

Technical and Bibliographic Notes/Notes techniques et bibliographiques

The Institute has attempted to obtain the best original copy available for filming. Features of this copy which may be bibliographically unique, which may alter any of the images in the reproduction, or which may significantly change the usual method of filming, are checked below.

L'Institut a microfilmé le meilleur exemplaire qu'il lui a été possible de se procurer. Les détails de cet exemplaire qui sont peut-être uniques du point de vue bibliographique, qui peuvent modifier une image reproduite, ou qui peuvent exiger une modification dans la méthode normale de filmage sont indiqués ci-dessous.

- Coloured covers/
Couverture de couleur
- Covers damaged/
Couverture endommagée
- Covers restored and/or laminated/
Couverture restaurée et/ou pelliculée
- Cover title missing/
Le titre de couverture manque
- Coloured maps/
Cartes géographiques en couleur
- Coloured ink (i.e. other than blue or black)/
Encre de couleur (i.e. autre que bleue ou noire)
- Coloured plates and/or illustrations/
Planches et/ou illustrations en couleur
- Bound with other material/
Relié avec d'autres documents
- Tight binding may cause shadows or distortion along interior margin/
La reliure serrée peut causer de l'ombre ou de la distorsion le long de la marge intérieure
- Blank leaves added during restoration may appear within the text. Whenever possible, these have been omitted from filming/
Il se peut que certaines pages blanches ajoutées lors d'une restauration apparaissent dans le texte, mais, lorsque cela était possible, ces pages n'ont pas été filmées.
- Additional comments: /
Commentaires supplémentaires:

- Coloured pages/
Pages de couleur
- Pages damaged/
Pages endommagées
- Pages restored and/or laminated/
Pages restaurées et/ou pelliculées
- Pages discoloured, stained or foxed/
Pages décolorées, tachetées ou piquées
- Pages detached/
Pages détachées
- Showthrough/
Transparence
- Quality of print varies/
Qualité inégale de l'impression
- Includes supplementary material/
Comprend du matériel supplémentaire
- Only edition available/
Seule édition disponible
- Pages wholly or partially obscured by errata slips, tissues, etc., have been refilmed to ensure the best possible image/
Les pages totalement ou partiellement obscurcies par un feuillet d'errata, une pelure, etc., ont été filmées à nouveau de façon à obtenir la meilleure image possible.

Continuous pagination.

This item is filmed at the reduction ratio checked below/
Ce document est filmé au taux de réduction indiqué ci-dessous.

10X	14X	18X	22X	26X	30X
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12X	16X	20X	24X	28X	32X

THE
Canadian Agriculturist
 AND
 JOURNAL OF THE BOARD OF AGRICULTURE
 OF UPPER CANADA.

VOL. XV.

TORONTO, NOVEMBER, 1863.

No. 11.

**PRECAUTIONS IN CULTIVATING
 POTATOES.**

It is well known that this important tuber has very much deteriorated of late years; the yield being less and the quality inferior to what was formerly obtained. Several causes have probably combined to produce this result; such as insufficient attention to the storing and selecting of seed, unseasonably late planting, injudicious manuring, wetness of the land and its inadequate preparation. The character of the seasons has no doubt much to do with the result. It was confidently expected during the late favourable summer in the British Islands that the potato crop would prove unusually sound and abundant, as the plant had seldom a healthier appearance; but it would appear from recent accounts that the heavy rains of September seriously affected the ripening process, and that large areas, particularly in late and damp situations, have been visited by disease, and the crop as a consequence has been very much deteriorated. To some extent this has also been the case in Canada, as well as in certain localities of the neighbouring States. We condense the following precautions for the consideration of our readers from a recent number of the "*Journal de la Société Centrale d'Agriculture Belge*."

1st: The late planting, which prevents the tuber from undergoing at the proper period the different phases of vegetation, and weakens the vitality of the potatoes, which an earlier planting would have strengthened.

2nd. The division of the tuber into quarters, which deprives the plant of the nourishment nature has placed at its disposal.

3rd. The principal cause of the diminution in the crops of potatoes is the use of the lower part of the tuber instead of the upper part or crown. The latter produces sprouts not only stronger, but quicker and more productive, whilst the lower part of the tuber produces sprouts later and less vigorous. The sprouts are often very slender, and produce weak stalks without strength, and which fall to the ground, and often at the raising of the potato an abundant quantity of hair like roots is found instead of potatoes; if they are found, it is in small numbers and of every little size. These facts are said to be but little known, and deserve particular attention by cultivators of this useful esculent. Let them choose for planting tubers with large germs or eyes, and if they do not wish to plant them whole, cut them in twos and across; plant only the upper half or crown, and keep the lower part for consuming.

4th. It is advisable, after raising the crop, to wash the seed potatoes in diluted urine with lime and salt, and those intended for consuming, in water with lime and salt, and dry them well before pitting. The seed potatoes should not be taken cut till the time for planting, in order that the germs and little roots may not be destroyed, as this would weaken and retard the growth of the plant. When potatoes are kept in outhouses, it is best to pick them over and cut them long before planting, in order to dry the wound: A hard crust is formed

on the surface, which preserves the pulp from decaying and from insects. It is also advisable, after having cut the tubers, to expose them to the sun to make them green before being planted.

We may further observe that seed potatoes should be chosen from the most productive parts, and free from disease. The soil should be well and deeply ploughed, when practicable, before winter, and surface furrowed, to prevent stagnant water. Upon much of our old cultivated land the incorporation of a good dressing of quick-lime would be beneficial to the potato, and succeeding crops. Farm yard manure, particularly if in a rough or long state, would be better applied early, and broad cast, and thoroughly mixed up with the soil, rather than in drills. These hints will no doubt be suggestive of others by observant, practical men. A warm, dry, well prepared soil, admitting of early planting with selected, healthy tubers, will always be found among the most favourable conditions for securing a remunerating crop.

AGRICULTURAL AND VETERINARY INSTRUCTION.

It is intended to resume a series of popular lectures on the Science and Practice of Agriculture, and the Veterinary Art, about the middle of January next. The course, like that of last year, will be open and adapted to young men from all parts of the Province free of charge, and will be finished in four or five weeks. In the department of Agriculture, Professor Buckland will be assisted by the Professors of Chemistry, Geology, Natural History, and Meteorology, in University College, and Mr. Smith will give practical instruction in the Anatomy, Physiology and Diseases of Farm Animals. This course being specially adapted to the wants of young men engaged in, or intended for Agricultural pursuits, who cannot conveniently be absent from home for a longer period, and who have not had the opportunity of studying these subjects systematically, it is hoped that a goodly number will be found to avail themselves of the advantages hereby offered. The main object of the course is to assist in forming correct habits of observation among those who cultivate the soil, to awaken a spirit of enquiry and foster a taste for knowledge, and to put young men in a way of reading and studying at home. Fuller particulars

will be given in our next issue; meanwhile further information may be obtained by addressing Professor Buckland, University College, Toronto.

For the Agriculturist.

A FEW WORDS ABOUT THE PROVINCIAL EXHIBITION OF 1863, LATELY HELD AT KINGSTON.

The elaborate reports of the *Globe*, *Leader*, and *Kingston News* render it unnecessary to describe it at length. The reporters certainly confer a favor on the Association and the Province by their earnest and full work. Old visitors, exhibitors, and officers find but little difficulty in connexion with these annual gatherings, not unmingled with profit and pleasant re-unions. New hands at the business do not do so well, and it is not to be wondered at that the vexations, tediousness, and absolute expense attending the occasion, deter many from being present either as visitors, exhibitors, or delegates.

Arriving at Kingston, on Wednesday, we remained until Friday evening, inspecting the working of the business of the Association, by its officers, exhibitors, and passing observation upon the position of the visitors. A Provincial exhibition is undoubtedly attended with much labour, a great expense, and considerable anxiety, worry and care.

An eastern delegate naturally feels that his enterprising neighbours of the west have got firm hold of the great Association, and that his interference is almost fruitless. He looks at the leading officers and exhibitors, at the delegations, and crystal palaces; he hears the oft repeated statement that the exhibition pays in large places only, such as Toronto, Hamilton and perhaps London, and asks if all is well, as it should be. There is a straining after great *show*, requiring a great outlay—a great attendance to meet the cost—a large staff of officers to do the work—large and handsome structures, and expensive and capacious grounds. If the weather is fine and a glad sun beams overhead, and the attendance is good, all well. But, if these things fail, then alas! and heavy loss are the result.

Do not the managers of the Association ask at too much? Why look for a great *show* every year? Would not the objects of the association be better attained by husbanding resources—by extending the exhibition to parts of the Province where *reasonable* visions could be made, and by looking forward to and having one great Provincial Exhibition every three years, embracing both Upper and Lower Canada, to be held alternately, at such places as Toronto and Montreal?

On the present occasion Guelph and I ville made vigorous efforts to secure the exhibition. The County and Town Com. aided by handsome private subscriptions,

forward most liberally, and put in their claims, and pressed to have either one of these localities selected for 1864. Hamilton was the competitor. It was the city element against the town and country, and, need we say, who carried the day? We were almost unacquainted with any of the parties, and listened to all that was said on all sides. We could see that old officials, pressed by past experience, feared the loss attending a change from the cities to the towns. The cases of Brockville and Brantford were referred to as entailing loss upon the Association, and even Kingston, with its crystal palace and handsome structures, was hardly sufficient to meet their views. Cities with their more ample accommodations—crowds with their numerous half-dollars, loomed up strongly in their view. Toronto is a favoured region in his respect, and to us personally it would be a pleasant and favoured location. But, looking to the objects of the Association—its tendency to draw out the resources of the country—its power to stimulate the agriculturists of the province—its educational advantages, drawn from its exhibition and comparison of the cereals; the improved breeds of animals; the dairy products; the roots and fruits; the improved machinery, and labour saving implements, we felt desirous to see the annual exhibition extended as much as possible to every part of the Province, and we felt bound to vote in turn with our nephew and Belleville neighbours. We would have aided their enterprise—have helped more show grounds and palaces into existence, and have given permanency to their spirited efforts to introduce the Provincial exhibition amongst them.

Discussion will yet change the mode of conducting our exhibitions. Delegates from outside of the leading cities will combine for this purpose. Our great and costly *shows* will come every three years. The intervening exhibitions will be devoted more truly to the objects of the Association; its ex-officio members of the Board will muster their resources, and in time master their position, and we trust the columns of the *Agriculturist* will be to open all sides of the question.

The county societies must prepare the way by paying their delegates, and sending experienced and able men to represent them. They have been too long asleep and felt too little interest in the doings of their great brother, the Provincial Association.

Connected with this subject we may notice a very conservative enactment was passed at the last annual meeting at Kingston, having the effect of securing the annual exhibitions to places only which provide very costly permanent structures. Those at Kingston cost not more than \$16,000. This rule cannot now be changed without a three months advertisement in the *Agriculturist* and *Journal of Arts*, and a two-thirds vote of the Directors present. Will work, truly! A strong nail has been

driven in, favouring the large cities and places. The only way of dealing with the question now is either by Act of Parliament, or by giving the notices, warning out the county delegates—changing the system to one of a great *show* every three years, and an annual but lesser one in the intervening years.

The improvements in machinery, in the arts connected with the objects of the Association, and the exhibitions of the leading stock raisers, with their imported animals, would do very well if brought together every three years. The intervening exhibitions would bring out every year nearly all the most useful and best parts of the exhibition, and spread the contest over more parts of the Province, and bring together a portion at least of the leading agriculturists. Localities not now reached would be benefitted. Goderich, St. Catharines, Guelph, Belleville, Brockville, Perth, Cornwall, Ottawa and other localities, would all come in, in time, and could afford to participate in the Government grant for stimulating the efforts of the bone and sinew of the Province. The *Agriculturist* and *Transactions of the Board* would find more readers. The well known faces of Col. Thomson, Professor Buckland, Hon. D. Christie, R. L. Denison, along with our Stones, Snells, Fergusons, Nimmos, Millers and others would be still better known. The officers, secretaries and clerks, (all useful in their respective places) would have more sympathy and perhaps see more honest and valuable men among the homespun coats. Plain farmers, yet worthy men, gathered into cities in crowds, having no acquaintance with the officials of their great Association, dressed out in city paraphernalia it may be, sometimes meet with curt answers, and pass on when it were better otherwise. We think an effort must be made to stop the centralization of this great leading institution of our country; to introduce it to our whole people; to enlist the attention of all our farmers to its work and business; to make it what it should be—a people's association. Its resources and its expenditures are fair subjects of criticism, and should be as open and plain as daylight. Every one knows that a hurried annual meeting is not the place to inquire into these matters, and little do county delegates know of them as things now are.

The annual meeting, we think, should not be deferred until Friday, but take place on the second day of the exhibition, and continue to the third if need be. When left to the last everything is hurried—all are anxious not to be kept from home over Sunday, and hurry off by the boats and cars at the end of the week.

We propose returning to the subject of the Exhibition and Provincial Association again in future numbers, and trust other parties will discuss these matters through the *Agriculturist*.

W. O. BUELL,

Delegate S. Lanark Soc'y.

Perth 29th Sept., 1863.

AGRICULTURAL SHOWS.

For the Agriculturist:

DEAR SIR,—In looking over the accounts of the annual fairs and exhibitions which usually take place at this season of the year, I was struck with the fact that some of our breeders adopt the plan of attending at several of them and thereby secure a large amount of prizes; nor is this the only objection, the entrance of some of them at the local fairs deters others from competing, and thus one of the objects of the Association is defeated. Is not the following plan worth considering?

