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Published under direction of the Board of Agriculture of Nova Scotian

FOL. II.
HALIFAX, N. E., MAY, 18\%6.
No. 113.

Ten copies of this Journal ape sent, Pontage Preprid, to the Scoretary of every Akpiculturai Bocioty in the Profince, in prymeut of which a reduced charge of 94 is deducted mpually from each tom eiety's Grant. Secieties requiring their Copios midressed sopsrately to individmal Member will be charyeil efs. Awy greater mumber of Coples to ame midirens may mexamtained at the redinced mate or $\$ 40$ per hundired. Tho Ampunl fmbweription form alotic Copy is Firty Conts, payable atrictiy in advaree. The subucription year comamences with the Difarel number.

Halipay, Ist Miat, 1875.
In coomplinnce with the equest of a Correspondent, whose commun.cation wns published in the April namber, we shall now give a brief explanation of the natare and rode of the alion of Gypsum or Plaster, so far as these are known.

It is necessary tu premise that Mannres act beneficially in variuns ways, accurding tu their chumical and physical characters. (1) some directly supply furl to the plant, (2) sume act upon the suil so as to render availuble the plant ivul winch already exists in an insuluble and anavailable form; (3) sume act ia exactly the oppusite way, by fixing and preventing the waste of volatile or soluble matter that would, in their absonce, evapurato into the air and be wushed away in drainage; (4) some have the capacity of absurbing moisture from the air, and thus aid tine plant by supplying water in periuils of drought. Nurs, if the reader will turn up any Treatiss on Abricultural Chcmistry that may be within his reach, he will probably find that the beneficial effects of

Gypsum are attributed to one or two or all three of the first three modes of action, and, if the Treatise happens to be an American one, the fourth will possibly be referred to as the proper explanation. The fact is that Gypsum rill act beneficially on crops in different ways under different circumstances, and what we wish to explain hare is its probable action on the frelds of Nova Scotir fafais "Let us do so, for convenience, under the heads enumerated:-

1. Can this substance act benefically by supplying food directly to the plant? Yes, under certain circumstances, which are these:-In soils from which sulphur compouncis are ebsent, it will supply sulphur, but, as a rule, we have more sulphur compounds already in our suils thsn can possibly be beneficial th the crops grown. In soils that are de.cient in lime, it will also supply t'at ingredient, so neceasary for potatoes and other green crops, beans, \&c. It may be stated, as a rule, that in all districts in Nova Scutia where limestone rech does not crop out, the surface soil is deficient in lime, and that even soils overlying limestunc are liable to be deficient in it, (tha explana tion need not be entered upon here). Gypsum may therefore be expected to act beneficially on potatoes, \&ic., by yielding lime to their tissucs. Where ylaster is used, lime itself is unnecessary.
2. It is believed by sume chemists that although the action may be slow, yet the lime and sulphuric acid of which the gypsum consists may sct effectively in decomposing the silicates, of which clay and loamy soils largely consist, and tinus set fres silica, putash, alumina, \&c., in forms available for abworption by the plani In this way, then, plaster may
art upon loamy and clayey soils, and increase their fertility.
3. It is known that gypsum, by virtue of the sulphuric acid which it contains, has the power of fixing ammonia, one of the must valuable of fertilizers ; it proluably acts in the same way upn uree and similar organic compounds known or presumed to be sources of aitrogen to plants : hence the use of gypsum 0an stablis floors and as an ingredient in compost heapa It prevants volatilization; if the mode of its action is still matter of doubt $v$ ith some, the fact is nune the less certai', on that account.
4. Gypsum, in the state of "soft plaster" and unburnt or unvoiled, is sparingly soluble in watar, and absorbs moisture from the air even in the driest weather. For this reason, if not for others, it is extensively used in the Southern and Wes. arn States, Ontario, and other countries naving hot, arid, intra-concinental climates. It is applied tio the surface of the soil, thinly scattered over the field during the growing seasun, when excessive heat and drought are coming on, and the effects are generally cboerved by farmers as very marked. As the gypsum is on the surface, and the effects are noticed without any rains to wash it down to the roots, the only explanaticn that appears ieat ible is that it prevents evaporation, absoribs moisture from the air, and thus supplies the crop with water at a time when the excessive heat ciuses it to grow with great rapidity.

We have now furnished our Correspondent, and wthor readers, with materials from which a jadgment may be formed as to the probabiy efficacy of gypsum. We should not hesitate to apply it to potatoas particnlarly, either sprinkling it
over the drills after the first hamowing or hoeing, which is the Americal. method, or dusting it into the drills beforo cover ing the seen. We shonld likewise certainly expect beneficinl sesults from its application to grass lands, say in the month of May, especinlly if there is much clover, and the season should happen to bea dry one.

There are still a fow points that wo should perhaps specially notice, although involved in the preceling explanation, us we obsesve by ruferring to our Correspondent's communication that his onquiries ane particular regarding them:-

1. Tho Gypsum should bo ground mechanically into a fine powdor, not burnt nor boiled in any way. Boiled plister, if scattered on the soil, will harden into lumps on the first shower of min.
2. The common or "soft" plaster should bo used wherever the fertilizer is expected to act in aisorbing moisture.
3. Gypsum is almost always scattered on the surface, in countries where its use is best known.
4. The quantity per acse will depend upon the capacity of the workman. Cover as large a surface as you can with the smallost amount of plaster, leaving enough to be seex: ss a sprinkling all over the ficld; not less than a barrel per acre.
5. To loamy and chajoy soils it is beneficial in slowly increasing their fertility. To dry, hot, sandy soils it is beneficial immediatcly in keeping them moist; in the "atter case it must be kept on the surface, and applied on approach of the hot season.
6. It is not usual to mix plaster on a farm. Tho manure merchants mix it with superphosphates, and, being a cheap material, it is profituble to them; to the farmer it is useful in compost heaps.
7. One difficulty is, where is it to be got ? We have been told that there is a plaster mill somowhere about Windsor, but we could never find its exact position or orfner's name. If he will send his card, with price per barrel, we shall be glad to give a free insertion in our advertising columns.
8. What is the best way of distributing plastor? When a small area is to bo plastered, it may bo done by hand, like seed-sowing. It is a dirty job, and requires a suit of old clothes. When the area is large, the old method may be adopted of tulsing the plaster in a cart, the distributor standing with his bsek to to the lonse, and to the wind, scattering it by hand over the tail-board. Should the field be uneven, persons passing along will look round to see how often the plasterer scattors himsolf over the tailhoard, or suddenly sits down in the plaster, and rises up again like a miller. The propor method is to use a Plastor Machine, which is a simple modification
of the Horse Seed Sower; this scatters the plaster very evenly, taking a breadth of some ten feet, and moves over the gromind as fist as the honso can walk, the man having nothing to do but guide the horse from his sulky seat. In this way there is no spoiling of clothing or annoyance of any kind. As a farmer does not want to use a plaster machine more than one or two or three clays in the year, it would be a good arrungement for an $\Lambda_{g}$ ricultural Society to get a machine that would servo all its members.

As some of the statements we have made are at variance with what has been publishea by othars, we may mention that the actount of Plaster in Professor Johnston's great and valuable wark on Agricultumal Chemistry, is, with some exceptions, a tissue of mistakes.

Tue "Saffron Walden" of Halifix, will be found on the sunny side of South Street, where there is now in full bloom, during stensline, the finest display of brillinat blue and white and golden crocuses that has ever been seen in this city.

Mressrs. Caase, of Charch Strect, Cornwallis, have furnisbed the following particulars:-Noticing the weights of some cattle in the Aprii Joumal, we send you the weight of one $O x$, calved in Spring of 1870. He weighed on Ist July 1874, 1980 lbs.; Jancary 12, 1975, he weighed 2860 lbs ; March 17,2510 lus.; thus gaining 530 lts. in $8 \frac{1}{2}$ months. Also, a pair of Stcers, one year old, that wigh. ed, Janaary 12, 1875, one of them 810 lbs., the other 730 lbs. These cattle are St:ort Horn Durham Stock.

Mr. B. W. Kileays, ce Berwick, informs us that the Short Horn Bull aidvertised by him iest month has been parchased by the Mahone Bay Agricultural Socicty, County of Lumenburg.

Tar thirty-firs annual competition of the Scottist Pansy Society will take place in the Music Hall, Edinbargh, or 18th June-A Potato Exhibitiou is to be held in London in the autumn. The single prizes vary in amount from eight pounds sterling, $\$ 40$, to ten sinilings, \$2.50.-Mr. Hivd, an English florist at Naples, has been murdered; by order, it is believed, of the Secret Sociely of Market Gardeners there, because he was so successful a caltivator that he could undgrsell them.-The handredth Annual Exhibition of the Rogal Flora Society of Brassels is $t o$ be an International Exhibition of great magnitude, held from 26th April to 4th May ; there is likerrise to be a Botanico-Horticuitural Congress. This intelligence is received in England, as well as in the Netherland, with "cousternation and regret," Amsterdam having
priority from long provious notice.-The Loudon Hyacinth Show was helli it, the Westorn Arcade in March, and although the Hyacinths were not so good ne usual, the display of palms and folinge plants was very fine: fruit limited to grapes, apples and pears, which last were poor. The only vegetables appear to have been mushrooms and sorkale.-The Manchester Botanicai and Hocticultural Society's Show, held in the Tomn Hall on 16th March, is described as magnificent, the priucipal features heing orelhids, hyacinila, and cyclamens. Like the lady io Spen ser's Fä̈ry Queen, these beauties " made a sunshine in the shady place."-The Dundee Horticultural Society's Grand Floral Fere will be held in the High Scnool Grounds, Euclid Crescent. Durdee, on 26th, 27 th and 28th August. Prizes to the extent of one thousand pounds, $\$ 5000$, will be awarded for Plants and Flowers.-We commend to the notice of our enterprising horticulturists the " gtra Plant", Yucea longifolia, which is surely worth going to Westorn Texus for. It is an herb, with long sword like leaves, and grows to the height of twenty or twenty-five feet crowned with a pale sellow flower of "magnificent richness" and "of the dimensions of a flour barrel"" Two Texans, being in London, paid fifty cents each to see a wonderful "Century Plaut," and to their disgust found it was merely a miserable dwarf of their native Petra.

We reprint, from the "International Review," a paper by a German Chemist, under the title "Baron Licbig." It is really a conciso and most complete and accurate history of the Use of Chemical Manures. We had intended to publish the whole article this month, but our printer has had to stop, for want of space, at that period ic the history wheu Liebig's theory became enveloped in a clond of most hopeless gloom. Next mouth wo shall give the remainder,-the silverlining, the clearing away, the full blaze of sunshine.

Wire respect to the anticipated introduction of the Colorado beetlia into Englant, and the scare now in existence on that account, the Nova Scotia Journai of Agricullurc thinks that the fears are groundless. Our contemporary speaks positively that it knows of Colorado beosles having gone to England in produce, and yet they have not sucseeded in establishing themselves; and in Nora Scotia, a great potato growing country, with facilities for importing the insect in produce as freely as Germany or England, no Colorado beetle has ever been sean. This it ascribes to the coolness of the climate. The warmer and drier parts of Europe may suit the 10 -line beetle, but, our contemporary conjectures, England will not.-Canada Farmer.

Tute disappenrance of snow and ice suggests an maspection of gardens, and especially of trees and bushers, with a view to repairing lamage done during the willter. A sensmablo comumnication on l'runing will to foand in amother column, from a correspondent who remarks in a private letter aocompanying his comaunication :-"There appears le an ince easing interest ahout Fruit Growing in some Counties of the Province, and much valuable informaticu miphit be sent abroud by meaus of the Jorrual of Agriculture." We are most anxious to seur abroad throughent the whole Province all the valuable information we can, and the comannication of E. C. :ill, we hope, show our young farmers how auch more valuable the information is that is fursished by themselves, knowing, as they do, our soils and climate and circumstances. ihan unything that can possibly be ohtained frona writars, however learned and experienced they may be, who know only the peculiarities ami wants of other countries and other climes. We hope that E. C. will coutinue his comuanications, and extemd them to other branches of a subject with which he is obvionsly oo funiliar, and it is not unreasonable to hope that ohers will give us the opporiunity to present our readers with the resnlts of their observations and experiments.

It is a good sign to see the newspapers of a country devoting some portion of their space to the discussion of agricultural improveracuts. It shows that there is a demand for agricultural information, and that agricalturists in general are moving in the direction of enquiry. Ten years ago an agriculiural article in a Nova Scotian newspaper was a rarity, and the circumstance we thonght a remarkable one, especially when we reffected upon the wide-spread interest in agricultural subjects that had been excited at a former time by the classical letters of Agricola, in which the soundest practical visdon was couched in the roost chaste aur elegant language. It was possible, indsed, that the hopelessness of successfully imitating Agricola had had some effect in bringing about the subsequent dearth in Agricultural literature. Hut a change has taken place, and now an agricultura: article or communication seems to be guite at home in a newspaper. Within the last few months we have been tempted to quote several such from the Trito Suns the North Sydney Ferald, and the Amherst Gazette, not to speats of the city papers, the encrgy of which in reporting the Provinctal Ascicultural Exhibition of 1874 was beyoud all praise. We have been led into these remarks by the publication of a letter in the Christion dfessenger, addressed by "A Friend of the Farmer" to the "Farmers of Nova

Scotin," which we take the liberty to transfer to oar columns, believing that its suggestions may be profitable to some of our readers:-

By permission of the Editor of the Christian Alessen!er, who, lhave observel, exhibits much yenl in promoting your interests, by publishing weekly a very cluice and valuable selection of itens gleaned clsewhere, I propose to offer a few suggestions intembed to bencfit you equecially as a claws, and indirectly our common country.

