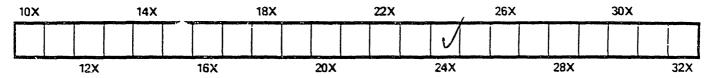
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TOWNSHIP OF YORK FARMERS' CLUB.

The monthly meeting of this newly formed Club was held at Dawson's Inn, on Wednesday evening, the 12th ult., E. W. Thomson, Esq., President of the Club, occupied the chair. Among the members present were Messrs. J. Ross, J. Snider, B. Bull, J. Dunham, James Donnolly, P. Ross, G. Ward, James McIlveen, Chas. Clark, &c.

The following paper written by Mr. Hugh Ross, who was absent from indisposition, was read by Mr. McIlveen:-

THE BEST MODE OF FARMING.

Mr. President and Gentlemen,-

In accordance with the arrangements made and agreed to at our last meeting, I will now for a short time crave your indulgence, while I read my essay, or I should rather say an attempt at one. I am sorry, sir, for your sake, as well as for that of the other gentlemen present, that the task of getting up the first essay, had not been assigned to a clearer head, and abler pen, than has been employed for this occasion, to one whose time as well as abilities would have enabled him to do justice to the subject; to interest and amuse, as well as instruct. The system adopted, and I believe generally carried out, at public meetings, anniversaries, &c., where a number of speakers address the audience during the evening, the inferior preceding the superior, I think is a good one, and always attended with good effect; and in this instance as far as my case in concerned, I am sure it will not be inverted. You will now have the worst first, and then will be able more fully to appreciate the good, better and best afterwards. Without further introduction, I will pro-

"subject," selected at our last meeting, namely: -"The best mode of farming."-Farming, sir, it has been often said, and cannot be too often reiterated, is, or ought to be, a subject of all-absorbing interest: it is one of those pursuits in which a man may properly engage, and in which, while he preserves his conscience, and his mauliness, he is at the same time rendering himself, by his busines, a blessing to the world. Farming, or agriculture, if you like the term better, is always, in every country that bears the stamp of civilization, the chief, the principal occupation of man. We have been informed on a former occasion, that about nine-tenths of the population of Canada are engaged in that most noble and honourable avocation.

There is an opinion which has crept into the minds of many of our young men, and as a consequence of indulging it, they look upon farming with a good degree of aversion. I would just say a few words on this point-and in the first place I would express my unqualified disapprobation of the idea, as being both lalse and ridiculous; it is this:-they consider farming is less noble and honourable, as a vocation, than many other pursuits. Now, if to be the owner and lord of the soil we till, of the hills and lawns, the running brooks, the giant trees laden with fruit, and to be master of our own time and efforts, relying only on the immutable Providence of the Creator for the rain and sunshine, combined with our own efforts, to give us bread; be not a position of independence and honor, then I know of none that is. But perhaps our young men would wish to have eminent examples to induce them to look on farming with any degree of favour. Then I would point them to some of the most distinguished Americans who thought it not beneath their dignity to assume the title of farmers; Washington for instance had no other profession; Jefferson, Jackson, Clay, and Webster, though they were distinguished as lawyers and statesmen, yet were proud to call themselves, and be called farmers. Hundreds of city merchants too might be enumerated, who in youth left the farm ceed at once to make a few remarks on my in disgust, for that which they then regarded as

a more honourable occupation, have since learned a useful lesson. Many have shaken off the dust of their feet upon the city, and retired to the healthful rural pursuits, once forsaken in disgust, happy in the fact that they have escaped from the turmoil, the anxious uncertainty and selfishness of the trading world, to find agreeable recreation and repose, on the broad generous bosoms of their own farms. They find that there is no early in the soil they till, no malice, no ingratitude in the honest oxen and horses they use -nature's cornucopia is generously and freely poured in their laps, without stint or grudge, and they find that whoever is diligent, honest, and efficient in his dealings with the soil, is very rarely cheated in return. Whatever the sons of our good mother earth may be, as far as honesty is concerned, we invariably find she is neither knave nor bankrupt. She does not fraudulently stop payment, nor has she any respect of persons --no matter whose or what muscles they be, that bend over her bosom in well directed toil-no matter what the honest brow, that thinks and sweats, in order that she may be put in ' .rmonious action, with air, shower, and sunshme, but she acknowledges as a worthy son of her bounty, and fails not to crown him with her own green laurels, and to bestow upon him the choicest, the richest rewards of her inexhaustible treasures. I would now offer a few brief reasons as inducements, why young men should adopt, yes prefer this as a pursuit. First, it is a healthy employment—who so healthy, strong and muscular, as the farmer? Secondly, there is less chance of loss, and more certainty of good living, in this, than any other employment. Third, it is more independent, and this all will acknowledge. The farmer is his own master-he tills the soil, and the God of nature, who ordained that man should labour never repudiates, nor defiauds the worthy worker of the fruits of his toil. Nor is this all, the farmer can have his meals, and his evenings in comfort with his family—he has in a great measure the entire winter season to cultivate his social and intellectual faculties. If he only will, he can be well informed; he has the means and the time if he will but use them; and here I would just say, that our Township Council deserve the applause of every right minded man, in taking advantage of the government grant and supplying the community in which we live with valuable reading matter—it is to be hoped that every person will avail himself of such an opportunity-as we hope ere long to see these books in circulation. But to return, farming is a sphere in which there is less temptation to immorality, than that of most other pursuits. To be a successful farmer requires good sense, steadiness of purpose, energy, hopefulness, patience, and a love of nature and of home. Successful farmers, too, are men of invention, men of mechanical talent. The idea that the farmer has nothing to do with machinery, either in the line of invention, or in the exercise of skill in the use of tools, is in keeping with the clumsy contrivances for agricultural implements, and the tedious hand labor process of their use, as exemplified in old fashioned farming, say thirty or forty years ago,

as I have it by report. Then the old woode plough was in vogue, which required a strong man to keep it in the ground, and make it ter its way through the soil, and it was, I am certain labour for the team to draw it—then the fork of tree answered for a harrow—then there were cultivators, no mowing machines, no reapig machines nor thrashing machines, no light harrows with joints to adapt them to undulating suffaces. These, the implements of modern faming, have resulted from the exercise of mechanical faculties among farmers.

Men who were educated as practical mechan ics, and those who have received at the Universities an education, in Mathematics, Chemistry, Natural Philosophy and Mechanics, have adopted Agriculture as a pursuit, and enriched it was their skill and learning, so that the implement of agriculture from an ox-cart to a pair of sheep shears, have a neatness, skill in construction and adaptation to their uses, such as to challeng admiration, and invite the hand to their use as i matter of pleasure instead of fatiguing drudger These sir, I think, ought to be matters of cousderation for the young, and sufficiently inducing to determine them to become farmers, insteaded hanging around the over crowded professions, and the commercial and mercantile interests, barely eking out an inglorious subsistence, when, if the would employ as much brain work, and halter drudgery and auxiety in connexion with agricutine in our new and inviting country as they not employ to keep soul and body together in all past subordinate situations, they might rise to the denity of men, and to the substantial platforme preuniary independence, for, as before assent where can you find the man, or class of men, wa follow other pursuits to be compared to the far, mer in point of independence, freedom froz anxiety and true happiness, I would say then: the young who have hitherto indulged a feeling of dislike to this noble and honourable pursus follow farming for a living, and if you are ass dious and diligent at your business, you wi not have cau-e to regret your choice.

But, sir, perhaps I have occupied too mud of your time by dwelling so long on the man inducements to engage in farming, which I fee confident none present, will for a moment ques tion, I will then leave that for the present, at: return to my subject, which I must say is rather an extended one-it is this: the best mode farming; it is so extensive as to comprehend? the future essays or subjects of discussion the may be brought before us, and at the same immay be condensed and summed up in a real brief compass. The best mode of farming migh be simply defined as follows:-Raising the la gest amount of crops from the ground, at the less expense, and with the least possible injury to the soil. I think no one will dispute this definite of my subject. Yet, in order to accomplish thes ends, few though they be in number, the farms will require a certain amount (might I not saylarge amount) of knowledge in his possessic Who can estimate the powers of the soil to pr duce, or set limits to its production when the soil is brought to the highest state of production

it is capable of?—Fifty tons of turnips, I have been informed, have been raised from one statute fore, and valuing these at one shilling per hundred—which would not be overreaching the hark,—gives us the handsome sum of fifty pounds forth from that one acre. This seems almost incredible, and would no doubt be ridicaled as indrue, by some of our backwoodsmen, who hever saw, or perhaps never heard of, a model farm—but if doubted by any present, it can be dorroborated by one of our members, whose privilege it was to see the crop growing.

ilege it was to see the crop growing. When our Canadian farmers can compete with this, or come up any thing near to it, which I ave no doubt at all they may—as it is freely admitted on all hands, that the soil of Canada, as far s regards its natural capabilities, its principles and component parts, cannot be surpassed by any wher under the sun .- I say when our farmers have got their fields to such a state of cultivation is this, by draining, by subsoiling, by manuring, ac., all of which we will be taught hereafter, by those who can do the subjects justice—can handle them the right way-then I will say, our farhers have made a rig step towards my subject The best mode of farming. Now Sir, as I said before, my subject is so extensive, it will not be expected for a moment, that I could attempt to five even a passing glance at all the various subpers involved in it—in fact volumes have been atten on it, and still they may be multipliedlew fields of investigation are continually being pened up to to the gaze and astonishment of fondering man, by the scientific investigator, and none will dispute the acquisition that science as been to art in agriculture, as well as in otner epartments—although I would say most decid-dly practice must always take the lead, and prence follow in its train. Sometimes indeed, pience, falsely so called, for it did not deserve the name, has advanced the most ridiculous and abund theories—but, as I said before, it was not sence or scientific men, but some would-be clever Allow for speculation, or else to exhibit ignorance. I will now for a short time allude to a few of the more important subjects which demand the timer's knowledge and attention, if he would be the proper sense of the word, a successful farmer; and in the first place he should be acquainted with the nature of the soil, he tills-should know what kind of crops it is best calculated to produce, at it is a we'l known fact, that all soils will not poduce the same kind of crop with equal success the should understand what principle is absent from the soil that would be necessary to produce good crop of a certain kind, he should also be appainted with the best, cheapest and most effisent to the soil either in the form of artificial manures or otherwise. He should also know how improve the different qualities or kinds of soil that may be in his farm, as very frequently we meet with various qualities of soil on our farms. Jom a want of knowledge of this kind manure often injudiciously and wastefully applied. his kind be obtained. I answer, from standard 🖏's, Leibig's, &c.

The farmer ought also to divide his farm, according to the quantity of land, I should say cleared land, he occupies, into such a number of fields as will be suitable for a regular rotation of the kind of crops he intends to cultivate; he should also pay particular attention to the kind of fences he makes, and enceavor to make those which will be most lasting and most easily repaired or renewed when they begin to decay; it is no inconsiderable expense, especially when timber is dear as it is now even in this place, to make new tences for the most part on a farm. I have lately read a plan or two recommended in fencing, which I will submit, it may perhaps lead to some beneficial conversation on this important point. One plan is in board fences, to bore an augur hole in the post in a sloping direction inwards and downwards for about two inches, just where the post will come in contact with the surface of the ground-or as the sailor would say, between wind and water-fill this hole with salt, which is said to be a great preservative of wood. It is recommended to steep the posts in sea water some time previous to putting in the ground; but as that would be rather inconvenient in this locality, perhaps the sait will answer the same purpose, at all events it would be worth while making the experiment, as it would not be very laborious or expensive, and would well repay the trouble if the posts lasted 5 or 10 years longer than they otherwise would have done.

It is also asserted by Mr. Preston, of Stockport, Pen., that if the posts be put with their tops in the ground, they will last three or four times as long as when they are put with the butt ends down. He also advises in making rail fences to place the heart side up. Some farmers cut their posts so long and mortise them in such a manner that when the lower end becomes rotten they can turn them ppside down. I think this economical and good. I have read of a fence made in the followmg way which might answer well for line fences or fences along roads: A row of butternut trees were planted, and notches cut in them a few inches apart, as high as the fence would be required, rails were fastened in these notches from tree to tree, in time the wood of the tree grew around the rail in such a manner as to bind it firmly-no fear of it droping out-and I am sure the posts would not readily rot. I consider this a durable fence. Might not pine or any other tree answer as well as butternut? So much for fencing; but, perhaps, I am treading on forbidden ground, however my subject embraces all the others, and therefore I consider mself at liberty to make a passing remark or two on any topic that claims my attention, more particularly as there is still abundant scope in reserve, in fact these subjects are so spacious as almost to be inexhaus-

Farmers should also attend to draining their that may be in his farm, as very frequently we deet with various qualities of soil on our farms. The want of knowledge of this kind manure should also be attended to, as it will stir up a should also be attended to, as it will stir up a quantity of subsoil which in a great part centains the inorganic food of plants, and also permits the works on Agricultural Chemistry—such as Johnship of the provise of the plants, and therefore they have a greater space to draw nourishment from. Stumps

should be eradicated as soon as possible, as they; are always the nursery of a host of the most dele- called on Professor Buckland to address the med terious weeds, besides they are a nuisance in ploughing, harrowing, &c. It has been objected to on account of the expensiveness of taking them . out; but I feel certain, where a man can afford to pay for their extermination, he will be remu- valuable saggestions from the experimental sc nerated in a shorter time for this expense than he ences, and the importance of higher and more at first sight would suppose. I would say in most, cases, one year would suffice to defray the expenses incurred in this proceeding-let us make a rough calculation, in order to arrive at something satisfactory. Suppose a field to contain on an average 50 stumps to the acre-these with their suburbs of weeds will probably occupy onetenth of the ground-the expense of taking out those 50, will be perhaps £2 10s. Suppose again this acre to be in good cultivation for mangel wurzel, or say tumps-it may produce 600 bushels, which would only be about 15 tons, an estimate not very high-allowing one-tenth of these or 60 bushels, to have grown on the place formerly occupied by the stumps, and these at 1s. per bushel will amount to £3, which would more than pay for eradicating these troublesome fellows, in one year. Farmers ought to pay more attention to their manure than what is commonly done. A great portion of the best of it is allowed to escape by exposure to the sun and atmosphere. Farmers should also invariably keep the best breeds of animals, as it is as easy feeding a good one as a bad one, and, as in the case of cows, one good one is worth two bad ones, and her keep costs no more than one. They should never keep more than they can feed well. Cows should also be provided, as indeed all animals should, with suitable houses in winter; it is a cheap practice that prevails in this country to a great extent of keeping cows out during the whole of a severe winter, often without even a shed to shelter them from the inclemency of the weather; besides they will not require as much food by one-third when kept comfeitably warm, and will look much better-so that the saving would thus be considerable, not to say anything of the animal's comfort. I might, sir, go on, almost indefinitely with the different improvements that might be suggested in tais department, which would be all necessary, fully to carry out my subject, "The best mode of Farming": but I am ahaid I have already trespassed too much on your time, and win therefore for the present, sum up with a few brief The farmer should endeavor (weather permittin.) to do all his work at the proper time, each department in its due season, and always finish if possible one jeb before commencing another; he should cultivate the most profitable crops; he should add as much to his ground every year in the form of manure as what has been extracted by the crop; he should use the most improved implements of husbandry; he should always base his calculations on this principle, that his thus while he is adding to his own wealth, he is also adding to the wealth of his country; and now, en, I thank you and the other gentlemen present for your kind attention to these few unconnected remarks.

After the reading of the essay, the Chairma ing. In the course of his remarks the Profess several times approvingly refured to the essay illustrated very clearly several important point in practical husbandiv that received light, a suitable instruction to the rising generation (tanners, particularly in this great agricultur country. He remarked that he had just comfrom assisting in an examination at the Normal School, for the Governor General's prizes in ser entitic agriculture, and expressed great sais taction at the progress which the pupils wer With seve making in that valuable institution. ral of the examination papers of his own class in University College, he felt much pleased at encouraged, although the course had been mad more contracted than it would be for the future He trusted that by next session such arrangements would be completed by his several of leagues as would place agricultural instruction g 'en in the College, on the most efficient and comprehensive principles. Votes of thanks har ing been passed to the writer of the essay at Professor Buckland for his interesting address, was resolved that the next meeting of the Chi be held on the evening of the second Wednesd; in May, at the Red Lion Inn, Yorkville, who Mr. McIlveen will read a paper in "The rotation of crops."

musseemm TOWNSHIP OF HAMILTON FARMERS' CLUB

AGRICULTURAL FAIRS, AND CHANGE OF SEEDS.

A very large assembly of the members of the Club took place in Cobourg on the 29th March when very interesting addresses were deliver by several gentlemen. We copy below, slight abridged from the Cobourg Star, the address by Messrs. Wright and Wade:-

Mr. WRIGHT rose and addressing the Preside said, that he had not prepared himself to speon the subject assigned to him "Agricular Fairs;" he felt, in fact, their utility was so we known to every one, who had any agricultar product to buy or sell, that anything he coulds in favor of such meetings might just as well t left unspoken. However, as a speech was a pected of him, he would endeavor to say some thing about a few matters connected with Farand Farmers' Clubs, which in his opinion conot be too often talked of.