Let all the local exhibitions come off before the Provincial Show, and let them be confined to stock owned *within* the agricultural district or county, this would prepare them for the grand affair, at which the same cattle should not be allowed to take a money prize *two years* consecutively. A very small sum would procure a medal to be annually contended for by those exhibitors who had, in previous years won money prizes, and whose cattle should enter "priced" for sale, the judges having the power to determine whether such price was marked so as to prevent sale.

The same objection does not exist in the matter of grains and roots, but it most certainly does in arts and manufactures, as year after year are seen the same pictures, stoves, wax flowers, ladies' work, &c., &c.

W. C. CROFTON,

Toronto, October, 1863.

PLOWING—FALL OR SPRING.

This question is discussed every year, yet remains more or less unsettled. We do not now expect to dispose of it effectually, but simply to suggest a few hints worthy of consideration.

No one can deny that fall plowing saves time for doing other work in the busy season of spring. Moreover, the soil is drier in fall than in spring, and so in a better condition for working. He who has waited week after week for the spring rains to pass over and the ground to settle, will feel the force of this consideration. Again, if a piece of land is infested with grubs or other vermin, or with the roots of weeds, there is hardly a better way to subdue these pests than by throwing them up to the surface just before the winter frosts set in. Grasshoppers, the midge, and weevil, cannot thrive much after turning their houses topsy turvey, in October or November. They cannot rebuild in winter, and many of them will be killed outright. For light, sandy soil, apt to blow about in open winters, or those which are quite gravelly and porous, we question the expediency of fall plowing. But for the stiff clays, which need the action of frost to pulverise them, this is the best treatment they can receive.

A friend in Wisconsin writes to us that in all his region the farmers do as much fall plowing as they can, finishing up the balance in spring; that then they sow and harrow all together at the same time, and that in summer no one can see any difference between the growth and yield of the several fields; at harvest time, perhaps the spring-plowed land is more mellow than the fall-plowed, but the grain is worse lodged. A correspondent of a western journal claims that for spring wheat and barley, fall plowing is much preferable.—He thinks that spring wheat grown on fall plowed land, yields a better and surer crop than wheat sown in October. The exposure to atmospheric influences during the winter, mellows and enriches the seed bed to such a degree, that whenever the grain is sown it has the elements which it needs at hand ready for assimilation. The soil newly turned up has first to be prepared or mellowed, oxidized, as the chemists would call it, before it becomes fit to yield nourishment; and while this process is going on (in spring) much precious time is lost, and the growth of the plant is abbreviated in proportion, its time for tillering is cut short, and the yield cannot be as large as when it has the whole length of the season which nature seems to have set apart as that in which the plant shall make stems and leaves, previous to the formation of the seed-vessels. This certainly can be said in favour of the fall plowing of sward land intended for corn. If it is done early in the Autumn, the sod becomes partially rotted before the time comes for planting, and so sooner prepared to act as a fertilizer for the crop, than it would have been if plowed in the spring. If ever the plant wants the food of the decayed sod, it is early in the season, to give it a quick and vigorous start.

Late planting is a frequent cause of the failure of crops. After they are got into the ground, a drouth often sets in which retards the germination of the seed. We plant late, because the cold rains put us back, and because of the pressure of other work. Now, if we should do much of our plowing in the fall, we could take advantage of the first favourable weather to get our seeds in, and so gain considerable time in their growth. If we postpone all our plowing until spring, we often do the work when the land is too wet; the consequence is that it becomes lumpy and stiff-baked—a condition unfavourable for the growth of any crop, and from which the land does not fully recover in a season or two.—*American Agriculturist.*

GREAT LAND SALE.—About 90,000 acres of land in the County of Grey, C.W., are to be offered for sale at auction at the office of the resident agent in Durham, on the 20th January next.

Agricultural Intelligence.

PROTECTION OF SHEEP.

The following is the "Act for the protection of sheep in Upper Canada," which, having passed through the Upper House, in charge of Hon. Mr. Alexander, and through the Lower House, in charge of the Hon. Mr. Brown, has now become law:—

Her Majesty, by and with the advice and consent of the Legislative Council and Assembly of Canada, enacts as follows:—

1. It shall be lawful for any person to kill any dog in the act of pursuing, or worrying, or destroying sheep, elsewhere than on the land belonging to the owner of such dog.

2. On complaint made in writing on oath before any Justice of the Peace, for any city, town or county, or union of counties in Upper Canada, that any person residing in such city, town or county, or union of counties, owns or has in his possession a dog which has within six months previous worried and injured or destroyed any sheep, such Justice of the Peace may issue his summons, directed to such person, stating shortly the matter of such complaint, and requiring such person to appear before him, at a certain time and place therein stated, to answer such complaint, and to be further dealt with according to law.

3. The proceedings on such complaint and summons shall be regulated by the Act "respecting the duties of Justices of the Peace out of Sessions, in relation to summary convictions and orders," which shall apply to cases under this Act.

4. In case any person is convicted on the oath of a credible witness, of owning or having in his possession a dog which has worried and injured or destroyed any sheep, the Justice of the Peace may make an order for the killing of such dog (describing the same according to the tenor of the description given in the complaint and in the evidence,) within three days, and in default hereof, may in his discretion impose a fine upon such person, not exceeding twenty dollars with costs; and all penalties imposed under this Act shall be applied to the use of the municipality in which the defendant resides.

5. No conviction under this Act shall be a bar to any action by the owner or possessor, as aforesaid, of any sheep, for the recovery of damages for the injury done to such sheep, in respect of which such conviction is had.

6. It shall not be necessary for the plaintiff in any action of damages for injury done by a dog to sheep, to prove that the defendant was aware of the propensity of the dog to pursue or injure sheep; nor shall the liability of the owner or possessor, as aforesaid, of any dog in damages for any injury done by such dog to any sheep, depend upon his previous knowledge of the propensity of such dog to injure sheep.

7. The defendant in any action of damages for killing a dog under the first section of this Act, may plead the general issue and give this Act and the special matter in evidence.

8. This Act shall apply to Upper Canada only.

REPORT ON THE WENTWORTH TURNIP MATCH.

To the President and Directors of the Hamilton and Wentworth Agricultural Societies.

GENTLEMEN,—Having been appointed a committee to award the prizes offered by your Societies, for the best field of turnips, not less than two acres, also for the best $\frac{1}{4}$ acre of carrots, we beg leave to make the following report:—

That in the discharging our duties, we examined the different lots entered, in the following order:—

TUESDAY Morning, Oct. 20.

1st. We proceeded to the farm of Mr. Clarkson Applegarth, East Flamboro, where we examined a field of about two acres, Skirving's & Laing's, selecting a fair average of the piece; measured off 25 feet square, (being about one seventh of an acre) the proceeds of which weighed 277 $\frac{1}{2}$ lbs., equal to 440 25 60 bushels per acre, or 13 tons, 4 cwt. 25 lbs. Mr. Applegarth also entered carrots which, on measurement, was found short of the quantity required.

2nd. Mr. Thomas Stock, East Flamboro, a field of 8 acres, well cultivated and in the very best of order. Mr. Stock informed us that the seed was of his own growing, a very strong proof that Canadian grown seed is quite equal, if not superior to the imported. Measured off 25 feet square, found the yield to be 723 $\frac{1}{2}$ lbs., equal to 841 5 60 bushels per acre or 25 tons, 6 cwt. 45 lbs. Mr. Stock handed in the following as his mode of culture:—Soil sand loam, oat stubble, manured with 18 loads of farm yard manure per acre, and ploughed in fall, twice ploughed in spring, seed sown 13th and 14th June, at the rate of 3 lbs. per acre; (Matson's) cultivated three times and hoed twice. Mr. Stock also competed with carrots, (white Belgian) about one acre in the same field with turnips, and the same preparation; seed sown 27th May; 25 feet by 12 $\frac{1}{2}$ yielded 247 $\frac{1}{2}$ lbs., equal 577 3 60 bushels or 19 tons, 5 cwt., 80 lbs.

3rd. Mr. H. R. O'Reilly, on the adjoining farm to Mr. Stock, 1 acre white Belgian carrots; soil sand loam, well cultivated; measured off 25 feet by 12 $\frac{1}{2}$ feet, which produced 345 lbs., equal 806 bushels per acre, or 23 tons, 8 cwt. 70 lbs. Mr. O'Reilly did not give in his mode of culture.

4th. Mr. John Weir, West Flamboro, a very fine field of 8 acres, equal quantities, Skirving's, Matson's, and old purple top; crop very uniform, bulbs medium size; had evidently been

well attended in the hoeing season, as the crop was very clean. Measured off 25 feet square, which produced 715½ lbs., equal 884 J5 60 bushels per acre, or 25 tons 85lbs. Mr. Weir gave the following as his mode of culture:—Soil, sand loam, barley stubble, 12 loads of farm yard manure per acre, and ploughed in the fall 9 inches deep with the trench plough, cross ploughed in the spring as soon as the land became sufficiently dry, then harrowed and rolled until a fine tilth was secured; ploughed a second time about the 1st June, and again harrowed and rolled; commenced sowing on the 6th June, and finished on the 11th June; used 2¼ lbs of seed per acre; drills 28 inches asunder, in which was sown 300 lbs. of bone dust per acre. In the same field Mr. Weir had a considerable piece of Kohl Rabi, the first we have seen growing in the field in the Province. We hope he will give the result of his experience in this as a field crop, through the columns of the Canadian *Agriculturist*.

5th. Mr. Wm. Crawford, Ancaster, three acres of purple top Swede—a fair crop, with but few blanks, and very clean; soil clay loam, after barley stubble, twelve loads of farm yard manure per acre, ploughed in fall and thoroughly cultivated in spring; drills twenty-eight inches asunder, seed sown 15th June. Produce of 25 feet square, 572¾ lbs., equal to 668 12 00ths bushels per acre, or 20 tons, 92 lbs.

WEDNESDAY, October 21.

6th. William A. Cooley, Ancaster, 5 acres old purple top Swede. Soil, clay loam and black alluvial, after oat and pea stubble; twenty load of farm yard manure per acre, and ploughed in fall with trench plough, cultivated in spring, ploughed again, harrowed and rolled in the beginning of June, drills 24 inches asunder; seed sown 16th, 17th, and 25th of June, at rate of 3 lbs. per acre. Produce of 25 feet square, 598½ lbs., equal to 698 15 60ths bushels per acre, or 20 tons 18 cwt. 75 lbs.

7th. Thomas Dunbar, Ancaster, six acres Laing's and purple top, bulbs small. Produce of 25 feet square, 490¾ lbs., equal to 572 32 60ths, bushels per acre, or 17 tons 3 cwt. 52lbs.

Mr. Dunbar also competed with carrots, white Belgian, roots very small. Measured off 25 feet by 12½ feet, producing 166½ lbs., equal to 388 50 60ths bushels per acre, or 11 tons, 13 cwt. 10 lbs. We did not get his mode of culture.

8th. Mr. Jonathan Kelly, Ancaster, two acres Skirvings and Laings, bulbs large and well shaped. Soil, sand loam, clover sod, manured with farm yard manure and ploughed in fall, cultivated May 15th, ploughed second time June 1st, and harrowed, drills 28 inches asunder, seed sown June 25 and 26. Measured off 25 feet square, producing 598 lbs.,

equal to 691 50 60ths bushels per acre, or 20 tons 15 cwt. 50 lbs.

We also report that there were several pieces of mangold wurzel entered, but were not measured, in consequence of their being so very far short of crops.

We have great satisfaction in being able to speak in the highest terms of the appearance of the whole of the fields which we examined, with the exception of one or two.

We have been enabled, through the Secretary, to furnish the subjoined table, showing the maximum and the minimum yields of the competitions since 1859.

Having, we believe, fully ascertained the above mentioned facts, we feel it our duty to award the prizes as follows:—

TURNIPS.—1st, Thomas Stock, East Flamboro; 2nd, John Weir, West Flamboro; 3rd, Wm. A. Cooley, Ancaster; 4th, Jonathan Kelly, Ancaster.

CARROTS.—1st, H. R. O'Reilly, East Flamboro; 2nd, Thomas Stock, East Flamboro.

TABLE SHOWING THE YIELD OF THE DIFFERENT PIECES ENTERED FOR COMPETITION.

No.	Names.	Township.	Yield per acre.	
			Tons.	cwt. lbs.
1.	Thomas Stock,	E. Flamboro,	25	6 44
2.	John Weir,	W. Flamboro,	23	0 88
3.	W. A. Cooley,	Ancaster,	20	18 5
4.	Jonathan Kelly,	do,	20	5 10
5.	Wm. Crawford,	do,	20	0 52
6.	Thomas Dunbar,	do,	17	3 51
7.	Clarkson Applegarth,	E. Flamboro,	18	4 28
CABROTS.				
1.	H. R. O'Reilly,	E. Flamboro,	23	8 70
2.	Thomas Stock,	do,	17	5 60
3.	Thomas Dunbar,	Ancaster	11	13 20

TABLE SHOWING THE MAXIMUM AND MINIMUM YIELD OF TURNIPS FROM 1859 TO 1863.

Year.	Pieces Entered.	Maximum Yield.			Minimum Yield.		
		Tons.	cwt.	lbs.	Tons.	cwt.	lbs.
1859.	6	26	11	0	11	10	
1860.	15	39	0	0	21	12	
1861.	10	32	0	0	25	0	
1862.	11	39	0	0	21	7	
1863.	10	25	6	45	13	4	

All of which is respectfully submitted.

JAMES McMONIES.

JOHN SMITH.

THOMAS HATT.

Hamilton, Oct. 22nd, 1862.

PATENTS OF INVENTION.

BUREAU OF AGRICULTURE AND STATISTICAL PATENT OFFICE.—Quebec, Oct. 15, 1863.—His Excellency the Governor General has been pleased to grant Letters Patent of Invention for a period of fourteen years, from the date thereof, to the following persons, viz:—

Valentine Mitchell, junior, of the township of Cavan, in the County of Durham, machine and farmer, for "A Wood Cutting Machine." (Dated 12th January, 1863.)