In earlier life, I was trained to agricultural pursuits. My father was a farmer, anda goorl dent mone. But he was an firmer, anid stood at the bead of his profession, for such I trent it, and was looked up to as a skifful practiral tiller of the ground by all who knew him. His alvice was often songht, and cleeerfully given to all who had applied, for his farm and lields were the envy and admaration of all who visited the neighbourhootl.

His example and influence, it is not too muth to say, changed the face and complexion of a large portion of the country side where he dwelt, and that all within a very fer years. Dyke lands, sunken and sour, were ilrainel, ploughed. and cropped, nad the finest wheat the climite was ever known to produce, rewarded lis labor and skill. Fron two, to two liundred and finy bushels of clean yellow wheat, 60 lhs to the bushel, I have known him reap in a single seayon.

Tlue will beather, with its blue blosoms, he plucked up acre after acre, and converted these wild sheepwalks into wealth producing grain fields and meadows. So much for a revered parent, now no more. A successful practical farmer however.

We had no mowing machines, no mking machines, no pitching machines, no thrashing machines it was all mannal labour of the simplest, hardest kind. The seythe, the sickle, the spade, the flail and the plough were our acriculturn instruments; and by the streat of the brow early and late, we toiled, a large frmily of us, and the earth in return responded bountifully.

Arriving at manhood, I left for other pur suits, but not untii $\bar{i}$ was master of the Art. I, though I say it, can and could trace a furrow, with any of the ploughmen of the villageI could chop, could mov, reap, and perform every kind of labour required on a farm. I an therefore no mere amateur farmer. From one to two hundred tons of hay were no upasual crop to make and cure and house But.my ambition took another turn, and I aspired to other punsuits, whether saccessfally or unsuccessfully, wisely or not, is another matter.

Recently my present arocation has given me an opportunity of visiting many of the country portions of the Province, indecd I might say tho whole of it-and perbaps owing to the early training I had, 1 have alwaya taken a decided inferest in the success of farmers I make it a practice, whenever opportunity offers, to inquire into the success they are taving, and their prospects.

But there is one subject, and after so long a preface to it, to which I invice particular attention. There is one subjech upon which 1 have for the last the years found the beut class of farmers in all parts of the Province bearing uniform testimony; and it is this:They say, the wheat crcps have become as, safe and certain again as cver they were in former times. That the weevil or fly, or
whatever the destructive insect is, that committed such havee has disappeared, and many of the best of thent are preparing tolay down larger fiellds this coming seasoa jor toheat.

Every one of us knows what an enormous amount of tnoney leaves the country anmually for flur. And how the firmer is put to it, to pay for his bread, and largely, because for yeats part he could not, and he is still under the impression that he cannot, raise it. But it appears to be a mistake. I know and can name quite a number of farmers in different parts of Nova Scotia who last sullmer raised all their bread mund have wheat to spare.
Winter wheat too, is proving a success in many localities and is sikely to come into medh larger use than heretefore. Bul farmers every one of you, put in a few bashels of whent this spring. Give it a frir trial. Sce if you can't raise your own bread and save the enormons drainage of gold required to pay for it. Times are going to he hart. Moncy is very scarce and interest high. If it indeed be the case that the wheat producing quilities of the ccuntry are now, what they wereforty years ago, and the measures for raising it, are prosecutel, Nova Scotia will presently become the first Province in this Confederation. Fish, hay, beef, pork, oats, lumber, timber, cordwond, coal, frecstone,oierything necessary to secure prosperity alrealy abounds. Try faımers and give us our Whent-liour for 18:5-6 and we shall say" It is enough." Ours is the best Province in the group. Get grood seed. Wash it cleanlime it freely. Sow early, having selectet the drier and the newer portions of your farms, well drained, and where the silex rejuircu for gool healthy straw alounds.

Suppose the inmmers can only brend the country poitions, leaving tile city to buy from abroal, what a relief rur finances would experience!
Fifleen from one, was no unusual return last year, and trent! bushals from the sowing of one. I know in several instances were secured.

Ontario itself docs not beat that. But if every farmer will only determine to pui one or two acres or more, under wheat, some hundreds of thousands of dollars, may I not say, would remain in the country next season, Which will otherwise inevitably go abroad. Shipping is depresser, and exchange from abroad as many know, is all int dried up for the present. Cease ship-building for a little, goorl folk, and cultivate your broad neres frecly, and thus lread your own families at least.

Taf following appears as a communication from MIr. N. W. Blackmore, North River, Ons'on, ia a recent issue of the Truro Sun:-
I notice in a late number of the Sus an editorial on the proposed Exlubition Building, and in it some verg striking remarks showing the importance of Agriculture nad the bearing it has upon business of very kind. But, on noticing the doings of many of our farmers, especially in the back parts of our county, one is led to suppose that farming is considered by them as a merc irksome tank, to be harried through and got oper in some kind of a way, without much regard to besuty or profit.
lumbering seems to be the pet job of too imany of our farmers, much to the hindranco of successfal farming in rearly evory case. How many of these farmer lumbermen hurry
to the woods at the earliest possible chance, for the purpose of wringing money out of some branch of tho lumber trade? nt the wame time leaving a valumble stock of cattle to bo poorly attemled by children, or some inferior hand, forgeting that the loss consequent upon sueh poor attention is in a large majority of cases mucir more than the profity derived from the lumbe: trade.

One of the secrets of succasful farming is to prevent waste: wate of food material; waste of implements; waste of manure, ete. 'To prevent this waste it is very necersary that farm and farm stock be attended by some steady and regular hand. Many seem to think that the winter is a workless time for the farmer, and turn to lumbering, peddling, and such like, to make money as they termit, forgetting that their profits should not come in ns the price of logs, ship timber or lumbermen's wages, but as the proceeds of Easter Beeves and fat Porkers. The farmer who spends his winter days nttending his stock and preparing for spring work will find himself able to meet such work and perform his spring operation in a thorough manner, whilu the farmer-lumberer, will find nothug ready, and the spring is halt over before the most necessary operations have well begun.

The sooner the farmers of Colchester make themselves believe that farming can be made profitable, the better for the success of the businces, as the fuithless farmer, like the faithless follower of anything clse, will be sure to fail.

At the present time when wheat culture is exciting interest among seme of our farmers, the following communication to the Canada Farmer, from Erin, Ont, masy be read with advantage:

At the present time, when farmers devote a good deal of anxious consideration to the question of "What can we grow with the greatest amount of profit?" and, as hitherto, spring wheat has been a leading cereal, and must still continue to be extensively cultivated, 1 append a few ideas in reference to our experience in this locality. We have tried several varieties of spring whest in this township, and each variety has its admirers, owing to the different soils, so that where one kind of wheat might flourish another might entirely fuil.

The Ohig is cousidered about the best variety, and on high and dry land gives perhaps the best jield of any, but, when sown on lnw or damp soil, it is very liable to be injurec by rust or blight. It delights in a rich me:llow soil.

The Fyfer ranks next in order, and, for general cuitivation is safer than any other. It yjelds well, and is generally preferred by millers. The straw is stiff and does not rust.

The Red Chatf seems to be gaining friends, and, with the same cultivation, gives the hest yield. The grain is coarser than either the Ohio or Fyfe, but it seems to improve every year, so that, in a year or two, it may be equal to the oihers. The straw is not as stiff as that of the

Fyfe, buy it stands well, and does not rust, aud is well suited to low or swampy lanl. But in a fer years it may lose its produrtiveness, so that by the time it is acelimeted wo may want another change, which brings the suggestion that it is the land thai is run out and not the wheat.

If we were to return to the soil what is required to produce wheat, we would not need tr change our seed so often; and where turnips are raised to a considerable extent (unless artificial fertilizers are used), it is impossible to raise a first-class crop of wheat. We waut more and better manure ; to raise more clover and not sell it ; cleaner cultivation aud mixed farming -not, when one crop is higi, discurd all others for that one. Wheat is low at present, too low to pay the expenses of production. Still it will uot pay to give it up.

Instead of going to extremes, we should sow only where we are sure the soil is in proper order for an extra crop. Get it in in the best possible manner, and raise a part of everything that the land will produce to advautage. We shall then have more time to attend to them properly, will be less affected by rise or fall, and, by a proper rotation, keep up the fortility of the soil.

Throvar the kindness of an old acquaintance, J. H. Kreelage, Chairman of the General Association for the Cultivation of Bulbs at Haarlem, we have received "Bulletin No. 1" of the International Horticultural Exhibition, which is being held this month (April) at Amsterdam. It may bs usefnl to quote some of its paragraphs:
"Since the first Internationai Horticultural Exhibition in Netheriand, held in 1865 in the Palace of Industry at Amsterdam, with the co-operation of many Horticultural Societies of the Country,-ordinary Horticultaral Exhibitions and Flomershows bave been held almost annually in the same building, by the managers of that establishment. Thuse Exhibitions have been largely patronized both by Botanists and Horticulturists, and by the public in general. Stimulated by such marks of encouragement, the said Boarm was desirous of adapting these Exhibitions to the increasing requirements of suci Horticultural displays, resulting from the great improvements going on in the Department of Horticulture.
"For this purpose, the above mentioned Board sent invitations, in the month of November, 1872 , to various generally acknowledged specialists to form a Commission, which should taike uyon itself the conduct of the ordinary Horticultural Exhibitions, in order thereby to invest them with the groat significance which they are capable of recciving, and especially-if it were deened feasible and expedient-to call into being a Grand International Exhibition. Saving a few exceptions, all the gentlemen appealed to accepted appointments as Mombers of this Commission, so that by the latter ead of 1872 it was constituted."

The List begins wilh Jonkheor Mr. C. J. A. den Tex, Burgomaster of Amsterdam. Elonorary President, whose mame is followed by the Dutch names and tities of thirty-four other gentlemen, who are distinguished no doubt in their parious dopartmrnts, hut die spellings are so odd that it would make ou. 5 compositor's head swim if he were to try to set them up.
"No sooner was this $c^{\circ}-$ anission met than the question was propounded, whether the period had arrived for repepting the experiment of holding an Interns anal Exhibition. This tho Commission opined to be the case, and in orier to secure the countenance and co-operation of the talent and learning in the Kingdom, the Commission passed a resolutionv that before entering upon any details in connection with the purposed International Exhibition, all the Horticultural Societics, cte., of this country should be invited to appoint Delegates, who should attend their meetings and assist in repulating the whole afiair; the Commission being of opinion that this is the only way in which the intended Exhibition can assume a universal character-an indispensable requisite for attaining the desired success."

To this invitation, "which was received with the utnost complaisance," twentyoue corporations sent in their assent, including Societies Agricultural, Industrial, Cattle Breeding, Botanical, Zoclogical, Bulb-Growing, Pomological, Entomological, Academic, and some with titles so thoroughly Dutch that we don't knows, with any very great exactness, what they mean.

The Commission tor the International Exhibition held its first meeting on the 17th of June, 1873, the Birthday of H. M. the Queen of the Netherlard. As a mark of linmage. a Telegram was dispatched to Her Majesty, stating that the Commission was constituted on that auspicious day, which intelligence was received with graciuas interest by Her Majesty. [This method of celebratung great days is an inaprovement upon the fire cracker practice.]

The subsequent lepoors of the Commission were limited to the appointment of an Organizing $C$ amittee of seven members. consisting ot Messrs. Jhr. Mr. W. M. de Bravw, C. Glijm; J. H. Kreela je, Prof. Dr. C. A.J. A. Oddemans, C. J. van dre Oudermedlfen, $D^{-}$ G. F. Westeryan and H. Groeneq.GRN, charged with the framing of a general plan. This Committee elected as Chairman, Jhr. Mir. de Brauw, and as Secretary, Mr. Groenewfigen. In the course of their labours, after having attended o:e of the meetings, Mr. DE Bratew war lost to them by death. In his stead Mr. Kreelage was elected Chairman.

Since then, for various reasons, the following gentlemen have seceded from the General Commission, viz., Mfessrs. C. W. A. van Rinsum, Jhr. Dr. J. P. Six and J. Hora adema.

On a motion of tho Organizing Cons. mittee in the merting of 17 h March, 1874, the Eollowing resolutions were passed by the Commission and Delegates of the union:
4. That the Exhibition be lech in the spring of 1876, nbout sho month of April, on a much vaster sealo than was taken as the basis for the previous Exhibition in 1865.
2 That besides the usual horticultural proluctions aml appliancea, an exhibition of Colonial vegetables be added, which would greally enhatice the importance of the Display, especinlly to foreigners.
3. For the adequate realization of this iden, to call in the energotic nid of Government to bring together such a collection, and to endeavour to gain the assistance of scientific men, to secure for the collection the intended completeness and inportance.
4. To invite forcign Governments to send in, on their own account, similar collections from their respective colonies.
5. To arrange the Display in such a manner as, by combinitig the Floras of varinte countries, to offer us clear a view as poesible of the vegetation of the whole globe.
6. To give, as accurately as possible, of full survey of the species of plants, and of the varipties proceeding therefrora, as also the modifications to be observed in these variecies, in order to illustrate the progress of Horticulture.
7. To hold ${ }^{a}$ Congres simultaneously rith the Exlubition.
8. Moreover the relations were determined between the Exhibition-Commission and the Palace of Industry Company.
9. The Financial concerns were regulated, and
10. A provisional plan wrs projected for erecting extensive supplementary buildings to the Palace of Industry, and for preparing the adjacent grounds.