It was not often any member of the Club b an opportunity of addressing a meeting such: this, where we usually had tens, to-day we le hundreds I-a fact certainly encouraging to the few individuals who, through good and through bad report, have unweariedly labored to ke alive our Club, the oldest in the Province, " now the parent of many others: whose object solely to protect the best interests of our come calling by discussing questions relating to &

silture, and consequently to the best interests of our noble country. Our Club is neither sectiona' for exceptional, although connected with our agricultural Society. We are always happy to meet with men engaged in other pursuits, who are willing to countenance us, and who can with very great propriety take a part in many of the subjects which by our Constitution we can legitimately discuss. He saw many such here to-day, and could not help congratulating the President having the honor to preside over the largest and most intelligent meeting of farmers ever assembled in the County of Northumberland the had gone when farmers were looked upon but a shade better in point of intelligence than the horses they drove; the various reports of the Pinners' Clubs in the Province clearly show that there are men amongst the farmers who can hande a subject practically and scientifically in a way, which was little expected; and sufficient, histhought, to make our teachers feel the neces-ry for a more severe course of study than has is a time prevailed. He would now make a in temarks on the subject of Fairs; it had been sated often to him that there would be a better puspect of establishing one in Cobourg than there we are now met; past experience would birdly bear this out. He beli-ved that the systen prevailing in Scotland wis the true one to blow, namely: hold our meeting at such places that no extraneous business will interfere, and where, having but one object in view, it can be will and speedily executed; in short, where we can mind our own business. He understood the Town of Cobourg was soon to build a Town Hall, and was rejoiced to hear some of the Town Counelexpress themselves much in favor of approphating part of it for a Corn exchange, where a weekly meeting of buyers and sellers could take pice with advantage to both. One thing he was imply convinced of, we meet too seldom; there is ealousy of feeling amongst farmers (cheers), which militates against themselves. There is much militates against themselves. undermity nor mode of fixing a price-it is demand which always regulates that; but Here the buyer only knows of one animal to at him, and the seller of only one purchaser, it stuated. ars would entirely remedy this evil, and comson establish an uniformity in price. lers and dealers in grain choose to adopt a gerent system from that which now prevails, mely-paying a certain price for 60 lb. or a hel of wheat almost irrespective of quality.— hey choose to adopt old country practice, and portionately rise or fall in price for wheat e or below a definite standard weight, they and in one year do more, for improving the livation of our cereals, than all the prizes en by Agricultural Societies will accomplish even. But so long as the farmer believes the too much truth in it) that the miller will ge as much for 60 lbs of smutty or for a mixture wheat, barley and oats, as for a clear sample, re is truly but little inducement held out for careful cultivator who, at increased expense, mishes the manufacturer with the means of ang a bonus to his less deserving competitor;

but these, and many other evils, would, no doubt, gradually disappear. It is our duty, Sir, to point them out, at such meetings as this. Good results will assure thy follow the advocacy of a good cause independent of the channel through which it flows, and with this conviction he had spoken.

Mr. Wane said-It is stated in the programme of this day's proceedings that I should address you on the subject of changing of seeds from one township to another, and my triend Mr. Black, on the changing of seeds from or e soil to another. The subject is somewhat hard to divide in this way, simply because the difference between one township and another is so small that the soil might be the same, the climate of necessity could not vary, and the only advantage in this way must be in changing from one kind of soil to another; supposing that in any township diffetent varieties of soil existed, and which, in some degree is the cause in most of our front townships bordering on Lake Intario, the front concessions being generally level: a clayey subsoil, resting on limestone, with a deep vegetable loam on the surface, rather conducive in ordinary seasons to produce too great a proportion of straw; the middle and rear concessions being tolling, also on a clayey subsoil, but often with a considerable depth of sand between the vegetable deposit on the surface and the clay below, rendering such soils less subject to the overgrowth of straw, but at the same time the quality of grain produced is better than on the richer soils, so far rendering the change from the one kind to another judicious. However, as I am inftinging upon the ground intended to be left to my friend Mr. Black, and knowing so well the opportunities of observation he has had, and also the great amount of experience he has had both in Scotland and Ireland, as well as over ten years of practical observation in this township, I can safely leave all this in his own hands; and I will now simply confine myself to two or three experiments that have passed under my own immediate observation with respect to the subject on hand, (still, by the way, I might say, in parenthesis, that there is no country on the face of the globe more favored in this particular than our own, simply from our own composition as inhabitants - we are composed of emigrants from all parts of the British Empire, bringing the knowledge and experience which has passed under our observation, then we settle among the natives of the soil who have been borne here, and can see what they are doing, whilst now and then a Yankey strays across our border, just to shew us the way they go ahead in their country-all shewing that we have no occasion to go through the slow and expensive experiments they had to do in the old countries, but simply to avail ourselves of the tried knowledge of the age.) I will now state the special wants under my own observation with regard to the introduction of new seeds. When our lands were first cleared, fall wheat succeeded well on all soils that were not too swampy; but after a few years' cultivation, much of the land that had produced good crops when first cleared, were found too wet for fall wheat-what I now refer to is the front townships, but in the back townships

they labored under another difficulty, their wheat sown in autumn being in three seasons out of four smothered by the snow coming early in winter before the ground was frozen, and lying on the ground until late in the Spring, consequently Spring wheat under those circumstances, if a valuable variety could be introduced, was what they would be most anxious to obtain. The '..st variety of Spring wheat of any value introduced into our country was the Siberian, and shows what momentous results may proceed from small beginnings. I was engaged in the seed business in the year 1840, more however in the horticaltural than in the agricultural department, and at that time was a subscriber to the Genesee Farmer, in which paper two varieties of Spring wheat were advertised for sale, and very highly spoken of; the one was Italian and the other Siberian. I requested one of the houses with whom I had dealings at that time to send me a bushel for trial. The year before a farmer in Otanabee had a small quantity of the same wheat sent as a present from a friend; it was sown, and succeeded so well that in two or three years there was quite a rage for it; and although I had grown it for two years or more, -as fall wheat could be grown on the front,-I had not noticed its value, and was quite astonished when I found the demand for it from the back townships, and as a proof of its value to those townships, I will state that what was told me at that time by a gentleman, one of the most extensive wheat buyers, at that time, in Port Hope, and who had for years bought the crops from the best farmers in Cavan and Monaghan: that when those farmers depended only on fall wheat, he might get from 200 to 300 bushels as their yearly produce; but after this description of spring wheat was introduced. he got from the same farms from 800 to 1,000 bushels annually. This variety, so excellent at first, after a few years degenerated, and is now hardly known; but several new kinds have been since introduced with more or less success. The variety mostly grown at present, is called Fife wheat, from the name of the person who intro-·duced it,—and our sister township Otonabee, is also entitled to the credit of introducing it as well as the Siberian. Much of our rich lands undrained, which cannot be at all depended upon for fall wheat, will produce from 25 to 35 bushels of this variety of spring wheat to the acre, with only ordinary cultivation, (and mangre all the grumblings of the millers who like fall wheat best. Such crops, even at 6d. the bushel less than fall wheat are not to be sneered at, and until some system of thorough araining is established on all our flat farms, spring wheat will be the main dependence. Before I conclude I will state another circumstance which has come under my own observation, and has been the result of a judicious changing of seeds; in fact; as well as the encouragement given by the Township Agricultural Society giving premiums for crops judged in the field. In our sister County of Durjudged in the field. ham particularly in Darlington and Clarke townships, they have for several years given premimms for the best crops of full and spring wheat judged in the field. The conditions were that

the premium crops should be threshed and si for seed to the members of the Society at a sim advance on the market price. This system is duced them to import from the States and elementer the best varieties that could be procure and in conjunction with the premium system had the effect of getting them into a quality wheat which is worth more in the market by 6 per bushel than can be realised in Cobourge Port Hope; and I am credibly informed that is reason why lower prices are obtained in our tow of Cobourg and Port Hope than Toronto and else where is from the inferior quality.

Mr. WRIGHT said,—He was extremely sorthat Mr. Black was called away from the meging on important private business; we had the benefit of his great experience on the subtraction of changing seeds, but at another time he had promised to audress us. He had farther to so the Directors of the Society intended purchasic a quantity of bone manure, and at their requeste had communicated with Mr. Lamb in Toroto. The manure can be had in quantity at 1st per bushel, and would be given to members the Society at that price adding charges.

GUELPH FARMER'S CLUB.

A meeting of this Club was held on the b of May. There was a good attendance a members, the President, Col. Saunders, in the chair. The subject for consideration was-"The importance of Root Crops to Farmer and the best mode of their cultivation." Me Parsons made the following remarks:—

"The benefits arising from a good root on are so multifarious, and at the same time so catain, that I trust the discussion of its merits the evening will lead many here present, as well others who are absent, to think as highly of worth as I do, and that the cultivation of roots future may be far more widely practised in the country than it has hitherto been.

I am well aware, sir, that there are some inviduals who assert that it is too expensive; grow a crop of roots in this country. To such would say, only give it a fair trial, and I dan hazard a trifle that, at the end of three years, in less time, you will think as I do on the subject. Besides, I would ask such individuals it answered their purpose to bestow expension abor upon a wheat or any other grain crop, with the necessary outlay should not answer upon root crop, that will ultimately pay the farmer a variety of ways, so much better. And nor Sir, I will endeavour to show, by asking a lequestions, how and in what manner, the cultivation of roots will be beneficial.

Is it, then, of no consideration or profit to the farmer, to have a foul sterile piece of land broughinto a good and profitable state of cultivated that will ensure him three or four successive crops, if judiciously selected, each of double the

balk and weight that the same piece of land has son yielded him before, and which a proper prealion of roots will most certainly effect? Is it partion of roots will most certainly effect? Is it of comportance to the farmer, that he is enabled to taken five or six, or even a larger number of cattle in the butcher, according to the roots he grows? is k again of no importance that he can turn off a number of fat sheep in the spring of the year, then both beef and mutton fetch a remunerative pre? Is it nothing, too, I would ask, if the samer can clip from a pound-and-a-half to two points more wool per head from his slicep, and be at the same time daily increasing in weight, walch will unquestionably be the case provided they get a portion of roots every day with their diffood? Is it, too, nothing in the scale, that hasheep and cattle should all be in better health be such food? and especially, is it no pleasure to an looking through his stock, to witness to themee sleek appearance of their skill and the papeet of well filled udders when his cows pare, with the promise of a good supply of fat reef for the butcher at Christmas; all resulting hen a well stored root-house? Again, I will is it nothing that a farmer should be able to proje than half fatten his pigs with parships, ar beets, carrots, mangel-wurzel and the like, ecost than feeding entirely with grain, and be meat of as fine flavor as can well be produc-But sir, if all the circumstances to which I he alluded be not enough to convince the scenthe profit which he must derive from a good crop, let him take fairly into consideration headvantages which he secures from the quality as barn yard manure. This, sir, alone will than compensate for any extra labour that may consider his root crop demands. popt upon the root crop that the expenses ought No be charged, This is a most fallacious idea, Mithough it may not be a general one, it is enmined by many whom I have heard excuse enselves on no other ground for not having a supply of roots. The three or four succeedcrops will bear a portion of the outlay in niging the land into good culture. But I do *consider any charge need be made on that score, as the several advantages pointed out manating immediately from the consumption the roots will more than pay any extra cost in There is also another fact to be consid, and that of no small importance in the dederived from a root crop, the amount of other dadverted on, which others make for not furng themselves with a good crop of roots. It frop in its different stages of growth; and, ever willing I may be to admit the difficulty, lea man is short-handed and overpowered work, which is the lot of us all at times, still, of it may be surmounted by judicious ar-ment, together with a certain amount of ment, togethought—so much needed, but practised, I am sorry to say, in this country me farms.

I feel, sir, that it would be well, at this point of my subject, to state, for the information of those who, unlike myself, have not been accustomed to raise roots extensively, that they have very little idea of the enormous amount of labour that is saved by getting the first weeding, hoeing, and thinning of a root crop done at the proper moment. Neglecting this for even six or seven days 'ater that it ought to be performed, will sometimes in the mugging days of June and July. when you can almost see your roots grow, be creative fully of five tim. s, and in some instances, I may safely say from experience, ten times the labor afterwards; besides which, if longer neglect than I have stated takes place, you will lessen the yield of your crop very materiallyfor the amount of food, when the weeds become very strong and numerous, that goes to support them, ought to have been consumed by the crop you have sown. This is too often thought of little importance, or rather its importance is overlooked altogether, which ends as a matter of course in a very unprofitable result. And, sir, having stated my views, very imperfectly I must admit, with regard to the importance of the root crop to the farmer, I will now proceed to consider the most profitable description of roots, and to state as far as my own experience goes, the best mode of production. I must, however, be permitted to beg that anything I may advance on the subject may not be considered as in a spirit of dictation, or with a feeling even approaching to presumption in supposing for a moment that there are not those present who have practised the root culture as extensively as I have, and who are equally, or more competent to impait information on the subject; and in this opinion I hope to be confirmed by and by from their remarks.

Sir, if it were not expected that I should go a little deeper into the manner of preparing the soil for the growth of roots, I would sum the matter up in a very few words, and if the practice were followed, the issue would, generally speaking, prove advantageous: it is this-plough deep, manure heavily, and hoe and weed well! This practice, in a favourable season, is pretty certain to secure any man in a good and profitable crop, provided he sows at a proper period; for after all much of his success must depend on that. But as I presume there are those present who would wish other suggestions to be submitted for consideration, I will endeavor to condense as much as possible what I have to say; still, I fear, from the nature of the subject, that I cannot be so brief as I could wish, when I look at the range it affords.

A man cannot do wrong in ploughing up a piece of sod or stubble as early in the fall as possible, the sod being first covered with the strongest manure he possesses, and if the soil be of an adhesive texture, I would let it remain without drawing the harrow over it, that the furrow might receive all the action of air and fost that it can get, provided the grass did not show itself in the furrows. But if a light friable soil, I would certainly harrow it and leave it as compact as possible; for I think much mischief is often done by fall ploughing light land, receiving as it does the

action of the frost, and often being drenched with heavy thin at fall and spring before the crop is sown, when intended for spring grain. I would of course run the harrow again over such land previously harrowed, as well as over the heavier soil, as early in the spring as practicable, to prevent the grass starting. You cannot alterwards well harass the soil too much by ploughing, scuffling, and harrowing, if toul or of an unkindly nature; for at every operation you destroy a vast amount of weed seed germinating, as well as foul weeds and grass which have been robbing the soil of much nutritive matter that would otherwise have gone towards feeding the plants. This treatment I consider equally applicable to land that may have been unproductive for years, and although I have experienced the pleasure and profit of growing roots on a rich and well cultivated soil, it will often be found advantageous to cultivate land less favourably circumstanced. On a very light soil, I would not fall plough the land unless I could do so very early, and had the manure ready to deposit, unless it were in a very foul state; for certainly grass and weeds will not be decomposed if turned over only a few days before the frost sets in. Such are my principle reasons for fall ploughing light land.

Mr. Parsons, regretting that circumstances over which he had no control had prevented his ging so fully into the subject as he could have wished, added some remarks in reference to the propriety of a further supply of manure in the drills previous to sowing in spring, and enlarged on the relative advantages of the different modes of sowing, giving the preference to the raised drill system when the land was in a bad condition, but otherwise approving of distributing the manure broadcast, and sowing in drills on the level surface. Mr. P. concluded by recommending, from his own experience, the raising of parsnips and sugar beets conjointly with turnips and mangel-wortzel in larger quantities than was generally practised in the vicinity, as highly advan-

tageous to the farmer.

A long discussion ensued, in which Messrs. Parkinson, Wright, Murton, and McCrea took part, but which from the late hour at which the meeting broke up, we can only very briefly notice. Mr. Parkinson was much in favor of raising root crops largely, by which means a larger stock of cattle could be kept and fattened, an increased quantity of manure obtained, and consequently a greater amount of grain grown. He advocated a thorough preparation of the soil, and recommended that turnip sowing should take place from the 15th to the end of June, an earlier sowing exposing the young plants to greater hazard from the fly. He was in favor of ploughing immediately before sowing, and preferred sowing on level to raised drills. He preferred imported to home raised drills. raised seed, and stated distinguishing characteristics of the genuine article as full grown, round, plump, and dark colored. He was much in favor of giving the plants ample space for develor ment, preferring a moderate quantity of large size roots to a larger number of smaller sized ones.

Mr. Wright was disposed to have the plants | £8 7s. 2d.

at such a distance apart as would give the gest return in weight irrespective of the sm the roots, and entered into calculations to s that this could not be done by raising larger a yard apart, butthat a more circumscribed sa producing of from 3 to 5 lbs., would yield most profitable return. He was rather index ed to the cultivation of parsnips and carrots a existing circumstances

Mr. Parsons approved of the drills 27 iris apart, and the plants 18 inches. Mr. Wit preferred having the plants 18 inches apana ways. In regard to storing, the only recome danons not generally noticed were those of Parsons, to let the roots lie four or five & to get thoroughly dry before putting, at cover with a layer of straw from 6 to 9 in deep laid on like thatch; and that of Mr.) Crea, to place air tubes in the pits to let d: steam.

Thanks were voted to Mr. Parsons for his dress, to the Press for their attendance and atter in reporting the proceedings of the Club, 22

the President.- · Herald.

PROCEEDINGS OF THE BOARD OF AGRICULT

The Upper Canada Board of Agriculture cording to notice from the Secretary, metals office in Toronto on Wednesday the 3rd My The members present were :- E Thomson, Esq., President, Hon. Adam Fa son, John Harland, and R. L. Denison, E Professor Buckland, and Mr. Sheriff Ruttz

After the minutes of the last meeting half read and approved, a number of communic which had been received since the last me were laid before the Board. A communication was received from the Bureau of Agrica stating that the four members who had tells ballot, viz: Messis. Thomson, Denison, E and Harland, had been re-elected by votes County Societies. At a subsequent stage of proceedings Mr. Thomson was re-elected dent of the Board for the current year.

The Treasurer's Balance Sheet was subto the Board, showing that according to the counts as previously audited, the amount re ed by the association, including the balance the previous year of £175 15s. 74d., was, financial year, commencing before the Exhi at Toronto, and ending before that at Ham £2613 7s. 6d; the expenditure for the jet cluding outlay on the Experimental Farm, expenses of the Board, and expenditure on an of the Exhibition at Toronto was £2009 2: of which £1236 19s. was paid in premize Toronto, leaving a balance on hand at the of the last financial year of £604 4s. 7d.