Thomas Webster, of the Village of Brantton, in the County of Peel, for "Improved Motion for Straw Cutters." (Dated 12th January, 1863.)

Joel Hughes, of the township of West Gwillimbury, in the County of Simcoe, Farmer, for "A Cheese Press to be known as Hughes' Double Cheese Press."—(Dated 12th of January, 1863.)

Sylvester Day, of the township of Brantford, in the County of Brant, Farmer, for "A two beeled Hay Rake."—(Dated 12th Jan., 1863.)

Donald Murray, of the Village of St Mary's, in the County of Perth, Carpenter, for "An improved wood Sawing Machine."—(Dated 21st January, 1863.)

Oscar F. Shaver, of the Village of Thamesford, in the County of Oxford, Nurseryman, for "A Bag holding and weighing Machine."—(Dated 4th February 1863.)

Levi Willson McCormick, of the township of West Flamborough, in the County of Wentworth, Wheelwright, for "A Root Seed Drill."—(Dated 4th Feb., 1863.)

Thomas Penton, of the township of South Amfries, in the County of Brant, Yeoman, for "A Regulating Seed Drill."—(Dated 4th Feb., 1863.)

William Sutton, of town of Brantford, in the County of Brant, Machinist, for "An Improved rain Dryer."—(Dated 5th Feb., 1863.)

Avery D. Bacon, of the township of Malahide, in the County of Elgin, Mason, for "An Improved Beehive."—(Dated 11th of February '63.)

Burton Sanderson, of the Township of Stanstead, Machinist, "A Bit for Tapping Sugar Trees."—(Dated 13th of March 1863.)

John Pettingill, of Coaticook, in the County of Stanstead, Machinist, for "a new and useful improvement in machines for digging potatoes."—(Dated 13th of March, 1863.)

Alonzo Henry Parsons, of the Village of Stanstead Plain, in the County of Stanstead, Carpenter, and Joiner, for a new and useful Beehive, to be called "The Improved Platform beehive."—(Dated 16th March 1863.)

John Robert Martin, of the town of Cayuga, in the County of Haldimand, Barrister and Attorney at Law, for "An Improved Field Roller."—(Dated 17th of March, 1863.)

Henry Wellington Ostrom, of the Township of Sidney, in the County of Hastings, Yeoman, "A Broad Cast Grain Sower."—(Dated 21st March, 1863.)

John Shupe, of the village of St George, in the Township of Dumfries, and County of Brant, Machinist, for "A Combined Reaping and Mowing Machine."—(Dated 23rd March 1863)

George Henry Fourdunier, of the Village of Brantford, in the County of Leeds, Gentleman, for "A revolving Dessicator for drying and improving grain and for manufacturing malt."—(Dated 24th March, 1863.)

William Henry Sutton and James John Gibbons, both of the Town of Brantford, County of Brant, Machinist, "A Combined hot and cold mechanical Grain Dryer."—(Dated 6th April, 1863.)

Michael Burkholder, of Pickering, in the County of Ontario, Yeoman, for "An improved wheeled steel Toothed Horse Rake."—(Dated 8th of April, 1863.)

William Saxon Arnold, of the town, of Chatham, in the County of Kent, Carpenter, "An improvement in a wood Sawing Machine, being a Crank attached to a Pitman of the saw and a self adjusting gage for raising or lowering the saw when in motion."—(Dated 8th of April, 1863.)

William Randall of the Township of Uxbridge, in the County of Ontario, Carpenter, "An improvement in Straw Cutters called the Eccentric Straw Cutter."—(Dated 13th April, 1863.)

Freeman Clark Noxon, of Blcomfield, in the County of Prince Edward, Farmer, for "An improved Cultivator."—(Dated 17th of April, 1863.)

William Harvey Henderson, of the Town of Brockville, in the County of Leeds, Machinist, for "A Churn."—(Dated 28th of April, 1863.)

Edward Douson, of the Township of Clarke, in the County of Durham, Yeoman, for "A Root Cutter."—(Dated 13th of May, 1863.)

Charles Jones, of the village of Palermo, in the County of Halton, Assignee of Samuel Morse, of the town of Milton, in the County of Halton, Machinist, for "Improvements to Fraser's Churn."—(Dated 19th May, 1863.)

Robert Twiss Sutton, of the town of Lindsay, in the County of Victoria, Mechanic, for "A Machine or apparatus for Drying and Cooling Grain."—(Dated 19th May, 1863.)

Edward Curtois, of the town of Iberville, Machinist, for "A portable and self adjusting Fence."—(Dated 1st June, 1863.)

John Nelson, of the town of Napanee, in the County of Lennox and Addington, Machinist, for "A mode of constructing wrought iron Threshing Cylinders."—(Dated 3rd June, 1863)

Richard Sylvester, of the Township of Scarborough, in the County of York, Cradle manufacturer, for "An improved Cradle."—(Dated 3rd June, 1863)

Josiah James, of Whitchurch, in the County of York, Machinist, for "An improvement in Pumps."—(Dated 4th June, 1863)

George Bender, Zenas B. Lewis and Matthew Milward, of the village of Clifton, in the County of Welland, Gentlemen, "Improvements in Wood Sawing Machines."—(Dated 4th June, 1863)

Archibald McKillop, of the township of Inverness, in the County of Megantic, Farmer, for "A suspension Gate and Barn Door."—(Dated 8th June, 1863)

Francis T. Richmond, Lumber Merchant, and William Thomas, Carpenter, both of the City of London, in the County of Middlesex, for "the Locomotive Crosscut Sawing Machine."—(Dated 9th June, 1863.)

Richard Benson Bennett, of the Town of Belleville, in the County of Hastings, Brewer, for "An improved Stanton Plough." (Dated 18th June, 1863.)

John Walmsley, of the Village of Berlin, in the County of Waterloo, Farmer and Wagon maker, for "Improvements in Agricultural Implements for pulverizing and casting seed and other substances thereon" (Dated 18th June, 1853)

John Cameron McDougall, of Port Erie, in the County of Welland, Machinist, for "New and useful improvements in Harvesting Machines." (Dated 22nd of June, 1863)

Horticulture.

MEETING OF THE FRUIT GROWERS' ASSOCIATION OF CANADA WEST.

Pursuant to notice, a special meeting of the members of this Association was held in the Town Hall, St. Catharines, on the 7th October, Judge Logie, of Hamilton presiding, and D. W. Beadle, Esq., Secretary. There was a very fine collection of open air grapes, pears and apples on exhibition, such as we feel safe in saying can only be produced in this part of the Province. The following is a list of the varieties of fruit shown by each exhibitor, from which those who had not the pleasure of witnessing the display may form some opinion of its extent:—

M. Y. Keating, Louth—Plate of Snow Apples.

Bruce & Murray, Hamilton,—*Hardy Grapes*—Anna, Delaware, Diana, Hartford Prolific, Concord, Rebecca, Logan, Clinton, King, White Portugal, (under glass) Muscat Hamburg, Bowood Muskat, Bidwell Seedling.

C. Arnold, Paris—*Grapes*—Diana, Black Prince, a seedling.

Wm. H. Read, Port-Dalhouseie—*Grapes*—Ontario, Dalhouseie, Lincoln, Black Chief, Hattie, Silver Cluster, White Ontario, Red Lion, Black Jack, Chippewa, Diana, Delaware, North Carolina, Cauby's August, Garrigue's, Louisa, Isabella, Hartford Prolific, Isabella Seedling, Mrs. Jones, Black Seedling. *Pears*—Lawrence, Beurre Clairgeau, Gansel's Bergamot, White Doyenne, Seckel, Beurre Diel, Vicar of Wakefield, Belle Lucrative, Duchess d'Angouleme, Beurre d'Anjou, Easter Beurre. *Apples*—Anglo-American, Jeffries, Hoary Morning.

T. H. Graydon, St. Catharines—*Grapes*—(Black or Purple)—Ontario, Isabella, Concord. Louisa, Union Village, Tokalon, Clinton; (red) Rogers' No. 15, Delaware, Northern Mascadine, Diana; (white) Rogers' No. 13, Canadian Chief; Rebecca, Sweet Water, Cayuga. *Apples*—Norton Melon. *Pears*—Beurre Diel, Easter Beurre.

W. Holton, Hamilton—*Apples*—Gravenstein, Alexander, Northern Spy, Golden Russett, Vandevere, Canada Reinette, Black Detroit, Saxon, Drap d'Or, Dyer, Fameuse, Fall Jeannetting, St. Lawrence, Cooper's Red Market, Mother.

Pears—Benre d'Anjou, Beurre Clairgeau, Orwego Beurre, Grey Doyenne, Windsor, Soldat Laboreur, Bergamot Cadette, Belle Lucrative, Forelle, Columbia, McVain, Beurre Diel, Seckel.

Jas. Taylor, St. Catharines—*Grapes*—Union Village, Bebecca, Diana, Canadian Chief, Catawba, Delaware Louisa, Anna, Elsinberg.

T. R. Merritt, St. Catharines—*Apples*—English Golden Russett, American Golden Russett, Pomme Grise, Roxbury Russett, Ribston Pippin, Northern Spy, Rhode Island Greening, two varieties not named. *Pears*—Louise Bonne de Jersey, Duchess d'Angouleme, Beurre Diel.

D. W. Beadle, St. Catharines and Grantham—79 varieties of Apples, 17 varieties of Pears, and 2 Seedling Grapes.

E. Gregory, Louth—Plate of Ontario Grapes.

On organizing the meeting, the chairman explained that the object in calling this meeting was to see and test the seedling and other grapes and fruits, which could be done to better advantage now than in November, which he thought was not so good a month as October for holding the annual meeting.

It was then moved by Mr. Holton, seconded by Mr. Smith, and carried unanimously,—That the regular meeting in November be dispensed with. Mr. Holton also promised to move an amendment to the constitution regarding future meetings.

Moved by W. Holton, seconded by M. Y. Keating,—That Messrs. Bruce, Arnold, W. Read, T. H. Graydon, and James Taylor, be committee to examine the seedling and new grapes on exhibition, and report this evening.—Carried.

Moved by C. Arnold, seconded by J. Taylor.—That Pears be first taken up for discussion.

Moved by C. Arnold, seconded by M. Y. Keating,—that the Duchess d'Angouleme be added to the list for general cultivation.

Mr. Holton thought it unsafe to recommend it for general cultivation; it does not regular bear well about Hamilton; in favoured localities it produces a fair crop, while in other localities it fails altogether. Mr. W. H. Read, Port Dalhouseie, said it was but an indifferent bearer with him. Mr. Arnold, of Paris, said his experience with it was unfavourable. Mr. Graydon said he had a tree only three years planted, which bloomed finely this year but did not fruit. Mr. Taylor said it succeeded well with him. Judge Logie said that his bears a fair crop every year.—Left on the list for further trial.

Moved by Mr. W. H. Read, seconded by J. Taylor.—That the Beurre Clairgeau be added to the list for general cultivation.

Mr. Read found the tree hardy, and a good bearer; fruit of high flavour. Mr. Holton said it was comparatively a new pear, and, though very promising, had hardly been sufficiently tested in different localities. The tree grew well on pear and quince, to the extent of

observation, which had been only four years. Mr. Taylor's trees were dwarfs, but he was very favourably impressed with it, and believed it to be a very valuable pear.—Ordered on the list for further trial.

Osband's Summer.—Mr. Taylor said this was a fine fruit, and one of the best summer varieties. His tree, however, was dead, killed by the blight. Mr. Read and Mr. Arnold, of Paris, had also lost their trees from the same cause. Left for further trial.

Beurre Giffard.—Mr. Holton thought the pear worthy of being placed on the list for general cultivation. Mr. Read has fruited it on the pear stock, and found it one of the best. Messrs. Taylor and Sootizer remarked that the trees on the clay soil were not subject to blight. Left for further trial.

Grey Doyenne.—Mr. Holton thought this a fine fruit, and preferred it to white Doyenne; is a better grower than the *Beurre Giffard*. Mr. Pawling said the tree did not grow as well as the white Doyenne, but the fruit was finer. It grew on the quince better than the Bloodgood. Ordered on the list for further trial.

Beurre Diel.—T. H. Graydon—It is a fine fruit on the quince, good size and fine flavour. W. H. Holton—A fine pear on the quince, long lived and fine grower. W. H. Read—It makes a noble tree on the pear, and will keep till Christmas. Mr. Sootizer, of Thorold, finds it an excellent variety. Judge Logie has one tree on the quince, a crooked and slow grower, but the fruit very fine. Placed on list for further trial.

Some Seedling Pears exhibited by W. H. Read, were referred to Committee of Seedlings and new Grapes.

Mr. Holton called the attention of the meeting to some samples of the McVain Pear, now ripe, stating that the tree seems to be very hardy and a good grower, and promises to be valuable at the north; the fruit is of good size and medium quality. He also showed the *Beurre d'Anjou*, and remarked that he thought a very promising pear; tree grows well, makes a nice dwarf, seems hardy, and bears a medium good crop with him every year. He also exhibited some delicious specimens of the Belle Lucrative, which were tasted by the members and soon disappeared.

Rostizer.—W. Holton thought this a very fine pear, small, ripening on the 20th September; is a very sweet, spicy fruit, and the tree very hardy, fruit grows in clusters. M. Y. Keating considers it a very fine variety. Mr. Sootizer finds it a good bearer, and hardy tree, and prizes it highly. Ordered on the list for further trial.

Mr. Graydon read the report of the Committee on grapes and fruits:

Report of the Committee appointed to examine the Seedling and New Grapes Exhibited, and the Seedling Pears.

Ontario, was excluded from the list of Seed-

ling, on the ground that it had been exhibited for many years.