The DIanaging Committee was further charged with mil the necessary preliminaries for the Exhibitiou, especially with the drawing up of a Provisional Programme or Prospectus, and also with the care of issuing Bulletins in the Dutch, French, German and English languages, and distributing the same as widely as possible, in order to give the greatest possible publicity to the cause of the ExLibition.

It has been further detarmined, that the articles to be exhibited shall be distributed under the following Heads, not exceeding ten in number, comprising: Cotton, Madder, Indigo, Gutta-Percha and India Rubber (Caoutchouc), Aetherial Oils, Fatty Oils and Fats, Material for Yaper Manufactures, Dutch Cereals, Tobacco and Peruvian-bark.

The Committee opines that the limited number of these articles will conduce to the completeness and perfection of the Display; while not ouly a number of sorts, probabig from various regions, might be required, but that, moreover, the sending of plants of the objects, as also of drawings, tools or implements, books, eic., relating to i'ie articles displayed, might be insister on.

Is this way a collection may be
brought tngether woll worthy the attention of piofiessional men, olfering an opporturity of axchanging opinions and dif-fu-ing the rasults of their debatns.

Besides the Exhibition of such chicfarticlos, secomiary ones might be matided such as: Vegetable wax, Cachou. Sarsaparilla, Resins, Copal, Vanilla, Grass-plaiting, (Marrum Grasses), etc., which, thoush of minor impurtance, might be made of considerable interest.

The New Churn.-Our readers will remembor the flattering references which we were enabled to make last fall in reference to the United Canada Churn. We are pleased to learn that the number sold in this section of the country has given univcrsal satisfuction, and that the pronrietors are now ongaged in manufacturing several thousand, for sale in the maritime provinces. The factory of Messrs. Christio Bro's. of this place is now engaged almost entirely is their manufacture and they will shortly be put icto the market. The testimonials as to the qualities of this churn are such as to satisfy all of their superiority, and we have no donbt that the sales during the coming season will be very large. Agents will visit the various parts of the provinces shortly, to take orders.-Amherst Gazette.

ANNUAL REPORT OF THE CENTRAI BOARD OF AGRICULTURE, FOR THE YEAK 1874.

## Halifax, 6th April, 1875.

To the Fion. P. Carteret Hill, Provincial Secrelary.

## Sir,-

The Central Board of Agricnltare have the honor to submit, for the information of the Government and the Legislature, the Annual Report of their operations for the past year, together with the accounts of income and expenditure, and relative vouchers.

The County and District Agricultural Societies in active operation, and qualified to participate in the Legislative Grant for the year 1874, were 64 in number; paying members 3971 ; tota! amount of subscriptiohs actually paid (as shown by the attested Returns), S4495.n0; total amount of Grants in aid $\$ 5830.00$. These numbers of Societies and Members sund the amount of subscriptions are larger than in any former year, and, although there is still very much ronm for improvement, yet an examination of the Reports of societies shows that the agricultural organization is now upon the whole, in a more efficient state than it has ever been before. Since the Returns were made up, at the end of Btarch, addational socicties have been formed, or ane in course of formatiou, in the Counties of Cumberland, Col-
chester, Lunenburg and Halifux, amil recent correspondance with unrepresented districts in other counties indicates that the increass is iikely to contimue. This state of things is matter of great satisfaction to the Board, as they feel that the success of their efforts to introduce and encourago improved stock, and more profitable modes of culture, must necessarily depend to a largo extent upon the successful working of the local and district societies.

Sinco the organization of the Board in the year 1864, there has been a steady increase in the number and strength of Agricultural Societies, with the exception of an apparent check in the years $1868-9$ and 70, which arose from circumstances that the Board could not be expected to control. The statistical history of our Agricultural Societies is shown in the following statement:-


The number and strongth of societies in each County of the Province at the close of 1874, are shown in the following tabular statement, which embraces only those societies whose returns were duly attested before the apportionment of the Legislative Grant for the year 1874:-

\begin{tabular}{|c|c|c|c|c|c|}
\hline cousties. \&  \&  \& 으을 \&  \&  <br>
\hline Annapolis \& \multirow[t]{2}{*}{3} \& 302 \& 8302001 \& \multirow[t]{2}{*}{2400
400

000} \& \multirow[t]{2}{*}{$$
\begin{aligned}
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\hline Antigonish. \& \& 169 \& 24900 \& \& <br>
\hline Cape Breton \& 3 \& 155 \& 13500 \& 31000 \& 7800 <br>
\hline Colchester \& 0 \& 647 \& 45000 \& 40000 \& 18396 <br>
\hline Cumberiand \& 3 \& sus \& 599760 \& 40000 \& 13905 <br>
\hline Disby. \& 4 \& 302 \& 31700 \& 40000 \& 4500 <br>
\hline Gryshorcugh \& 3 \& 133 \& 15350 \& 30600 \& 4980 <br>
\hline Hallimx \& 3 \& 229 \& 25050 \& 40000 \& 25000 <br>
\hline Hants.. \& 7 \& 353 \& \%30 00 \& 10000 \& 16000 <br>
\hline Inverness. \& 9 \& 80 \& 8000 \& 16000 \& 3300 <br>
\hline King's .... \& 5 \& $3: 9$ \& 44300 \& 40900 \& 13600 <br>
\hline Lunenbur \& 1 \& 63 \& 6300 \& 13200 \& $2^{\circ} 00$ <br>
\hline Plctou \& 5 \& 278 \& 38950 \& 40000 \& 6500 <br>
\hline Qucen's. \& 3 \& 128 \& 134 on \& 20800 \& 7000 <br>
\hline Shelburn \& 4 \& 27 \& $\because 07$ \& 40000 \& 5500 <br>
\hline Victoria \& \& 120 \& 12900 \& 25800 \& 6000 <br>
\hline Yarmouth \& 2 \& 233 \& 33300 \& 30300 \& 6500 <br>
\hline Totals. \& G \& 3971 \& 1095 \& \$3830 \& 1600 31 <br>
\hline
\end{tabular}

In accordance with the arrangements detailed iu last year's Annual Report of the Board, a Irovincial Agricultural Exhibition was held in Halifax, during the first week of Otober, 1874. The Exhibition was largely attended by farmers and others from nearly all parts of the Province, the conpetition in Live Stock and in Fruit wos lorger than was anticipated, and, although the untoward season caused a marked deficiency in Roots and Vegetables, yat the Exhibition was generally regarded as, upon the whole, a decided success.

Tho Drill Shed in Spring Garden Kond, and General's and Governor's Piodis in reat, brad been granted respectively hy the I Ion. Ministir of Militia, Ilis lixcellemey the licut. General and Ilis IIono: the Lieut. Guveruor, for use during the Exhitition. Convenient buildings for the shelter of the horses, cattle, sheep and pigs were evecterl by the Board in the Governor's and General's fields, poultry pens in the Drill Xural, and the requisite fittings in the Drill Inuifding for the effective display of the grnin and tield sceds, dairy protuce, woollen manufactures, roots and vegutables, agricaltural implements, fruits, and ormamental plants and fowers.

The Catile Sheds and Drill Building were ready for Exhibitors to commence their work of arrangement on Munday morning, 5th Octoler. The pabiic opening of the Exhibition to spectators took place on Tuesday the 6th, when on invitation of Sir Vílliam Young, on behalf of the Board, the Opening Aldress was delivered by His Honor Lieut. Governor Arehibald. The grounds and buildings sicre kept open during the following Werlnesday, Thursday and Friday, and were visited by npwards of eighteen thonsand persons. The perfect decormm of this vast assemblage, both in the grounds and throughout che city, was the subject of general remark, and lestanerl much the anxiety and labour of those who were charged with carrying ont the arrangeanits. The Exhibution was finally closed on Friday afternoon, $9 \mathrm{th}_{1}$ October, on which occasion His Honor Lient. Governor Tilloy, of New Brunswick, delivered is Closing Address.

To enumerate the names of those who gratuitously rendered signal service in the course of the Exhibition arrangements, would extend this Report beyoud its proper limits ; but the Board feel that public mention should be made of the fact that. of the hundreds of official and private persons, both in the city aud throughout the varions counties, who were anplied to, to act in various official capacities or otherwise reuder assistance, every one who could do so readily and cheertully complied with the refuests of the Board, and all cordially united in promoting the success of the undertaking.

The financia? results of the Exhibition were satisfactory. Originally the Legislature had voted $\$ 4000$ as a prize fund, in the belief that the entry fees of spectators would cover all the other expenses. But when the Board proceeded, in 1873, to draw up a Prize List, they found that a satisfactory Prize List could not be framed without exceeding that sum. They were accordingly authorized by the Govcrnment to extend the Prize List as far as they thought could be safely done, so as to keep the ultimate deficiency down to $\$ 2000.00$. The Board accordingly,
after careful calculatic:, offered prizes, which, with subsequent supplemente, ultimately extembed to a sum total of upwarts of 87000.010 . Tho offering of this appparemty large sum was based opon at calculation that, as in the anse of the Exhibition of 1868 , at least ten per cent. of the prizes offered would not be armarded, The sum actually paid for prizes, as shown by the accounts herewith submitted, mmounts to $\$ 5736.50$; this does not inc ude some fyw unclaimed prizes aind others that were not finally aljusted until the recent annna! meeting of the Board, which are, lonvever, guite trifing in nawount. The erection of cattle slteds in the Governor's field, work in the Drill Shed, \&c., cost $\$ 2110.91$. All other expenses, irclading the preparntory expenditure of printing and circulating Prize List, \&c., during 1873, amounted to \$2920.99. These oxpenses, together with prizes, amounting to $\$ 10,7$ نi8.40, are met from the following sources, viz.: 1. Legislative graut of $\$ 4000.00 ; 2$. Subscriptions by Arricultural Societies $\$ 1609.41$; 3. Prize Fund for Plants and Flowers raised by Iforticulturists of Halifax $\$ 348.00$; 4. Fruit Growers' Associations $\$ 200.00$; 5. Mr. Fraser's contribution for Condiment Prizes $\$ 100$; 6. Amouat collected at gate for admission of spectators $\$ 5536.50 ; 7$. Proceeds of sales of Fruit \$66.08. Total \$9850.90. The total amonat of deficiency to be made up by the Govornment, instend of being $\$ 2000.00$ as was estimated, amounts to only $\$ 908.41$.

The Board, after very careful consideration at successive mettings, have resolved to make the following recommendations to the Hon. the House of Assembly:-

1. In view of the general demand, all over the Province, for an Importation of thorough-bred stock, viz.: Horses, Cattle, Sheep and Pigs, of a higher character than any proviously imported, it is recommended that the Beard be authorised to make ani importation during the coming season; that for this purpose they be authorised, as formerly, to use the Stork Fuad of $\$ 8000.00$ (originally granted towards the establishment of a Stock Farm) for the purchase of animals, on the condition that the proceeds of sales shall be used to replace the Stock Fund to its original amount, and that any contingent loss be met by a Iregislative Grant not to exceed $\$ 5000.00$,-only such portion of the grant to be drawn as shall be necessary to cover the actua! loss on the importation and sale, and expenses connected therewith.
2. That in addition to the sum annually voted for agricultural purposes, a further sum of $\$ 4000.00$ be aunanilly given as a Prize Fund for a Provincial Agricultural and Indastrial Exhibition, to be held muler direction of the Government and

3\}ard of Agriculture in may Comity, selected by tho Board, in whicla an Agricultural Gociety, or cther responsiblebody, shall be prepared to furnish suitable Exhibition grounds and bsiddings, and shall be willing to umbertake the neassary expense attending the mangement of such Exhibition,--the managers to collect a small entrance fee from visitors, and from each exhibitor, to go towards defraying the general expenses. That the first Amman Exhibstion be held in the autuma of 1875.
3. 'That a further sum of $\$ 600.00$ be voted to enable the Board to offer a bonus, for one year only, to encourage the erection of a luone Mill by parties villing to mudertake to supply farmers with Bone Dust at reasouable rates, in accomance with arrangements entered into during the last Session.
4. 'That as soon as the Legislature shall think it expedient, an aunual sum of $\$ 400.00$ be voted to furnish prizes for the best managed furms in each of the six districts into which the Prorince is divided tor the purposes of the Agricultural Act.
5. The following Resolution was passed by the Board on 21st October, 1874:"Feeling very sensible that the present salary of the Secretary is not at all commensurate with the work to be performed, which work has largely inereased since the amount of salary was fixed, and, considicring the heavy financial responsibility now rituched to the oflice, and the very valuable assistance rendered to Agriculture by the present incambent, Professor Lawson,-the Board respectfully, but most strongly, recommend to the Government that the salary of the Secretary be now raised to $\$ 1200$, to commence from 1st January, 1875." The increased salary can still be paid out of the ordinary Iegishative grant to the Buard, as the other working expenses of the Board have been considerably reduced by the last amendment to the Agricultural Act. The increase of the Secretary's salary will not, therefore, require any increasa on the Lemistative grant, but merely a change in the Act, which at present limits the salary to $\$ 600$.
6. Some ycars ago the Bcart established a minthiy Agricultural Journal, for the publication of the Reports of County and District Sn.i.ties, and for the diffusion of useful information in regard to improved modes of culture and stock raisiug. The Reports of Societies have latterly increased to such an extent that it hes not been found practicable 10 give more than brief extracts of many of them in the Journal, and, even with this reduce on, and the occasional issue of double numbers, the ordinary reading matter of the Journal has been very much cartailed. The Board propose that, in future, the Journal be used only for the publicatiou
of articles on subjects of practical and scientife ngriculture, alapted to the wants of the Province; that the Reports of Societies be added as an Appendix to the Annual Report of the Board; aud that the whole be printed in pamphlet form in time for the meeting of the Legishative Assembly. It is believed that such a Report, carofully propared, would present to the Members of the Legislature a representation of the actual condition and working of the Agricultural organization thronghout the various Connties of the Province that could not fail to prove of interest and use. It is hoped, therefore, that the proposal will meet with the approval of tha Legislature, and that the Government wiil authorise the necessary printing, as in the case of Departmental Puports.
By order of the Central Board of Agriculture,

> J. Wimburn Laurie, President,
> George Lawson, Secreary.