A communication was received from Mr. of Hamilton, with the balance sheet of the Committee at Hamilton for the expendit the Exhibition in that city, showing the amount at the disposal of the Committee Exhibition had been £385, and their expen £376 12s. 10d., leaving a balance on ha

A communication was received from certain statlemen at London in reference to the next Physical Exhibition to be held in that Town Athe 26th to 29th September next. The mated was taken into consideration by the Board and shollowing five gentlemen were named on the and the Board as members of the Local Committee at London to make arrangements in view The Evhibition, viz : Jno. B. Askin, Esq., Preedent of the County of Middlesex Agricultural Schely, Thos. C. Dixon, Esq., M.P.P., John Schely, Thos. C. Dixon, Esq., M.P.P., John Schelmes, Esq., Mayor of London, and J. B. Stathey, E.q. The Secretary was authorised to samulucate with the committee, and to state wit some members of the Board will meet them sonly at London to make arrangements for the Ethibition.

Some matters of detail then came before the and, which were severally disposed of, and the Scretary then read a sketch of a report of the seprendings of the Board and Association to be bmitted to Parliament, which was approved A and at half-past four the Board adjourned till

g. è next day.

SECOND DAY.

Thursday, May 4th.

The Board resumed this morning at 9 o'clock. same members being present as on the pre-

The first matter taken up was the revision of the Prize list for the next exhibition. The items ere taken into consideration seriatim, and some of the premiums were increased considerably in member and amount, the principal increase being the premiums for cattle. The matter occupied time of the Board for several hours. A resolution was then proposed, and after con-

erable discussion, carried, to the effect that as rain seeds are particularly liable to deteriora-Pard to import a quantity of Oats, Barley, Peas of Spring Vetches, &c., from the United Kingmand distribute the same under certain restations to the county societies at cost price.

The question of the improvement of the Ex-primental Farm on the University grounds havbeen taken up and discussed, it was resolved proceed with the same immediately, and that President, S cretary, and Treasurer have a discretionary power to consult with the Bursar, 4. Buchan, and Mr. Cumberland, Architect, in

beference to the erection of buildings.

derence to the erection of buildings.
The question of the importation of thorough and improved stock, which has been relatedly urged upon the Board, having been then up and considered, and several communitions upon the subject submitted, a resolution ster full discussion was finally passed, not to take any direct investment this year of the bads of the Association with that object, but with the view of encouraging importation, at the Association should at the London Exhibition award to every male animal which shall deemed worthy of the first prize, and which deemed worthy of the first prize, and which dall have been imported since the last Exhibi-An double the amount of the Prize offered in cuttings were rather backward in breaking the

The circular issued by the President to the county Societies, in reference to the Sydenham Exhibition, was approved by the Board. President stated that he had received several answers from county societies in reply to the cheular, and it appeared from the country papers that the matter had been taken up in several counties which had not yet communicated directly with him.

The proposal of Mr. Sheriff Treadwell, President of the Provincial Agricultural Association, to award certain Premiums for farms and gardens in the County of Prescott having been considered, the Board approved of the same, and were of opinion that the proposal of Mr. Treadwell is highly creditable to him, and will no doubt be of much interest, and productive of good results in the County where the prizes are to be

After the transaction of some further business. the Board adjourned.

POTATO CULTIVATION.

The following Communication, addressed to Lord Palmerston from the Bruish Consul at Fiume, Illyria, is interesting, and may be of value to farmers. It may be that the thorough drying of cuttings for seed in the autumn, and keeping them over winter to plant in spring, may have a beneficial influence on the constitution of the plant:--

> "British Consulate at Fiume. Sept. 30, 1853.

"My Lord-I humbly beg leave to address your lordship, at the request of a Mr. A. Frangi, a Tuscan ge illeman, who is very desirous to lay before your lordship a sample of potatoes, this year's produce, on an experiment of his made from cuttings of diseased ones. As they prove to be of excellent quality, it is of great utility and benefit to agricultural interests that his method adopted to preserve and reproduce a crop of this nourishing food be explained; and, by laying this specimen before your lordship, he trusts you will find an interest therein to call the attention of agriculturists to follow up the experiment, in order to successfully preserve to themselves the means of conserving the seed necessary to insure them a crop of fine farinaceous and almost equalsized truit, and at an early period of the year .-Mr. Frangi last year finding his stock of potatoes fast decaying from disease, resolved on drying them, and had them placed near to a retort on his chemical works, (for he had read in the papers that in Russia something of the kind had been done) and in a dried state he continued the consumption for his house use during the winter; and in the spring, finding a beginning of vegetation, he had them cut up and planted separately from other potatoes, but near thereto. The dried

and weeding, and on the 25th July were gathered, and produced an abundant and equal-sized potato. The other crop from the common cuttings did by | no means produce the like, and have already given signs of decay as before; but not so the produce of the dried cuttings. The soil in which both sorts were planted is of a rather stifl, stony, clayish compost. The spring was very damp, the summer, nowever, proved very dry, yet the verdure of the dried cuttings maintained their verdure, which faded and perished with the other kind. Mr. Frangi has forwarded a similar sample of the potatoes unto the Marquis Rodolfi, President of the Tuscan Agricultural Committee, for his information, and he begs your lordship will excuse the liberty he takes in sending his sample, for he trusts your lordship will find an interest in this his experiment, by which the produce of a fine healthy fruit is so far secured to man. He begs a repetition of his method may be made in Great Britain, and he confides as favorable a result will ensue as here; thereby conserving the means of precuring an abundant crop for the following years of this most nourishing plant, and must be of great interest to the population of the United Kingdom. I most respectfully beg to inform your lordship that the sample-box is on its passage home in the British schooner Sprightly, of London, John Paul master, bound to Gainsborough from this port, with a cargo of oak-staves, to be forwarded on arrival.

"I have the honor to be, my lord, Your most obedient and humble servant, "Charle T. Hill, Vice-Consul."

horticulture.

PRUNING ORCHARDS.

(From the New England Farmer.)

Trees properly planted require attention during the first few years to form a well balanced top, taking out some and shortening other limbs.—
After this the pruning required is very trifling—in most trees none during the ordinary life of man. But in this wicked world we must take things as they are and not as they should be, or would have been, with proper early attention and culture, and as far as practicable, remedy evils already existing.

ing.
The most common error in pruning is thinning out the whole interior or central portion of a tree to "let in the sun," thus destroying one-half of the bearing branches, leaving long, naked limbs producing fruit only at the ends beyond the reach of anything larger than a raccoon, without the aid of long ladders, lessening the quantity of fruit and injuring the quality. Apples protected by leaves are much better, larger and fairer. (being grown as Nature designed) than when grown on the ends of long branches, exposed to the sun in July and August. In the cool, moist and cloudy

earth, after which their growth was manifestly more rapid and luxuriant than the other plants. They were precisely treated the same in hoeing and weeding, and on the 25th July were gathered, and produced an abundant and equal-sized potato. The other crop from the common cuttings did by no means produce the like, and have already given signs of decay as before; but not so the

Trees require different training, depending varieties. A course proper to perfect the N thern Spy or Newton Pippin is wrong for Rhode Island Greening and northern varieties;

nerally.

When old trees are grafted, a very differ course of thinning out is necessary, and general during the first few years it is necessary to cout many of the grafts. It is of little use topic old trees standing on worn out soils (as is the court with most of our orchards) without first culing ing, manuring and supplying alkalies, of white soil has become exhausted; but as this are already quite too long, I shall say nothing cultivation.

When a tree throws out sprouts on its brand: it is a sure indication of disease, and the mar-remedy is to leave the best to form new life and gradually remove the old branches. If the is done with the first sprouts, it will be need sary to leave very few, and cut out old branch accordingly. Old decayed trees which la been entirely neglected, when filled with up rous shoots, can in a few years have entire to tops by reserving the strongest in proper play and cutting out all the old limbs. These, er man understands, should be cut close to growing limbs, and so as to heal well, and comed with some composition. The best I have tried is composed of tar thickened with bricket and applied when warm with a brush. Graff wax or Gum Shellac dissolved in Alcohol is lize to peel off on large limbs.

The time for general pruning in New Englis in June or early in July, after the first grow. The sap is then rapidly formed, and description the leaves so that all fresh cuts commeclosing immediately. Large dead and dilimbs may be cut through the summer, Separate and October, if covered with compositional winter pruning is bad. February, Mand April are the worst three months in they for pruning any trees. Sap soon after ascullarge limbs, poisoning and killing the bark, as if a general pruning is then done, it is very a structive.

I am aware that winter or early spring proprise advocated by many very intelligent mention a country where every winter the thermore falls from 10° to 30° below zero it is far betteres alone. If any one will notice an order so treated (and it is often done)—see it again. August with the black and dead bark on lizand bodies caused by flow of sap, and making progress a few years, he must be satisfied it be as well to cut a tree at the roots and remort entire, as to cut off one-fourth of its top interior or early spring.

C. GODRICK.

RULES AND REGULATIONS

OF THE

EXHIBITION OF THE AGRICULTURAL ASSOCIATION OF U.C.,

TO BE HELD

IN THE TOWN OF LONDON, SEPTEMBER 26 TO 29, 1854,

WITH THE

LIST OF PRIZES.

J. B. Strathy, Esq.

OFFICERS-1854.

President:

C. P. Treadwell, Esq., L'Orignal, 1st Vice-President:

David Christie, Esq., M.P.P., Brantford.

2nd Vice-President : William Niles, Esq., London.

Ex-Presidents : E. W. Thomson, Esq., Toronto.

Hon. Adam Fergusson, Woodhill.

H. Ruttan, Esq., Cobourg.

J. B. Marks, Esq., Kingston.

T. C. Street, Esq., M.P.P., Niagara Falls. Wm. Matthie, Esq , Brockville.

Treasurer: R. L. Denison, Esq., Toronto.

Secretary: George Buckland, Esq., Toronto. Consulting Chemist: Professor Croft, of University College.

Sudsman: Mr. James Fleming, Toronto. Bankers: Bank of Upper Canada.

THE BOARD OF AGRICULTURE,

Consisting of the following Members, constitutes the Council of the Association between the Annual Meetings thereof :--

E. W. Thomson, Esq., President, Toronto. Hor. John Rolph, Minister of Agriculture. Hor. John Rolph, Minister of Agriculture.
C. P. Treadwell, Esq., President of the Agricultural Association, L'Orignal.
Hon. Adam Fergusson, Woodhill.
Henry Ruttan, Esq., Cobourg.
R. L. Denison, Esq., Treasurer, Toronto.
David Christie, Esq., M.P.P., Brantford.
J. B. Marks, Esq., Kingston.
John Harland, Esq., Guelph.
George Ruckland, Esq., Scardary, Toronto.

George Ruckland, Esq., Sceretary, Toronto.

MEMBERS OF LOCAL COMMITTEE AT LONDON.

B. Askin, Esq., President Agricultural Society of Middlesex. thes. C. Dixon, Esq., M.P.P., London.

G. Alexander, Esq., President Agricultural Society. Oxford. Wm. Balkwell, Esq., London Township. John Styles, Esq. Wm. Moore, Esq. " "
George Robson, Esq. " "
James Quarry, Esq, McGillivray.
Wm. Barker, Esq., Town of London.
Wm. J. Fuller, Esq., " " John Curling, Esq., John B. Askin, Esq, Chairman. J. B. Strathy, Secretary and Treasurer.

John Scatcherd, Esq., Warden of Middlesex. Marcus Holmes, Esq , Mayor of London.

T. Locker, Esq., Malahide, Warden of Elgin.

RULES AND REGULATIONS:

Extract from the By-Laws of the Association :-

"The Members of the Agricultural Societies of the several Townships within the County or United Counties wherein the Annual Exhibition may be held, and the members of the Society of the said County or United Counties, shall be also members of the Association for that year, and have badges accordingly; provided the Agricultural Societies of the said Townships, or the Society of the said County or United Counties, shall devote their whole funds for the year, including the Government Grant, in aid of the Association. The Office-bearers of all County Societies shall have badges of free entrance during the Show."

1. The payment of 5s. and upwards constitutes a person a member of THE AGRICULTURAL Association of Upper Canada for one year; and £2 10s for life, when given for that specific object, and not as a contribution to the local funds.

- 2. No one but a member will be allowed to compete for prizes except in classes U. W. Y. and Z.
- 3. All stock and Articles intended for Exhibition must be entered in the Secretary's Books at London, before 8 o'clock on Tuesday evening the 26th of September; if by letter the postage must be paid, and the person entering must remit 5s., being the amount of subscription constituting a member.

Blood Horses and Thorough-bred Cattle must be entered, and have their full Pedigrees properly attested and sent to the Secretary in Toronto, not later than Wednesday, September 20th. No animal will be allowed to compete as pure bred, unless they possess regular Stud and Herd Book pedigrees, or satisfactory evidence be produced that they are directly descended from such stock.

Parties making entries by letter are requested to be particular in specifying the different articles they wish entered, that is, giving the class in which each is found in the Prize List, with the age of animals, the quantity or particular variety of other articles, &c. Entries will be taken at Toronto at any time up to the 20th of September. After the 21st they will be taken at London. If the applications for entries are received in sufficient time the cards will be forwarded to the address of the parties by mail; if not, they will be ready for them in London. Parties are requested to make their entries at as early a date as possible.

- 4. Badges from the freasurer's Office will be furnished each Member, which will admit himself only free to every department of the Exhibition during the Show. Life Members admitted free.
- 5. Tickets of admission to those who are not members, 7½d. each time of admission. Carriages, including drivers 5s.; passengers to pay 7½d. each. Horsemen to pay 1s. 3d. each admission.
- 6. Every article exhibited for competition must be the growth, produce or manufacture of Canada, except Classes Y and Z. Live Stock for breeding must be the property of persons residing in Canada. All premiums for articles, except Stock, entered in competition, are to be awarded to the manufacturers or producers only.
- 7. Discretionary Premiums will be awarded for such articles as may be considered worthy by the Judges, although not enumerated in the list, and the Directors will determine the amount of premium.

- 8. In the absence of competition in any of t Classes, or if the Stock or Articles exhibited of inferior quality, the Judges will exercise the discretion as to the value of the premiums to recommend.
- 9. The Judges, Competitors, and Offices: the Association only will be permitted to enthe Show Grounds until 2 o'clock, P.M. of Wanesday, September 27, at which hour Membrail be admitted. Non-members will be a mitted on Thursday and Friday mornings at 8 o'clock.
- 10. No Articles or Stock exhibited will: allowed to be removed from the grounds tillt awards are made, or without the permission: the President, under the penalty of losing the premiums. An Auctioneer will be on the spafter the premiums are announced, and expacility afforded for the transaction of business.
- 11. Delegates, Judges, and Members of the Press, are requested and expected to reput themselves at the Secretary's Office immediate on their arrival.
- 12. The Judges to meet at the Secretary Office on the Grounds, on *Wednesday morning* at 9 o'clock precisely, to make arrangements on entering immediately upon their duties.
- 13. It being essential to the satisfactory weighting of the Exhibition that all articles be enter and forwarded in reasonable time, all such: arrive on Wednesday morning, and not proviously entered, will be charged an entrance of 5s. each. All entries will positively close to Wednesday at 9 o'clock. Articles arriving after wards will be admitted into the Show Ground but they will be entitled to compete only: Discretionary Premiums.
- 14. Arrangements will be made for Agrici tural Lectures or Discussions during the evening of Wednesday and Thursday of the Show were
- 15. The Treasurer will be prepared to a mence paying the premiums immediately at the successful competitors have been declare and parties who shall have prizes awarded the are particularly requested to apply for them to fore leaving London, or leave a written order at some person to receive them—stating the articler which prizes are claimed.

The Local Committee will make arrangemer with Steamboat and Railway proprietors for a Show at reduced rates; also with the Hotel Boarding House keepers for accommodality visitors at their ordinary fixed charges. Francticulars will be published hereafter.