Prince of Wales, compared with the Ontario seemed to have less seeds in the berry; berry large. Decided by three to two as not sufficiently distinct from Ontario.

Black Jack, good seedling of Isabella.

Silver Cluster, size small, rather good, sweet.

Hattie, sweet, berry small, foreign flavour, bunch above medium.

Hybrid, between Ontario and Delaware, skin thick, pulpy, good flavour.

Shaw's Seedling, equal to Isabella, free from pulp.

Cuyahoga, skin thick, rather pulpy, fair quality.

Rodgers' Hybrid, No. 15, not pulpy, best of the new grapes, berry and bunch large.

Rodgers' Hybrid No. 13, not ripe, berry large and bunch medium.

Anna, white, too large for this locality.

White Portugal, flavour good, skin thin.

Elsinberg, not worthy of cultivation.

Seedling Pear, No. 1, recommended that it be called the "Dalhousie," and the grower requested to lay specimens of fruit before the Society next year.

T. H. GRAYDON, *Chairman*.

Concord.—Mr. Graydon thinks it will be valuable for market, but will not keep long; good bunch and berry. Mr. Taylor says it is a fine grape, one of the best, bunch large, and berry handsomely covered with bloom. W. H. Read—it is very prolific and hardy. Mr. Bruce, good market variety, hardy. Mr. Arnold—one of the best for the north, equally hardy with the Clinton. George Read thinks it well worth cultivating. Mr. Holton—a nice grape, worthy of cultivation. Mr. Beadle—is growing in favour with me every year, perfectly hardy and free from disease. Placed on the list for cultivation.

Diana.—W. H. Read—ripens late, unequally, not as hardy as Concord. Mr. Taylor—I am partial to this variety, but believe it needs a warm soil and favourable aspect. Mr. Graydon—am very much in favour of it, ripens after the Delaware, three weeks after. Mr. Bruce—succeeds pretty well in Hamilton; not yet quite ripe with me. Mr. Arnold—it cannot be depended upon at Paris; there are many green berries in the bunches, and subject to mildew and rot. Mr. Keating—vine hardy, and worthy of cultivation. Mr. Pawling—not yet fruited it, but believe it requires favourable locality. Mr. Holton—ripens uniformly, is a superior grape when well ripened. On list for further trial.

Delaware.—W. H. Read—this is as hardy as the Concord or Clinton, very good bearer, medium cluster, small berry, excellent quality, sweet and delicious. Mr. Taylor—is everything that is desirable in a grape, except size—the best of all out-of-door grapes; the foliage some-

times sun-scalds. Mr. Graydon—excellent for general culture, hardy and good, but I am not partial to the flavour, too much like sugar and water. Mr. Bruce—the best grape we have, perfectly hardy, and will perhaps ripen in any part of the Province. Mr. Arnold—fruited this year for first time, the best of our hardy grapes. Mr. Keating—very valuable. Mr. Geo. Read—just suits my taste. Mr. Pawling—one of the very best. Mr. Holton—only a pity that it is not a little larger. Mr. Beadle—it is very promising. Ordered on list for general cultivation.

Hartford Prolific.—A fair grape, early, but subject to drop from the bunch, unless grown on the new wood. Mr. Taylor—a good early black grape. Mr. Bruce—very hardy, early. Mr. Arnold—is the earliest of all grapes; has but one fault of dropping from the bunch. Mr. Pawling—perfectly hardy, and the earliest of all. Mr. Holton—a valuable variety, particularly on account of its earliness. Received for general cultivation.

Rebecca.—W. H. Read—the best American white grape, but hardly worthy of general cultivation. Mr. Taylor—it ripens after the Delaware, and is a fine grape, but requires a favourable locality. Mr. Graydon, would call it an Amateur's grape, requiring favourable aspect and soil. Mr. Bruce—is a good grape; will ripen at Hamilton. Mr. Arnold—it seems to need a warmer corner; the bunch and berry improve as the vine acquires age. Mr. Holton—a very fine grape, but seems to require nourishing. Left on list for further trial.

Allan's Hybrid.—(White)—Mr Taylor has furnished it this season; was ripe about the 15th September, is a fine white grape, high flavoured, likely to be a good bearer, finest out-door white grape I have tasted; cannot speak as to its hardiness. Is a hybrid between the Isabella and Golden Chasselas, and shows the foliage of the Chasselas. Ordered on list for trial.

Rodgers' Hybrid No. 15.—Mr. Graydon—is very hardy, early, fine flavour, large berry and fine branch, well shouldered. His No. 3 is earlier, but not so large a bunch, though larger berries, a little foxy. No. 13 is a handsome white grape, large sized berry and large cluster. Would recommend them for trial, inasmuch as they are hybrids from our native sorts.

Ontario.—W. H. Read—is a seedling of my own raising. I saved above a pint of seed, saved them from several varieties, including Isabella, a grape grown by Mr. Solomon Hill, and some of my own hybridizing, but I cannot say from which particular seed it grew, as I planted them altogether, and it is quite possible that it is a seedling from Mr. Hill's grape. My vine is about ten years old, is growing in soil prepared with the plough without any manuring, in the lower part of my dooryard that has not been cropped for many years. Mr. Solomon Hill—I have had my vine 18 or 20 years, bought it of a traveling pedlar for Virginia White Grape; I grew it two years in the

garden, I then moved it to my new garden, in clay soil, and it is now standing there. It had very little attention paid to it within the last year. I only trimmed and manured it. Last season I ringed it just after the berries were nicely set, and found it made the berries but little larger. These berries now exhibit had no special care this season, were not thinned nor thinned out in any way. Mr. Arnold—Union Village, Ontario, and Mr. Hill's grape side by side within four feet of each other, are in all respects equally situated. They fruited this year for the first time, and neither my friends who examined them nor I have been able to perceive any difference in them all, either in foliage, fruit, or flavour. It is at least ten days earlier than the Isabella. Mr. Taylor—I have Ontario and Union Village, and if my Union Village is true to name, they are certainly different varieties. Ontario is quite a desirable grape, it is earlier by ten days and decidedly superior to the Isabella. Mr. Graydon—it is good grape when you want a large bunch for show, not for wine or table use. Mr. Holton—I think it very desirable that we have further evidence as to the identity of these grapes with the Union Village, and suggest that the subject rest until another year shall give us further information.

These varieties were tasted by members, but not having an opportunity of seeing foliage and branch; the meeting concurred in Mr. Holton's suggestion.

The Silver Cluster was tasted by members. The Association and found to be sweet.

Hattie—Also tasted by members and found to be fine flavoured, sweet and rich.

Prince of Wales and Black Jack were also tasted. Mr. W. H. Read, who exhibited the above seedlings, was requested to report progress next year, and exhibit specimens of fruit again, with branch and foliage attached.

Adjourned to meet at Hamilton, on 3rd Wednesday of January, (20th). 1864.

PEARS ON GRAFTS.

MR. EDITOR;—Your remarks on my communication respecting pears on grafts, were not very complimentary. You first say you think I must have made a mistake, or in other words, my statement was not worthy of credit. In the next place you account for the way in which the mistake occurred, no doubt to your own satisfaction: that a shoot of the seedling stock on which the Doyenne had been grafted had grown up and been allowed to grow; observed for years, and that the grafts had been taken from it under the impression that it was the Doyenne. Had there been a possibility of a mistake I should not have troubled you with my communication; but, knowing there was room, I wrote in the hopes that you or some of your readers could solve what was and still is to me, a mystery. With respect,

to the way in which you supposed I made the mistake, while I do not profess to be a scientific fruit grower, I am not so negligent as to allow a shoot to grow unnoticed for years, until it was so large that I could mistake it for the tree. But to set the idea of the tree at rest, the tree from which the grafts were taken is a dwarf, and I have not seen a Quince root seed up shoots, although they may do so; but suppose such had been the case, and that I had made a mistake and taken my grafts from the quince instead of the pear; and, suppose further, the Quince had produced pears, I fancy you would have thought it as incredible, that a quince graft would produce pears, as that the pears furnished you grew on a graft of the Doyenne. The cuttings from both trees I sent you by a friend will, I think, satisfy any one that in bark, foliage, and growth, they are the same. In conclusion, I think your remarks were not calculated to elicit information or induce people to apply for it through the columns of your paper.

Respectfully yours,

L. FAIRBANKS.

Whitby, 12th October, 1863.

[It was very far from our intention to treat our correspondent's queries with indifference or discourtesy, and the few remarks we appended to his former communication will not fairly bear any such interpretation. We thought it possible that some involuntary error of observation had been made, but as he expresses himself confident such was not the case, we can only express our inability to account for the phenomenon. Perhaps some of our readers better versed in these matters than ourselves will favour us with an explanation. Mr. Fairbank's previous letter, with our remarks appended, appeared in the September number of the *Agriculturist*, page 359.—Eds.]

PEAR CULTURE.

We give below the statement of Mr. R. B. Werden, of Picton, accompanying his entry of the collection of Pears, to which "Dr. Beadle's size" of thirty-five pear trees suitable for planting out was awarded at the late Provincial Exhibition at Kingston. The statement gives the particulars in reference to each variety, as required by the conditions of the competition.

Details of Pears entered for Dr. Beadle's Prize.

Flemish Beauty, No. 1.—From over 60 varieties that I have tested, this gives the most satisfaction, being a good pear and perfectly hardy pear stock.

Beaure D. Amalis.—Good pear, great bearer, and quite hardy on both pear and quince.

Passe Colmar.—Good winter pear, quite hardy, best on pear stock.

Summer Bon Cretien.—Not very good, but tree hardy on pears and stock.

Oswego Beurre.—Good; tree not very hardy on pear.

Seckle.—Quality best; not very hardy on pear and quince.

Tyson.—Good; not very hardy on pear.

Swan's Orange.—Good large pear; tree quite hardy on pear.

Louise Bon d'Jersey.—Quality best; not hardy on pear and quince.

White Doyenne.—Quality best; not hardy.

Easter Beurre.—Does not succeed here, fruit nor tree, quince.

English Jargonelle.—Good; tree quite hardy, pear stock.

Summer Rose.—Pear not very good; tree not very hardy.

Winter Nellis.—Quality best; tree quite hardy, pear stock.

Soldat Laboureur.—Good; tree hardy, pear stock.

Desnonnes.—Very good; tree hardy, pear and quince.

Glout Morceau.—Quality best; rather tender, pear and quince.

Beurre Diel.—Good; rather tender, pear and quince.

Prince's St. Germain.—Good; rather tender, pear.

Bartlett.—Quality best; tree too tender, pear and quince.

Doyenne D'Ete.—Best early pear, hardy, pear stock.

These pears are all grown on a loamy soil, with a limestone bottom,—Township of Hallowell, Prince Edward county, Lot No. 23, Military Tract.

Post office Address, Picton.

R. B. WERDEN.

August 26, 1863.

THE FLAVOR OF FRUIT IMPROVED BY THINNING.

In the *Journal of Horticulture* are the following very judicious remarks on the propriety of thinning fruit:—"I am quite well aware that I need not tell such men as Mr. Weaver that the flavor of fruit, barring extreme sunless seasons, is entirely under the control of the gardener. A clever man can command flavor; a dull man when he finds his fruit flavorless, makes idle excuses, which should never be listened to. If a tree trained to a wall be allowed to ripen, say ten dozen of fruit, when five or six dozen only should have been left, they, although they may be of a fair size and color, suffer in flavor to an extent scarcely credible. How often has the gardener

had occasion to complain of his pears not being good, although produced on fine trees trained against walls? He complains of the season; but it is owing in most cases to the trees being allowed to bear just double the number they ought to have done. The following ought to be inscribed on every wall, and in every fruit and orchard house:—*By thinning you make indifferent fruit good. By crowding you make good fruit bad.* If very fine and high flavored fruit is wished for, a tree capable of bearing three dozen of medium-sized peaches should be allowed to bear only twelve or fifteen. This thinning is terrible work for the amateur. It is like drawing a tooth, and every fruit that falls to the ground creates a pang but it must be done. A small, sharp penknife is the best implement to employ, and is much better than tearing off the fruit with the finger and thumb. A well-formed peach or nectarine tree, be it bush or pyramid, with its fruit properly thinned and nearly ripe, is one of the most beautiful objects the skill of the cultivator can produce. No camelia, or orchid, or rose tree can be more so. Yet this is an object for which some (too many) gardeners feel contempt."

THE GRAPE INTEREST:—The Sandusky Register says that some idea of the magnitude of the grape interest thereabouts may be understood from a few simple facts. There are probably in bearing the present season, on the islands and mainland, about 1,000 acres—400 on Kelly's Island alone—of which about 700 acres are in full bearing. Another year the quantity in bearing will probably reach 2,000 acres, with a larger setting out than ever before. About 2,000,000 cuttings were made on Kelly's Island alone last Spring; probably in this entire grape region the number reached to 5,000,000.

Veterinary Department.

ON THE EXHIBITION OF ANIMAL FOOD TO HERBIVOROUS ANIMALS IN VETERINARY PRACTICE.

BY PROFESSOR VARNELL, LONDON VETERINARY COLLEGE.

A few months ago I was requested to see a horse, the property of a gentleman living at Highbury, which at the time was under the care of a Veterinary surgeon. It is not my intention to describe the particulars of the case, as they have no important bearing on the circumstances which I have lately been put in possession of relative to the horse's recovery. I may, however, remark, that at the time I saw the horse he was suffering severely from what I considered intestinal obstruction; and I

was told that the attack had then lasted three days with slight intermissions. I must confess I was unable to diagnose the case to my satisfaction, but my prognosis however was very unfavourable. I suggested a change in the treatment which I believe was carried out to the letter. I heard no more of the case until I received the following communication from the owner of the horse, informing me that the animal had recovered. I have no doubt, however, that for a time he was very weak and ill. I now come to the circumstance which to me is interesting, and I am inclined to think may be of some practical importance to others.