Trie finest oxen wo know of in this county are a pair owned by Mr. W. L. Pipes, Nappau. They are six years old, veity finely formed ana evenily mated, girth eight feet, and weighed, at the middle of March, 9930 lhs .-the larger one 2040 lbs.-Amhlerst Gazelte.

A BILL ENTITLED AN ACT FOR REF VISING AND CONSOLIDATINGTHE general statutes of nova SCOTIA.

CIIALTER " of thr encouragement of AGRICULTUHE."

1. The Governor in Council shall annually appoint a Central Board of Agriculture, consisting of seven persons, of whom one shall be selected from among the Members of the Executive Government of the Province, and the remaining six shall be selected from the six districts inentioned in Schedule B., in the manner hereinurter provided. Five of such Board shall be a quorum, and they sball be a body corporate under the name of the Central Board of Agriculture.
2. It shall be the duty of the Officers of every Agricultural Socieiy, inmediately after their election at the Annual Meeting in December, to nominate a person suitable for appointment to the Central Board, and the Secretary of every Society shall ferthwith transmit to the Secretary of the Central Board the name and address of the person so nominated.
3. The Governor in Council shall select six from among the persons so nominated to be Members of the Central Board, one being chosen from each of the districts specified in Schedule B., and the preference being given, for each district, to the person nominated by the greatest number of Societies. In case of an equality of votes for any number of the persons so nominated for any district, the Governor in Council shall determine who of the number shall be the memler.
4. In case the Offisers of the Agricultural

Societies fir nuy district whall neglect or refuse to nominate any person for appointment to the Central Board, or if the Secretarics of the Socictics shall transmit no such mane and adiliess, the Governor in Council slanll ap point a member of such Central Board for such district.
6. All members of the Board shall retire ammanlly on the thirty-first diay of fanuary, but shall be eligible for re-appointment.
6. When vacancies oceur in the loard from other causes than the numal retirement of Members on the thirty-first day of January, the Governor in Council may at once appoint now members without refurence to nominations by Societics.
7. The tirst meeting of the Board shall be held at such time and place as the Governor in Council sball direct, when they shall elect a President, Vice-President, Secretary and Treasurcr.
8. There shall be held in each year at least one general meeting of the Board, which will take place at Halifax, in the month of March, during the sitting of the Legislature, and of which at least ten days notice shall be given. Special neetings may be called by the Secretary, at the instance of the President, or $t$, on the written request of three menbers, and may be held at such times ard plates as the President or such three members shall determine.
9. The Board shall not pay or aliow any sum to a member thereof, for acting as such member, except the amount of his actual hotel expenses, and necessary travolling exponses, in attending such meetings, which shall not in any case exceed six cents a milo for the distance actually travelled in going to and returning from 3uch meetings.
10. It shall be the duty of the Board, -
(I.) To take measures for the formation of County or District Socteties, and for infusing new vigour and efliciency into those already in existence.
(II.) To receive the accounts and reports of such socioties, and, before granting the certificates hercinafter mentioned to entitle them to particinate in the Provincial grant, to see that they have complied with the provisions of this chapter.
(III.) To publish a monthly journal for the diffusion of agricultural and horticultural information adapted to the condition and circumstances of the country, and to cause the same to be distributed as generally as possibuc.
(IV). To take mersures to obtain from other countries animals of new or improved breeds, new varieties of grains, seeds, vegetables, for general snd equitable distribution throughout the scveral counties, and to adopt every measure in their power generally to promots improvement in the agriculture and ho:ticulture of the Province.
(V.) To hold.every third year, or oftener, if the Board sho ld deem it alvisable, in some central and suitable locality, a general provincial exhibition of agricultural and horticultural products, animals and domestic manufactures, and to fix the time, articles of coripetition, and list of prizes to be awarded, and the regulations under which such exhibitions shall be held, of which due notice shall be given at least tweive months belore the same shall take place ; and, in holding the same, due regard shall be had to the just claims of the several counties.
11. The Board may at any time appoint a person to inspect the books and accounts of
nuy Suciety in the Provinco receiving Govermment nid in connection with ngriculture, anil all oficers of every sucla Society, whenever required to do so, shall submit its books anid nccourts to such inspection, omil truly to the best of their knowledge answer all prese tions put to them in relation thereto, or to the finmis of the society.
12. For the purposes of this Act the Board alall be entitled to drav from the Provincial Treasury annmally such sum not exceeding eight thgusnad dollars, as the Governor anil Council may nuthorize, out of which they may expend a sum not exceeding six hundred dollars for the salaries of their officers and a further sum not excoeding one hundred dollars for stationery and other incidental exponses, and they shall exhibit to the Government, for the information of the Logislature, every yenr, an account of the expenditure of the same, with proper vouchers, and a full report of their proceedinge.
13. Agricultural Sociaties may be organized in ench of the counties wherever forty persons or mure shall have become memlers thereof, by signing a declaration in the form of Schedule $\mathbf{A}$ to this Act, and paying each not less than one dollar annually to the funcis thereof, and a true copy of tho said declaration shall, within one month sfter the money has been so paid, be transmitted to the Secretary of the Central Board.
14. When any society shall be so organized, such society shall be entutled to drav annually from the Board, by warrant in favor of its president, and on the certificate of the secretary of the Central Boaru, sot more than double the amount of the subscriptions so raised and paid; the payment of such subscriptions to be certified upon oath by the secretary or treasurer of the society, but no county society shall be enticled to draw more than two hundred and fifly dollars in any one year.
15. In counties where more than one arricultural scciety exist, the government allowance shall begiven on the principle in section fourteen, not exceeding for any county the sum of four hundred dollars in anv one year; and the same shall be apportioned among such societies by the Central Boarll in a rateable proportion to the amount of the subscriptions raised and paid by each socicty for the year in which such allowance shall be claimed, but no society shall draw more than two hundred and fifty dollars.
16. In case of any difficulties arising as to the boundaries of any such societics, the Central Boand shall define the same.
17. The object of such agricultural societies shall be to encourage and promote the introduction of improved stock, seeds, fruit, implements, methoils of culture, drainage, orchard cultivation, and improvement in farm buldings and domestic manufactures, to hold shows and exbibitions, $w$ award premiums for excellence, and to diffuse information concerning apriculture and borticulture. The funds of such societies, derived from the subscrintions of members or the public grant, shall not be expended for any object inconsistent with those above mentioned.
18. The annaal meatings of tho societies shall be held on the first Tuesday of December in each year, when they shall elect a President, Vice President, Secretary and Treasurer, and not more than five directors.
13. The officers appointed at the formation of such societics shall, until the election of
their anccessors at the amninal meeting, overcise all the pmonen rested in the socie:! by this Act.
20. 'They shall lootd aperial meetinges pursunnt to adje urnment, or on written notice from the ourctary, which shafl to given one week lefore the day apjocinted for sucis meeting, and at soxd neetings five shall le a quortili.
21. Tha said officers and firectors maty at any such mueting make, after, anil repeat bye-laws and rules for the mampernent of such sociuty, copies of which shall withis one month thereatter be forwaried to the secretary of the Central Boand for its approval.
22. The said offeers and directors shall, in audition to the ordinary dutios of management, present at tho annural neeting in Decomber a report of the proceedings of the society during the year, in which shall be stated the names of ail the unembers of the sociaty, the amount paid by each, the names of all persons to whom promians ivere awardch, with the name of the aniama, article or thing in respect of whicla the same was grauted, together with sucl: remarks upon the nuriculture of the county th they maj be enabled to offer, and a statement of the receipts and disbursements of the society during the year, which report and statement, if approved by the meeting, shall be entered in the journal of the society, and a true copy thereof eertitied by the president and secretary to be correct, whall be sent to the Central Board within one month theronfer.
23. If any society shall neglect to render such aecomis and report, it shall forficit its claims to the provincial grant for the jear next succeeding.
24. The county society, where but one exists in a county, and the several societies, where more than one is established thervin, shall be reyuested to hold an annual show for the exhibition of agricultural and horticultural produce, farm atocis, and articles of domestic manufactures, at which prizes shal! be granted for the best specimens proluced of farm culture, and such shows shall be held ai such time and place, and under such regulations, as the majoring of the officers and directore of the several county societies may determine.
25. If the cfficers and directors of she agricultural socicty of any county, or part of a county, considur that any ofber system might ailvantageously be sulstituted for that of shows, and that the sum allotted to sue! societies might be better applied in the importation of stock, or to any other purpose for the improvement of agrigalture,-in such case they may apply the said sum, provided notice thereol has been givell 20 the lioard of Aspriculture, and its approval of such appropriation obtained.
26. The provisions of this chapter shall extend to all agricultural societies at present in existence.

## SCHEUULES.

## A.

Wo whase names are hercunto subscribed agree to form ourselves into a society under the provisions of the Chapter of the Revised Staiutes "Of the Encouragement of Agriculture," to be named the - Agricultural Socicty, in the County of ; and we severally agree to pay to the treasurer of s.id society towaris the funds thereof annu-
ally the sums set opposite our respoctive naines.

| Names of Subeneit ors. | Sums Subscribed. |
| :---: | :---: |
| A 13 | 3 |
| ( ) |  |

## $B$.

The City and County of Inalifax shall comprike Distriet No. 1.

District No. 2 shall inolude the Countics of Kings, Annapolis and Digby.

District No. 3 shall incluric the Counties of Iunenturg, Queens, Shelbarne, and Yirmouth.
District No. $x$ shall inelude the Counties of Hants, Colehester and Cumberland.

District No. 5 shall include tho Counties of Pietou, Antirosish, and Guysborongh.

Distriet No G. shall inelude the Comnties of Capu Bruton, Richmond, Inverness and Victoria.

## CENTRAL BOARD OF AGRICUI TURE.

Halifax, 23rd March, 1875.
The annual statutory meeting of the Central Baard of Agriculture whs heht to-dyy in the Committee Room, adjoining the Provincial Library.

Present-Hon. 13. McDonald, Atty. General, Colonel Laurie, Oakfield, Colonel W. E Starratt, Parudise, David Nathesod, Esq., Mayor of Pichu, Israel Longworth, Esq., Truro, John Ross, E.g., Boulnrderie, Prufessor Lavisou.
David Matheson, Esg., of Yiciou, having heen mored into the chair, it was resolved, on motiou of Mr. Longworth, seconded by Mr. Starratt, that Colonel Laurie be elected President of the Boark. Whereupon, ('olonel Laurie, as President, took the chair, nud thanked the Board for their courtesy in electing him.

Moved by Mr. Matheson, seconded by Mr. Ro-s, and resolved, that lsrael Longworih, E.g., Truro, be elected Yice-President.

On motion of Mr. Matheson, secouded by Colonel Starratt, Professor Lawson was elected Secretary and I reasurer.

Mr. Longworth moved a resolution expressive of the sense of the Bound of the loss which the Province had sustained by the death of the late Pre-ijent, Mon. R. A. Mclleff:y, a copy of which was directed to be sent to his widow:-
Resolved,-"That the Board of Agriculture take the earliest opportunity to express their profound regrot for the death of their late lamented President-the Honorable Richard A. McHeffey, and to recond their sense of the loss which the Province at larce has sustained by being deprived of his services in the canse of Afgriculture, as well as in other departments of public usefulnese. Mr. McHeffes's admirable qualities as a man and a citizen, and the invalaable services which ho rendercul to the Agrical-
ture of Nova Sco:in, wero well kuown to overy member of the Banti, and cannos to too highly estimated. Tho Bonnil feel that in him thoy have lost $n$ wise counselfor, as well as a highlg veluel frienn, whoso menory thoy will nlwaye cherish, and whose place camnot enoily be imed."

It was arrauged to invite the Stunding Committee ot: Agricultuse of tho House of A-sembly to wect in conference with the Board on Thargliay, 25 th inst., as half-pasis cleven o'clock, and the Siecre. tary wat instrocted to communicato with tho Chairman of the Committee accordingly.
$A$ motion in retrrence to the proposed importation of sowl wheat was allowed to lie over for firther inquiry.

The Members of the Board spent the remsinder of the forencon in discussing the propriaty of unaling an importation from Ontario of horsen, cattle, sheep hul pige, and in planning a syotem of Amuunl Provincial Exhibitions, but no definite resolution was passed.

The llourd adjourned at 1 o'clock, to meet again at $3 \mathrm{p} . \mathrm{m}$.

3 o'clock, p. м.
The Board re-assembled. PresentCol. Laurie, President; Israel Longwurtlr, Fisq., Vice-President; David Maheson, Esfr.; John Rose, Essq. ; Coi. Starratt; Prof. Lawson, Secretary:
'l'he afternoon twas chiefly occupied in detailed business connected with Agricultural Societies, including the formation of a new society in Halifax Co.

The Board adjourned, to meet again on Wednesday morning at 10 o'clock.

## Committee Roos, $\left.\begin{array}{r}\text { Old Province Boos, } \\ \text { March 23r.l. }, 1875 .\end{array}\right\}$

I'resent-Col. Laurie, President; Israel Longworth, Fisq., Vice-President; Ilon. D. McDonald, Attorney General ; David IIatueson, Esq.; W. E. Starrat, Esaq ; Jolan Ross, Esq.; Prof. Lawson. Secretary.
Moved by Mr. Matheson, seconded by Mr. Ross,-

Whercas, A sum of $\$ 103.70$ was reserved out of the grant for Pict그 County in 1873 for the puroose of paying the New Gairloch Socicty its proportion in the event of qualifying therefor;
And uhereas, The Now Gairloch Socinty hax not complied with the resolution of the Board of 25th Junc, 1874. requiring the Socicty's original accoundes and you hers, with iteas of income and exipnditure in denail;
Therefore resolved. That the said amount of $\$ 103.70$ he distributed rateably amony the Societies in Pictou County that were duly qualified in 1973.

The resolution was put to the meating and passed unauimously.

A letter was read by the Secretary from the Rev. Endward Ansell, Beaver Harbor Parronage, with minutes of meetiag, held on 25th December, for the purpose of organizing a Society to be named the "Salmon River, Beaver Harbor, Agricultural Society," in the County of

Halifax. The Socioty embraces fortytwo membars.

Moved by Mr. Mritheson, seconded by Mr. Starratt, and resolven, that the new Society bo recognized as organized undor the Act for Encouragement of Agriculture.

Correspmetenco in reference to several business matters arising out of tho Provincial Exhibition, was lain before the meeting, and dealt with in detnil

Messrs. Longworth, Starrutt and Ross were named as a Finance Committeo to audit the Treasurer's accounts for tho past year.

The Board adjourned till Wednesday morning at ten o'clock.

## Committre Room, Provinciaf, Libbait, $\}$ 24th Murch, 1875.

The Central Board of Agriculture resumed business this morning at $10 \mathrm{a} . \mathrm{m}$.
Present-Col. Laurie, President; Israel Longworth, Esq., Vice-President ; Attorney General MreDonald; David Matheson, Esq. ; W. E. Starrat, Esq. ; John Rnss, Fsq.; Prof. Lawson, Secretary.

A telegram was road from George S. Brown, lisq., Yarmouth, anmouncing that it was il:convenient for him to attend che meeting.
The minutes of yesterday's meetings were reand aud approved of.
The aunual returns of societirs for the year 1874 were laid on the talle by the Secretary, and the Board proceeded to examine them. It was felt to be a matter of very great importauce that the funds raised by societies in their respective localities, as well as the legislative grauts assigned to them, should be used in the very best pos-ible way to promote agricultural improvement in the di-trict. C. E. Brown, Esq., of Yarmouth had called attention to this subjost by a commanication to the Secretary of Lhe Ejoard.
On motion of Mir. Longworth, seconded by Mr. Starratt-
Resolved, That in future the Board withhold tho Provincinl grant from Ayricaltural Societies that do not furnish with their annual reports $n$ cicariand full sccount of their receipts and disbursements, that tho Board iony be able to judro that in their operations the provisions of the Agricultural Act havebeencomplied with, and that the Socicties are therehy ont: -ed $\omega$ participato in the grant, which. in ense of secietres making im: perfect or unsatisfactory returns, caunot well he done,-and that the Societies have notice of this resolution.
The Secretsry was directer-to prepare a blank form of schedule for the Annual Returns of Societies, in order to secure uniformity and eusure perfect accuracy, Socipties to participate in the Legislative grant only on coudition that heir Returns are perfect and in the hands of the Secretary of the Board not later than 81st December,-Societies dolaying, or sending imperfect Returns, to be excluded.

Colonel Laurie; the hon. Atty. General
and Mr. Longivorth wore named as an Executive Comusitteo to act during tho recess in lenling with contingent business that might nrise and requiro adjustment prior to the general teocting.

Mr. Longworth read a communication from the Onslow Agricultural Society recommending the importation of live stock, as inuch required by Socioties and furmers gonernily.

Tho Board then aljourned, to meet again on Thursday morning at $100^{\circ}$ clock.

## Coymittre Roos, Province Library, Old $\}$

Province: Buildino, Larch 25, 1875. $\}$
Present-Colonel Laurie, President; Israel Longworth, Esq., V. P. ; Holl. D. MoDonald, Atty. General ; David Matheson, Esq., Mayor of Pictou; W. E. Starratt, Esq. ; John Poss, Esq. ; Prof. Lawson, Secretary.

The Auditing Committee presented their report upon the Treasurer's accounts, and the aunual returns of Agricultural Sucieties were discussed.

The following resolutions were tabled for consideration at the next meeting of the Board:-

1st resolution to be moved by Mr. Starratt, secouded by Mr. Matheson, viz:
Whereas, In other Provinces of tho Dominion as well as in the colony of Prince Edwnrd Island the Local Governments lave made provision for Annual Provincinl Agricultural and Industrial Exbihitions,
And Whereas, Tha great interest manifested by the people of this Province in the success of our late Provincial Exhibition indicates that it is in accordanco with the views of the geueral publio that such an Exhibition should be held in Nova Scotia annually.
And Whereas, The Board of Agriculture aro of opinion that a yearly Provincial Exhibition would not only meet with much favor, but prove a great stimulns to the ugricultural and other industrics of the Province,
Therefore Hesolved, That the Board bring this important matter to the notice of the Agricultural Committeo of the Houso of Assembly, so that the views entertained by the Board upon tho sulject may be laid before the Cegislature. Tho Board would earnestly recommend that, in addition to the suin ot money provided starly for Ahricultural purposes, an additional amount of five thousand dollars be given as a Prize fund for a Provincial Exhibition to bo held uider the direction of the Guvernment and Board of Agricultare in any County,selected ly the Board, that may to prepared to furnish suitablo Exhibstion grounds and buildings, and that may be willing to be at the necessary expense attending the management of the Exhibition, the County in which any such Exhibition may bo held to collect a sniall entrance fes from the visitoro and each Exhibitor, to go towarls delraying oxpenses.

The second resolutation, tabled by the President, provides that in each agricultural district (as defined by Statute) frrt and second prizes, of the respective values of $\$ 50$ and $\$ 25$, be offered annually for the best managed and best worked farms ${ }_{2}$ the judges, in making their returns, to give at length their reasons for awarding the prizes, and to furnish details of the system of crops followed, the breed of cattle ktpt, and their suitability to the
locality, and genernlly of any points in the managemgat that nre noteworthy; likewise to make special reperts on, anil furninh full paticulars resariling, any points of excellenco that mny come under their untice on farms other than those recommended for the prizes. By such menns she mothods in use hy, and tho practical experience of, our most enterpising farmers, will be brought to tho knowletge of all, whilst the bext farmers will themselves be put on thoir mettla to excel, and the spirit of emulation, thus aroused, will ho found, as in the caso of exhibitions, to re-act on the whole agricultural community.

At half-pait 11 o'clock, the following gentlemen, members of the Standing Committes on Agricultare of tha House of Assembly, attonded the meeting of the Board by iovitation:-

Donald Archibnid, Esq., M. P. P.
Avard Longley, Esq., M. P. P.
J. B. North, Esq, MI. P. P.

Hiram Black, Esq., M. P. P.
J. N. Menk, Esq., M. P. ${ }^{1}$.

Alfred Gayton, Esq., M. P. P.
Colonel Laurie explained the measures proposed by the Board for the ensuing season, and stated that the Board were desirous of ascertaining how far the Committee and Legislature would be disposed to concur with them.

Mr. Archibald referred to the varied industrial interests of the Province, and expressed his des:re that the Committee should support the Agricultural interest, as far as consistent with due regara to shiphuilding, fishing and commerce.

Ar. Longworth entored into a detailed explanation of the work of the Board, and proposed that their views should be einhodied is a concise shape, and communicated, in writing, to the Chairman, for consideration of the Agricultural Committee.

MIr. Ross advocated a grant of $\$ \mathbf{5 0} 000$ for importation of Stock, even it the Exhibition scheme should not at once be carried out.
Mr. Black approved of the recent action of the Board, and referred with gratificution to the choice that had been mado of an energetic President. The intrition to restrict societies in the application of their funds was a wise measure. Money was required by the Board to carry out their plans, and as the Hon. Atty. General was a member, the Board had only to apply to him for the necessary means. The Legislature would approve of any judicious expenditure, Mr. B. was much pleased with the proposal to import Stock, but there might be a feeling against an importation and an Exhibition both in the same year. He was glad to hear that the Railsvay Tariff had been amended, so as to render the establishment of a Bone Mill posible.

Ho wished the Board overy success, and would rouder every assistance.

Mr. Mack said lie represeuted a County largely interested in lumbering. but folt that improvement in stock when upon overy other brameh of industry. and he would, theretore, support the lhoard in their labours. It was a loss to the country at hicge to have poor breeds of catle and sheep.

Mr. North presumed he would be thought to represent the shipprog interesi. It was certainly the most heavily taxed of Nova Scotian industries, but tho sum a-ked for Agriculture was so insignificant that it could not possibly affret the shipping interest. His sympathies, he said, wero all with the Agriculturists, and too much encouragement could not be given to stock raising and fruit growing.

Mr. Lougley spoke warmly in favor of the various schemes of the Board, and thouglst that, if the Chairman of the Agricultural Cammittee were not too fainthearted, they could be carried out with success, and with bedefit to the Province. To refuse to respond to the claims of the lloard would be to acknowledge that we were behind the times. The brauching out of railways east and weit may lead to the limit of our Provincial funds, but that should not damp our ardour in maintaining a branch of industry upon which the relfare of the whole Province, and the comfort of the people were so thoroughly dependent.

The meeting was addressed in similar terms by Mr. Matheson, Mr. Starratt, and Mr. Gayton.

The Board continued its meetings on Tuesday and Wednesday, 30th and 31st March. Present-Colonel Laurin. President; Israel Longworth. Esq.. V. P.; Hon. D. MeDonald, Atty. General; 1). Matheson, Esq, Pictou; W. E. Starratt, Esq., Paradise, John Ross, Esq, Boularderie; Professor Lawson, Secretarg.

A letter was read from Cyprian Bailard, Esq., Midd!eboro', county of Cumberland, proposing the formation of an Agricultural Society in that district, which the Board entertaiued favorably.
in order to relieve the Journal of Agriculture of the Annual Reports of Sosieties, which have latterly become very bulky, it was resolved, in future, to omhody these in the Annual Report of the Board to tho Legishature, and to have the same printed at the opening of the Legis!ative session.

The following gentlemen of the Agricuitural Crmmitttee of the Elouse of Assemily met with the Board, viz.:Donald Archibald, Esq.. M1. P. P., Chairman; J. Mékinnon, Esq., M. P. P, Hirsm Black, Esq, M. P. P., J. B.

North, Esq., ML. I'. P., J. N. Mack, Esq., M. 1'P.

Mr. Archibald, the chairman, stated that :ha Committee hand considered tho various recommendations of tho Board, as fully as the linated time and engagements on other committees had allowed, and were tavorably impressed with the contemplatcu measures. They were prepareal to recommend the llouse of Assembiy to vote the nums required, with the exception of the prizes for farms, which, in view of the grants needed for other purpo-es, might be deferred for the present.

The subject of agricultural labor engaged attention, aud elicited remarks from Hon. Mr. MicDousid. Mr. Black, Mr. MrKinoon, and Col. Laurio. Mr. MicKinnon instanced the complete exhaustion of farms on the North Western Shore of Cape Breton, which he attributed not so much to want of labor or unwillingness to work, hut to ignorance of agricultaral principles. He hoped that some day we should have a:a hgricultural College to teach our young men how to farm.

Mr. Longworth presented the Auditing Committee's Report upou the Treasurer's accounts, which had been fonnd correct and properly vouched, and were ordered to be communicated to the Hon. Provincial Secretary for preventation to the Legislature in the usual mauner.

A letter from Mr. Blair, Secretary of the Onslow Agricultural Society, in reference to the contemplated Exhibition buildings at 'lruro, wis referred to the Executive Committee of the Board with power to act.

A large amount of detail business was transacted and committees appointed to forward the preliminary work of some of the schemes proposed for the present year.

On Saturday sereral members of the Agricultural Committec, and of the Board, visited Oakfield, by invitation of Colonel Isauric. the President, to inspect his Herd of thorough-bred Devons.

## Correspondence.

Londonderrr, March 24, 1575.
To the Eiditor of the Journal of Agriculture:
Sir,-I bought a No. 5 Blanchard Churn some months ago, and not without some misgiviugs as so many patent churns haze turned out a failure. But the Blanchard Churn is in my opinion a complete success, and well worthy of all the praise your correspondent "I. L." has given it It is so sirsple a child of trelve years of age can churn with it.

$$
\begin{aligned}
& \text { Yours truly, } \\
& \text { Burton Соoк. }
\end{aligned}
$$

Tatamagouche, Murch 2才, 1875.
To the Editor of the Journal of Agriculture:
Sir,-Last season I did my churning with one of the Blanchard Churns, and find it superior in every respect. It brings the butter in less time, and with a great deal less labor than any other churu 1 ever used. It works the butter free from the butter-milk in the churn without any change of dasher, and works in the salt in the same way quicker and better than it can be done by hame.

Yours truly,
Mus. Jajes Clark.

Messrs. Dickson and Jamiesor send the following for publication :-

Tnono, March 25th, 1875.
Messrs. Dickson and Jamieson:
Gentlemen,-In reply to your letter of to-day's date, requesting my opinion of the "Ihanchard Chura;" I have no hesitation in saying that it is far superior to anything of the kind that has ever heen used in my family, and fully possesises every characteristic claimed for it by the makers.
-Gentlemen, yours very truly,
W. R. Mulmolland.

## A FEW WORDS ABOUT PRENI:G THE APPLE TREE

To prune: a branch of fruit culture very important in the production of good fruit.

Let us begin at the first start of the tree. The scion of the future tree generally has three buds, from all of which shoots are liablo to grow. As but one is ranted, it is now the pruning begins. Choose the straightest and strongest shoot as the embryo of the future tree, remove the remaining shoots with a sharp knife, being careful not to disturl the scion, do not strip off the leaves from the young tree (as some do), for they are very important to the perfect growh of the tree, as the leaf performs for the tree duties similar to those which the lungs perform for the anim: '. The second year, side branches will grow from the tree; some of these may be cut ouh leaving some to shade the stem of the tree; the branches left should be kopt headed in and entirely cut array when the tree attains the size of one inch in diameter. When the tree has reached the required height for branching out to form a top, such of the side brauches as are needed to form the top may be left to gror. It is not good to have more than one branch growing from the same point on the tree; if more, they will be sure to snlit down when the tree is besring fruit, if not before. The height of forming a top varies with some of the different kinds of apples. While
the branches of the tree bearing the Pomme Gris variety are always extending upward, the bmanches of the well known Bishop Pippin are ever inclined to the grount, and those of the Noupareil grow in a horizontal direction.

The prevailing winds of a country have the effect of leaning the un-sheltered tree ; for instance the prevailing winds of Jing's County are from the West, causing the young tree to incline to the Fast. We can help to preserve the halance by cutting avay most branches from tho East side, leaviug the West side of the tree the heaviest while young.

As the tree continaes to grow, cut out sll interfering or cross branches, all dead or diseased branches, and others as the pruner may deem necessary.

It is a very important item of proning to know on which part of the tree apples will grow the best, whether on the outside, as the Bishop Pippin, all through the tree, as the Baldwin, on the south side, as the Emperor, or any peculiar place which a variety may have, that we may gire the bearing wood the most favourable position.

The best time for pruning is an unsettled question. Good authority says that young shoets or small branches may be cut as carly in the spring as the sap begins to flow, and larger brinches in the summer. Whatever implement is usod a smooth cut should be left on the tree.

The apple may be considered as one of the choicest gifts of a Beneficent Creator. When used in its perfect state, it is pleasing to the taste and conducive to health, its natural producireness giving to all a means of sharing the blessing.
E. C.

King's County, Marck 25th, 1875.
(From the Amhersi Gazettc.)
FRUIT-GROWING.
by t. n., p.arrsmoro.
Mr. Enitor,-Sit: I was much pleased with the editorial in your paper of the $\overline{\mathrm{a}}$ th ult., reminding farmers in this county of the formation of an Eastern Fruit Growers' Association, and exphaining the importance of raising fruit. It occurred to me, when realing the article, that if you were to collect the statistics of what is actually done in this ray in this county and publish them the farmers rould plainly see in them a sufficient gunmatee for making further efforts in this direction. To aid you in obtaining such statistics I subjoive a fer items of the orcharils in this place aud their annual production.

At Halfray River, Mir. Daniel Holmas owns an orchard that has been profitable to the family. I have heard it said that the farm was paid for by sellirg the
apples. They are oxcellent for eating or cooking and always sell readily in the foll for from three to four shilling per bushel. The production has been probably from fifty to one humdred and fifty bushels yearly. The orchard is now abomt eighty yeari old, but not so large as it has been, the trees that died not bejng replaced by new oues. It is still, however, productive and valuable. Other persons in Hialfway River, viz.:-John Hannah, Gaius Levis, Jos. Jeffers, James O'Regan, Robert Harrison, James P. Fullerton, and Alexauder Cook, have small orchards prolucing from ten to fifty bushels yearly. Some of the trees in these are quite old, having been set out by the old settlers, and notwithstanding they receive but litule care, they are healthy and productive.

Is Westbrook, Stephen Ruscoe, Wm. Caunon, David Atkinson, Sam'l Holmes, Francis Holmes, Edgar Scott, David Dickenson, Esq., and Caleb Lewis, 1st, hare orchards of about thirty trees each, that produce, annually, from twenty to fifty bushels for each owner. Tho trees are not old and wot grafied ; but the fruit is good, aurl each family has an abundant supply for itself, with more or less to sell each year.

On the New Canann Mountain, David Gilbert, Sr., has an orchard ot about fifty trecs, from rinicil he obtaias fifty bushels or more each year. This orchard is about forty years old. At the foot of the mountain Thomas Lrown has a small orchard that yiclds him from ten to twenty bushels yearly. In the New Canaan Settlement, John Cilbert, Sr., James Brown, and Mrs. Patrici Quinn, have each an orchard of about trenty trees eacl: that each produces from ten to thirty bushels yearly.

At the Cros: Roads, Thomns Leake and Charles Leabe have each a new orchard; Mr. Leake's is quite young, set out by himself, well cared for, and produces from ten to thirty bushels scarly, partly of grafted fruit. Mr. Charles Leake's is older and larger, set out by his gramafather, the late John Lockart; it produces fifty bushels yearly.

At Pleasant Valley, Jolnn and Robert Smith's orchard yields from thirty to sixty bushels anmually; it is about eighty years old, and well sheltered from the morth and north-east winds by Kirk's Ifill; one tree in it sometimes bears from fire to fifteen bushels in a year. Further down on the Back Road the followiag persons have small orchards of about a dozen trees each, which yield their owners an abundant supply for their orn use, viz. Isaac Nerrcomb, William Smith, Jr., Robert Ward, Esq., Elijah Fowler, John A. Grabam, William Smith, Sr., and Alexauder Fullerton; most of these are very old trees, having been set out by former proprictors niois no more. Isanc Nerscomb's is a thrifty young orchard set
out by himself, well sheltered hy his buildings and a high hill, and not more than diftern years old. Four or five miles back from the Back Road the Welton orchard, of fifty or more trens, produces from fifty to one hundred bushels yearly; they are marbeted in the adjoining settjements.

At Port Greville, William Wilkison, Joseph larsons, Charles Matield, James A. Ifaliedd, and Isaac Camon have young orchards, set out fifteen or twenty years ago, that vear abundance of fruit for themselves, and at the eame place John Hamings and the Pritchard orchards of about thirty trees each bear yearly fiom trenty to sixty bushels each, all very fair fru $t$ for home use.-The old orchard at Grant's, Fraserville, still bears well, and John Fraser's and the Kuowlton young orchards are quite productive, each of three from ten to fifi $9 n$ trees cach, bearing each yearly from ten to twenty bushels. Walter Barteau, at Horse Shoo Cuve, Cape D'Or, has an orchard, set out by himself about trienty years ago; it consists of abeat forty mules, some of them grafted, it is on good soil, well sheltered, and bears very well, probably from thirty to fifty bushels ampually.

At Advocate Harbor, Edmund Reid has a small orchard of about fiticen trees, set out about twenty-five years ago, that affords quite an abundant supply of apples for himself.

The late Colonel Fdirard Co'e, one of the Loyalists, by whom Parrsborough was settied in 1785 , set out on his place at that tume a small orchard for himself, and another for the colored people who were his slases or servants in the United States, then British colonies. They consist of ten to trelve trees each, and, although now ninety jears okd, are thrifty and bear together from four to ten bushels annually, all of them quite good for ordinary home use, and save the present owner, T. D. Dickson, the necessity of buying imported apples. At Partridge Island and White Hall a few trees are left of orchards that were formerly quite valuable; there are three of them and they bear from five to ten bushels ench yearly. George Newcomb, near M:n Village, has a joung orchard, some of them grafted trees, which hear from ten to twenty bushels anmually. The Berry Orchard, at Two Islauds, of nbout twenty trees, bears from ten to thirty bushels year)y. On the east side of Purtridge Island River only a few trees are left of the once flourishing Dickenson orchard; forty years ago it consisted of about thirty trees, that giclded about fifty bushels of apples yearly, for which a ready home market was always found. Since then the place has changed orracrs sevoral times, and sometimes been occupied by tenants, and the orchard consequentiy neglected; not more than five bushels are now got
from it yearly.-D.niel MeAloney has hore a flourishing young orchard of about forty trees set out by hinself; they are now only beginning to be of some size and to bear, he gets from them now about ten bushels yearly. Mrs. Cyprian Davison and James McKay have, ia this vitiage, each a small orchard of o'd trees, from which shey each gather ten bushels or more yearly.

> (Conclusion in our next.)

## BARON LIEIBIG.

Since the much-lamented death of the celehrated Gerrana chemist, the details of his life h::ve teen reated in a great number of essays and articles published in the most influential organs of the press, both of Europe and America, by well-intormed and competent authors. Therefure, a somewhat closer consideration of Liebig's influence on agriculture and physiolony will perhaps command a larger and broader interest than the repetition of mere biographical notes. One yoint ought never to be forgottell, wheaever Liebig's efforts and achievements are being juiged-the difficulties he had to overcome, when preparing himself for his later brilliant caroer, were by far cure serious than is now geuerally belioved. Ouly in consequedce of his patient aud dersevering investigations, and that of other distinguished scholars, the science of aature aud the instruction tibereiu have been raised to their present high staudard, and made easily accessible ; while forty or filty years ago, young weu of high genius and noble aspiratious were literally depressed and crushed by the insufficiency of physical and chemical in-stru-tion. Iniebig himself had to suffer greatiy, and often spoke with bitierness of his youth and yourhful shortcoming:-

In the year 1840, Justus ron Iichig first began to investigrate the secrets of Yeg-table and animal life. Fortunaiely for the result of his rescarches, he had then already attained high fame as a scientific author and university teacher; nag, even at that :ime, hs far as the science of chemistry is concerned, he already outshone nll others, escept the wid-ly celehrated Berzelius:

The school for chemistry and the chemical laboratory founded by him in Giessen had carried his repotation to every civilizad countly, and eager pupils, among them a great many youns Americans, were continuully streaming to it from all parts of the globe. So his soice could not easily remain unheard, and the new doctrines concerning agriculturnl chemisiry which he proclaimed, guickly spresd throughout the learned world, as mel! as the pulilic in general. The same discoveries made by it young and unkuorn
professor, might perhaps, in spite of their intriusic value, have been lost in oblivion, or at least have made their way more slowly, and that been by far tess bencticial to humanity.
'The essenco of Liebig's researches on vegetable life tany be characterized in a fow words: lio was the first to discover the intrinsic connection between the plants and the uineral iugrenients of the soil, and to work out this discorery into a clear and scientific system. It is true, many years before Liebig, even in very romote ages, cortain minerals, as gypsum, calcined bones, etc, were employed for manures. But this was a more empirical operation, aud no one ever thought of proclaiming the theoretical and scientific necessity of restoring the mintral ingredients carricd off in the crops from the soil. The people merely placed gypsum, astues, or bones on their fields because they had seen good results; but, as to the real cruse of their favorable influences upon the fertility of the soil, this was a perfect mystery, and remained thus, so long as the chemists and physiologists of the period inclined to consider the minerals, and the small percentege of ashes contained in the majority of plants, as a fortuitous combination, and thought tinem the nearer to ideal perfection the smaller their percentage of asites was fousd to be.

Previous to Liebig's diiccueries, the word "ashes" desiguated a mere elementary conception; overy thing which is left after the buruing of sood, coals, or any vegutable matter, was called ashes, and any residue of the kind was considered to be alike in substance and composition.

That all these "ashes" are totally different from each other, aud nearly as differeut as the plants themselves from which they are derived, was firs! discoverell and proved by Justus von Liebig, and this discorery, to which he was led by a series of most ingenious, bat also most laberious, experiments, became the chief source of his fame and glory.

Under Liebig's direction, a patient and vigorous staff of assistants made countless experiments in nearly every accessible part of the globe, snd malyzed, with the utmost care, the ashes of many thousaud different plants. The unamionous result of their insestigations proved, to a certainty, tho natural coherence betweea vegetable life and inorganic matter; they showed that every plant of the same kinci, whaterer may be the substance and the composition of its soil, receives the stome mineral ingredients into its frame, and cannot live and grow in a place whicin is ontirely deroid of the minerais necessary to its existence. To cite but one examnle, the tobacco plant chiefly withdrams lime from the earth, under every zoue and in every climate; its caltivation, in a soil absolutely deprived of that mineral, is simply inpossible, however liberally
the other conditions of its existence may bo provided for.

Theso results, phainly showing the error which foraser ayes had committed when neglecting and denging the importance of mineral ingredicuts in vegetablo substances, naturally led to a division of plants into several ciasses, each of which received the name of its principal mineral ingredient; regardless of botanical denominations, they were divided into a fers sir 3 ple classes, according to their predomi.nat contents of line, kali, silicious carth, etc.

Thus Liebig's doctrise concerning the inflnence of mineral matter upon vegetable life was firmly established, and nothing sepmed easier than to carry it iuto practical execution. It was no longer unknown what mineral ingredient; every plant draws from the soil; nathing else seemed necessary than to convey them in sufficient quantity to the fields, in order to obtain a boundless and neverceasing fertility. Here we touch upon a fatal momeut in the great chomist's life.

Perhaps it would have been better if Lichig simply had offered his priceless discovery to the practical agriculturists, and had allowed the farmers to put his theory into practice thernselres, instead of devoling his own exertions to that task. Probably his doctrine would then have made its way sooner and more easily, und, at auy rate, a long sertes of troubles, delusions, vexations, and hoctilo attacks of all kinds would have been spared to the discoverer.

But the vivacity of his genius allowed him not to restrain himseif to mero theoreticul investigntions ; on the contrary be devoted himself, with all the energy of his powerful mind, to the task of popularizing and of carryiog them into practical execution.

The opposition and resistance he had to encounter were extraordinarg.

It is no agreeable task to spesk of tho causes of this strange fect; for it must be confessed that both parties, the enthusiastic preachers of the new doctrine as well as agriculturists, had their parts in it. First of all, the deficicat instruction of the latter, their ignorance and absolute want of any thing like plasical or chemical science, were great obstacles; they did not, and coull not understand the technical language in which the new doctrine was preached to thers. And then. on the ocher side, the immoderitie zeal of the innovators did much harm; their violent sbuse of the farmers' and ladd-owners ignorance, narrow-mindedness, and obtuseness produced ill-feeling among the latter, and ineransed their prejudices. Liebig himself was leis guilty than auy other of such deplorable rashness but his disciples often passed the proper limits in the excess of their benevolent zeal ; the
author himself, baving been one of Liebig's first and most convinced pupils, confesses to have doue so.

But ail these olstanles-the ignorance of the public, and the occasional mistakes on the part of Liebigg adherents-cannot suffice to explain the persevering opposition which the new agricultural system encountered for so many years, and which even now has not yet completely subsided. The chief obitarle to its speedy and universal adoption lay in its siriking, and quite unexpected, practical inefficiency.

Contrary to the discoverer's foud hopes, the arificial manure composed by his orders, and tried on the grandest scale upon every variey of soil and climate, had wone, or scarcely ang, inlluence upon the produce of the fields; at any rate. if such an influence could be prrecived at all, it was infinitesiranl, and too slow to be of say practical value.

Now, the unsuccessful chemist had to undergo a long and treary period of discouragement, ill-will, and malicious derision. Let us hear his owa words about it :
"A real, lasting, and, not to be misigated, sorrow, was caused to me by the fact that I was unable to see and discoyer the cause of my artificial mauure's inefficiency. In thousands of cases I perceived each of its ingredients cperating exactiy in the way indicated by my theoretical researches and discoveries; y2t, when united, and brougbt into the shape of aptificial manure, they secmed to be worth less.

Sincerely convinced of his doctrine's correctness, the perplexed discoverer pas helpless belore its practical failure. And yet, a decisively favorable ani couvincing resalt was absolutply necessary to keep it afost, as the oppiosition to inuovating doctrines is nowhere stronger and mure tenacious than among farmers and landowners, to whom the inclination toward roatine and the following of cld courses is even more natural than to the rest of mankind.

From the teginning, they har scoffed at ine iniea of preparing manure ly artificial means; they had declared alond that animal action was necessnry for its production, and that, as a frequently used phrase somewhat peremptorily said, "Tho work of nature could nerer be replaced by the product of a chemist's melting pots!"

The failure of Liebig's artificial manure caused indescribnble jubilation in the ranks of the farmers and land-owrers; strange to say, thes lounly rejoiced to see that efforts which had been wade exclusively toward their own gool, and toward the raising of their co:ditiou and welfare, had been unsuccessful!
(To be conlinued.)

Wita pleasure we notice the importation of a Stock Horse, from Maitup, into Maithand. Hants. 'The animal is from the celehrated breeds of Knox and Mensinger, he stands 163 hands high and weighs 1250 lbs. and is beautifully proportioned and of a rich brown colour. Althcugh only five years old and unirained to trol, he shows an extraordinary rate of speed. This horse was inaported =nlely by private enterprice at a cost of Sl3(10.-Trero Sun.

## Reports of Agri. Societies.

## TIIF ANNUAY REPORT OF KING'S COUNTY AGRI. SOC'Y. FOR 1874.

The officers of King's County Society for promoting Apriculiure, in compliance with the Provincial Act of the encouragemen: of Agriculture, respectfully fubmit the followitg report for the year 1874.

In reviersing the transactions of the past year, the Directors feel couscious that it would be a remission of duty did they omit 10 congratulate the Society on its advanced positiou, on the interest displayed by nembers, and the agricultural class generally in this important branch of industry, so peculiar, so essential to their present demsnds and future comfort. The fixed purpose of this Snciety, for soine years past, has been the improvement of stock for beef, and it is pleasiug to note that, locally there is a marked proyress in that department, and the gratification woaki be much enhanced could the rematk be more extensirely applied. The introduction of improved breeds necrscitate a deviation from fixed grooves. Stock of high character is the counponent of high furming, and, unless the connection is maintained, good resulto are precarions, therefore we are not unmiudful of the fact that progress has not heen co-extensive with the expense iocurred. If superior animals are ar acquisition, extra means should be taken to maintain aud keep them up to that standard of excellence shich they have acyuired, and for which they are conspicuous.

Domestic animals readily adapt themselves to surrounding conditions-farm Stock in particular, and in their good or bad appearance is usualls reflected the thrist of the farmer. To attain that standard of excellence, it will be requisite to adopt a course of treatment opposite to that now in practice. In the choice of brecils for a particular locality, and for a specific purpose, rezard should be had to the influence that soil and climate would exercise in developing the animal sy siem, also to the too common practice of mixing different breeds o, the same farm 23 incompatibie and injurious; amidst sacis
confusion it is impossible to estublish n fanily type or carry out a desired purpose.

We are conscious of the olustacles to bo surmounted in carrying out as systematic course of breedieg. Some of the requisites are time, putience und skill; when these have been expended, lucal prejudice may step in and play an ugly part. If we had breeds in this country adapted to particular parposes swe shoulid not go abroad for then, hut we shall have to rely "pon other countrius for a supply as long as this consequent practice exIsts, a situation that does not redound to the credit of the garilen of Nova Scotia. Though the variety of breeds of catte in binglandare very great, we have ventured to import only a few of such as are considered the most popular, viz.: the Durham, the Ayrshire and Devon; these having their oligin in particular loralities shew that climate, situation and capacity of the soil $t$ feed, have co-operated in establishing their peculiar qualities. To the agriculturist Nova Scotia presents many matural idducements yet undeveloper. to the employment of labour and capital. We have extensive dyked marshes that could be made to yield an abundance of the best fodder, rich int tervales and hill-side pasturts; also samdy plains and stony tidges, each requiring a race of animuls especially adapted to it. The climate, with its varied temperature, offers no impediment to raising vegetable products as food fit for man and beast, and. if our brag is morth anything, we cau feed to repletion.

## 311.CH COWS.

In submitting a few remarks on this subject we feel conscious of our inability to present auy new or oripinal saggestions. It is satisfactory to notice that the dairy is beginning to attract attention; heretofore this important branch of husbandry has beeu overlooked by our agricultural societies. Milk has special attractions as an article of food, and is indispensable in our nutritive economy. The profits accruing from tive dairy attest its importance, and the quantity of milk used in the manufacture of $\mathrm{b} \because$ ter and cheese in the Dominion of Canadk for exportation is creating a demand in the home market, more especially for the latter article.

The consumption of cieese has largely increased withiu the last ferv years, and is becoming a staple article of food more than a luxury. In the products of the dairy Nova Scotia has always sustained a reputation for excellence, and the indica tions are that it will soon be os leading agricultural interest.

The milch cow is a machire for converting herbage into money, and the more natritinus food she gets the more profit is realized. Good cows are ind demend and prices steadily advancing. Latterly
anaily products of the furm have increased in value beyond their original fixad nates. For butter, which formerly soldat los cents, 30 is demanded,and cherse of first qualicy, at 10 cents, is treely selling at 20 conts, and very fow of our iurmers are in a position to avail themselves of shese extreme market prices. It they are. the articlos are not torihcommg in quantity sulficient to meat the local demand. The sudien rise of the dairy interests from comparaite nothingue-s to commercial importance $i$, claimug you, attention. Farmers in other localities are uniting :und organiziug assoc:ations for the purpose of advancing the dairy interost, and improve the art of manubacturing throumh : hetter knowlelge of the properties of mitk, and a more extensive acquaintance with the qualities required to constatute a good cow. Such an advance in prices shauld stimulate you to increased exerion with full faith in the bu-iness, having rogarid to the sthection of stock, the quality and pruperties of the food, as these are the first priaciples of success in the dairy.

Among our native cows are many that excel as butter producers, yieldiug en grass an abundaut flow of rich milk. These so-calied atives, being a mixture of various breeds imported furmerly ar different perioads and suffered to cross and recross indiscrimitastely, have no tixed character except the one very desirable trait of hardiness-roughing it. In breeding from them we have this drtficuley to contend against, the great uncertainty of the progeny being as good as the dam, a knowledge of sclection possibiy would, to some extent, remedy this defect, and, were a determinate course of breeding adopted, emploging thorough-bred rales, an improvement would be mude, and snimals reared suted to the varions districts of the Province that would rank higi not only as dairy stock but combine other desirable quatities. There are a variety of points requisite in a good con, viz.: the quantity and richness of the milk, the duration of the fiow after caiving, gentleness and disposition to fatten when dry. Your aim should be to select from your own stock the 'best; give an abundance of fond, good care, and regular atteudance. If you have no best, and should hear of a cow that will average a pound of butter is day for six months on a stretch, ' go for' that cow, aud don't haggle about the price.

## SHEzer.

In this department we have litule to present fivourable to the production of woel or mution; although the interest t.ken by our tarmers in this business has not ab:ated, yet there are many obstacles to be surmounted, some of which suidenly arise and fearfally curtail the profis, before this branch of industry can be sustained as a paying investment. The primary object appears to be the produc-
tion of meat, lamb boing it the ascend.ant. Wool is comparatively neglected, as it is not produced in sufficient quancity to mako it an articlo of commercial importance.

Our sheep-husbandry, to be successful, will require to be modified by the application of a more thorough knowledge of the principles of the art. Different breeds of sheep like cattlo vary in constitution, habit, und quality of wool. Ia Eughand. the nursery of high breeding, are tound sheep adapted to the various locatities of the country; attempts are made with periodical importations ot such as are mont approved, to perpetuate the breeds in this Province-we are nut informed of an instances where it has been successfully carried out. Superior anims's of the most popular breeils, viz.: the Cutswold. Southdown, Lit:colo and Leivester have been introduced, and, without regard to their characteristics, alloned to roam at large, tuking their chance with ihe sheep of the district. For a limited period the two former will hold out against climate and rougn usage, but the latter soon disappear, unless sustained by good care and liberal feeding. The facilities which the country affords to keep and maintain the various improved breeds should make sheep-husbandry a promiwent feature in our agricalture. One successful attempt would be speedily followed by another, and a g-neral en-thu-.asm awakened which would radiate in every direction through the community. The spirit of inprovement atteuding all new and profitable enterprise would lead to increased activity in other departments, to the necessity of applying skilled labour in their management, to a more extecsive kuowledge of the culture of roots, and 5 greater use of green crops, better caitivation of the soil, which would insiace a more abundant supply of manure, and the greatest care in its apylication, with the ail of the most ap. proved farm implements. These varied industries in cornection, working for the benefit of all, would help to re-suscitate some of the many undeveloped resources of the country. The great obstacle in the way of successful rearing of sheep, and one most difficult to guarli against, is the sudaen onslanght of dogs; the loss inflicted by their attacks is icuch greater than the profit derived from the flock. The loss throughout the country amually amounts 10 a very large sam, and few farmers in the vicinty of towns and villages are willing to risk a flock however small. As consumers of meat we are all interested in having good lamb and mutton cheap and abundant, and, on the question of rates wo are a!l very sensitive. Now here comes indrrectly a tax the magnitude of which we have no adequate conception of. On: the farmer it falis in many instances with ruinous ef-
fect, and deters hisn from pursuing what would be a profitable business. No man is williug to invest money in thoroughbred auimals at a cost of thirty to tifty dollars apiece and run tho ri-k of baviag them destroyed or maiued by dogs. 'Marty years ayo the bears, in their attacks, were wot a circuanstance to the presemt gencration of curs. The havoc made tho past yenr by Canis major and minor, is unprocedentel; reports have come to hand from difierent quarters of losses sustained, differsut individuals report two, three, six and nine, all choice animals, lyiug round in promiscuous mortality. The dilliculty of kuowing 'whose dog' leaves the evil without redress. Furmers should take holu of this matter in earnest, aud iusist on baving the tax ou dogs minlu imperative, otherwise sheep husbandry will contiaue to make slow progress. If the owners of dogs on tho rampaye were compelied ouce to pay the cost price of a heavy Liucola or Leicesseit would give them a prominent idea of the value of mutton, and woulit serve as sigeutle hiut, on the score of economy, to dispense with the useless services of their prowling "automata" suddenly.

## SWINE.

In this class we have little to notice; all of you appear to rest so well satisfied with the pigs that we should like to congratulate you on your felicitous repaso. The sise os two cents on the pound no doubt will stiaulate you to look sharper after the sty, and give more attention to the selection of the male you desire to breed from. The camalogut is as long as an auctioueer's list, and embraces a varsety of breeds from the large Yorksinire down to a Purcupine; you have pigs with the hide of a Rininoceros and the wool of a Southdown-no doubt they would be profitable if you could manage to sbear them. You have loug haired pis ${ }^{5}$, short haired pigs, and pigs without wool or hair, the latter spoitiug a skin as thin as a wafer, aud as bright as polished parchment. If you fail to mabe a judicious srlection the farrow will be a squealing wituess agaiust your science in purk; su dou't trust to luck, and whed too late find you bave had the wrong pig by the ear.

Many persons ohject to high grame pigs with thin skiu and little hair, the climate beng too cold for them; they are certainly more sensitive to cold than the cuarser breeds. and if not properly cared for will cousume at great amount of food, but in pens so coustructed as to exclude drafts of cold air, and supplied with plenty of dry litter, the whole economy is reversed, a change is at once perceptable, the auimals being satisfied with half the gaanuts of ioon'. and luxuriating in a good bed ofsirav, a large amount of valuabio manure is made in the course of the year, which
mny be blunted into corn oronion grouma withnitrogenous elfect; the animal, insteal of being $\varepsilon$ noisy ravenous hog, nssumes the dignity of a well-h, ed pig, and will wimer as well in our clinate as any other of the improved breeds; all he wats is calin repose.

## FIELD CIOIS.

With a few exceptious, we can report farourably of orops throughout the various districts. Our hay crop has been large, and generully secured in good con. dition ; this will enable fartuers to carry their stock through with greater fieedom of feeding, particularly youns cattle, which, under a fulse impression of economy, are often counpelled to subsist on the coarsest fodier. Some contend that such treatment is the hest way to rear good nuilkers, as it twnds to eularge the capacity for food. It may increase the size of the stomach but twe out of five usually cave in before grass comes, being "too poor to carry the load," and the tanner receives an addition to his stock. If capacity for food is an indication of good milking properies, it is certuirly desirable to have capacity, but we shalt most certainly hesitate before endorsiug such practice in order to procure it. With the Ayrshire, and its reputed good qualities as a dairy cow, you are familiur; she possesses the external marks of a good milker ; prowinent among them are the large udder and capacious stomach, these are what the Ayrshire mau admires; in breeding these are the first poiuts for consideration. But we must uot assume that the genuine Ayrshire cors has been reared on iuferior todder, tather the effect of continued care through a series of years on tha part of emineut breeders. ment who possessed a knowledge that enabled them to shape the animal and bring in the dosired parts. There are some things you know and a power of things you do not know, and the sooner you begin to inguire into some of the many hriden facts or mysteries in connection with the larm the sooner you will strar clear of mach of that hap-hazard work now in practice; you know it is wrong to sell down the hay bay, and put the stock on short allowance in the spring of the year, but you do not knors what you lose in the long rua by so doing, by the diminished manure heap, the slender amount of roots, and the decreasea value of the farm in its lessened ferility; howeve: with p'enty of good hay we shal! expect you to turn out stock something tnore than ordinary. We should like to extend our remarks on this subject if we lud time, as we feel satisfied that it would be more economical to dispose of the hay in the shape of beef, ycuag stock, or dairy produce, than shuts it ou to the rail.

## WHEAT.

Of this cereal it mo.y be observed that
for a long period it has occupied but a small area in our agriculturo, the general impression being that it is subject to casualties over which we have no control. Frow recent enquiries we are induced to believe that the rejection of this grain from our vocation partakes more the character: of a superstition than strength of will. Of late years, and the past stason in particuiar, the results are most satisfactory. Although the breadth sown was small in comparison with other crops, yet we are not without examples to show chat in the hanas of paisstaking tuen it can be successfully grown. Like other products of the soil it is subject to atmospheric influeuces, but not more so than some sther conspicuous crops, if mure-attention were giveu to the srlection of seed, especially the early ripening varieties, the proper alaptation of soil to the crop, a liberal applicution of manure. well composted and thoroughly incorporated with the land, an essential point in he observed in the production of graia, in fact seed of all kinds, with extra care in the cultivation, for thurough culture not only promotes the growth of plants, but acts libe a charm on weeds, oftea preverting the ravages of insects, which in some instances are equal!y as injurious. Wilh a little attention to the foregoing principies we shall iudulge the hope that the weak credality in the fallibility of this cereal will be rooted out beiore the advent of the next barvest-moon.

## BARLEY.

In this grain a falling off from last ycar is generally noticed, boil in quantity and quality. As this is not a very interesting theme, and, if further information is required, we refer you to the miller who does your grinding; be will readily respond to your inquiries, und be likely to say more than your suffering orgaus care ahout bearing. If you are let off without extra toll for the iabour of cleansing the grist from foul seed and other unpalatabie and indigestible aduhterations, ezpress your gratitude.

## oats.

Oats are geneally reported a fair crop, especially ou uplands. The eatimated yield, in comparison with the three proceeding yeare, may be saken above medium. Usually this cereal is sown in early spring on recentls turned lep. In conuection with this practice is the uncertainty of reaping a full harvcst. Unfavourable weather st that period may retard tine work; unless the braird is forward and firmly estabished by the end of June, the hight tempernture of midsummer will be a serious drawback bnth to the quantity and quality of the kernei, This method savours of the "old rut" practice of former yeara, when a cro, of oats was considered necessary to disintegrate the sol preparatory to the reception
of soms other product the following season. With the modern improved farn implements it is donbtul whether a con:immaion of this unage is to be recommomided for a deterioiated soil, unless in special cases. With regard to the qumtity of seed requisite to sow an acre we have nothing definite. The inferences drawn by men whose knowledge rurely extends beyoud their own pructice involves the ryetem, if it may be so styled, in mist. One man considers three busheló a tair ullowamce, another that four are about the thing, aud some assert that six are sone two much. Such conflecting statements tena to the conclusion that this old time practice is not the most rational, nud is more alied to chance than to scieuce. We venture to suggest (10 menbers) some carefully couducted experments with specimeus of improved seed on well prepared ground, although it should be of smail urea, and report the resuln with attending circumstances. If you look to the land as a means of support, give tho hand a chance to show, what it cau do ; "tura about is tair play." MA1ZR.
Thequantity of Itdian Corn raised during the past seasen is not equal to that of previous years. On light loamy soils, having a level surface, the gield was satisfuctery; the same may le said of slaty ground, but on clay loams it was mnch retarded in the early stage of is growth, by the atmospheric depression that prevailed throughout the month of June; sad the absence of that congenial warmth usual to the mouths of August and September was a further drawhack to its maturation. The importance and value of Indian Corn are well known to erery practical farmer. and, to julge from the quantity annually imported, also to such of them as are not merely speculative; some are of the opinion that, with the present state of the labour market, it is cleaper to buy corn than to raise it. This may be goud econong for those situated uear ${ }^{2}$ market, who dispose of their product:3 instead of feediug out their crops to stock upon the farm. But the majority of farmers are not so favourably situated. and many have long distances to travel to s depot, or shipping port, over roads which, in the epriug and fall months, are promiscuously pasty. In their case it is better to raise corn than to buy it. This crop possesses some advantages over most other grains. The seed conts but litule, au:? it requires little attention in haying time; it ripens at a period when other cereals are garnered, taxing the labour of the farm when there would be naturally a slack time. It is also comparatively sure, being subject to few casualitits. Protracted wet westher and early frosts are occasiouai drawbacks, but even these do not grevent the careful farmer from having good returns. For cattle, swine
and poultry, as a fat prolucing element, it hats no equal, and in the household econony we kiow how to apprecinte it. The most common auode of culture is to plant in lills three to four teet apart; good results have begu obtained where the drill rystem was applied. In either case it is now geuerally understood that it should not be hilled up as was the custom of former years. Further allusiou as to the modey of production is nut uecessary; as practical farmers you are already familiar with these from experience. Therefore we suggest that you put your experience to the test, extend the area of your corn patch, and ende.vour to improve the quality of tho graiu, selecting the largest, earliest, aud most perfect ears for planting. You will please walk into that co:n.
(Conclusion next month.)

## ARISAIG AGRI. SOCIETY, ANTIGO. NISII CO .

The annual general meeting of the Arisaig Agricultural Suciety was held at Arisaig, on Wednesday, the 1st Dec., 1874: The President in the Chair.

An Auditing Committee was appointed to audit the Irensurcr's account, when all was tound correct.

On luoking over the iist of members in the Treasurer's hands. it was found that it contained 43 paid up nembers.

The following were then elected offleers for the ensuing year:-Pres.-H. Mc Adam; Sec'y.-Donald McDonald ; Treax.-H. McAdam. Jireclurs.-Joseph McDonald, John A. McGillivray, Dougald Grant, Stephen Gillis and M. MeDonald.

John Cummings, Esq., of Upper South River, in this county, was appointed representative for District No. 5 , to the Central Boarl.

The Treasurer's account is as follows:
Arisaig Agri Sociely, in ceoount with Hugh McAldan, Trens.

Dis.
To bal. from 1873 .............
l'aid G P. Ifenry, for B
8343
l'aid G P. Henry, for Bull
Alex. Mct:ischren, feeding do....
$4 \pm 89$
1325
Jobn A. hicGiilivray, trip to purD. McDonald, two trips to Antigonish............................ Stephen Gillis, feeding Bull ... 3. MrcDonald, trip to purchase Bull, and keeping do........... Dougnld Grant, feeding Ball..... 500 Bult Calf, purchased .............. 23 06 Driving same from Cape. 30 feet chain. Stationcry Wintering Bull Calf.
$\qquad$

Cs.
By Govenment grant ............ $\$ 10200$
Sub. of members (43)........... 5300
Procecds Bull sold............... . 180.1

By bal................................. 248
Hugh Mrcadah, Treas.
The s'seep imported last year from P. E.I. turned out well.

The Society, in addition to the sheep, have three grade bulls, one Devon, one Shurt Horn Surham, and a calf got by Mara Duke. 'Hhe latter, from appearances just now, bids fair to be good stock.

Thu Society failed to procure some good Black Soed Oats this spring, but they intend making another attempt next spring. Crops of all kimds have been fair. Hay abundant.

Hugh McAdim, l'res.

1. McDonala, Secy.

## Advertisements.

## Ground Bones! Ground Bones!!

CHEAP, PORTABLE, LABTING IN EPPECT. The mont eflicacions fertilizer for cuery kina of croy.
With a view to meeting the growing demand for this very valuable Manure, the liroprietors of the Wellington Tannery are now completing their arrangements for supplying the above, carly in May.

Prices, delivered at Wellington Station :
3 in. Bones........ ....... 824.00 per ton.
Fine ground Bones . . 30.00 per ton.
Bones will be packed in barrels or puncheons. Orders for any quantity, from oue barrel upwards, will receive prompt attention and despatch.
Intending purchasers are requested to forwurd their orders as carly as possible to the Manager, WELLLNGTON TANNERY,

Oakfield, Halijax Co.

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Eoses, Verbeans, Xvics, Gerankiman, Pelapo gonituma, Curnactons, stc.
VARIEGATED AND FANCY FOLIAGE PLANTS
Plants for Basiets, for Ferneries, for the Window and the Conservatory, Plants for Ribbon Bed Borders.
One Hundred Plants, assorted different......86.00 Fiity Plants, assorted different.
One Hundred Verbenas, ns'rted colors, narmed 4.00
One Mundred Roses, small, assorted, named 6.00 Fifty Lioses, small, assorted, named ........... 4.00 One Hundred Plants for Ribbon Bed, four
or five colors of foliage, assorted....... 4.00
PACKAGES FOR 81.00 BY MALL, liberally assorted. New Conservatories and Greenhouses stocked at low rates No charge for boxing. Send for my Catalogues.
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## SEEDS! FRESH SEEDS!

The Sabscribers having completed their impor'ations of

## Garden, Flower and Field Seeds,

for the present peason, invite the attention of $\overline{\mathrm{r}}$ armers and Apricuitural Societics to their large and choice Stock. It comprises all the old favourite and standard sorts, and several covelties.

CARTER'S MABMIOTE PRIZE LONG RED MANGEL, grows to an inmense size and weight.
CARTER'S "LORD WARDEN" YELLOW GLOBF MLANGEI, a great improvement on the old Yellow Globe.
CARTER'S IMPROVED IARRDY SWEDE, the hest Sredish Furnip in cultivation.

English Red Clover,
Canadian Red Chover
WHTEDLTCH and ALSIKE CLOVERS,
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## SPRING, 1876.

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## seedsmang dx.

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The Journal of Agriculture
-is published monthis by-
A. \& W. MACKINLAY, No. 10, Granvilex Staest,
HALIFAX, NOVA SCOTIA