PRIZE LIST.			5 Best Bull Calf (under one year)	4 (
			2d do	2 10 1 10
HORSES.			3d do 4d do	1 1
CLASS A BLOOD HORSES.			6 Best Cow	5 (
1 Best thorough bred Stallion	£7	10	2d do	3 (
2d do`	5	0	3d do 4th do	2 (
3d do	2		7 Best 3 years old Cow	4
2 Best thorough bred 3 year old Stallion 2d do	5 3	0	2d do	2 10
3d do		10	3d do	1 10
3 Best thorough bred 3 year old Filly	4	0	4th do 8 Best 2 years old Heifer	3 (
2d do -		10	2d do	2 (
3d do 4 Best thorough bred 2 year old Filly	1 3	10	3d do	1 5
2d do	2	ŏ	4th do	0 19 2 10
3d do	1	0	9 Best 1 year old Heifer 2d do	1 10
5 Best thorough bied Mare and Foal 2d do	5	0	3d do	1 (
3d do	3 1	0	4 h do	0 10
Pedigree to be produced.	•	Ū	IO Best Heifer Calf (under I year)	1 10
			2d do 3d do	0 10
CLASS B.—AGRICULTURAL HORSES.	•		4th do	0 5
I Best Stallion for Agricultural purposes	£7	10		
2d do		0	N.B.—A Certificate of Hend Book Ped	
3d do 2 B-st Heavy Draught Stallion	7		be required of all animals in the Dur	
2d do	5	0	The Pedigrees of others should be	as full and
31 do	2	10	correct as possible.	
3 Best 3 year old Stallion	5	0		
2ત do 3ત do	3	0		
4 Best 2 year old Stallion	3	ŏ	CLASS D DEVONS.	
2d do	2	0	* Deat Date	C10 0
3d do 5 Best 3 year old Filly	1	0	1 Best Bull 2d do	£10 0
2d do	2		3d do	4 (
3d do	1	iŏ	4th do	2 (
6 Best 2 year old Filly	3	0	2 Best 3 years old Bull 2d do	8 (5 (
2d do 3d do	2 1	0	3d do	3 (
7 Best span Matched Carriage Horses	4	ŏ	4th do	1 10
2d do	3	0	3 Best 2 years old Bull	6 (
3d do 8 Best Span of Draught Horses		10	2d do 3d do	4 (2 5
2d do	4 3	0	4th do	1 5
3d do	1		4 Best I year old Bull	5 (
9 Best Brood Mare and Foal, or evidence the			2d do 3ત do	3 (
the foat has been lost 2d do	5 3	0	4th do	2 (
3d do		ıŏ	5 Best Bull Calf (under one year)	4 (
10 Best Saddle Horse	2	0	2d do !	2 10
2d do 3d do,	1 1	10	3d do 4th do	1 10 13
ou uo,		١	6 Best Cow	5 (
CATTLE.		- 1	2d do	3 (
CLASS C DURHAMS.		- 1	3d do 4th do	2 0 3 5
I Best Bull	10	0	7 Best 3 year old Cow	4 (
2d do	G	0	2d do	2 10
3d do		0	3d do	1 10
4th do 2 Best 3 years old Bull	2 8	0	4th do 8 Best 2 years old Heifer	1 G 3 G
2d do	5	ŏ	2d do	2 0
3d do	3	0	3d do	1 5
4th do 3 Best 2 years old Bull	6	10	4th do 9 Best I year old Heifer	15 2 10
2d do	4	ŏ	2d do	1 10
3d do	2	5	3d do	1 0
4:h do	i	5	4th do	10
4 Best 1 year old Bull 2d do	5 3	0	10 Best Heifer Calf (under one year) 2d do	1 10
3d do	2	0	3d do	10
Alb do	2	0 1	4th do	5

		-		
CLASS E HEREFORDS.		- 1	7 Best 3 years old Cow	4 0
1 Best Bull	£10	0	2d do	2 10
2d do	6	ŏ	3·l do 4th do	1 10 1 0
3d do	4	0	8 Best 2 years old Heifer	3 0
4th do	2	0	2d do	2 0
2 Best 3 year old Bull 2d do	8 5	0	3d do	1 5
3d do	3	ő	4th do 9 Best 1 year old Heifer	15 2 10
4th do	1	10	2d do	1 10
3 Best 2 years old Bull	6	0	3d do	1 0
2d do 3d do	4 2	0	4th do	10
4th do	ĩ	5	10 Best Heifer Calf (under 1 year) 2d do	1 10 1 0
4 Best 1 year old Bull	5	0	3d do	10
2d do	3	0	4th do	5
3d do 4th do	$\frac{2}{1}$	0		_
5 Best Bull Calf (under 1 year)	4	0	DIPLOMAS will be awarded to the Breeders	
2d do	2	10	porters of Bulls and Stallions which take	
3a do		10	Prizes, when their names and residen	ces are
4th do 6 Best Cow	0 5	15	given.	
2d do	3	ŏ	The Judges shall ascertain, in deciding	on Bull
3d do	2	0	Calves in any of the foregoing classes	
4th do	1	5	the animal has been suckled or raised	
[7 Best 3 years old Cow 2d do	4	10	and make allowance accordingly.	~. p
3d do		10	and made anomalice accordingly.	
4th do	ī	0		
8 Best 2 years old Heifer	3	0	CLASS G.—GRADE CATTLE.	
2d do 3d do	, 2	0 5	1 Best Cow	£5 0
4th do	•	10	2d do	3 0
9 Best 1 year old Heifer		10	3d do	2 0
2d do 3d do		10	4th do 2 Best 3 years old Cow	1 5 4 0
3d do 4th do	1	0 10	2d do	2 10
10 Best Heifer Calf (under 1 year)	1	10	3d do	1 10
2d do	1	0	4th do	1 0
3d do 4th do		10	3 Best 2 years old Heifer 2d do	3 0 2 0
4th do		5	3d do	ĩ š
For the Best Hereford Bull, of any age	not		4th do	15
exceeding 4 years, that has several ec			4 Best 1 year old Heifer	2 10
in the Province this season. Prize offe			2d do 3d do	1 0
by Baron de Longenil		0	4th do	10
		·	5 Best Heifer Calf (under one year)	1 10
class FAyrshires.			2d do 3d do	1 0 10
			4th do	5
1 Best Bull	£10		A certificate to be produced to show the I	breeding
žď đo 3d do	6 4			
4th do	$\overline{\hat{2}}$			
2 Best 3 years old Bull	8		CLASS H FAT AND WORKING CATTLE, ANY	BREED.
2d do .	5			
4th do	3	0 10		£7 10 5 0
3 Best 2 years old Bull	6			3 0
2d do	4		2 Best Cow or Heifer	7 10
3d do 4th do	2 1			5 0 3 0
4 Best 1 year old Bull	5			5 0
2d do	3	0		3 0
3d do	2			2 0
4th do 5 Best Bull Calf (under one year)	1 4			e,
2d do		10		10 0
3d <i>do</i>		10	•	
4th do		15		inks fit,
6 Rest Cow 2d do	5 3		in an older class than that to which they	
3d do	2		1 1 0 104 0 4 10 10 111 011 014	-
4th do	ĩ			-
			<u> </u>	

CNASS 1.—SHEEP.		2 Best Breeding Sow, 1 year and over	3 0
Leiceslers.		2d do 3d do	$\begin{array}{ccc} 2 & 0 \\ 1 & 0 \end{array}$
1 Best Ram, two shears and over	£4 9	3 Best Boar of 1854	3 0
2d do	2 10	2d do	2 0
3d do 2 Best shearling Ram	1 0 4	3d do 4 Best Sow of 1854	1 0 2 0
2 dest succerning Italia 2d do .	2 10	2d do	1 10
3d do	1 0	3d do	1 0
3 Best Ram Lamb 2d do	2 0	. Small Breed.	
3d do	10	5 Best Boar, 1 year and over	5 0
4 Best 2 Ewes, two shears and over	4 0	2d do 3d do	3 0 2 0
2d do 3d do	3 0 1 10	6 Best Breeding Sow, 1 year and over	3 0
5 Best 2 shearling Ewes	3 0	2d do ! 3d do	2 0
2d do	2 0	7 Best Boar of 1854	3 0
· 3d do · 6 Best 2 Ewe Lambs	1 0 1 10	2d do	2 0
2d do	i ŏ	31 do 8 Best Sow of 1854	$\begin{array}{ccc} 1 & 0 \\ 2 & 0 \end{array}$
3d do	10	2d do .	1 10
Southdowns.		3d do	1 0
7 Best Ram, 2 shears and over	4 0	In this class the precise age of the animal	l is to be
2d do 3d do	2 10 1 0	stated on the cards. With the view of encouraging the impor	tation of
8 B st shearling Ram	40	Improved Stock, double the amount of	
2d do 3d do	$\begin{array}{c}2\ 10\\1\ 0\end{array}$	offered in the list will be paid to the exhibito	
9 Best Ram Lamb	2 0	male animal which shall receive the first P	•
2d do	1 0	which shall have been imported since the	
3d do 10 Best 2 Ewes, two shears and over	10 4 0	vincial Exhibition.	
2d do	3 0		
3d do'l 11 Best 2 shearling Ewes	1 10	CLASS L.—POULTRY.	
2d do	3 0 2 0	1 Best pair of Dorkings	£1 0
3d do	1 0	2d do. 2 Best pair of Polands	10 1 0
12 Best 2 Ewe Lambs 24 do	1 10 1 0	2d do	10
3d do	10	3 Best pair Large Breed Fowls 2d do	1 0 0 10
Merinos and Saxons.		4 Best pair of Jersey Blues	1 0
13 Best Ram, two shears and over	4 0	2d do	0 10
2d do	2 10	5 Best Pair of Cochin China, Malay or Chittegong Fowls	1 0
3d do 14 Best shearling Ram	1 0 4 0	2d do	0 10
2d do	2 10	6 Best pair of Bantams 2d do	1 0 0 10
3d do 15 Best Ram Lamb	$\begin{array}{ccc} 1 & 0 \\ 2 & 0 \end{array}$	7 Best pair of Turkeys [White and Colore	
2·1 do	$\begin{array}{ccc} 2 & 0 \\ 1 & 0 \end{array}$	2d do	6 10
3d do	10	8 Best pair large Geese 2d do	1 0 A 10
16 Bast 2 Ewes, two shears and over	4 0 3 0	9 Best pair of Muscovy Ducks	1 0
3.i do	1 10	2d do 10 Best pair Common Ducks	0 10 1 0
17 Best 2 shearling Ewes	3 0	2d go	-0 10
2d do 3d do	2 0	11 Best pair of Guinea Fowls	1 0
18 Best 2 Ewe Lambs	1 10	do do la	0 10
2d do 3d do	1 0 10	2d do	ō 10
Fut Sheep.	10	13 Best lot of Poultry cwned by Exhibitor	2 0
19 Best two Fat Wethers	3 0	CLASS L.—AGRICULTURAL PRODUCTIO	NS.
2d do	3 0 2 0	The Canada Company's Prize of	£25 0
3d do	1 0	1. For the best 25 Bushels of Fall Wheat, the	
20 Best 2 Fut Ewes	3 0 2 0	produce of Canada West, being the growth	1
3d do	1 0	of the year 1854. The prize to be award ed to the actual grower only of the	- 1
CLASS J.—PIGS.		Wheat, which is to be given up to and	į
Large Breed.		become the property of this Association	
1 Best Boar, 1 year and over	£5 0	for distribution to the County Societies for seed.	٠.
2a do	3 0	2d do [by the Association]	10 0
3d do	2 0	l 3d do	5 0

	אמנע	AU	MICULIUMSI.
The winners of the 2d and 3rd premiums v	vill re-	24	Be-t bushel of Aberdeen Yellow Turnips
tain the wheat. Exhibitors in this cla	ss will		2d do
be required to state the nature of the soil	, mode		3d do
of preparation, time of sowing, amount		25	Best 20 roots Red Carrots
duce per acre, and the kind and quan			2d do
manure applied. Exhibitors in this cla			3d do
not be allowed to compete for premium	s offer-	26	Best 20 roots White or Belgian Carrots
ed for wheat consisting of two bushels.			2d do
2 Best 2 bushels of Winter Wheat	£2 10	A. P.	3d do
2d do	1 15	27	Best 12 roots Mangel Wurzel (Long-red)
3d do	1 5	İ	2d do
3 Best 2 bushels Spring Wheat	2 10		3d do
2d do	1 15	28	Best 12 roo:s Yellow Globe Mangel Wurzel
_3:! do _	1 5	1	2d do
4 Best 2 bushels Barley (2 rowed)	1 10		3d do
2d do	1 0	1	Best 12 roots of Khol Rabi
3ddo	0 10	. 20	2d do Post 12 rests of Sugar Root
5 Best 2 bushels (6 rowed)	1 10	30	Best 12 roots of Sugar Beet 2d do
2d do	1 0	Ì	2d do 3d do
3d do	0 10	101	
6 Best 2 bushels Rye	1 10	31	Best 20 roots of Parsnips 2d do
2d do	1 0	l	
3d do	0 10	20	2d do Best 20 roots of Chicory
7 Best 2 bushels of Oats (white)	1 10	132	
2d do	1 0	1	2d do 3d do
3d do	0 10	33	Best 4 large Squashes for Cattle
8 Best do (black)	1 10	33	2d do
2d do	1 0	1	3d do
3d do	0 10	34	Best 20 lbs. Tobacco, growth of Canada West
9 Best 2 bushels of Field Peas	1 10	3.	2d do
2d do ,	1 0	25	Best Broom Corn Brush, 28 lbs.
3d do	0 10	130	2d do
0 Best 2 bushels of Marrowfat Peas	1 10	l	3d do
2d do	1 0	36	Best 2 Pumpkins (yellow field)
3d do	0 10	30	2d do
11 Best 2 bushels Indian Corn in the ear (whit		1	3d do
2d do	1 0	27	
3d do	0 10	3.	Best Peck of White Field Beans 2d do
12 Best 2 do (yellow)	1 10	1	3d do
2d do	1 0	}	3a uo
3d do	0 10	1	The Canada Company's Prize for Flax.
3 Best bushel of Timothy Seed	2 0	38	Best 112 lbs. of Flax f
2d do	1 10	100	2d do (by the Association)
3d do	1 0	1	3d do
4 Best bushel of Clover Seed	2 0	1	54 uo
2d do	1 10	1	The Canada Company's Frize for Hemp.
3d do	1 0	100	Dest 220 11 CIY
15 Best Bushel Hemp Seed	1 10	39	Best 112 lbs. of Hemp
2d do	1 0	1	2d do (by the Association)
3d do	0 10	1	3d do
16 Best bushel Flax Seed	1 10	Th	e roots in the above class to be of field, not g
2d do	1 0		culture.
3d do	0 10	i	•======================================
17 Best bushel Mustard Seed 2d do	1 0	1	
	0 15	1	CLASS M.—HORTICULTURAL PRODUCTS.
		1	
3d do	0 10	7 4	Test 90 variation of Apples named (six
3d do 18 Best Swedish Turnip Seed, from transpla	nt-		Fest 20 varieties of Apples, named (six
3d do 18 Best Swedish Turnip Seed, from transpla ed bulbs, not less than 20 lbs.	nt- 1 10	1	of each) £0
3d do 18 Best Swedish Turnip Seed, from transpla ed bulbs, not less than 20 lbs. 2d do	nt- 1 10 1 0		of each) £0
3d do 18 Best Swedish Turnip Seed, from transpla ed bulbs, not less than 20 lbs. 2d do 3d do	nt- 1 10 1 0 0 10		of each) £0 2d do 2d do
3d do 18 Best Swedish Turnip Seed, from transpla ed bulbs, not less than 20 lbs. 2d do 3d do 19 Best bale of Hops, not less than 112 lbs.	nt- 1 10 1 0 0 10	2	of each) £0 2d do 2d do 2d do Best 12 Table Apples, named (Fall sort)
3d do 18 Best Swedish Turnip Seed, from transpla ed bulbs, not less than 20 lbs. 2d do 3d do 19 Best bale of Hops, not less than 112 lbs. 2d do	1 10 1 0 0 10 5 0 3 0	2	of each) £0 2d do 2d do Best 12 Table Apples, named (Fall sort) 2d do
3d do 18 Best Swedish Turnip Seed, from transpla ed bulbs, not less than 20 lbs. 2d do 3d do 19 Best bale of Hops, not less than 112 lbs. 2d do 3d do	1 10 1 0 0 10 5 0 3 0 2 0	2	of each) £0 2d do 2d do Best 12 Table Apples, named (Fall sort) 2d do 3d do
3d do 18 Best Swedish Turnip Seed, from transpla ed bulbs, not less than 20 lbs. 2d do 3d do 19 Best bale of Hops, not less than 112 lbs. 2d do 3d do 3d do 80 Best Busbel Pinkeye Potatoes	1 10 1 0 0 10 5 0 3 0 2 0 0 15	2	of each) £0 2d do 2d do Best 12 Table Apples, named (Fall sort) 2d do 3d do Best 12 Table Apples, named (Winter sort)
3d do 18 Best Swedish Turnip Seed, from transpla ed bulbs, not less than 20 lbs. 2d do 3d do 19 Best bale of Hops, not less than 112 lbs. 2d do 3d do 3d do 3d Best Bushel Pinkeye Potatoes 2d do	1 10 1 0 0 10 5 0 3 0 2 0 0 15 0 10	2	of each) £0 2d do 2d do Best 12 Table Apples, named (Fall sort) 2d do 3d do Best 12 Table Apples, named (Winter sort) 2d do
3d do 18 Best Swedish Turnip Seed, from transpla ed bulbs, not less than 20 lbs. 2d do 3d do 19 Best bale of Hops, not less than 112 lbs. 2d do 3d do 20 Best Bushel Pinkeye Potatoes 2d do 3d do 3d do	1 10 1 0 0 10 5 0 3 0 2 0 0 15 0 10 0 5	2	of each) £0 2d do 2d do Best 12 Table Apples, named (Fall sort) 2d do 3d do Best 12 Table Apples, named (Winter sort) 2d do 3d do 3d do 3d do 3d do
3d do 18 Best Swedish Turnip Seed, from transpla ed bulbs, not less than 20 lbs. 2d do 3d do 19 Best bale of Hops, not less than 112 lbs. 2d do 3d do 20 Best Busbel Pinkeye Potatoes 2d do 3d do 21 Best busbel of any other sort	1 10 1 0 0 10 5 0 3 0 2 0 0 15 0 10 0 5 0 15	2 3 4	of each) 2d do 2d do Best 12 Table Apples, named (Fall sort) 2d do 3d do Best 12 Table Apples, named (Winter sort) 2d do 3d do Best 12 Table Apples, named (Winter sort) 2d do 3d do Best 12 Baking Apples, named
3d do 18 Best Swedish Turnip Seed, from transpla ed bulbs, not less than 20 lbs. 2d do 3d do 19 Best bale of Hops, not less than 112 lbs. 2d do 3d do 20 Best Busbel Pinkeye Potatoes 2d do 3d do 21 Best busbel of any other sort 2d do	1 10 1 0 0 10 5 0 3 0 2 0 0 15 0 10 0 5 0 15	3 4	of each) 2d do 2d do Best 12 Table Apples, named (Fall sort) 2d do 3d do Best 12 Table Apples, named (Winter sort) 2d do 3d do Best 12 Baking Apples, named
3d do 18 Best Swedish Turnip Seed, from transpla ed bulbs, not less than 20 lbs. 2d do 3d do 19 Best bale of Hops, not less than 112 lbs. 2d do 3d do 20 Best Bushel Pinkeye Potatoes 2d do 3d do 20 Best Bushel of any other sort 2d do 3d do	1 10 1 0 0 10 5 0 3 0 2 0 0 15 0 10 0 5 0 15	3 4	of each) 2d do 2d do Best 12 Table Apples, named (Fall sort) 2d do 3d do Best 12 Table Apples, named (Winter sort) 2d do 3d do Best 12 Baking Apples, named 2d do 3d do Best 12 Baking Apples, named
3d do 18 Best Swedish Turnip Seed, from transpla ed bulbs, not less than 20 lbs. 2d do 3d do 19 Best bale of Hops, not less than 112 lbs. 2d do 3d do 20 Best Bushel Pinkeye Potatoes 2d do 3d do 21 Best bushel of any other sort 2d do 3d do 22 Best bushel Swede Turnips	1 10 1 0 10 5 0 10 5 0 0 2 0 0 15 0 10 0 0 5 0 15	2 3 4 5	of each) 2d do 2d do Best 12 Table Apples, named (Fall sort) 2d do 3d do Best 12 Table Apples, named (Winter sort) 2d do 3d do Best 12 Baking Apples, named 2d do 3d do Best 12 Baking Apples, named 2d do 3d do Best 20 variety of Pears, named (3 of each)
3d do 18 Best Swedish Turnip Seed, from transpla ed bulbs, not less than 20 lbs. 2d do 3d do 19 Best bale of Hops, not less than 112 lbs. 2d do 3d do 20 Best Bushel Pinkeye Potatoes 2d do 3d do 21 Best bushel of any other sort 2d do 3d do 22 Best bushel Swede Turnips 2d do	1 10 1 0 0 10 5 0 3 0 0 15 0 10 0 5 0 15 0 15 0 10	3 4 5	of each) 2d do 2d do Best 12 Table Apples, named (Fall sort) 2d do 3d do Best 12 Table Apples, named (Winter sort) 2d do 3d do Best 12 Baking Apples, named 2d do 3d do Best 12 Baking Apples, named 2d do 3d do Best 20 variety of Pears, named (3 of each) 2d do
3d do 18 Best Swedish Turnip Seed, from transpla ed bulbs, not less than 20 lbs. 2d do 3d do 19 Best bale of Hops, not less than 112 lbs. 2d do 3d do 20 Best Bushel Pinkeye Potatoes 2d do 3d do 21 Best bushel of any other sort 2d do 3d do 22 Best bushel Swede Turnips 2d do 3d do	1 10 1 0 0 10 5 0 3 0 0 2 0 0 15 0 10 0 5 0 10 0 5 0 10 0 5 0 10 0 5 0 10	2 3 4 5	of each) 2d do 2d do Best 12 Table Apples, named (Fall sort) 2d do 3d do Best 12 Table Apples, named (Winter sort) 2d do 3d do Best 12 Baking Apples, named 2d do 3d do Best 12 Wariety of Pears, named (3 of each) 2d do 3d do 3d do
3d do 18 Best Swedish Turnip Seed, from transpla ed bulbs, not less than 20 lbs. 2d do 3d do 19 Best bale of Hops, not less than 112 lbs. 2d do 3d do 20 Best Bushel Pinkeye Potatoes 2d do 3d do 21 Best bushel of any other sort 2d do 3d do 22 Best bushel Swede Turnips 2d do	1 10 1 0 0 10 5 0 3 0 0 15 0 10 0 5 0 15 0 15 0 10	2 3 4 5 6	of each) 2d do 2d do Best 12 Table Apples, named (Fall sort) 2d do 3d do Best 12 Table Apples, named (Winter sort) 2d do 3d do Best 12 Baking Apples, named 2d do 3d do Best 12 Baking Apples, named 2d do 3d do Best 20 variety of Pears, named (3 of each) 2d do

Α	GRI	JU1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1	- 11
7 Best 12 Table Pears, named (Winter sort) 2d do	10	0	31 Best 4 sorts Winter Cubbage, including Savoys	15	= 0
3d do	5	ŏ.	2d do	10	ŏ
8 Brst dozen Plums (Dessert) named 2d do	10 7	6	3d do 32 Best 12 Barrots for Table	5 10	0
3d do	5	ŏ	2d do	7	6
9 Best 12 baking Plums, named 2d do	10 7	0 6	3d do	5	ő
2d do 3d do	5	0	33 Best 12 early Horn Carrots 2d do	10	6
10 Best quart of Damsons (English)	10	0	3d do	5	0
2d do 3d do	7 5	6	34 Best 12 roots of White Celery 2d do	10 7	6
11 Best 12 Peaches, grown in hot house,	10	0	3d do	5	0
2d do 3a do	7 5	6	35 Best 12 roots of Red Celery 2d do	10	6
12 Eest 12 Peaches grown in open air, named	1 10	0	3d do	5	0
2d do 3d do	7	6	36 Best dozen Capsicums 2d do	30 7	6
13 Best 20 varieties of Peaches grown in ope	n		3d do	5	0
air (3 of each) 2d do	15 10	0	37 Best collection Capsicums 2d do	10 7	6
3d do	5	0	3d do	5	0
14 B-st 12 Quinces 2d do	10	6	38 Best 6 Egg Plants, purple	10 7	0 6
3d do	5	0	2d do 3d do	5	0
15 Best 4 clusters of Grapes (hot house)	10	0	39 Best 12 Blood Beets	10	6
3d do	7 5	6	2d do 3d do	7 5	0
16 Best 4 clusters Black Hamburgh (hot house 2d do		0	40 Best Peck of White Onions	10	0
2d do 3d do	7 5	6	2d do 3d do	7 5	6
17 Best 4 c'usters Black Grapes, grown in			41 Best Peck of Yellow Onions	10	0
open air 2d do	10 7	6	2d do 3d do	7 5	6
3d do	5	0	42 Best Peck of Red Onions	10	0
18 Best 4 clusters white Grapes grown in open air	10	0	2d do 3d do	7 5	6
2d do	7	6	43 Best 12 White Turnips, Table	10	0
3.1 do 19 Best 4 clusters Grapes, of any others sorts	5 10	0	2d do 2d do	7 5	6
2d do	7	6	44 Best Peck of Early Potatoes for seed	10	ŏ
20 Best and heaviest 2 bunches of Grapes	5 10	0	2d do 3d do	7 5	6
20 do	7	6	45 Best and greatest variety of Early Potatoes		0
3d do 21 Best collection of Grapes, grown in open ai	. 15	0	2d do	10	0
. 2 a do	10	0	3d do 46 Best 4 Squashes, Table	5 10	0
3d do 23 Best Water Melon	5	0	2d do	7	6
2d do	10 7	6	3d do 47 Best and greatest variety of Vegetables	5 10	0
3.1 do 23 Best Musk Melon of any sort	5	0	2d do	7	6
1 20 do	10 7	6	3d · do 48 Best dozen Dahlias, named	5 10	0
3d do 24 Best 12 Tomatoes	5	0	2d do	7	6
2d do	10 7	6	3d do 49 Best and largest and collection of Dahlias 1	5 0	0
34 do	_5	0	2d dō	10	0
25 Best assorted collection of Tomatoes 2d do	15 10	0	3d do 50 Best Bouquet of Cut Flowers	7 10	6
3d do	5	0	2d do	7	6
26 B-st 12 roots of Salsify 2d do	10 7	6	3d do 51 Best Bouquet for Table	5 10	0
1 3d do	5	0	2d do	7	6
7 Best 4 heads Brocoli 2d do	10 7	6	3d do 52 Best collection of Green House Plants,	5	0
3d do	5	ŏ	not less than twelve specimens 1	0	0
B st 4 heads Cauliflower	10 7	6	2d do 3d do	15 10	0
3d do	5	0	53 Best and greatest variety of Green House		
Best 4 heads Cabbage (Summer)	10	0	Plants 1	0 10	0
3d do	7 5	6	2d do 3d do	7	6
Best 4 heads Cabbage (Winter)	10	0	54 Best collection of Annuals in bloom	10	0 6
3d do	7 5	6		7 5	Ö

118 THE CANADIAN	AGRICULTURIST.
EE Dank & Community	A Bust pair of Harrans
55 Best 6 Coxcombs 10 2d do 7	0 4 Best pair of Harrows 1 10 6 2d do 1 0
3d do 9 5	0 3d do 0 10
56 Best Floral Ornament or Design 1 0	0 5 B st Fanning Mill 1 10
2d .,5 15	0 2d do 10
3d do 10	0 3d do (1)
57 Best collection of Verbenas, not less than	6 Best horse-power Thrasher and Separator 5 0
12 varieties 15 2d do 10	0 2d do 3 0 0 3d do 2 0
3d do 5	0 7 Bost Grain Drill 3 0
58 Best collection of Native Plants, dried	2d de 20
and named 1 10	0 3d do 10
2d do 1 0	0 8 Best Seed Drill or Barrow 1 0
3d do 10	0 2d do 0 15 3d do 0 10
CLASS N.—DAIRY PRODUCTS, SUGAR, &C.	9 Best Straw Cutter 1 0
•	1 94 45 015
1 Best Fickin of Butter, not less than 56 lbs. £2 2d do 1	10 30 00 0 W
	0 10 Best Smut Machine
	10 2d do U 15
2d do 1	10 11 Best Portable Grist Mill 3 0 2 0
	0 3d do 10
3 Best 2 Stilton Cheese, not less than 14 lbs each	19 Rost Crain Cracker
2d do 1	10 2d do 130
3j do 1	0 30 00 IV
The Cheese in both cases to be the make of 1854.	13 Best Corn and Cob Crusher 1 0 0 15
4 Best Butter, not less than 20 lbs., in Fir-	24 4. 0.10
The state of the s	10 14 Rust Machine for cutting Roots for Stock 1 10
2d do 1 3d do 0	10 2d do 10
	01 3d do Ui
2d do 0	10 23 33 40
3d do 0	9 34 40 010
6 Best 30 lbs. Beet Root Sugar 1 2d do 0	0 16 Best Clover Cleaning Machine 3 0
2d do 0 3d do 0	10 2d do 20
	15 30 00
	10 17 Best two-horse Waggon 3 0 2 c
3d do 0	5 34 40
	15 18 Best Horse Cart 1 N
3d do 0	5 20 00 1 1
	15 30 00
2d do 0	10 19 Best Horse Rake 1 C O II
	15 34 40 01
	10 15 20 Best Metal Roller 2 ll
	10 20 00
	15 21 Best wooden Roller
2d do . 0	2d do 11 0 22 Best Reaping Machine 51
3d do 0 13 Best 6 kinds of Preserves 0	2d do 3
	15 3d do 21
3d do 0	5 23 Best Slump Extractor
	10 20 00
2d do 1	0 24 Reat Mowing Machine 51
3d do 0	10 2d do
15 Best 20 lbs. Chicory, manufactured from roots grown in the Province this Season 1	0 3d do 2
	10 25 Best Polato Digger
	10 20 00
2d do 1	0 3d ho 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	2d do
CLASS O.—AGRICULTURAL IMPLEMENTS.	27 Best Farm Gate
1 Best Wooden Plough £2	
	10
	0 28 Best Cultivator 3
	10 3d do 1 ,
3d do 1	0 29 Best Machine for making Drain Tiles 2
	10 2d do 1
2d do 1 3d do 1	10 30 Dese Ditck-itaking machine
vu uo i	01 2d do

	GRICU	JLTURE.	179
21 Part half-dozen Hay Rakes	0 10	17 Be-t Specimen Bootmaker's Work	0 15
31 Best half-dozen Hay Rakes 2d do	0 7	2d do	0 10
3d do	05	3d do	0 5
32 Best half-dozen Manure Forks 2d do	0 15 0 10		
31 90	0 5	CLASS Q.—MANUFACTURES IN METALS, &	.c.
23 Best half-dozen Hay Forks	0 15	1 Cest Portable Steam Engine (open to foreign competition) Diploma and	£5 0
2d do 3d do	0 10	2 Best Model in metal of Engine, gereral	.5 0
34 Best half-dozen Scythe Snaiths	0 15	millwright'e work or machinery, Dip. and	2 0,
24 do	G 10	2d do 3 Best specimen of Silversmith's work, Dip.	1 0
3d do 35 Best Ox Yoke and Bows	0 5 0 15	and	2 0
2d do	0 10	4 " Do Ornamental Iron-work from the	
36 B-st Grain Cradle	0 10	hammer, Diploma and 5 " Do Cast Unamental Iron-work,	1 10
2d do 37 Best half-hozon Grain Shovels, wood	0 5	Diploma and	1 10
2d do	0 10	6 " Do Coppersmith's work, Dip. and	1 0
3d do 33 B s: half-dozen Iron Shovels	0 5 0 15	7 " Do Locksmith's work, Dip. and 8 " Do Pumpmaker's work, Dip. and	1 0
2d do	0 10	9 Best Iron Fire-proof Vault Door (price	
3d do	0 5	considered) Dip. and	2 0
39 Best half-dozen Spades 2d do	0 15 0 10	10 Best Iron Fire-proof Safe, (price considered) Dip. and	1 10
3d do	0 5	11 Best Refrigerator (price considered,) Dip.	
The names of Exhibitors and Prices of Impl	ements	and In Post U.II Store	1 0
to be inserted on the Cards.		12 Best Hall Stove	0 10
CLASS P DOMESTIC MANUFACTURES	,	3d do	0 5
Leather and Furs.	•	13 Best Parlor Stove	1 0
1 Best Saddle and Bridle	£1 0	3d do	0 5
2d do	0 15	14 Best Cooking Stove, with Furniture	1 10
2 Best Side Saddle 2d do	1 0	2d do 3d do	0 10
2d do 3 Bes' specimen of Whips and Whip Thongs	0 15	15 Best system of Ventilating buildings, with	
(collection assorted)	1 10	model and description, and reducing the	5 0
2d do 4 Best 3 Hogskins	0 15	same to practical use, Diploma and	2 10
2d do	0 10	[The Judges on Stoves are especially reques	ted to
5 Best set of Farm Harness 2do do	1 10	pay particular attention to the ventilation	
2do do 3d do	1 ()	may be secured by the stoves on Exhibition	.]
6 Best set of Pleasure Harness	1 10	16 Best specimen of Iron Casting for Stoves	
2d do 3d do	0 10	and general Machinery, Diploma. 17 Best Balance Scales	1 0
7 Best Travelling Trunk	J 10	2d do	0 15
2d do	0 15	3d do	0 5
3d do 8 Best Side of Sole Leather	0 5 0 15	18 Best Model Hot Air Apparatus 2d do	1 10 0 15
2d do	0 10	19 B st Steaming Apparatus for Feeding Stock	1 10
3d do	0 5	2d do	0 15 0 15
9 Best side of Upper Leather 2d do	0 15 0 10	20 Best set of Cooper's Tools 2d do	0 10
, 3d do	0 5	21 Best set of Bench Planes	0 15
10 Best Skirting Leather 24 do	0 15 0 10	2d do	0 10
3d do	0 5	22 Best pair of Hames 2d do	0 5
11 Best side of Harness Leather	0 15	23 Best Saddle tree	0 10
2d do 3d do	0 10 0 5	2d do 24 Best Weaver's Reeds	0 5
2 Best Calf Skin, Dressed	0 15	2d do	o 5
2d do	0 10	25 Best Augurs from 1 to 2 inches	0 10 0 5
Best Skin of Leather for Carriage Covers	0 5	2d do 26 Best Earth Augur	0 10
i Zu do	0 10	i 5d do	0 5
⁴ Best Fur Hat ^{2d} do	0 15	27 Best specimen 20 lbs. Cut Nails 2d do	0 10 0 5
3.1 00	0 10 0 5	28 Rest Blacksmith's Bellows	15
Best Fur Cap	0 15	2d do	0 15
2d do 3d do	0 10	29 Best Rifle 2d do	0.15
6 Best Fur Sleigh Robo	0 15	30 Best half-dozen Narrow Axes	0 15
44 00	0 10		0 10 0 5
3d do	0 5	l 3d do	<i>y y</i>

31 Bost set of Horse Shoes 0 15	26 Eest Spinning Wheel 0 10
2d do 0 10 3d do 0 5	2d do 0 5 5 15 27 Best dozen Wheel Heads 0 15
32 Best half-dozen Grass Scythes 0 15	2d do 0 10 28 Best Churn 0 15
2d do 0 10 3d do 0 5	28 Best Churn 0 15 2d do 0 10
33 Best half-dozen Cradle Scythes 0 15	29 Best 4 or 6 Pannelled Dcor 0 15
2d do 010 3d do 95	2d do 0 10 10 10 10 10 10 10 10 10 10 10 10 1
31 Best assertment of Edge Tools, Diploma & 5 0	30 Best Window Sash, 12 lights, hung in frame 0 15
-	2d do 0 10 10 13 1 Best Model Bechive 0 10
class R.—cabinet ware, carriages, &c.	2d do 0 5
1 Best Side Board, Diploma and £3 0	32 Best bundle of Shingles, sawed, 0 10 2d do 0 5
2d do 2 0 3d do 1 0	33 Best do do split, 0 10
2 Best Veneers from Canadian Wood, Dip. & 1 0	3d do 0 5
2d do 0 15 3d do 0 10	CLASS S.—POTTERY.
3 Best specimen of Sawed Pire 0 10	1 Best specimen of Pottery £1 0;
4 do Black Walnut 0 10 5 do Oak 0 10	2d do 0 15 '
6 do Curled Maple 0 16	3d do 0 10 2 Best specimen Draining Tile 2 10
In planks not less than six feet long, twelve inches	2d do 13
wide and two inches thick, one side plain [not var-	3d do 0 10 3 Best dozen Bricks 0 10
nished,] the other rough.	2d do 0 5
7 Best specimen of Graining Wood, Dip. & 1 10	4 Best Walter Filter 0 15 2d do 0 5
2d do '1 0 3d do 0 10	20 00
8 Centre Table, Diploma and 1 0	CLASS TWOOLLEN AND FLAX GOODS.
2d do 0 15	1 Best piece of no less than 12 yards of Woollen Carnet £2 0
3d do 0 10 9 Best Dining Table, Diploma and 1 0	Woollen Carpet £2 0 1 0
2d do 0 15	3d do 0 10
3d do 0 10 10 Best Easy Arm Chair 0 15	2 Best 12 yards, or over, Oil Cloth, 1 0 0 10
2d do 0 10	3d do 0 5
3d do 0 5 11 Best Sofa, Diploma and 3 0	3 Best pair Woollen Blankets 2 0 1 0 1 0
2d do 1 10	3d do 010
3d do 1 0 12 Best 6 Dining Room Chairs 1 10	4 Best Counterpane,
2d do 1 0	3d do 019
3d do 0 15 13 Best Ottoman 1 0	5 Best piece 12 yards Flannel, 1 f
13 Best Ottoman 1 0 2d do 0 15	1 3d do
3d do 0 10	6 Best piece of Satinet, 12 yards
14 Best Work Box 0 10 2d do 0 5	3d do 01
I5 Best Writing Desk 0 10	7 Best piece Broad Cloth, from Canadian wool 2
2d do 0 5 16 Best 1 House Pleasure Carriage, Diploma & 2 0	2d do 11
2d do 1 10	8 Best piece Flannel, 10 yards, not Factory
3d do 0 15 17 Best 2 Horse Pleasure Carriage, Diploma & 2 0	2d do 0 11
2d do 1 10	3d do 01
3d do- 1 0 18 Best half-dozen Corn Brooms 0 10	9 Best piece Winter Tweed, 12 yards,
2d do 0 5	3d do 011
19 Best half-dozen Broom Handles, turned, 0 10 2d do 0 5	10 Best piece Fulled Cloth, 10 yards, not factory made,
20 Best Specimen of Willow Ware 0 10	2d do 11
2d do 0 5	3d do 03
21 Best dozen flour barrels 1 0 2d do 0 10	2d do
22 Best Wooden Pail 6 0 5	3d do 01.2
2d do £0 3 9 23 Best Wash Tub 0 7 6	2d do
2d do 0 5	3d do 0
24 Best Washing Machine 0 10 2d do 0 5	13 Best samples of Flax or Hemp Cordage, not less than 28lbs.
25 Best Board Rule 0 10	2d do 0
2d do 0 5] 3d do

14 Best 12 Linen Bags, manufactured from		•		10	0
Flax, growth of Canada, 2d do	1	. 0 15		7	6 0
3d do	0	10			
***			Oil.		
CLASO U.—LADIES' DEPARTMENT.			Professional Av	nate	,,,
1 Best specimen of Crochet Work £	1 0 15		1	Lis	
3d do	10		1 Historical painting, Canadian sub-		
2 Best specimen of Fancy Netting	15 10			£2 2	10 0
3j do	7		2 Landscape, Canadian subject, Di-	~	۰
3 Best specimen of Fancy Knitting	15		ploma and 3 0	2	
2d do 3d do	10	$_{76}^{0}$	2d best 2 10 3 Animals [grouped or single] Di-	,	ΙU
4 Best Embroidery, in Muslin,	15	0	ploma and 3 0	2	
2d do 3d do	10 7		2d best 2 0 4 Portrait—Diploma and 2 10	2	10
5 Best Embroidery, in Silk,	15	0	2d best 1 10	ī	Õ
2d do 3d do	10		In Water Colors.		
6 Best Embroidery, in Worsted,	15		5 Landscape, Canadian subject, Diploma and 2 10	2	0
2d do	10		2d best 1 10	1	0
8d do 7 Best specimen of Worsted Work	7 15		6 Portrait, Diploma and 2 0 2d best 1 0	1 1	01 0
2d do	10		7 Animals, [grouped or single] Di-	•	Ŭ
3.1 do 8 Best specimen of Raised Worsted Work	7 15	6	ploma and 2 10 2d best 1 10	$\frac{2}{1}$	0
2d do	10	0	8 Ministure, Diploma and 2 0	iı	-
3d do 9 Best specimen of Ornamental Needle Wor	7 k 15	6 0	2d best 1 10	1	0
2d do	10	0	9 Flowers, Diploma and 1 10 2d best 1 0	0 1	0 15
3d do 10 Best specimen of Quilts, in Crochet,	5 10	0	Pencil and Crayon.		
2d do	15	ŏ	10 Pencil Portrait, Diploma and 1 10	1	0
3d do 11 Ditto in Knitting	10 1 0	0	2d best 1 0 11 Crayon Portrait, Diploma and 1 10	0 1	15 0
3d do	15	0	2d best 1 0		15
3d do 12 Ditto in Silk	10	9	12 Pencil Drawing, Diploma and 1 10 2d best 1 0	1 0 1	0
2d do	l 0 15	0	2d best 1 0 13 Crayon Drawing, Diploma and 1 10	1	0
3d do	10	0	2d best I 0	0 1	5
13 Best Piece-Work Quilt 2d do	l 0 15	0	14 Colored Grayon, Diploma and 1 10 2d best 1 0	ó ı	-
3d do	7.0	0	15 Best specimen of Colored Geometrical draw-		
14 Best specimen in Tatting 2d do	15 10	0	ing of Engine or Millwright work. Diplo- ma and	2	0
2d do	7	6	16 Daguerreotype, best collection, the Exhibitor		
15 Best specimen of Braiding 2d do	15 10	0	to have operated in Canada for the last 12 months, Diploma and	1 1	0
3d do	7	6	2d best		ò
16 Best specimen of Wax Fruit, 2d do	15 10	0		1 1 1	0
3d do	5	ŏ	18 Wood Engraving, Diploma and	1 1	_
17 Best specimen of Wax Flowers 2d do	15 10	0	2d best 19 Engraving on Copper, Diploma and	11	0
3d do	5	ŏ	2d best	1	0
18 Best Pair Woollen Socks 2d do	10 7	6		1 1 1	0
3d ćo	5	0.	21 Best specimen of Seal Engraving, Diploma	_	
19 Best Pair Woollen Stockings 2d do	10 7	0	and 22 Do do Carving in Wood, Diplo-	2	0
3d do	5	6	ma and	2	0
20 Best specimen of Gentlemen's shirts	15	0	23 Do do do Stone, Diplo-	2	0
3.1 do	10 5	0	ma and 24 Do do Modelling 'n Plaster, Di-		,
21 Best Pair of Woollen Mittens	10	0	ploma and	2 (0
2d do 3d do	7 5	6	25 Do do Ornamental Turning, Di- ploma and	1 /	0
22 Best Pair of Woollen Gloves	10	0	26 Ornamental Writing, Diploma and	1 (0
2d do 3d do	7 5	6		0 10 1, 0	
23 Best Hat of Canadian Straw,	10	0	2d best	0 1	0
2d do	7	6 5		1 (0 1	
uv	v	J		J 1	•

29 Picture Frame, venected 1		4 Best Ayrshire Cow, Diploma and 1	
2d do 0 1 30 Stucco Moulding 1	0	2d do 1 5 Best Hereford Bull, Diploma and 2	10
2d do 0 1 31 Stained Glass 1		2d do 2 6 Best Hereford Cow, Diploma and 1	
2d do 0 1		2d do 1	10
32 Dentistry, Diploma and 1 2d do 0	0		10 10
All articles exhibited by Ladies to be admitted fre		8 Best Devon Cow, Diploma and	10
All articles entitled to premiums must have been	n !	2d do 1 9 Best Stallion for Agricultural purposes,	10
executed since the last Exhibition of this Association	n.	Diploma and 3	0
	١,	2d do 3 10 Best Blood Stallion, Diploma and 3	
CLASS W.—INDIAN PRIZES.	- '	10 Best Blood Stallion, Diploma and 3 2d do 3	
1 Best Bark Canoe £1 1		11 Best Leicester Ram, Diploma and 1	
2d do 0 1 2 Best 4 Paddles 0 1		12 Best 2 Leicester Ewes, Diploma and	
2 Best 4 Paddles 0 1 2d do 0	5	2d do 1	
3 Best Indian Cradle 0 1	5	13 Best Southdown Ram, Diploma and 1 1 2d do 1	
2d do 4 Best pair of Snow Shoes, (common size) 0	0 1	14 Best 2 Southdown Ewes, Diploma and 1	10
2d do 0 1	ő l	2d do 1	
5 Best pair of Snow Shoes, (8 inches long) 0 1	٠,	15 Best Merino and Saxon Ram, Diploma and 1 2d do 1	
2d do 0 6 Best Tobacco Pouch worked with Porcupine	5 ا	16 Best 2 Merino or Saxon Ewes, Diploma and 1	ΙŌ
Quilis 0	5 .	2d do 1	
7 Best pipe of Peace 0 1	0	17 Best Boar 1 1 2d d.3	
2d do 0 1 8 Best Pipe of War 0 1	$\frac{0}{5}$ 1	18 Best Breeding Sow, Diploma and	
2d do 0 1	· ·	2d do 1	0
9 Best pair of Moccasins (plain) 0	5	**************************************	
2d do 0 10 Best pair Moccasins (worked with Porcu-	3	CLASS Z.—FOREIGN AGRICULTURAL IMPLEMENT	ς.
pine Quills) 0	7		
	5	1. Best Plough, Diploma and £1 2 " Subsoil Plough, Diploma and 1	
11 Best pair Mocassins (worked with Beads) 0	7	3 " Pair Harrows 1	
2d do 0 12 Best Fruit Basket 0		4 " Fanning M.II, Diploma and 1	0
2d do 0	5	5 " Horse Power Thiasher and Separa- tor, Diploma and 2 1	10
13 Best Clothes Basket 0	7	tor, Diploma and 2 1 6 " Seed Drill or Barrow, Diploma and 1	
	2	7 " Straw Cut'er 1	0
2d do 0	K	8 " Smut Machine 1	
All articles exhibited by Indians admitted free.		9 " Portable Grist Mill, Diploma and 2 1 10 " Grain Cracker 1 1	
		11 " Machine for cutting Roots for Stock 1	
CLASS X -BOOKBINDING, PAPER &C.		2 00.11	Ð
* 70	n,	13 " Clover Machine, Diploma and 2 14 " Reaping Machine, Diploma and 2	
2d do 0 1	۲! ۱	Troughing the miles and and	5
3d do 0 1 2 Best ream of Writing Paper 1	0 1	16 " Assortment of Agricultural Imple-	_
2.3 do 0 1		ments & Edge Tools, Diploma and 5	0
3d do 0 1			
	0	PREMIUMS FOR COUNTY REPORTS.	
2d do 0 1 3d do 0 1		The Board of Agriculture will award a premiu	m
4 Best specimen Letter-Press Printing, exe-	10	of the value of £15 for the best Report on the	16
cuted since last Exhibition 0.1	Λ I A	Variculture of each of the following Counties viz	.:

CLASS Y .- FOREIGN STOCK.

cuted since last Exhibition

do

do

do

2d

3d

Premiums for Stock and Implements belonging to persons residing out of Canada. Exhibitors of this class are admitted free of any charge.

1 Best Durham Buil over 5 years, Diploma		
and	£2	10
2d do	2	10
2 Best Durham Cow, Diploma and	1	10
2d do	1	11
3 Best Ayrshire Bull, Diploma and	2	10
2d do '	õ	10

PORTS.

d a premium of the value of £15 for the best Report on the 2 10 Agriculture of each of the following Counties, viz.: 1 10 Carleton, Welland, and Prince Edward. If such preport be written by the Secretary of the County Society, the premium will be increased to £20.

The Reports must be sent in to the Secretary of the Board of Agriculture, Toronto, accompanied by a scaled note containing the name and address of the writer, on or before the 1st of June, 1854.

SALE OF STOCK.

Parties attending the Exhibition having Stock to dispose of, can have entries made of the same in the Books of the Society, free of charge, by applying at the Secretary's Office, where those desirous of 2 10 becoming purchasers can inspect the list.

Communications.

ON THE MODERN SYSTEM OF DRAINAGE, AND ITS APPLICATION IN CANADA.

No. III.

If we may judge by the discussions and resolutions at several of the Farmers' Clubs throughout the Province, the question is not whether it would be profitable to drain, - for that is admitted by common consent,-but rather, how means are to be found for the operation. Now, the promoters of drainage extension in England had to contend with precisely the same apparent difficulty; and hence, in their advocacy of an improved system, they early found it desirable to recommend it as a secure and remunerative object for the application of collective capital, and so to enlist in the cause the commercial sympathies, and co-opera-tion of the monied classes. The eminent success which has attended the establishment of Public Companies for the drainage and improvement of land, has already been alluded to; and since, with such an example before them, it may reasonably be expected that the good people of Canada will go and do likewise, we shall give a brief outline of the powers which have been conferred by the Imperial Parliament on "The General Land Drainage and Improvement Company," and their mode of conducting busi-

The Company was incorporated in 1849 by an Act which, in its progress through Parliament, received the careful consideration of the Drainage Commissioners, the Board of Trade, and a Committee of the House of Lords. It supplies the defects of all former enactments in matters of detail, and by an inexpensive and simple process enables the owners of a limited and an exclusive interest in land to carry out every kind of permanent improvement thereon, either by the application of their own, or the Company's funds; and to secure the same by a charge upon the inheritance. powers comprise the execution of all works of Drainage, (including the making of outfulls through adjoining properties, if needful), Irrigation, Reclamation, Inclosure, Road-making, &c.; the erection of Farm Homesteads, Tileries, and other buildings necessary for good farming; and they have also the power to undertake sewerage. and all other sanitary works, under contract with corporation and town authorities. They can also purchase lands that are capable of being iniproved, improve them by the necessary means, and resell them. In conducting their business, which has become very extensive, the Company, on request, supply the landowner with a blank form of application wherein to particularise the lands, and the nature of the works to be performed. If the application is entertained, an inspection and survey of the property is made by the Company's Engineer, and a plan and estimate of the contemplated improvement is prepared by him for the guidance of the Company, and for

work, in accordance with the plans, in an effectual and durable manner, for a fixed sum. the completion of the work, the total amount of its cost, along with any reasonable sum for pre-liminary and incidental expenses, is made a mortgage charge to the Company on the land improved, tor a prescribed number of years, with such an agreed annual payment as will redeem the principal and interest in the period. In the case of homestead, and other erections, the maximum term over which the repayment of the outlay can be spread in 31 years; and in the case of Drainage, and other works of a like nature, it can be extended over as far as fifty years. Of course in either case the owner has the option of making the period for repayment as short as he pleases. As evidencing the soundness of the principles upon which this Company is based, as well as the beneficial and profitable character of their operations, it might be sufficient simply to refer to the high standing of the parties composing the Board of Directors; but when we see amongst them the names of two of the most eminently practical and extensive contractors of the present day-Wm. Cubitt, Esq., and Samuel M. Peto, Esq., M. P.—we cannot hesitate to give a ready assent to the usefulness and advantages of such a Company.

Now, what is there in this that the enterprise of Canada cannot emulate? The benefits derived from the application of Joint Stock Capital are as fully recognised in this Province, in all other operations, as they are in the mother country: Banks, Canals, Railways, Insurance, and even industrial establishments, are successfully conducted with collective means; surely, then, the cultivators of the soil might hope for the same success. Indeed, in our judgment, the condition and circumstances of the country are such as to ensure, to a well conducted Company, a highly remunerative return; and to the land owners, such a reliable source for means and efficient workmanship as they can hardly hope to secure

in any other way.

In seeking from the Provincial Legislature a special Act of Incorporation, it would be necessary, not only to provide for what may be regarded as ordinary operations of land improvement, such as Drainage, Irrigation, Fencing, Building, &c., but powers must be given, as in the English Act, to use, improve, and cut outfalls through adjoining lands, under suitable regulation; to fell and clear land of timber, and to make roads. And on this latter head we would suggest whether it might not be advantageous to the country generally to give such a Company powers to make, maintain, and receive tolls from all such public roads as they might be called upon to construct. We would also have conferred upon them powers to contract with City and Town authorities for the execution of sewerage, water, and other sanitary works; and also the power to purchase, reclaim, hold, and sell land. And, further, that under fitting limitations, they should have the power of issuing Notes or Debentures, bearing the approval and acceptance of the owner of the interest, and payable at such periods as should land. This agreed upon, the proprietor enters into a contract with the Company to execute the which the several Mortgage charges for completed works extended. These Debentures would, his father died, and Mr. Wortley came to the we apprehend, meet with public confidence, from the fact of being founded on a Mortgage landed security, which was every year increasing in value.

The great proportion of emigrants to this country turn their attention exclusively to the acquirement of land, and its cultivation; and yet the majority of these are usually not in a condition to command more funds than will barely suffice for ordinary wants. Would it not, then, be rufinitely to their advantage if they could avail themselves of the powers and facilities of such a company, and have their locations at once cleared, fenced, drained, and roaded-with a suitable house and homestead-ready for profitable cultivation, instead of wasting half their life time and energies in the clearing of a comparatively small plot of ground, and the building of a miserable shanty-dwelling, and a still worse steading?— Depend upon it, there are very lew who would not willingly pay an annual charge of even 20s. per acre, and upwards, for a few years, and cultivate their full extent of cleared and otherwise properly conditioned land, than contend, and that often single-handed, with the enduring and hopeless-looking task of preparing primeval forest for the plough.

As respects the sources, and extent of profit which might accrue to a Company engaged in such operations, it need hardly be remarked that they would not only be able to command the most effective and competent staff of officers; but that their power to provide, in the most perfect forms, all the mechanical appliances of the day, -such as portable engines, saw mills, tile machines, &c., &c., -would at once place them in a position to execute their contracts effectively

and advantageously.

Before discussing this portion of our subject it may not be uninteresting, and perhaps not unprofitable, to record one incident, amongst many, which occurred to the writer some years ago in reference to the matter in hand; and which exhibits forcibly the conviction which a good cause silently works on the minds of those who, from one reason or other, may be either lukewarm or absolute opponents. In prosecuting the first attempt which was made in England to establish a Drainage Company, the writer applied amongst other influential parties, to the present Lord Whainchifo [then the Hon. John Stewart Wortley, and one of the Members for the West Riding of Yo.kshire] for his patronage and support, to which he replied by saying, he "had no direct interest in land; that he did not understand the full nature of the proposed undertaking, and consequently that he must decline giving any countenance to This refusal was so unexpected, and, as v e conceived, so unwarranted, that we could not refrain from repeating the request, and pointing [so-called] is calculated to affect unfairly, our out the fallacies by which the refusal was support- profession. We heartily concede in the first

tale; and amongst the earliest applicants for an advance of £10,000 for the drainage of his estate was the present Lord Whattichffe. The writer too had moved a step by being appointed one of the Assistant Commissioners under this first Drainage Act, and was in consequence sent by the Commissioners to make the preliminary inspection of the property, and report upon his Lordship's application for an advance. Of course, in the interviews that ensued all allusion to his former refusal to countenance the very effort which had been instrumental in placing within his reach the means of improving an extensive estate, that otherwise, must have remained comparatively worthless, was scrupulously avoided, although we dare not affirm that the altered circumstances were not lost on either party. Since then Lord Wharncliffe has written a somewhat elaborate article on Drainage, in the Journal of the Royal Agricultural Society of England. -" Sic transit gloria mundi."

It is not within the scope of our design to tax the patience of the reader by entering into any profix disquisition on those details in the execution of Diainage which come more especially within the province of the experienced professional Drainer; for, independently of some regard to self-interest, we have very good reason to know, from numberless examples of failures, that "every man his own Doctor" in Dramage is not only the most inefficient, but generally the most costly course that can be pursued. There are, however, some leading features with respect to materials, depth, distance, outfalls, and effects to be attained, of which we purpose to treat in the next article; and which will conclude the present

series.

To be continued.

ON THE EDUCATION OF FEMALES-No. IV.

To the Editor of the Agriculturist:

School education should not be allowed to clash with the claims of justice and honesty. This brings me to speak of that system of school education, miscalled free schools, properly called pauper schools, which some officials are very anxious to establish by a law of the Province, to which they wish to make every man to bow, and every man to pay whether he has any children to educate or not, or whether he approves of the education therein given or not. And as your paper is designed for the benefit of the farmers, in which they may state their grievances and advocate the r interests, I hope it will not be considered inconsistent with these views, to allow me to say, that I think the free school system out the fallacies by which the refusal was support- profession. We heartily concede in the first ed. No effect, however, was produced; and Mr. place, that the children of poor widows, or orprofession. Wortley adhered to his refusal. Two years after | phans who have lost both parents, and the chilwaids came the repeal of the Corn Laws, and dren of such as are unavoidably poor, should be the passing of the first general Drainage Act. furnished with such education as their circumwith a grant of two millions sterling of the public stances and prospects require; but we do sincerely money for the Drainage of Estates. Meanwhile think, that nothing can exceed the injustice of

compelling one man to pay another man's debts when that man is abundantly able to pay his own debts. We are told that it is very just, "that the proper'y of all should be taxed for the education of all." If this be true, it is certainly equally just and more important that the property of all should be taxed to feed the whole, and to clothe the whole, and to provide religious instruction for all, for food, and raiment, and religion are more necessary than school education; and thus abolish all distinctions of property and right. Some persons seem to think that it is a sufficient justification of this measure, to tell us that the same plan is pursued in many of the American States.

Alas, for such an argument! Everything, good, bad, and indifferent, may be justified in the same way; for what can a person think of that is not practised in the States? Even that esum of all villanies." that compound of injustice, cruelty, and tryramy called slavery, may be justified by the same rule. It is said, again, by way of justifying this measure, that parents cannot be induced to give their children a suitable education, unless the public will pay the expense. There is but little truth in such a statement. But supposing it true; if a man do not love his own children well enough to give them a suitable education, how can be expect that people on whom they have no just claim, will be willing to give them that education which he is well able to give, but which he is too stingy to afford. If a man were too stingy to afford his children food, or raiment, the law would soon find a way to compel him, and every man who is able ought to be compelled to educate his own children. I But we are told that more children attend School when the public are obliged to pay the expense. This is, no doubt, true, but it is doing evil that good may come. One great objection against this system is that the greatest part of the expense fells, and must fall, on the farmer, for whatever laws may be made to equalize taxation they will be, to a great extent, inefficient, because all classes except the farmer, can, and do. and will, conceal the amount of their property from the assessor. As the law now stands, a number of Mechanics and others get together at the annual school meeting and vote for what they led, but they are not less offensive to God, or dethe bill; and yet these very mechanics will charge a farmer 12 york shillings to three dollars perday, when they are scarcely willing to allow a farmer who works for them six york shilling a Notwithstanding all this difference in ! wages between the farmer and mechanic, if the ! farmer does not wish to educate his own children and theirs too, he is said to be stingy or factions, or indifferent to education. Although the farmer is expected to be willing to pay his own debts, and the debts of other people in regard to schools, he is not able to send his children to school with the same case that others can, partly, be-cause he wants his children to help him during summer, and partly because many of them live temote from the school house. Will you allow me here to say, that farmers, particularly back-

division of the public school fund? For a while after that fund was first created, its proceeds were divided among the several school sections, according to the number of children of set ool age in each section. This was a fair rule of division, too fair it seems to last long, and another rule very unfair for the farmer and the backwoodsman, was substituted in its place; namely, to divide the public money among the different school sections, according to the average number of children that actually attend school, and that average to be taken for the whole year, so that if in any school section they are able to keep up school only for six months, and the average for that six months be thirty scholars, by taking the average for the whole year, the number will be reduced to fitteen scholars, and the public money also reduced one half. Now this is extremely unfair toward the bickwoodsman, who needs help more than any man, and centainly deserves it as much as any man, for there is not a more useful class of men in the entire province. Persons in scattered settlements find it difficult to keep up school six months in the year, partly, because there are but few children, partly, because their parents are poor, and partly because qualified teachers cannot be got. Scattered settlements have to exert themselves much more to keep up school six months in the year, than others more favourably situated do to keep it up all the year, and yet, while they have to pay their full proportion of school tax, they are to receive by this new arrangement, aimost nothing, while almost all the public money goes to cures, townsand villages, and other popular places where it is not so much needed.

Fifth: School education should be so conducted as to cultivate the moral and religious sentiments in conjunction with the mental facilities. It seems to be taken for granted by certain writers, that education and good morals are so linked together, that where the former is found, the latter will follow as a matter of course. Right glad should we be if this were the case, but we are sorry to say, that we believe, that there is no ground whatever on which to rest such an assumption. The immoralities of educated society are different in kind, from those of the uneducatcall a free school, and the farmers have to foot up 1 structive to man on that account. That species of deliberate and wilful murder, called duelling, is almost entirely confined to the educated classes of society, so also, are forgeries and gambling; and then, how often do we read in the public paints of bankers' clerks, of merchants' clerks, and persons employed in the collection of Township, County, and State taxes, who have absconded with thousands of pounds of other men's money, we'de neither the educated not uneducated can claim exemption from the degrading vice of drunkenness. To the uneducated, generally, belong peny thefts, and other low vices too numerous to mention. It is not the design of these remarks to undervalue mental cultivation, or what is sometimes called secular education, but to show that of itself it is not Mere mental cultivation, or secusufficient. woodsmen, are not fairly treated by the present lar learning can never, of itself secure correct

moral deportment. We might as reasonably expect to "gather grapes of thorus, or figs of thistles;" and that education is lamentably defi-We might as reasonably! cient, is limited, partial and unfinished, that begins and ends with the cultivation of our mental faculties. Education, to be thorough and efficiout, should have respect to our entire existence, both with regard to time and eternity. It should be the training up of a child in the way it should go. It should embrace, not only what he ought to know, but what he ought to do. It should be so conducted as to invigorate his physical energies, to develope his mental powers, to restrain his wayward passions and to direct and strengthen his moral and religious sentiments to a useful, holy life. In cultivating the moral sentiments it is not necessary that the pupil should wade through pon-derous volumes of ethical philosophy, grounded on the reason and fitness of things. These, doubt-less, have their use, and may be read with advantage if there is time, and may regulate human conduct in the stillness of the closet, where temptation has not power to operate, and where there is time to weigh all the reasons for and against every action, but when brought in close conflict with the prejudices, passions, and temptations of human life, they will be found nearly powerless. The pupil should be carefully instructed till an intelligent and durable conviction be produced in the great truths of revelation, such as the Being, Omnipotence, Omnipresence, and Omniscience of God, with the certainty that "God will bring every work into judgment, with every secret thing, whether it be good or whether it be evil " In connection with these truths, bring before the pupil our Saviour's short, but comprehensive rule of moral conduct; "Whatsoever ye would that men should do to you, do you even so to These considerations will have more efficacy in the production of correct moral deportment than all the treatises on moral philosophy, that ever were or can be written, because they include the power of law and the authority of a lawgiver, of which mere moral philosophy is destitute.

AN OLD FARMER.

Yarmouth, March 29th, 1851.

MELONS AND CUCUMBERS.

Melons and Cucumbers require similar treatment. The best way on all heavy soits is to dig out holes about 18 or 20 inches deep and wide. Fill these holes about two-thirds their depth with fresh manure, finishing with light or sandy soil, made rich by a mixture with well rotted manure and fine garden mould. The hills should be raised about six inches above the surface, and be six feet apart. Plant the seeds on these mounds; and as soon as they are large enough to be out of the way of insects, thin out to four in a hill.—Buist recommends that when the plants have made four or five rough leaves, the points of each should be pinched off, as it will make them branch out and fruit earlier.

Editorial, &c.

HINTS FOR THE MONTH.

Nearly all field crops will, or at least should be in the ground before the close of May, but some of the root or drilled crops may still be sown with success, if the ground be well tilled and the season favourable. Potatoes frequently succeed well, planted in the first week in June, although more liable to be affected by the rot than if planted some weeks earlier. The earlier ripening varieties of Indian Corn may also succeed sown at the same time, if on rich well prepared ground, and the crop be frequently and carefully hoed afterwards. For carrots, parsnips, and mangel wurzel the season is rather late, but if circumstances have prevented the getting them in sooner, they may still be risked upon a small scale. To ensure the germination of mangel wurzel seed, it should be soaked in warm water for several days, or until it sprouts before planting. For Swedish Turnips, from the 1st to the 10th June, when the weather is warm, and genial, is perhaps as favorable a season as any. The success of this crop depends upon its making a vigorous growth from the very first. If checked at the beginning it does not so easily recover afterwards. There is frequently found to be less danger from the fly, when turnips are sown after the first week in June, than if sown earlier. As a specific against this insect, soaking the seed in whale oil 24 hours before sowing, and then drying it in plaster or dry sand for convenience of handling, has been tried with success. The quantity of seed sown to the acre should be about two pounds, though much less would be sufficient, if it all vegetated and escaped mjury. But it is better to sow it so thick that a good number of plants will have a chance of getting into the rough leaf and out of danger, before the fly can destroy the whole. If the ground be in good condition, and of sufficient moisture for the seed to germinate at once, the plants will soon be beyond the destructive powers of the fly. The seed may be sown either in drills or broadcast, and covered not over one or two inches deep, with fine mould. White Turnips may be sown considerably later, even as late as the middle of July, on rich well

tilled land, and do well. The cultivation of root crops will be found alluded to at considerable length in the Report of the Guelph Farmers' Club, in another part of this number.

Weeds, unfortunately, grow as rapidly, sometimes more rapidly in June and July, than useful plants, so unless they be kept down by vigorous and frequent hoeing or ploughing, the labor and expense of sowing potatoes, corn, turnips, &c., will be little better than so much labor thrown away. Besides, the practice of frequently stirring the ground, even in the absence of weeds, is of the greatest advantage in aiding the growth of the crops. Turnips &c., must also be judiciously thinned, or they will be little better than if overgrown with weeds. and mangel-wurzel, if in drills, may be thinned from twelve to eighteen inches apart in the drills, if broadcast about eighteen inches, as near as may be, each way; carrots and parsnips if in drills 15 or 18 inches apart, may be thinned to about 9 inches apart in the drills.

Besides such work as above mentioned, and the repairing of tences and buildings, road making, draining operations, &c., the principal business of June, will be the preparation of the fallow for wheat sowing in September. And on the manner in which this is done will greatly depend the results to be obtained next year. The present high price of grain, in connection with passing political events in Europe, will probably lead to the preparation of a larger breadth of land than heretofore in Upper Canada to be sown with wheat in Autumn. If the first ploughing has to be performed in June, unless the weather be favorable, it will, on clay land, be hard work for both man and horse. If the first ploughing has been given in Autumn or Spring, the second in June will not be so laborious, and the farmer will find it to his advantage to keep his plough-Pare sharp, and turn up a furrow to the air at hast six or seven inches in depth. If the mapure is to be laid on at this ploughing, it should but be left long evaporating in the field, but floughed in as soon as possible after being drawn at from the yard. Experience has amply sted that Canada thistles, that disgrace and have to so many neighborhoods in this country principle in this particular application.

may be effectually eradicated, by a thoroughly and cleanly cultivated summer fallow, so that no farmer has occasion to despair of getting rid of this pest, if he will only apply himself heartily to the task.

Attention to all the above matters, and a few others which might be mentioned, will probably conduct us to the end of June, or beginning of July, when the hay crop, and soon after wheat and barley, will demand our attention, and there will be abundant opportunity for testing the good qualities of the mowing and reaping machines mentioned in another place.

PREMIUMS FOR FARMS AND GARDENS IN THE COUNTY OF RUSSELL.

We have received the following communications from C. P. Treadwell, Esq., President of the Provincial Agricultural Association, on the subject of premiums for the best cultivated Farms and Gardens in the County of Russell. The Board of Agriculture, at its recent meeting, expressed its approval of the plan, and it is much to be desired that a similar movement should be made either by Societies or influential and patriotic individuals in each of our settled Counties. The encouragement of the cultivation of the various kinds of garden crops is of no small importance, and would tend, in connection with the culture of flowers to improve the taste and increase the comforts of many a household. We trust that, as the object is a good one, and most creditable to the projector, it will not be lost sight of in other quarters, but that many will be induced through the force of this example to go and do likewise.

Mr. Treadwell proposes to give the sum of £25 for the purpose, viz., £5 to each of the four Township Societies of the County for the best cultivated farm in each locality; and likewise, \$5 for the best managed garden within the jurisdiction of each of the four Societies. the great object of these premiums is the encouragement of farmer; and their families in those important arts on which the existence and happiness of nations so essentially depend, we again express our best wishes for the success of the L'Orignal, April 13, 1854.

DEAR SIR,- I have great pleasure in enclosing for your insertion in the Agriculturist a letter recently received from the Rev. Andrew Bell, a scientific and practical gardener, to whom I mentioned the circumstance of my offering premiums on farms and gardens in our county,

This opinion should be adopted in preference to mine, as I neither claim practical nor theoretical knowledge; but I feel an anxious desire to advance that branch of domestic economy throughout the Province, and especially in our own coun-1 am, my dear Sir,

Your most obt. servt.,

C. P. TREADWELL.

Geo. Buckland, Esq., &c., &c., &c., Toronto.

L'Original, April 13, 1854.

My DEAR MR. TPEADWELL-When you called on me to-day, you mentioned a proposal which had been made to offer premiums for the best gardens in Townships or Counties, and wished me to give you some suggestions, in writing, as to the conditions on which those prizes should be awarded. Having my mind occupied and perplexed about some other matters, I really cannot give the matter that consideration I could wish. I shall try, however, to throw out two or three hints.

I think the quantity of land you propose as a minimum in order to get a prize-being nearly half an acre—is entirely too much. Very few families in the whole country, even amongst the wealthy, have that amount enclosed and under cultivation as a garden; and, moreover, no family could do such an amount of land that justice, and give it that high cultivation, which a garden requires, except among the wealthy, who are able to keep professional gardeners, and if I understand you aright, that is not exactly the class you wish to encourage and induce to cultivate gardens. I think that about the fitth of an acre, two square chains, would be enough; and further, I think this might be left indefinite. It might very safely be included under the head shortly to be mentioned.

If I mistake not, you also spoke of the greater variety of crops-another condition. I scarcely think that would answer the end in view. might be no difficult matter to procure such a variety of seeds and roots that a garden might present a most wonderful display in this respect: a little of this and a little of that, to the extent of a hundred or more varieties, but I am alraid that the comfort of a family would be very little pro-The great thing that ought to moted thereby. be aimed at, in my estimation, is, to encourage every family in the land to cultivate a garden of such extent as may be managed by themselves, or with as little hired labour as possible merely for the rougher and more laborious operations,useful and tasteful garden, one that would yield both profit and pleasure to a family, instead of being a piece of expensive and useless ostenta-tion. To come up to my idea of the thing, the

in such quantity-in such variety, and of such excellence and perfection, and accompanied by such taste, in the laying out and the ornamentation of it with flowers, as would not only contribute to the support of a family, but, all things considered, would, in the estimation of the judges, as sensible and discreet men, minister the most to the health, the comfort, the enjoyment and the pleasure of a family, all the year round.

Another ground of awarding the prize might be the superior excellence of the garden produce of whatever kind-large, healthy, thriving, &c., &c., as indicating the best cultivation, and giving promise of the largest amount of produce for the

least extent of ground.

Other grounds might be the care bestowed on the garden, the order and neatness in which it was kept, its entire freedom from weeds &c., &c

And last but not least the taste displayed in laying out a garden, arranging the crops and or-namenting the garden with flowers. To bring the whole to a point: I would advise leaving out the extent of the garden. That I think might be safely included among the "All things considered" which must still be left to the discretion of

the judges.

The prize might go to the garden which-I. Contained such kind of vegetables in such quantity -and in such variety, and of such excellence as would minister the most towards the support, the health, the comfort, the enjoyment and the pleasure of a family all the year round, and which, II. Contained the best crops of their kind, and Ill. Showed the greatest freedom from weeds, the greatest care and neatness,-and IV. displayed the greatest amount of good taste in laying out and the ornamenting of it with flowers,

I hold that the cultivation of a pure, refined, elevated taste in a family circle by the floral decoration of their garden done by themselves, and studied and watched by them, is an element and by no means the smallest one in the usefulness

of the garden.

And now having made such suggestions as occur to me at the moment, in regard to what should constitute the best garden, to which a prize is to be awarded, I would make another suggestion, that something more is needed, than offering a trifling prize of a few dollars for the best garden, in order to induce a larger number of the people to cultivate such gardens as will conduce substantially to the support, health, comfort, &c., of their families. Their ignorance and their projudices must be removed in regard to the usefulness of it, and the time, labour, and expense necessary. They must be instructed in short as to how it is to be done, and done to the best advantage.