21st April, 1863.

SIR,—You will remember the circumstance of coming up to see one of my carriage horses, which we deemed to be "in extremis." You saw it I think on the Saturday night, and on the following day the poor animal seemed much worse, he sat up on his haunches, groaned, or rather bellowed with pain. At times he would bury his head in the straw, then rise partly and sit on his haunches again, and so continue for hours. When we got a passage through his bowels, he seemed a trifle better, but alternated between improvement and the contrary for days. My cook was making some strong stock for soup, and the idea struck my boy of giving the horse some. To his surprise the horse readily took it, and afterwards from two to three weeks I had a skin of beef boiled down for him, which he greedily took, and neighed for as soon as the smell came to his notice. He is now quite well, although, as yet, I have not worked him. I was talking to my friend Mr. Solly of the St. Thomas Hospital, the other day, and he said I ought to write and tell you about it, and to give his name as being the instigator of my doing so.

I am, Sir, &c.

To Professor Varnell.

I think the readers of the *Veterinarian* will agree with me that this incident is worth recording. I am not sure that animal food in soluble form may not become a valuable agent in our practice. We must allow that its composition and solubility admit of its being readily received into the organism and assimilated and that it would be more suitable to renovate exhausted vital powers than vegetable food. May it not then be resorted to with advantage for the purpose of averting vital exhaustion, painful articular diseases, copious discharge of extensive loss of blood; and other circumstances which might be mentioned, I would suggest that a trial be made of meat broth in cases where much wasting has taken place. We need not be over particular in removing all the fat, for as an element of respiration this may all be beneficial.—*Veterinarian.*

REASONS WHY HORSES DO NOT BREATHE THROUGH THEIR MOUTHS:—The soft palate, as it is technically called, *velum palati*, is a sort of curtain affixed to the roof of the mouth, in the region of the palatine arch; it has a free edge which rests upon the epiglottis. It slants in a posterior direction, so that anything in the shape of food coming from the mouth, raises and pushes it backward; but anything coming from the œsophagus or trachea, pushes it forward and downward, closes it, and thus prevents all egress. So that air is expired and respired through the nasal outlet, and all matter vomited from the stomach must also be ejected through the nostrils. In the act of coughing, however, which is a spasmodic action, the air returns in body and with force sufficient to raise the *velum palati*, so that a passage through the mouth is, at the moment, secured.

The mechanism of the palate is as follows: Its composition is nearly the same as that of the hard palate, yet abounds more in glandular substance and muscular fibre; by means of the levator palati, its substance is raised. On the lateral and internal portion of the membrane we find bundles of muscular fibres, constituting a pair of muscles known as *depressors*, which aid in retaining the palate in its place, viz., on the epiglottis. From the above brief remarks the reader will perceive that it is not natural for a horse to breathe through his mouth.

DIPHTHERIA AMONG ARMY HORSES.—A new disease seems to have lately broken out among the horses in some of the army camps. J. H. Thompson, surgeon of the Thirty-ninth New York Volunteers, stationed at Williams, Va., thus describes its symptoms and effect:—"Four horses died in one battery within a few hours of each other. They appeared well in the morning, refused a portion of their oats at mid-day and in the evening could not swallow anything; rapid exhaustion followed, and in a few hours they died. On opening the animals, the mouth, larynx, and trachea were found covered with diphtheritic membranes somewhat thicker and more tenacious, but in other respects resembling that found in the human subject in cases of diphtheria. If this is diphtheria in the horse, and I know of nothing else it is likely to be, is it with them a new disease? Or is it only new to me, because I am ignorant of its previous existence? Certainly none of the persons having charge of the Government horses around here know anything of the disease." It is to be hoped that this notice will arrest the attention of scientific veterinary surgeons, and that they will be able to apply a remedy.—*Scientific American*.

LINEN VERSUS COTTON.—The Belfast (Ireland) *Northern Whig* shows that there are now linens of a coarse kind not only relatively absolutely cheaper than cotton. Samples are shown of an Irish power loom linen at five and one quarter penny per yard, and calico at five and seven eighths penny per yard. The linen is undoubtedly the better and more durable, as well as the cheaper article of the two, though naturally somewhat coarser.

Transactions.

LIST OF PRIZES AWARDED AT THE PROVINCIAL EXHIBITION AT KINGSTON. SEPT. 22 TO 25, 1863.

HORSES.

CLASS I—BLOOD HORSES—(15 Entries).

Judges.—Wm. O'Brien, Barrie; Henry Battell, Cobourg; and G. Taylor, Belleville.

Best thorough-bred stallion, C. J. Douglass, Whitechurch, "The Tester," imported from England, 1863, \$120; 2nd do, C. Arkland, Oshawa, "Kennett," \$25; 3rd do, Simon Beattie, Markham, "Young Irish Birdcatcher," \$12.

Best thorough-bred stallion of any age, C. J. Douglas, Whitechurch, "The Tester," Diploma.

REMARKS BY JUDGES.—The judges beg to say that the show of thorough-bred stallions was unusually good, better than they have seen in Upper Canada for many years, there being several horses of new importation, excellent blood and first rate quality.

CLASS II—AGRICULTURAL HORSES—(Entries).

Judges.—John Tilt, Toronto Township; Peter Wood, Picton; George Milne, Brougham.

Best stallion for agricultural purposes, Thomas Gowland, Seneca, \$40; 2nd do, George Gowland, Vaughan, \$25; 3rd do, Hector Scott, Darlington.

Best three years old stallion, Henry Smith, Kingston, \$22.

Best two years old stallion, R. Graham, Markham, \$14; 2nd do, Jas. Nimmo, Camden East, \$10.

Best agricultural stallion any age, Thomas Gowland, Seneca, Diploma.

Best three years old filly, Reuben Spooner, Glenburnie, \$18.

Best two years old filly, F. Van Slyck, Ernestown, \$14; 2nd do, William Thomson, E. Whitby, \$9; 3rd do, James Nimmo, Camden East, \$5.

Best brood mare and foal, or evidence that the foal has been lost, Duncan McConnachie, Clark, \$22; 2nd do, P. R. Wright, Cobourg, \$14; 3rd do, M. Willburn, Kingston, \$6.

Best span matched farm or team horses, H. M. Wright, Camden, \$20; 2nd do W. H. Rankin, Kingston, \$15; 3rd do, T. Donovan, Kingston, \$10.

REMARK.—The judges wish to remark that in the above class they regret that through the negligence of the owners in not bringing their animals on the ground, some of the entries have not been judged.

CLASS III.—ROAD OR CARRIAGE HORSES—
(250 Entries).

Judges.—Ira Morgan, Osgoode; R. Crysler, Delhi, Norfolk; and Francis Smith, Newmarket.

Best roadster or carriage stallion, four years old and upwards, James Armstrong, Yarmouth, \$40; 2nd do, C. L. Waggoner, Kingston, \$25; 3rd do, Joseph Pierson, Hillier, \$12.

Best do, three years old, John Levitt, York Tp., \$22.

Best do, 2 years old; S. Hatton, Port Hope, \$14; 2nd do, Wm. Stanton, Picton, \$10; 3rd do, George Lake, Camden East.

Best yearling colt, F. Graham, Belleville, \$8; 3rd do, James Kirk, Kingston, \$4.

Best stallion of any age, Jas. Armstrong, Yarmouth, Diploma.

Best French Canadian stallion, Jas Johnston, Toronto tp., \$30; 2nd do, W. O'Reilly, Kingston tp., \$20; 3rd do, I. N. Rose, Morrisburgh, \$10.

Best three years old roadster filly, R. Spooner, Glenburnie, \$18; 2nd do, L. F. Fralick, Ernestown, \$11.

Best yearling filly, P. McCallum, Pitts-
burgh, \$8

Best brood mare and foal; or evidence of foal having been lost, Felix Graham, Belleville, \$22; 2nd do, John N. Amey, Camden, \$14; 3rd do, Alex. Stewart, Kingston, \$6.

Best pair of matched carriage horses, G. S. Daintry, Cobourg, \$20; 2nd do, H. M. Wright, Camden, \$15; 3rd do, R. C. Gorrs-
line, Tyendinaga, \$10.

Best single carriage horse in harness, J. H. Allan, Picton, \$10; 2nd do, T. E. Young, Athol, \$8; 3rd do, W. W. Cunningham, Hallowell, \$6.

Best saddle horse, E. Howard, Lennox, \$10; 2nd do, John Duff, Kingston, \$8; 3rd do, John Duff, Kingston, \$6.

EXTRA PRIZES—New Forest poney, B. A. McDonald, Toronto, \$4; pair of poneys, G. Webb, Colborne, \$3; poney, A. D. Fraser, S. Fredericksburgh, \$2.

CLASS IV.—HEAVY DRAUGHT HORSES—(42 Entries).

Judges.—James Biggins, Clinton; T. Dempster, Gananoque; and A. Alcorn, Cobourg.

Best heavy draught stallion, Robt. Farris, E. Whitby, \$40; 2nd do, Joseph Thompson, Markham, \$25; 3rd do, John Sanderson, Markham, \$12.

Best 3 years old stallion, John Sanderson, Markham, \$22; 2nd do, D. McConnachie, Clark, \$14.

Best 2 years old stallion, John Miller, Pickering, \$14; 2nd do, James Nimmo, Camden, \$10.

Best draught stallion, any age, John Miller, Pickering, Diploma.

Best 3 years old filly, Thomas Worden, Darlington, \$18; 2nd do, James Logan, Hochelaga, C. E., \$11; 3rd do, Reuben Spooner, Glenburnie, \$6.

Best 2 years old filly, James Logan, Hochelaga, C. E. \$14; 2nd do, James Logan, Hochelaga, \$9.

Best Brood mare and foal, or evidence that the foal has been lost, John Miller, Pickering, \$22; 2nd do James Nimmo, Camden E., \$14.

CLASS V.—THE PRINCE OF WALES' PRIZE—
HORSE OF ANY AGE OR BREED.—(27 Entries.)

Judges.—Ira Morgan, R. Crysler, John Tilt, Francis Smith, James Biggins, Henry Battell, and Alex. Alcorn.

For the best stallion of any age or blood; prize presented by his Royal Highness the Prince of Wales, James Armstrong, Yarmouth, \$60.

REMARK.—The judges of horses feel it incumbent on them to express their opinion of the satisfactory manner in which the deputy superintendents performed their arduous duties, and the assistance they gave to the judges in carrying out the necessary arrangements and work of their department

CATTLE.

CLASS VI.—DURHAMS—(78 Entries).

Judges.—John McCrea, Guelph; Wm. Stork, Gananoque; Wm. Thorne, Lindsay; J. P. Wheeler, Scarboro; A. Alcorn, Cobourg; and C. Jordison, Belleville.

Best bull, 4 years old and upwards, John Bellwood, Clarke, "Robin Hood," \$36; 2nd do, Wm. Percival, Amherst Island, "Fancy," \$24; 3rd do, John Flanigan, Kingston, "St. Patrick," \$16.

Best 3 years old bull, John Miller, Pickering, "Canadian Punch," \$32; 2nd do, Geo. H. Phillips, Prescott, "Master Maradan," \$20; 3rd do, Wm. Percival, Amherst Island, "Maxwell," \$12.

Best 2 years old bull, John Snell, Chinguacousy, "Baron Solway," \$24; 2nd do, Wm. Woods, Thurlow, "Commodore," \$16; 3rd do, Thomas Stock, Flamborough East, "Beauregard," \$8.

Best 1 year old bull, John Miller, Pickering, "Prince Charlie," \$20; 2nd do, John Snell, Chinguacousy, "Friar John," \$12; 3rd do, John Bellwood, Clarke, "Wild Prince," \$7.

Best bull calf [under 1 year], John Snell, Chinguacousy, "Clayton," \$16; 2nd do, do, "Alto," \$10; 3rd do, John Miller, Pickering, "Hubback," \$6.

Best bull of any age, John Snell, Chinguacousy, "Baron Solway," Diploma.

Best Cow, F. W. Stone, Guelph, "Isabella 4th," \$20; 2nd do, Thos. Stock, East Flamboro, "Betsy," \$12; 3rd do, F. W. Stone, Guelph, "Marchioness of Gloster," \$8. Highly commended, Dr. G. H. Phillips, Prescott, "Fragrance."

Best 3 years old cow, F. W. Stone, Guelph, "Verbena," \$16; 2nd do, Jas. Vine, Louth, "Blossom," \$10; 3rd do, Simon Beattie, Markham, "Sarah," \$6.

Best 2 years old heifer, F. W. Stone, Guelph, "Maid of Honor," \$12; 2nd do, do, do, "Sanspareil 7th," \$8; 3rd do, Henry Jennings, Markham, "Lady Ann," \$5.

Best 1 year old heifer, F. W. Stone, Guelph, "Marchioness of Gloster 2d," \$10; 2nd do, do, do, "Isabella 7th," \$6; 3rd do, do, do, "Isabella 8th," \$5.

Best heifer calf [under 1 year], F. W. Stone, "Sanspareil 10th," \$6; 2nd do, Jno. Snell, Chinguacousy, "Mary Grey," \$4; 3rd do, F. W. Stone, Guelph, "Duchess of Oxford 3d," \$2.

REMARK.—The judges of Durham cattle regret that so few animals were exhibited in

this class, and that even of those entered so many were missing in the show ground, even on Wednesday, to which day we left the decisions open.

CLASS VII.—DEVONS—(45 Entries).

Judges.—Robert Currie, St. Catherines; Wm. Penhall, Reach; and Martin Johnson, Barrie.

Best bull 4 years old and upwards, George Mann, Bowmanville, "Devonian," \$36; 2nd do, Chris. Courtice, Darlington, "Conquerer," \$24; 3rd do, do, do, "Duke," \$16.

Best 3 years old bull, H. Spencer, Whitby, "Prince of Wales," \$32; 2nd do, Thomas Allan, Whitby, "Rufus," \$20; 3rd do, Jno. Goodall, Dumfries, "Napoleon," \$12.

Best 2 years old bull, Geo McGill, East Whitby, "Garibaldi," \$24; 2nd do, Nathan Choat, Hope, "Young Torrance," \$16; 3rd do, do, do, "Sir Luton 4th," \$8.

Best one year old bull, Chris. Courtice, Darlington, "Governor," \$20; 2nd do, Thos. Allen, Whitby, "Prince of Wales," \$12; 3rd do, Chris. Courtice, Darlington, "Prince Alfred," \$7.

Best bull calf, under one year, Chris. Courtice, Darlington, "Emperor," \$16; 2nd do, do, do, "General Pelissier," \$10; 3rd do, N. Choate, Hope, "Sir John," \$6.

Best bull of any age, H. Spencer, Whitby, "Prince of Wales," Diploma.

Best cow, C. Courtice, Darlington, "Stateley," \$20; 2nd do, do, do, "Beauty," \$12; 3rd do, do, do, "Graceful," \$8.

Best 3 years old cow, C. Courtice, Darlington, "Gay Lass," \$16.

Best 2 years old heifer, George McGill, East Whitby, "Primrose," \$12; 2nd do, C. Courtice, Darlington, "Graceful 2d," \$8.

Best one year old heifer, C. Courtice, Darlington, "Florence Nightingale," \$10; 2nd do, do, do, "Picture," \$6.

Best heifer calf, under one year, C. Courtice, Darlington, \$6; 2nd do, do, do, \$4.

CLASS VIII.—HEREFORDS,—(22 Entries.)

Judges.—James Croil, Morrisburgh; and C. W. Huffman, Ernestown.

Best 3 years old bull, F. W. Stone, Guelph, "Patriot," \$32.

Best 2 years old bull, F. W. Stone, Guelph, "Sailor," \$24.

Best 1 year old bull, F. W. Stone, Guelph, "Guelph," \$20.

Best bull calf under 1 year, F. W. Stone, Guelph, \$16; 2nd do, do, \$10.

Best bull of any age, F. W. Stone, Guelph, "Sailor," Dip.

Best cow, F. W. Stone, Guelph, "Bonny Lass," \$20; 2nd do, do, do, "Hebe," \$12; 3rd do, do, do, "Verbena," \$8.

Best 3 years old cow, F. W. Stone, Guelph, "Graceful," \$16; 2nd do, do, do, "Gentle 2d," \$10.

Best 2 years old heifer, F. W. Stone, Guelph, "Sweetheart," \$12; 2nd do, do, do, "Peach," \$8.

Best 1 year old heifer, do, do, "Baroness 2d," \$10; 2nd do, do, do, "Necklace," \$6; 3rd do, do, do, "Gentle 3d," \$4.

Best heifer calf under 1 year, do, do, "Hebe 2d," \$6; 2nd do, do, do, \$4.

CLASS IX.—AYRSHIRES.—(90 Entries.)

Judges.—C. H. Bell, Perth, Lanark; Wm. Smith, Frankville; Richard Arnold, Brockville.

Best bull 4 years old and upwards, C. D. M. Globinsky, Montreal, "Hero," \$36; 2nd do, Arch. Fraser, Charlottetown, \$24.

Best 3 years old bull, James Nimmo, Camden E., "Sir W. Scott," \$32; 2nd do, Jas. Logan, Hochelaga, C. E. "Fusileer," \$20; 3rd do, G. K. Morton, Morton, "Prince of Wales," \$12.

Best 2 years old bull, J. P. Wheler, Scarborough, "Carriek Farmer," \$24.

Best 1 year old bull, Jas. Logan, Hochelaga, "Sir Colin 2d," \$20; 2nd do, G. K. Morton, Morton, "President Lincoln," \$12; 3rd do, P. R. Wright, Cobourg, "John A.," \$7.

Best bull calf under 1 year, Geo. Miller, Markham, \$16; 2nd do, John Boyes, Pittsburgh, \$10.

Best bull of any age, Jas. Nimmo, Camden E., "Sir W. Scott, diploma.

Best cow, P. R. Wright, Cobourg, "Peerless," \$20; 2nd do, Jas. Logan, Hochelaga, "Belle," \$12; 3rd do, J. P. Wheler, Scarborough, "Beauty," \$8.

Best 3 years old cow, P. R. Wright, Cobourg, "Nelly Brown," \$16; 2nd do, Jas. Logan, Hochelaga, "Bonny Jean," \$10; 3rd do, J. P. Wheler, Scarborough, "Mary Gray," \$6.

Best 2 years old heifer, James Logan, Montreal, "Matilda," \$12; 2nd do, John Miller, Pickering, "Dolly," \$8; 3rd do, G. K. Morton, Morton, "Beauty," \$4.

Best 1 year old heifer, S. Beattie, Markham, "Mountain Maid," \$10; 2nd do, P. R. Wright, Cobourg, "Bessy Bell," \$6; 3rd do, do, do, "Mary Gray," \$4.

Best heifer calf under 1 year, J. Boyes, Pittsburgh, \$6; 2nd do, G. K. Morton, Morton, "Gesty," \$4; 3rd do, P. R. Wright, Cobourg, "Bridesmaid," \$2.

CLASS X.—GALLOWAY, AND POLLED ANGUS, OR ABERDEEN CATTLE,—(56 Entries.)

Judges.—John Carveth, Port Hope; Geo. Roddick, Port Hope; Charles Girvin Goderich.

Best bull four years old and upwards, John Snell, Chinguacousy, "Black Jock," \$36; 2nd do, James Nimmo, Camden East, "Prince of Wales," \$24.

Best three years old bull, George Anderson, Stanley, "Douglass," \$32; 2nd do, Robert Currie, Grantham, "Clear Grit," \$20; 3rd do, E. W. Thomson, York, "Prince of Wales," \$12.

Best two years old bull, John McClain, Essa, "Rob Roy," \$24; 2nd do, Allan Bond, Storrington, \$16.

Best one year old bull, James Nimmo, Camden East, "Prince Alfred," \$20; 2nd do, John Snell, Chinguacousy, "Malcolm," \$12.

Best bull calf, under one year, do, do, "Roderich Dhu," \$16; 2nd do, do, do, "Robert Bruce," \$10; 3rd do, M. Johnson, Barrie, \$6.

Best bull of any age, George Anderson, Stanley, "Douglass," Diploma.

Best cow, John Snell, Chinguacousy, "Blooming Heather," \$20; 2nd do, James Nimmo, Camden East, "Queen Victoria," \$12; 3rd do, do, do, "Lady Adde," \$8.

Best three years old cow, George Miller, Markham, \$16.

Best two years old heifer, John Snell, Chinguacousy, "Levina," \$12; 2nd do, James Nimmo, Camden East, "Jenny Lind," \$8; 3rd do, George Miller, Markham, \$5.

Best one year old heifer, John Snell, Chinguacousy, "Pocahontas," \$10; 2nd do, James Nimmo, Camden East, "Mary Allen," \$6; 3rd do, John Snell, Chinguacousy, "Cherry," \$4.

Best heifer calf under one year, George Miller, Markham, \$6; 2nd do, John Snell, Chinguacousy, \$4; 3rd do, George Miller, Markham, \$2.

REMARKS.—The judges in the class of Polled Angus and Galloway cattle consider that the two breeds should be distinctly classified, as a variety of opinions appear to exist as to which of the two is best, and dissatisfaction is felt by exhibitors towards the

judges for giving preference to the class they think best adapted to the country.

CLASS XI.—GRADE CATTLE—(67 Entries)

Judges.—A. D. Fraser, Lennox; James Archibald, North Hastings; E. W. Thomson, York Township.

Best grade cow, Thomas Stock, E. Flamboro, \$20; 2nd do, do, do, \$12; 3rd do, S. Shibley, Portland, \$8.

Best 3 years old cow, James Bellwood, Clarke, \$16; 2nd do, Wm. Starke, Pittsburgh, \$10; 3rd do, R. Spooner, Kingston, \$6.

Best 2 years old heifer, James Fisher, Portsmouth, \$12; 2nd do, James Bellwood, Clarke, \$8, 3rd do, Wm. Starke, Pittsburgh, \$5.

Best 1 year old heifer, W. Miller, jr, Pickering, \$10; 2nd do, James Bellwood, Clarke, \$6; 3rd do, James Fisher, Portsmouth, \$4.

Best heifer calf, under 1 year, Isaac N. Rose, Morrisburgh, \$6; 2nd do, Wm. Perceval, Amherst Island, \$4; 3rd do I. N. Rose, Morrisburgh, \$2.

THE FERGUS CUP.

Best grade heifer, not more than two years old on March 1, 1863, the produce of a pure bred Durham bull, having a recorded pedigree, and of a cow of any breed not more than one remove from thorough bred. Prize presented by Hon. A. J. Fergusson Blair, W. Miller, jr., Pickering, SILVER CUP.

REMARK BY JUDGES.—The grade cattle altogether are of a superior quality, and would pass among judges generally for thorough bred.

CLASS XII.—FAT AND WORKING CATTLE, ANY BREED—(32 Entries).

Judges.—P. Armstrong, Toronto; Robert Best, Niagara; H. Andrews, Kingston; and R. Kirkwood, Hamilton.

Best fat cow or heifer, John Mitcheltree, Westminster, \$30; 2nd do, John Wilson, Toronto Tp., \$20.

Best yoke of working oxen, W. W. Nelles, Norwich, \$20; 2nd do, N. A. Briseoe, Ernestown, \$12; 3rd do, Chris. Bush, Ernestown, \$8.

Best yoke 3 years old steers, R. Spooner, Kingston, \$16; 2nd do, Hiram Spooner, Storrington, \$10.

Best team of oxen, not less than ten yoke from one township, the property of any number of persons, James Gibson, Kingston, \$40.

SHEEP, LONG WOOLLED.

CLASS XIII.—LEICESTERS.—(111 Entries.)

Judges.—John Foott, Belleville; John Cullis, Cobourg; Alexander Jeffrey, Whitby; R. A. Hartley, Chinguacousy; J. Salkeld, Stratford; and James Craig, Belmont.

Best ram, two shears and over, Jno. Miller, Pickering, \$16; 2nd do, George Miller, \$10; 3rd do, John Snell, Chinguacousy, \$5.

Best shearling ram, John Snell, Chinguacousy, \$16; 2nd do, P. R. Wright, Cobourg, \$10; 3rd do, George Miller, Markham, \$5.

Best ram lamb, George Jackson, Gore of Toronto, \$8; 2nd do, P. R. Wright, Cobourg, \$4; 3rd do, N. Bethell, Grantham, \$2.

Best two ewes, two shears and over, Geo. Miller, Markham, \$16; 2nd do, John Snell, Chinguacousy, \$11; 3rd do, John Miller, Pickering, \$6.

Best two shearling ewes, John Snell, Chinguacousy, \$12; 2nd do, George Miller, Markham, \$8; 3rd do, John Miller, Pickering, \$4.

Best two ewe lambs, George Jackson, Gore of Toronto, \$6; 2nd do, do, do, \$4; 3rd do, John Miller, Pickering, \$2.

REMARK.—Your Judges would recommend that aged ewes should not be allowed to compete unless they have had lambs that season.

CLASS XIV.—COTSWOLDS.—(54 Entries.)

Judges.—M. Jones, Bowmanville; W. Whitelaw, Guelph; John Carter, Markham; and Joseph Kirby, Esquesing.

Best ram, two shears and over, George Miller, Markham, \$16; 2nd do, John Snell, Chinguacousy, \$10; 3rd do, F. W. Stone, Guelph, \$5.

Best shearling ram, Walker Unwin, St. Mary's; imported from England in 1863, \$48; 2nd do, F. W. Stone, Guelph, \$10; 3rd do, George Miller Markham, \$5.

Best ram lamb, John Snell, Chinguacousy, \$8; 2nd do, do, do, \$4; 3rd do, George Miller, Markham, \$2.

Best two ewes, two shears and over, Geo. Miller, Markham, \$16; 2nd do, F. W. Stone, Guelph, \$11; 3rd do, do, do, \$6.

Best two shearling ewes, John Snell, Chinguacousy, \$12; 2nd do, F. W. Stone, Guelph, \$8; 3rd do, George Miller, Markham, \$4.

Best two ewe lambs, John Snell, Chinguacousy \$6; 2nd do, do, do, \$4; 3rd do, George Miller, Markham, \$2.

REMARK BY JUDGES.—The exhibition of Cotswold sheep has been very limited in extent, but the quality is as good as usual.

CLASS XV.—OTHER LONG WOOLLED SHEEP, NOT LEICESTERS OR COTSWOLDS.

(92 Entries.)

Judges.—D. Hooper, Newburgh; W. Elliott, Iroquois; and G. Sproatt, jun., Harpurhey.

Best ram, two shears and over, Simon Beattie, Markham, \$16; 2nd do, Henry Jennings, Markham, \$10; 3rd do, John Snell, Chinguacousy, \$5.

Best shearling ram, John Snell, Chinguacousy, \$16; 2nd do, Geo. Miller, Markham, \$10; 3rd do, John Snell, Chinguacousy, \$5.

Best ram lamb, George Jackson, Gore of Toronto, \$8; 2nd do, do, do, \$4; 3rd do, George Miller, Markham, \$2.

Best two ewes, two shears and over, John Snell, Chinguacousy, \$16; 2nd do, John Miller, Pickering, \$11; 3rd do, George Miller, Markham, \$6.

Best two shearling ewes, Alfred Jeffrey, Vaughan, \$12; 2nd do, Geo. Miller, Markham, \$8; 3rd do, John Miller, Pickering, \$4.

Best two ewe lambs, John Snell, Chinguacousy, \$6; 2nd do, George Miller, Markham, \$4; 3rd do, J. Miller, Pickering, \$2.

SHEEP, MEDIUM WOOLLED.

CLASS XVI.—SOUTH DOWNS—(48 Entries).

Judges.—D. Perley, Brantford; N. Choate, Port Hope; and Ed. Jones, Thorold.

Best ram, two shears and over, F. W. Stone, Guelph, \$16; 2nd do, James Vine, St. Catharines, \$10; 3rd do, F. W. Stone, Guelph, \$5.

Best shearling ram, F. W. Stone, Guelph, \$16; 2nd do, N. Bethell, Grantham, \$10; 3rd do, do, do, \$5.

Best ram lamb, H. Spencer, Whitby, \$8; 2nd do, F. W. Stone, Guelph, \$4; 3rd do, do, do, \$2.

Best two ewes, two shears and over, Jas. Vine, St. Catharines, \$16; 2nd do, F. W. Stone, Guelph, \$11; 3rd do, N. Bethell, Grantham, \$6.

Best two shearling ewes, F. W. Stone, Guelph, \$12; 2nd do, N. Bethell, Grantham, \$8; 3rd do, F. W. Stone, Guelph, \$4.

Best two ewe lambs, N. Bethell, Grantham, \$6; 2nd do, F. W. Stone, Guelph, \$4; 3rd do, P. R. Davy, Ernestown, \$2.

CLASS XVII.—CHEVIOTS—(26 Entries).

Judges.—T. Allen, Whitby; J. B. Aylsworth, Newburgh; and D. Milligan, Port Hope.

Best ram, two shears and over, Thomas Guy, Oshawa, \$16; 2nd do, David Elliott, Grafton, \$10; 3rd do, George Miller, Markham, \$5.

Best shearling ram, D. Elliott, Grafton, \$16; 2nd do, Thos. Guy, Oshawa, \$10.

Best ram lamb, D. Elliott, Grafton, \$8; 2nd do, George Miller, Markham, \$4; 3rd do, Thos. Guy, Oshawa, \$2.

Best two ewes, two shears and over, Geo. Miller, Markham, \$16; 2nd do, Thos. Guy, Oshawa, \$11; 3rd do, D. Elliott, Grafton, \$6.

Best two shearling ewes, George Miller, Markham, \$12; 2nd do, D. Elliott, Grafton, \$8; 3rd do, do, do, \$4.

Best two ewe lambs, G. Miller, Markham, \$6; 2nd do, D. Elliott, Grafton, \$4; 3rd do, do, do, \$2.

CLASS XVIII.—OTHER MEDIUM WOOLLED SHEEP, NOT SOUTH DOWNS OR CHEVIOTS—

(49 Entries.)

Judges.—The same as for class xvii.

Best ram 2 shears and over, H. Spencer, Whitby, \$16; 2nd do, Geo. Miller, Markham, \$10; 3rd do, H. Spencer, Whitby, \$5.

Best shearling ram, H. Spencer, Whitby, \$16; 2nd do, Geo. Miller, Markham, \$10; 3rd do, H. Spencer, Whitby, \$5.

Best ram lamb, G. Miller, Markham, \$8; 2nd do, H. Spencer, Whitby, \$4; 3rd do, George Miller, Markham, \$2.

Best 2 ewes two shears and over, George Miller, Markham, \$16; 2nd do, H. Spencer, Whitby, \$11; 3rd do, George Miller, Markham, \$6.

Best 2 shearling ewes, G. Miller, Markham, \$12.

Best 2 ewe lambs, Geo. Miller, Markham, \$6; 2nd do, do, do, \$4.

SHEEP—FINE WOOLLED.

CLASS XIX.—MERINOS AND SAXONS—(44 Entries).

Judges.—A. Wilson, Maitland; T. Gowland, Seneca; and C. B. Jennings, Niagara Co., N. Y.

Best ram, 2 shears and over, A. Young, Ryckman's Corners, \$16; 2nd do, Jacob Rymal, Ryckman's Corners, \$10; 3rd do, E. Arkland, Oshawa, \$5.

Best shearling ram, Alex. Young, Ryckman's Corners, \$16; 2nd do, E. Arkland,

Oshawa, \$10; 3rd do, Jacob Rymal, Ryckman's Corners, \$5.

Best ram lamb, E. Arkland, Oshawa, \$8; 2nd do, A. Young, Ryckman's Corners, \$4; 3rd do, Jacob Rymal, Ryckman's Corners, \$2.

Best 2 ewes, 2 shears and over, E. Arkland, Oshawa, \$16; 2nd do, Jacob Rymal, Ryckman's Corners, \$11; 3rd do, A. Young, Ryckman's Corners, \$6.

Best 2 shearling ewes, J. Rymal, Ryckman's Corners, \$12; 2nd do, A. Young, Ryckman's Corners, \$8.

Best 2 ewe lambs, E. Arkland, Oshawa, \$6; 2nd do, A. Young, Ryckman's Corners, \$4; 3rd do, J. Rymal, Ryckman's Corners, \$2.

CLASS XX.—OTHER FINE WOOLED SHEEP, NOT MERINOS OR SAXONS—(18 Entries).

Judges—The same as for class xix.

Best ram, 2 shears and over, J. H. Peck, Ameliasburg, (Silesian), imported from United States 1863, \$32.

Best two ewes, two shears and over, J. H. Peck, Ameliasburg, (Silesian), imported from U. S. 1863, \$24.

Best two shearling ewes, J. H. Peck, Ameliasburg, (Silesian), imported from U. S. 1863, \$18.

Best two ewe lambs, J. H. Peck, Ameliasburg, (Silesian), imported from U.S. 1863, \$9.

CLASS XXI.—FAT SHEEP AND EXTRAS—(36 Entries).

Judges.—Philip Armstrong, Toronto; R. Best, Niagara; H. Andrews, Kingston; and R. Kirkwood, Hamilton.

Best two fat wethers, John Wilson, Toronto Tp., \$12.

Best two fat ewes, F. W. Stone, Guelph, \$12; 2nd do, George Jackson, Gore of Toronto, \$8; 3rd do, Alfred Jeffrey, Vaughan, \$4.

EXTRA ENTRIES IN SHEEP.—One ram, two shears and over, three shearling rams, four ram lambs, six ewes, eight shearling ewes, and eight ewe lambs, all exhibited by George Jackson, Gore of Toronto, cross-bred, one prize recommended for the lot, \$16.

PIGS—LARGE BREEDS.

CLASS XXII.—YORKSHIRES—(24 Entries).

Judges.—H. D. Smith, Aldborough; James Miller, Spencerville; and Henry Ketcheson, North Hastings.

Best boar, 1 year and over, C. A. Jordison, Sidney, \$15; 2nd do, J. P. Wheler, Scarboro, \$10.

Best Boar, under one year, James Logan, Hochelaga, C. E., \$10; 2nd do, James Main, Trafalgar, \$6; 3rd do, C. A. Jordison, Sidney, \$4.

Best breeding sow, 1 year and over, J. P. Wheler, Scarboro, \$10; 2nd do, James Logan, Hochelaga, C. E., \$7; 3rd do, do, do, \$4.

Best sow, under 1 year old, James Logan, Hochelaga, C. E., \$5; 2nd do, C. A. Jordison, Sidney, \$4; 3rd do, James Logan, Hochelaga, \$3.

CLASS XXIII.—LARGE BERKSHIRES—(10 Entries).

Judges—The same as for class xxii.

Best boar, one year and over, Peter Sewell, Kingston, \$15; 2nd do, G. K. Morton, Morton, \$10.

Best boar, under one year, A. McMillan, Kingston, \$10; 2nd do, do, do, \$6; 3rd do, G. K. Morton, Morton, \$4.

Best breeding sow, one year and over, James Main, Trafalgar, \$10; 2nd do, G. K. Morton, Morton, \$6.

Best sow, under one year old, A. McMillan, Kingston, \$5; 2nd do, G. K. Morton, Morton, \$4.

CLASS XXIV.—ALL OTHER LARGE BREEDS—(38 Entries).

Judges.—The same as for class xxii.

Best boar, one year and over, T. T. Cavanagh, Jefferson Co., N.Y., \$15; 2nd do, A. C. Clark, Jefferson Co., N.Y., \$10; 3rd do, J. R. Denner, Bath, \$6.

Best boar, under one year, T. T. Cavanagh, Jefferson Co., N.Y., \$10; 2nd do, do, do, \$6; 3rd do, do, do, \$4.

Best breeding sow, one year and over, George Miller, Markham, \$10; 2nd do, J. P. Wheler, Scarboro, \$7; 3rd do, T. T. Cavanagh, Jefferson Co., N. Y., \$4.

Best sow, under one year old, A. C. Clark, Jefferson Co., N.Y., \$5; 2nd do, do, do, \$4; 3rd do, do, do, \$3.

PIGS—SMALL BREEDS.

CLASS XXV.—SUFFOLKS—(14 Entries).

Judges.—T. Macdonell, Williamstown; T. McEvers, Cobourg; and A. McLaren, S. Hastings.

Best boar, one year and over, Jas. Main, Trafalgar, \$15.

Best boar, under one year, James Main Trafalgar, \$10; 2nd do, Henry Knight, Kingston, \$6.

Best breeding sow, one year and over, Jas. Logan, Hochelaga, C.E., \$10; 2nd do, J.P. Litchfield, Portsmouth, \$7; 3rd do, John Geale, Kingston, \$4.

Best sow, under one year old, Jas. Main, Trafalgar, \$5; 2nd do, John Geale, Kingston, \$4.

CLASS XXVI.—IMPROVED BERKSHIRES.—
(22 Entries.)

Judges.—The same as for Class xxv.

Best boar, one year and over, W. Eagleson, Hamilton Tp., \$15; 2nd do, E. W. Thomson, York Tp., \$10; 3rd do, W. Gibbard, Richmond, \$6.

Best boar under one year, G. K. Morton, Morton, \$10; 2nd do, do, do, \$6; 3rd do, E. W. Thomson, York Tp., \$4.

Best breeding sow one year and over, G. K. Morton, Morton, \$10; 2nd do, W. L. Latimer, Storrington, \$7; 3rd do, G. K. Morton, Morton, \$4.

Best sow under one year old, W. H. Rankin, Glenburnie, \$5; 2nd, G. K. Morton, Morton, \$4; 3rd do, do, do, \$3.

CLASS XXVII.—ALL OTHER SMALL BREEDS.
(23 Entries.)

Judges.—The same as in Class xxv.

Best boar one year and over, Jas. Main, Trafalgar, \$15; 2nd do, W. L. Latimer, Storrington, \$10.

Best boar under one year, James Main, Trafalgar, \$10; 2nd do, W. Murray, Kingston, \$6; 3rd do, E. Howard, Fredericksburg, \$4.

Best breeding sow one year and over, John Flanigan, Kingston, \$10; 2nd do, A. C. Clark, Jefferson Co., N.Y., \$7.

Best sow under one year old, Jas. Main, Trafalgar, \$5; 2nd do, Wm. Murray, Kingston, \$4; 3rd do, J. F. Grant, Portsmouth, \$3.

POULTRY, &c.

CLASS XXVIII.—POULTRY, &c.—
(192 Entries.)

Judges.—R. Young, Almonte; James Vine, Niagara; and William Humphies, Warkworth.

Best pair white dorkings, John Bogue, London, \$4; 2nd do, do, do, \$2.

Best pair of spangled do, James Logan, Hochelaga, C.E., \$4; 2nd do, R. Harding, Kingston, \$2.

Best pair of black Polands, Robert Currie, Grantham, \$4; 2nd do, James McGrath, Montreal, \$2.

Best pair of white Polands, Robert Currie, Grantham, \$4; 2nd do, Jas. McGrath, Montreal, \$3.

Best pair of golden Polands, John Bogue, London, \$4; 2nd do, Wm. Bell, Kingston, \$2.

Best pair of silver Polands, Robt. Currie, Grantham, \$4; 2nd do, John Bogue, London, \$2.

Best pair of game fowls, John Bogue, London, \$4; 2nd do, Robert Currie, Grantham \$2.

Best pair of Jersey blues, P. Sewell, Kingston, \$4; 2nd do, John Bogue, London, \$2.

Best pair Cochín China, Shanghai, Canton, or Bramah Pootra fowls, James Logan, Hochelaga, \$4; 2nd do, A. R. Briggs, Kingston, \$2.

Best pair of black Spanish fowl, James Logan, Hochelaga, \$4; 2nd do, W. Bell, Kingston, \$2.

Best pair of Bolton bays, John Bogue, London, \$4.

Best pair of Bolton greys, do, do, \$4; 2nd do, do, do, \$2.

Best pair of Hamburg fowls, W. O. M. King, London, \$4; 2nd do, John Bogue, London, \$2.

Best pair of feather-legged bantams, John Bogue, London, \$2; 2nd do, John Jackson, Newburgh, \$1.

Best pair of smooth-legged bantams, Robt. Currie, Grantham, \$2; 2nd do, J. P. Litchfield, Portsmouth, \$1.

Best pair of turkeys [white] John Bogue, London, \$4; 2nd do, James Durand, Kingston, \$2.

Best pair of turkeys, [colored] John Bogue, London, \$4; 2nd do James Durand, Kingston, \$2.

Best pair of wild turkeys, John Bogue, London, \$4.

Best pair of large geese, John Cullis, Hamilton Tp., \$4; 2nd do, J Bogue, London, \$2.

Best pair of Bremen geese, John Bogue, London, \$4; 2nd do, do, do, \$2.

Best pair of Chinese geese, Thomas Anderson, Fredericksburg, \$4; 2nd do, do, do, \$2.

Best pair of Muscovy ducks, Robert Currie, Grantham, \$4; 2nd do, do, do, \$2.

Best pair of common ducks, John Bogue, London, \$4; 2nd do, do, do, \$2.

Best pair of Aylesbury ducks, Jno. Bogue, London, \$4; 2nd do, Robert Currie, Grantham, \$2.

Best pair of Poland ducks, John Asselstine, Ernestown, \$4; 2nd do, John Bogue, London, \$2.

Best pair of Rouen ducks, T. Anderson, North Fredericksburg, \$4; 2nd do, John Bogue, Lonkon, \$2.

Best pair of Guinea fowls, Wm. Lawrence, Loughboro, \$4; 2nd do, J. McConnell, Kingston, \$2.

Best pair of pea fowls, J. P. Litchfield, Portsmouth, \$4; 2nd do, W. D. P. W. Day, Kingston, \$2.

Best collection of pigeons, W. Bell, Kingston, \$4; 2nd do, J. P. Litchfield, Portsmouth, \$2.

Best lot of poultry in one pen, and owned by the exhibitor, John Bogue, London, \$6.

Best collection of poultry entered in the various classes by one exhibitor, John Bogue, London, \$8.

Best pair of rabbits, A. P. Briggs, Kingston, \$2.

Best lot of rabbits, A. P. Briggs, Kingston, \$4.

EXTRA PRIZES.—Pair of golden pheasant fowls, John Bogue, London, \$2. Pair of ruffled or French fowls, W. D. P. W. Day, Kingston, \$2.

AGRICULTURAL PRODUCTIONS.

CLASS XXIX.—GRAINS, SEEDS, &c—(500 Entries).

Judges.—E. A. McNaughton, Port Hope; G. Wheler, Uxbridge; A. Wilmott, Trafalgar; C. Chapin, Oakland; Levi Lewis, Saltfleet; and D. Anderson, Tyendinaga.

The Canada Company's prize for the best 2½ bushels of fall wheat, the produce of Canada West, being the growth of the year 1863. Each sample to be of one distinct variety, pure and unmixed, of the best quality for seed, and not to be tested merely by weight. The prize awarded to the actual grower only of the wheat, which is given up to and becomes the property of the Association, for distribution to the County Societies for seed, David Lockwood, Sidney, \$100; 2nd do, by the Association, Trueman McEvers, Hamilton Tp., \$40; 3rd do, S. J. J. Brown, Niagara, \$20.

Best two bushels of white winter wheat, W. Thompson, E. Whitby, \$10; 2nd do, Thomas Cullis, Hamilton Tp., \$8; 3rd do, W. S. Guess, Loughboro, \$6; 4th do, Isaac Preston, Manvers, \$4.

Best two bushels red winter wheat, S. J. J. Brown, Niagara Tp., \$10; 2nd do, H. J. Brown, Niagara Tp., \$8; 3rd do, D. Lockwood, Belleville, \$6; 4th do, R. C. Gorsline, Tyendinaga, \$4.

Best two bushels of white spring wheat, John Cullis, Hamilton, \$10; 2nd do, Chas. Grass, Kingston, \$8; 3rd do, Isaac Preston, Manvers, \$6; 4th do, O. T. Pruyne, Fredericksburg, \$4.

Best two bushels red spring wheat, John Cullis, Hamilton Tp., \$10; 2nd do, Trueman McEvers, Hamilton Tp., \$8; 3rd do, W. Eagleson, Hamilton Tp., \$6; 4th do, Wm. Lawrence, Loughboro, \$4.

Best two bushels of barley, two-rowed, Jas. Logan Hochelaga, C. E., \$6; 2nd do, John Pratt, Cobourg, \$4; 3rd do, William Peck, Ameliasburg, \$2; 4th do, R. Spooner, Kingston, Vol. Trans.

Best two bushels of barley, six-rowed, Allan Bond, Storrington, \$6; 2nd do, Daniel Campbell, Charlottenburg, \$4; 3rd do, B. Collins, Camden, \$2; 4th do, Henry Jennings, Markham, Trans.

Best two bushels of rye O. T. Pruyne, Fredericksburg, \$6; 2nd do, R. Spooner, Kingston, \$4; 3rd do, W. Lawrence, Loughboro, \$2; 4th do, J. Pearson, Hillier, Trans.

Best two bushels of oats, white, Daniel Campbell, Charlottenburg, \$6; 2nd do, W. S. Guess, Loughboro, \$4; 3rd do, George Jack, Pittsburgh, \$2; 4th do, J. H. Peck, Albury, Trans.

Best two bushels of oats, black, L. F. Fralick, Ernestown, \$6; 2nd do, Henry Knight, Kingston Tp., \$4; 3rd do, James Durand, Kingston, \$2; 4th do, Wm. Peck, Ameliasburg, Trans.

Best two bushels of field peas, Charles Grass, Kingston, \$6; 2d do, A. McMillan, Kingston, \$4; 3rd do, M. Wellborn, do, \$2; 4th do, Miles Storm, Camden, Trans.

Best two bushels of marrowfat peas, Henry Jennings, Markham, \$6; 2nd do, Chas. Grass, Kingston, \$4; 3rd do, A. Bond, Storrington, \$2; 4th do, Jas. Pierson, Hillier, Trans.

Best two bushels of tares, George Gordanier, Ernestown, \$6; 2nd do, Joseph Davidson, Kingston, \$4; 3rd do, James Logan, Montréal, \$2; 5th do, W. Gibbard, Richmond, Trans.

Best bushel of white field beans, Jno. Bowland, Ramsay, \$6; 2d do, G. J. Smith, Fredericksburg, \$4; 3rd do, William Faris,

Sorel, \$2; 4th do, T. Anderson, N. Fredericksburg, Trans.

Best two bushels Indian corn, in the ear, (white) H. J. Brown, Niagara, \$6; 2nd do, S. J. J. Brown, Niagara, \$4; 3rd do, G. J. Miller, Virgil, \$2; 4th do, G. J. Smith, Fredericksburg, Trans.

Best two bushels, do, (yellow) H. J. Brown, Niagara, \$6; 2nd do, S. J. J. Brown, Niagara, \$4; 3rd do, G. J. Miller, Virgil, \$2; 4th do, Chris. Bush, Ernestown, Trans.

Best bushel of timothy seed, Henry Knight, Kingston, \$6; 2nd do, P. Hinman, Haldimand, \$4; 3rd do, Wm. Lake, Storrington, \$2; 4th do, A. Bond, do, Trans.

Best bushel clover seed, John Parks, Napance, \$6; 2nd do, George Ham, Fredericksburg, \$4; 3rd do, Thomas Allan, Whitby, \$2.

Best bushel of Alsike clover seed, Thos. Stock, Waterdown, \$6; 2d do, P. R. Wright, Cobourg, \$4.

Best bushel of hemp seed, J. B. Aylesworth, Newburgh, 2nd prize, \$4.

Best bushel of flax-seed, A. Bond, Storrington, \$6; 2nd do, J. W. Bristol, South Fredericksburg, \$4; 3rd do, P. McFadden, Hallowell, \$2.

Best bushel of mustard seed, R. C. Gill, Colborne, 2nd prize, \$4.

Best Swedish turnip seed, from transplanted bulbs, not less than 20 pounds, R. C. Gill, Colborne, \$6; 2nd do, John Bowland, Ramsay, \$4.

Best 14 lbs white Belgian field carrot seed, R. C. Gill, Colborne, \$6; 2nd do, Jas. Logan, Montreal, \$4; 3rd do, Jas. H. Peck, Ameliashburgh, \$2.

Best 12 lbs long red mangel wurzel seed, R. C. Gill, Colborne, \$6; 2nd do, John Pratt, Cobourg, \$4; 3rd do, James Logan, Montreal, \$2.

Best 12 lbs yellow globe mangel wurzel seed, R. C. Gill, Colborne, \$6; 2nd do, Jno. Pratt, Cobourg, \$4; 3rd do, James Logan, Montreal, \$2.

Best bale of hops, not less than 112 lbs, Henry Dunning, Sophiasburg, \$20; 2nd do, W. H. Cotter, Northport, \$12.

Best bushel of horse or tick beans, Jas. Logan, Montreal, \$6.

Best bushel of buckwheat, Dan. Campbell, Charlottenburg, \$4; 2nd do, Wm. Peck, Ameliashburgh, \$2; 3rd do, Reuben Spooner, Kingston, Trans.

Best bushel of millet, Wm. Peck, Ameliashburgh, \$4; 2nd do, E. W. Thomson, York T., \$2.

Best bushel of Hungarian grass seed, Henry Cunningham, Ameliashburgh, \$4.

REMARKS.—The Judges appointed upon class 29, grains and seeds, after having gone through the various sections and awarded the prizes according as we found the articles worthy, have had occasion to re-consider our decision in section 2, on account of the entry No. 4, which was awarded the first prize. Upon turning out the bag we found that the wheat at the bottom was very different to that at the top, being very much cut up and inferior in quality. We turned out all the other lots and found them uniform, we have therefore deemed it for the benefit of the Association to throw out number 4 from competition, and awarded the prizes as now found in our corrected Book. We would further remark that we found in many of the classes a great deficiency in competition, in some of which we did not award a first-prize. In the extra class there were none found which we considered worthy of commendation.

CLASS XXX.—ROOTS AND OTHER FIELD CROPS.—(288 Entries.)

Judges. — Mattaniah Kerr, Hungerford; Thomas L. Heacock, Aurora; John A. Donaldson, Weston; E. C. Fisher, Etobicoke.

Best bushel of cup potatoes, R. Spooner, Kingston, \$3; 2nd do, Willet Ferris, Gananoque, \$2.

Best bushel of garnet Chilis, John Pratt, Cobourg, \$3; 2nd do, G. K. Morton, Morton, \$2; 3rd do, R. Guthrey, Toronto, \$1.

Best bushel of white potatoes, J. M. Grover, Toronto, \$3; 2nd do, R. Spooner, Kingston, \$2; 3rd do, W. Ferris, Gananoque, Trans.

Best bushel of red do, J. B. Aylsworth Newburgh, \$3; 2nd do, T. McEvers, Hamilton, \$2; 3rd do, Timothy Donovan, Kingston, Trans.

Best bushel blue do, George Croft, Portsmouth, \$3; 2nd do, R. Spooner, Kingston, \$2; 3rd do, R. Guthrey, Toronto, Trans.

Best bushel of any other sort, George Taylor, Belleville, \$3; 2nd do, R. Guthrey, Toronto, \$2; 3rd do, G. F. Jackson, Kingston, Trans.

Best collection of field potatoes, one peck of each sort named, R. Guthrey, Toronto, \$4; 2nd do, R. Spooner, Kingston, \$3; 3rd do, B. Losee, Cobourg, \$2.

Best bushel of Swede turnips, George Taylor, Belleville, \$3; 2nd do, John Pratt,

Cobourg, \$2; 3rd do, E. W. Thomson, York Tp., \$1.

Best bushel of white globe turnips, R. Spooner, Kingston, \$3; 2nd do, J. Williamson, do, \$2; 3rd do, G. Taylor, Belleville, Trans.

Best 20 roots red carrots, John F. Grant, Kingston, \$3; 2nd do, R. Guthrey, Toronto, \$2; 3rd do, G. J. Miller, Virgil, \$1.

Best 20 roots white or Belgian carrots, John Pratt, Cobourg, \$3; 2nd do, James Logan, Montreal, \$2; 3rd do, Jas. Durand, Kingston, \$1.

Best 12 roots mangel wurzel, (long red) G. J. Smith, N. Fredericksburg, \$3; 2nd do, John Harker, Kingston, \$2; 3rd do, Allan Bond, Storrington, \$1.

Best 12 roots red globe mangel wurzel, Joseph Hitchcock, Portsmouth, \$3; 2nd do, James Williamson, Kingston, \$2.

Best 12 yellow globe mangel wurzel, Jas. Logan, Montreal, \$3; 2nd do, John Pratt, Cobourg, \$2; 3rd do, Joseph Hitchcock, Portsmouth, \$1.

Best 12 roots long yellow mangel wurzel, R. C. Gill, Colborne, \$3.

Best 12 roots of khol rabi, James Logan, Montreal, \$3; 2nd do, R. Guthrey, Toronto, \$2; 3rd do, George Croft, Portsmouth, \$1.

Best 12 roots of sugar beet, G. J. Smith, Fredericksburg, \$3; 2nd do, John Pratt, Cobourg, \$2; 3rd do, James Williamson, Kingston, \$1.

Best 20 roots parsnips, R. Guthrey, Toronto, \$3; 2nd do, R. C. Gill, Colborne, \$2; 3rd do, Geo. Croft, Portsmouth, Trans.

Best 20 roots of chicory, G. J. Miller, Virgil, \$2; 2nd do, R. Guthrey, Toronto, \$2; 3rd do, R. C. Gill, Colborne, Trans.

Best 2 large squashes for cattle, R. L. Denison, Toronto, \$3; 2nd do, G. J. Smith, Fredericksburg, \$2; 3rd do, P. M. Clark, Ernestown, \$1.

Best 4 common yellow field pumpkins, T. Stock, Waterdown, \$3; 2nd do, R. Spooner, Kingston, \$2; 3rd do, N. A. Briscoe, Ernestown, Trans.

Best 20 lbs of tobacco leaf, growth of Canada West, R. Guthrey, Toronto, \$3; 2nd do, G. J. Miller, Virgil, \$2; 3rd do, R. C. Gill, Colborne, Trans.

Best broom corn brush, 28 lbs., Wm. Peck, Ameliasburgh, \$3; 2nd do, R. L. