stock, fruit, flowers and other perishable articles, which will be received up to 9 a. m. on Tuesday, September 30th. All necessary erections, and bulky articles requiring to be put together on the grounds or in the buildings, must be finished, and all waste material and rubbish removed, not later than 12 o'clock, noon, on Saturday, September 27th, as no such work can be permitted during the show week.

11. Exhibitors will, in every case, give the necessary personal attention to whatever they exhibit. Necessary attendants upon live stock, and workmen actually required to attend to machinery, will be furnished with admission tickets, (price 25 cents) with their names written upon them, which tickets will be good at the Exhibitor's gate only, during the show, such tickets to be obtained from the Secretary, by personal application.

12. All articles for competition shall be the production or manufacture of the exhibitor; field produce must be the growth of 1879, except where otherwise specified; and all live stock must have been owned and kept by the exhibitor in the

Province not less than three months prior to the exhibition.

13. All expenses incurred for the conveyance of articles or animals, to and from Halifax, placing them in the exhibition, and maintaining them while there, shall be borne by the exhibitors, who must likewise undertake all risk of loss or damage. Articles must, in every case, be delivered and unpacked, free of expense to the committee.

14. In class IX., and for all miscellaneous exhibits, similar to those embraced in this class, "delivery checks" will be furnished, when such articles are given in charge of exhibition officials, and no such exhibits can be removed from the building, unless these "delivery checks" are presented to those in charge of the department.

15. Each exhibitor will receive from the Secretary an entry ticket for every article to be exhibited by him, and he is required to affix such ticket upon the article or animal which he exhibits, or on the stalls.

16. When fewer than three competitors appear for any prize, and where the articles exhibited are not of superior merit, the judges shall have the discretionary power of awarding or withholding prizes, or reducing their values. No article can take two prizes, or be exhibited in two collections, unless the contrary is distinctly expressed in the prize list. In estimating the merits of live stock, the judges are requested to take age into consideration, where animals of different ages are competing against each other.

17. The committee are required to reject articles which they may consider unworthy or unfit for exhibition.

18. No person shall be allowed to enter for exhibition more than one specimen (or required quantity) in any one section or class. This rule is not to apply to animals.

19. During the exhibition, all vegetable products and manufactured articles shall be under the control of the Exhibition Superintendents, and all live stock shall be taken charge of by their owners, the Superintendents giving all practicable assistance in providing the necessary accommodations and food. Hay, straw, oats and roots will be supplied on the grounds, at reasonable prices, and there will be a free supply of water.

20. All articles exposed for sale, shall have the prices affixed, and be sold by the owners, or by parties appointed by them for that purpose. No auctioneer will be allowed to sell animals or articles on the grounds, or in the building, without the written permission of the Chairman or Secretary of the Exhibition committee, and the time and place of sale, specified in such permission, must be strictly adhered to.

21. Articles and Animals sent for competition or exhibition, shall not be removed from the exhibition rooms or grounds till the time appointed, under forfeiture of any prizes or awards that may have been made to their respective exhibitors.

22. Any person who shall attempt to interfere with the judges while in the discharge of their duties, or who shall attempt to influence their decisions, by his presence or remarks, or who shall afterwards, within the limits of the show grounds, use any contemptuous or abusive language in consequence of any award made, shall forfeit his right to any premiums to which he might otherwise be entitled, and be otherwise dealt with as the committee may determine.

23. Any exhibitor who may feel aggrieved in consequence of any irregularity, is requested simply to draw the attention of the Committee of the Department, or of some member of the General Committee, to such, without entering into any discussion apt to cause hindrance or distraction. Should he not receive what he may consider sufficient redress on the spot, he must, nevertheless, abide by the decision given; but he may, at the close of the exhibition, bring the matter before the committee, by written statement, with a view to full enquiry.

24. No animal can be admitted within the enclosure that has not been previously entered, in accordance with regulations 6 and 7, and animals of an inferior character, unworthy of a place in the exhibition, will not be admitted under any circumstances.

25. Space will be provided for any article that may be forwarded for exhibition, subject to approval of committee, apart from such as are mentioned in the prize list. Awards of merit will be given for such, all of which exhibits must be entered on the Secretary's book, in the manner prescribed for those that come within the prize list.

26. Exhibitors must supply themselves with proper fastenings for safely securing the animals in their stalls. All bulls over nine months old must have nose-rings.

27. Arrangements will be made by the Railway to discharge live stock and other exhibits for Provincial exhibition at North Street Station. Exhibitors must be prepared to take them directly from the cars on arrival. The direct route from the Railway Station, is up North Street to Robie Street, thence south along Robie Street to the Exhibition grounds.

28. No person shall be permitted, under any circumstances, to compete for prizes, as an exhibitor, in the same class in which he acts as a judge, and any one so acting shall forfeit all awards that may be made to him at the exhibition.

Prize Lists, Entry Papers, and all information, may be obtained by personal application at the Exhibition office, Old Province Building, Halifax, or by letter or post-card addressed to "The Secretary, Provincial Exhibition, Halifax."

Entries of exhibits may be made personally at the Exhibition office, or by mailing the entry paper to the Secretary. In every case the entry paper must be properly filled up and signed, with name and address of the exhibitor.

The City Council have formed the following organization of Committees for carrying out the work of the Exhibition:

Chairman:—His Worship STEPHEN TOBIN, Mayor of Halifax.

HONORARY COMMITTEE.

Members of the Senate of Canada, resident in the City of Halifax; Members of the House of Commons for the County of Halifax; members of the Provincial Government; members of the Legislative Council residing in the County of Halifax; members of the Local Legislature for the County of Halifax.

GENERAL COMMITTEE.

Chairman.—His Worship Stephen Tobin, Mayor of Halifax; *Vice-Chairmen*.—David Matheson, Pictou and Alderman Taylor, Halifax.

Hon. Sir Wm. Young, Administrator of the Government; Alderman R. I. Hart, Alderman George Fraser, Alderman T. Clay, Alderman Charles J. Macdonald, Alderman William Murray, Alderman T. Trenaman, M.D., Alderman T. P. Connolly, Alderman J. Murphy, Alderman G. A. Sanford, Alderman F. O'Connor, Alderman Geo. L. Chipman, Alderman Thos. Walsh, M.D., Alderman J. M. DeWolfe, Alderman L. Houlett, Alderman W. Woodill, Alderman W. Taylor, Alderman W. Nisbet, Alderman D. McPherson, Professor Lawson, Dr. Farrell, J. A. Sinclair, Colonel Laurie, Hon. Senator Power, C. Willoughby Anderson, W. C. Silver, Colonel Blair, Onslow, Joseph Kaye, R. W. Starr, Cornwallis, M. J. Power, John F. Stairs, Peter Jack, William Esson, Colonel Starratt, Paradise, D. Matheson, Pictou, J. E. Chipman, A. K. McKinlay, Wm. Doull, J. F. Kenny, Charles Fenerty, Windsor Road, Herbert Harris, Peter Hogan.

EXECUTIVE COMMITTEE (NO. 1).

His Worship Mayor Tobin, *Chairman*; Alderman Fraser, Alderman Trenaman, Alderman Connolly, Alderman O'Connor, Alderman DeWolfe, Alderman Taylor, Hon. Senator Power, Colonel Laurie, A. K. Mackinlay, C. W. Anderson, M. J. Power; Peter Jack, *Treasurer*; Prof. George Lawson, *Secretary*; R. J. Wilson, *Assistant Secretary*.

SUB-COMMITTEES.

(2) *Committee on Finance.*—Peter Jack, Chairman; Wm. Doull, Alderman Taylor, Peter Hogan, Alderman Clay.

(3) *Committee on Advertising, Printing, and Tickets.*—A. K. Mackinlay, Chairman; Wm. Esson, M. J. Power, Alderman Fraser, Alderman Connolly.

(4) *Committee on Decorations and Ceremonies.*—Alderman McPherson, Chairman; Col. Laurio, Hon. Senator Power, Alderman Murray, Alderman Houlett, Herbert Harris.

(5) *Committee on Feeder and Refreshments.*—J. A. Sinclair, Chairman, C. W. Anderson, Alderman Chipman, Alderman Woodhill, J. E. Chipman.

(6) *Committee on Rail and Boat Arrangements.*—W. C. Silver, J. F. Kenny, Alderman Hart, Joseph Kaye, Alderman Nisbet.

(7) *Committee on Police and Bands.*—Alderman Trenaman, Chairman, Alderman McPherson, M. J. Power.

(8) *Committee on Lodging.*—Alderman Fraser, Chairman, Alderman Sanford, Alderman Walsh, Dr. Farrell, Joseph Kaye, Alderman Connolly, W. C. Silver.

(9) *Committee for Appointment of Judges.*—Hon. Senator Power, Chairman; Colonel Laurio, Alderman Taylor, J. F. Stairs, Alderman DeWolfe, A. K. Mackinlay, J. E. Chipman, M. J. Power, C. W. Anderson, H. Harris.

Committees on Internal Arrangements of Exhibition, viz.:

(10) *For Classes 1, 2, 3 and 4—Horses, Cattle, Sheep and Swine.*—Alderman Woodhill, Chairman; M. J. Power, Alderman O'Connor, James E. Chipman.

(11) *For Class 5—Poultry.*—A. K. Mackinlay, C. W. Anderson.

(12) *For Class 6—Roots and Vegetables.*—W. C. Silver, Joseph Kaye, Alderman Chipman, Alderman Murphy, J. A. Sinclair.

(13) *For Classes 7, 8 and 9—Grain and Field Seeds, Grain Manufactures, &c., Dairy Produce, Hemp, Woollen, Flax and Straw Goods.*—J. F. Kenny, Dr. Farrell, Alderman Hart, Wm. Esson, Joseph Kaye.

(14) *For Class 10—Agricultural Implements.*—J. E. Chipman, Alderman DeWolfe, Alderman Murray.

(15) *For Classes 11 and 12—Fruits, Ornamental Plants and Flowers.*—H. Harris, P. Jack, Wm. Esson, Alderman Trenaman, Alderman Murphy.

(16) *For Classes 13 to 18, inclusive—Economic Minerals, Manufactures in Wood, Carriage Manufactures, Naval Architecture, Manufactures in Metal and in Leather.*—Joseph Kaye, Chairman, Alderman McPherson, J. F. Stairs,

Alderman Murphy, J. E. Chipman, Alderman Sanford, Alderman DeWolfe.

(17) *For Classes 19, 20 and 21—Fisheries, Furs and Preserved Meats.*—Alderman Woodhill, Alderman Hart, Alderman Houlett, Wm. Doull, Wm. Esson.

(18) *For Classes 22 to 26, inclusive—Fine Arts, Ladies' Work, Natural History, Indian Work, Miscellaneous.*—Wm. Doull, Alderman Macdonald, Alderman Nisbet, Alderman Clay, Alderman O'Connor.

MR. LEANDER RAND, of Canning, imported from the Beet Sugar Company of Portland, Maine, for the Patrons of Husbandry, 200 lbs. of Sugar Beet Seed this season, which was all sown, in addition to what was imported by the Board of Agriculture, and what could be supplied by the seed stores. The Halifax seed stores were completely cleaned out of Sugar Beet early in the season. The Maine Beet Sugar Company are making enquiries, with a view to operations in this Province, and we trust our farmers will join heartily in the project.

MR. S. BEATTIE left Liverpool in April with 8 Horses, 12 Cattle, and 67 Shepp for Canada, on order, and some on speculation, including 8 head of Herefords from the Herd of Her Majesty at Windsor. Mr. Beattie is now at the Transit House, Union Stock Yards, Chicago, and will probably pay a visit to Halifax on his way home, in which case he may not come empty handed, as a few good running horses in the West have been placed at his disposal.

PROVINCIAL
Agricultural and Industrial
EXHIBITION.
HALIFAX, 1879.

THE Provincial Agricultural and Industrial Exhibition of Nova Scotia, will be held in the City of Halifax, by authority of the Provincial Legislature and under the auspices of the Central Board of Agriculture, under the immediate management and direction of Committees appointed by the Corporation of the City.

The Exhibition will commence on Monday, 29th September, and close on Friday, 3rd October. Live Stock must be entered on or before the 6th September; Manufactures, Implements and Produce, on or before the 20th September.

The Prize Lists and regulations are now ready, and may be obtained by sending post-card addressed to the "Secretary," Provincial Exhibition, Halifax, and by personal application as follows:

Exhibition Office, Province Building.
Alderman Fraser's, 76 Granville St.
C. & W. Anderson's, Barrington St.
Wm. Lowe's, Spring Garden Road.
James Finlay's, Pleasant St.
D. M. Story's, Brunswick St.
H. Harris's, Halifax Nursery.
The bookstores in the City.
L. Stern's, Dartmouth.

The Members of the Board of Agriculture, Presidents and Secretaries of Agricul. Societies.

By direction of the Committee,
GEORGE LAWSON, Secretary.

LUCYFIELD STOCK FARM.
Short Horn Durham Cattle,
AND AYRSHIRES.

A VERY fine Thorough-bred JERSEY BULL, three years old, for Sale.

Apply to PROFESSOR LAWSON, Halifax, or at Lucyfield Farm, within 2 miles of Beaver Bank Station, and 4½ miles from Bedford. deal

ELLESMERE BOARS
FOR SALE.

FOUR Thorough-bred Ellesmere Boars, raised from Stock imported from England. They are five months old, and will be sold together or singly, for \$20 each.

Societies requiring Boars should apply at once.
COLONEL LAURIE,
Oakfield, No. Halifax, }
October 27th, 1878. } Oakfield, }
novi

GROUND BONES! GROUND BONES!

A LENGTHENED experience in Europe and the United States has shown this to be the most valuable fertilizer for every crop.

During the past season THE PROPRIETOR OF THE WELLINGTON TANNERY has totally altered his machinery for preparing this valuable manure, and is now prepared to supply Agricultural Societies and the public generally with

FINE GROUND BONES

of a quality far superior to any that can be imported.

PRICE—Delivered at Wellington Station—

Fine Ground Bones . . . \$25.00 per ton

. \$5.00 per cwt.

The machinery being now in thorough working order, orders will receive prompt attention and despatch.

As the supply of BONES in this Province obtainable for grinding is yet very limited, customers are requested to send forward their orders as early as possible, in order to ensure obtaining a supply for this year's crop.

Address:
MANAGER, WELLINGTON TANNERY,
Oakfield, Halifax County.

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HILLSIDE STOCK FARM.
AYRSHIRES.

THE subscriber offers for sale two superior young AYRSHIRE BULLS, one year old, the get of "Bismarck." They are good size and handsome.

O. P. BLANCHARD,
Hillside Farm,
Janl Truro, N. S.

W. E. STARRATT,
MAPLE GROVE,
Paradise, Annapolis County.

BREEDER of thorough-bred AYRSHIRE CATTLE from imported Stock. Some extra young Bulls for sale.

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