Offer then a good prize, as large as any that have been offered for other essays, for a good e-say on gardening. I do not mean a mere mechanical thing, such as is printed on seed papers and in almanaes to guide a novice, as to the breadth of drills and the times of sowing; but a deeper and more philosophical thing, showing in what a good garden consists and how it my be formed, the extent of it, how it should lie, the garden should contain such kinds of regetables— \ kind of soil, how deep, how drained, how enclos-

ed, how laid out, how arranged, how mannred, how cultivated, the different kinds of crops, the quantity and proportion of each, the rotation, and in these days of science, it should have a smack of Agricultural Chemistry, the science of fitting the elements of the soil to the requirements of the crop. If such an essay were what I think it should be, it would be almost every word of it just as applicable to Agriculture on a large scale by the farmer as to Agriculture on a small scale by the gardener.

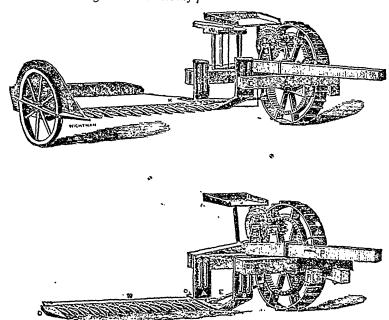
Yours truly,

(Signed) ANDREW BELL. C. P. Treadwell, Esq.

------REAPING AND MOWING MACHINE.

As the season for grass cutting is near at hand, and as laborers are unusually scarce, and wages high, the farmer is obliged to look about him for such helps and substitutes as may be available. We consider it part of our duty to examine and point out to our readers such new improvements in agricultural machinery as may fall under our notice, especially where they promise a great saving of time and expense in the imputant operations of the farm. The Reaper has become "a great fact," in England as well as in America. Whenever the ground is sufficiently

evel, and the crop in an upright condition, the Reaper is undoubtedly a labour-saving machine. The "Mower" is perhaps not so generally known, but in our opinion, in its present improved form, it is quite as important to the farmer, who needs its assistance, as its more famous relative.-Several attempts have been made to combine these machines, or in other words, to make a machine that would both reap and mow. Until last year these attempts, so far as we can learn, have not been very successful. The difficulty in the United States was increased by conflicting patents, the inventors of one improvement not being allowed to avail themselves of those of their neighbors. A Company at Buffalo has now, it appears, by purchase or agreement, combined these improvements in such a way, as to make a machine for \$130, which, they allege, is equal to Hussey's machine as a Reaper, and Ketchum's as a Mower. We have seen this machine, and so far as an inspection enables us to judge of its merits, we are disposed to regard it favorably. We hope soon to witness its performance in the field, when we shall be able to speak more confidently. Below are cuts of the machine, showing its appearance as a Reaper, and as a



FORBUSH'S IMPROVED REAPING AND MOWING MACHINE.

l'ompany's Circular:

We subjoin the following extract from the estimonials, that it will accomplish all that is claimed for it, and are satisfied after a thorough investigation of the relative merits of the differ-"The Company have the most satisfactory ent Mowing and Reaping Machines, now before the public, that the above is the best in the ponent parts of the soil, furnish merely a meworld!

THE THEORY & STREET AND STREET AN

Every Machine sold, will be warranted to be made in a workmanlike manner, and of the best materials, and capable of cutting from ten to fifteen acres of grass or grain per day, with one span of horses and driver, and in all respects to do the work as well and as easy for the horse, as any other Machine in the country. The tollowing particulars may be mentioned as points of superiority:

1. The Machine is compact, simple, durable, conveniently arranged, and easily managed.

2. The bolts are all accessible, and in sight of the driver when on his seat.

3. There is no side draft, and the horses can work all day on the machine, as easily as they can plow.

4. The grass is spread evenly over the ground. 5. The Raker's seat is so arranged that the

grain may be raked off at the side, away from the track of the wheel, or in the rear as may be picferred.

6. The platform to receive the grain is so constructed, that it requires but a few moments to attach or detach it from the machine, and when on, it is perfectly substantial.

7. The platform, finger-bar and knives may be raised or lowered, and secured at any point, so as to cut the grass at any height desired.

8. The clamp which holds the finger-bar is so constructed that no bolts are required to pass through the finger-bar and so that the same connecting rod, finger-bar and knives are used, for grain and grass.

9. The guard-fingers are so constructed that they mutually brace and support each other, and effectually prevent the knives from chokeing or clogging in any kind of grass.

10. The machine is not likely to get out of repair, but if a guard or knife should break, another can be put on in the field without going to a machine shop.

Literary and Miscellaneous.

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FAMILIAR CHEMISTRY.

BY MRS. M. F. H. THOMAS.

спартел, ПІ.

The Earths proper, consist of the rust of metals; or the union of Oxygen and metals, and are called Oxides. They are clay-oxide of Aluminum; sand-oxide of Silicum; lime-oxice of Calcium; and magnesia-oxide of Magnesium. They are mingled with a large proportion of organic matter-the decayed remains of vegetables and animals. These last constitute the real fertility of the soil. They furnish the Ammonia, and the greater part of the Phosphate of lime; which, with gases from the atmosphere, form the pabulum of vegetable life, and enter so largely into organic structures. The other com- shallow dish of brine; or any saline solution, in

chanical support; a convenient medium for the transmission of nourishment; or at most, contribute very slightly to their sustenance. The experiment of growing an oak in a quantity of earth, (which had been previously weighed) contained in a vessel; showed, that in a number of years, it lost no appreciable bulk or weight, though the tree attained considerable size. The soil, in this case, consisted, probably, for the most part, of the earths proper; and the plant must have been nourished by the atmosphere, and organic remains contained in the water. If, however, a plant in the same circumstances, te watered with distilled water, it will droop and die. A proper admixture of the coarser materials of the pure earth, with the finely divided organic matter, is necessary to regulate the moisture of the soil; which depends, chiefly, upon its capillary attraction. By capillary attraction is meant the force which raises fluids above their level, in minute tubes and porous bodies. Pour water upon a piece of loose sandstone; or a heap of fine sand, and instead of passing directly through, it will remain suspended in its substance, until the whole is saturated. Water poured into the saucer of a flower jar, also, will rise, and moisten every part of the contained earth. It is by this law of capillary attraction, that soils retain their moi-ture. The rain which falls upon the surface, instead of sinking directly through, is retained in the interstices of the soil, more or less, according to its attractive capabilities; the surplus sinking down, until meeting a stratum of rock, or impenetrable clay, it forms little subterranean rivulets, which anting, form larger streams, called veins; which bursting out on lower grounds, constitute our springs. Now upon the strength of the capillary attraction of the soil, which depends upon the number and size of is pores, (if too large, the attraction is weakened, hence coarse sand suffers more from drought, than fine,) depends the water-retaining capability of the soil; also its power of attracting moisture from the atmosphere. The vapors held by heat in the higher regions of the atmosphere, during the day, at night, condensed by cold, sink down (hence the dampness of night air) to the stratum next the earth; which, if thirsty or dry, sucksit in, in proportion to its attractive power. Hence the difference which can be observed, in times of drought, between two fields, equally exposed to wind and heat.

Water in its natural state, is always mingled more or less, with foreign ingredients. Expose a glass of the purest spring water, to heat and light; and, in a short time, a green film will be, observed to cover the surface. This film has been proved to be a real vegetation; and as no organized structure can originate without a germ it must be the offspring of organic remains in the This is proved by the fact, that on distilled water similarly exposed, no such pheno-menon occurs. Rain water is the purest of natural waters; as it contains no saline, of earthy ingredients. Evaporation and distillation

the heat and wind. In a short time the water will disappear, leaving the salt crystalized upon the dish. In the same manner, the great mass of water, which falls in the form of rain, hail and snow, is raised from the briny ocean, to fall parified and refreshing; not only to water the thirsty earth, but to form a wholsome drink for Wonderful are the works and ways of the God of nature. Hard waters are those which comain earthy matters, in a state of solution; usually Phosphate, or Bicarbonate of lime dissolved by the passage of the water through the earth. Springs of soft water are, thorefore, seldom found in lime-stone districts. Hard water is easily detected, by its curdling when mixed with soap, instead of forming a suds. This is also a chemical process. Soap is a chemical composition of oil and water, through the neutralizing influence of an alkali; which unites with both. Now waters called hard, in addition to a neutral salt, contain a quantity of surplus acid, by which the salt is held in solution, and the alkali of the soap having a stronger affinity for the acid than the oil and water, deserts its old limion, to form a new one with the acid, leaving When hard water the oil to rise to the surface. is boiled, the surplus acid is expelled, causing a deposition of the carbonate of lime, (which is insoluble in water,) in scales on the kettle. Soft water is by many, considered insipid; but that this depends upon an artificial taste, created by stimulating foods and drinks, is proved by the fact, that animals prefer drinking from turbid pools of soft; rather than the most transparent All water which contains any impotant admixture of substances, not adapted to murish the body; whether the much vaunted mineral waters, or the miasma-breathing marsh, ismiurious; and their common use as a beverage, is the cause of many chronic and epidemic diseases; such as dysenteries, which are often caused by Phosphate of lime-Intermittent, and Remittent fevers—calcareous concretions in the intestines, &c., &c.

But here, as in every thing else, FASHION Waters mingled with imeigns omnipotent. unnes of every description; Iron-earthy salts deadly lodine and Bromine; and last, and orsi, that most disgusting and fatal of all gases, Sulpuretted Hydrogen; a few bubbles of which, hen evolved by decaying animal remains, conseedly breeds pestilence and death, are transmed by this most potent magician, to unfaile of the gourmande to the overtasked brain of student; while the pure fluid, which God stils from Heaven, like holy manna of old, is staside, as fit only to cleanse the impurities the external man; for which purpose their -torite beverages answer very poorly. Did it veroccurto such people, that the internal surce of the body; which is but a continuation of e external, might need cleansing too, and that -rd water is no more efficacious in one case an the other!

Brooklin, April 1st, 1854.

TO CORRESPONDENTS AND READERS.

A number of interesting articles and original communications are unavoidably crowded out of this number, owing to the length of the Prize List and Rules and Regulations for the Provincial Exhibition.

AGRICULTURAL REPORTS.

Reports have been received at the office of the Board of Agriculture, to the present date, from the following County Societies:—Addington, Bruce, Carleton, Dundas, Du ham, Eigin, Essex, Frontenac, Glengarry, Grey, Haldimand, Halton, Hastings, Huron, Kent, Lambton, Leeds and Grenville, Lennox, Lincoln, Middlesex, Norfolk, Northumberland, Ontario, Oxford, Peel, Perth, Peterboro', Prescott, Prince Edward, Russell, Sinicoe, Stormont, Victoria, Waterloo, Welland, Wellington, Wentworth.

We have to acknowledge the receipt of the Schedule of Premiums, to be Awarded at the Exhibitions of the Brockville Horticultural Society, the first show to take place on the 29th of June, and the second or Annual Show, on the 14th of September. There are liberal prizes offered for Flowers, Fruits, Vegetables, Seeds, and Poultry. Also £2 10s. for the best Cultivated Garden; £1 10s. for the best design of a Green-house, and £1 5s. for the best specimen of Rustic Work.

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BUREAU OF AGRICULTURE

Quebec, May 8th, 1854.

THE following Gentlemen are re-appointed members of the Board of Agriculture for Upper Canada for the current year, viz.:—

R. L. DENISON, of Toronto, E. W. THOMPSON, do. HENRY RUTTEN, of Cobourg. JOHN HARLAND, of Guelph.

JOHN ROLPII,
Minister of Agriculture.

CHALTENGE.

\$1,000 to \$4,000 a Side!

Or in Friendly Competition.

MPORTED " YOUNG LION" Within one Month after his Scaso (18 over (due notice being given), is of ea to

WALK OR TROT 5 MILES AND UPWARDS.

Against any Stallion, Gelding of Mare, of his weight o more in Canada of in the United States, imported of clictwise, a disease to Meters can be found to weight with him any Horse weighing witain 250 lbs, of his weight will be allowed to com-

At the same time, he was be open to Trot his Mile in less than FOUR MINUFLS, more cut of Harness.

-- ALSO--

At the same time, he will be open to draw any weight from Two Toas and upwards, from 5 Miles to 100 a dre turn to aden In the shortest space of time, against hay Stadion, Geleary of More, of any crass, size or weight, either in Canada of the United States, imported or otherwise.

-- ALSO--

For Superiority of Action against any Horse of his Class

wherever he can be found.

13° Che Judge to be chosen from among the veterimines of New York, one from Montreal and one from Foronto, whose services are to be paid for by the Winner.

1 32 The Trials to take place in the vicinity of Toronio, and all travelling expenses to be abowed to the Owner of any Horse that may compete coming from a distance

W. B. CREW.

Toronto, May 27th, 1851.

6-6-m.

IMPORTANT TO

DAIRYMEN & BREEDERS

SHORT HORNS!

IN consequence of the ill state or heath of Mis, Parsens, and she form recommended by her Physician to visit the Old Compty, tegether with obsert analy air organicals, the subscriher has resolved upon discontinuing his Dairy a together, and there will coass quently be offered 1 Oo SALL BY AUCHON, on Tuesday, 27th JUAE next, at his residence, Cubballe Parm there will coase quently be defered FOA SALL BY ACTION, on The stay, 27th JIANE acxi at his residence. Cubb dle Panin near Guelph, C.W., the WHOLL of his VALUABLE HERD core-prising. Thorough-Bred Short Horn Cows. Heriers, and Henter Calves; a two year's old, and yearling Bull and Bull Calves, whit a number of choice trade Durham Cows. Heriers with Calves, white a two year's old. Heriers, all nearly thoroughbred and selected with skill and care for years past for his own intended Res. from the deepest motors on use tred. intended use, from the deepest makers in instrerd.

The Farmers of Canada, therefore will now have an oppor-

tunny, serdom offered tosupply tremselves with a foundation of a well-fred Miking Herd. The Subsenfor thinks it desirable to state that, he at first anticipated selling only a part of his Herd, but has decided otherwise, that it may not be said be had reserved the chowest of his Heid for his own use hereafter, at, therefore will be sold without reserve to the highest bidder. A credit of nine months will be given.

To make the Sale more attractive, the Subscriber has con-

cluded on offering some of his thorough-lack! chiefly young and part of them by Mr. John Witson's imported best imm. A number of his improved sman larged of prosecution Radnot s and Lord Durie's brood) not to be equalled for symmetry and quainty.

Also a powerful Yoke of good Working Oxen. II. PARSONS.

Cudotte l'arm, near Guelph, C.W.

April 20th, 1851. A.B.—The far-famed Bates? Duchess about sending drock of less throughout thes Herd, from the celebrated Stock of George Van, Esq. of Proy. N. Y., and Incewise the blood of the Herds of the Hon. Adam Fergusson, of wooding, and of John Hownt, Esq., of Guelph. Any comment upon the Stock of either gentlement would be sup-rithous here.

Cathegaes, with further particulars and Pedigrees, will be shortly out.

shortly out.

DURHAM BULL CALVES.

THE Subscriber does not intend to rear any Bull Calves for sale this Season, unless to Order.

Five thoroughbied Cows, Duchess or Bates blood, are now expected to Caive. ADAM FERGUSSON.

Woodhill, Waterdown,

STOCK PURE BRED FOR PRIVATE SALE AT

MOUNT FORDHAM, WESTCHESTER CO., NEW YORK,

Eleven Miles from City Hall, N. Y., By Harlem R. R. Cars.

H AVING met with more success than I anticipated the past year, with the Catalogue of male and mals at Private Sale, is the reason for offering this AND MY JUNE SALE BY AUCTION, WILL A full descriptive Catalogue with lot of animals NOT TAKE PLACE. prices attached, will be published on the fifteenth of April, and I intend to be at home myself to see any who may call. I will sell at Private Sale, about is Short Horns, 6 of which are young Bulls and Bull Calves. The Cows and Heifers old enough, will be in Cali, to the Celebrate I imported Bull "BALCO" (1918.) or Imported "ROMEO," winner of the First Prize at Saratoge in 1844; and also at the America Institute the same year.

The young Bulls and Bull Calves are somed them from Imported Cows, and sired in England; the others are sired by the Imported "MARQUISO CARRABAS," (11789,) winner of the First Prize at

Saratoga, the past year, as a two year old.

Also, about 10 head of Devons, consisting of a yearling Bull, sired by "MAJOR," and 5 Bull Calva. sired by my Imported First Prize Bull, "FRAM QUARTLY," and several of them from Imported Cows. The Cows and Heifers old enough, will be Calf to "FRANK QUARTLY." Also 6 or 8 Suffet Sows; and several young Suffolk and Essex Boan Also 2 Southdown Rams, imported direct from Jone Webb, and 6 Yearling Rams, all bred by me from Stock on both sides, imported from Jonas Well Catalogues will be forwarded by Mail if desired.

All animals delivered on Shirboard, or Rail Ca in the City of New York, free of expense to the pur chaser. The Devous are at my Herdsdale Farm, ! miles north, to which place I will take persons both

to and from.

MY FRIEND MR N. J. BECAR, who is interested, in several of my importations, will also sell about head of Short-Horns, consisting of 4 young Bulk and 5 or 6 Females. His young Bulls are also set ral of them from Imported Cows, and sired by the "LORD of ERYHOLMNE," (12205,) and the ch brated First Prize Imported Bull "ROMEO." & Becar's Cows and Heifers are in Calf to the Import. Bull, "MARQUIS of CARRABAS," (11789) Becar can be seen at his Store, No. 187 Broadw, New York, at which place he will make arrang ments to go to his Farm, at Smithtown, Long Island His animals will be entered in the same Catalogwith mine, which can be obtained by address, him at his Store, or to me at Mount Fordham. I animals will be delivered in the same manner. mine. Our Importations have been in almost eases made at the same time, and are of equal mer except that I have more in number.

☑ Terms, Cash on delivery.

L. G. MORRIS

March 16th, 1854.

THE

CANADIAN AGRICULTURIST

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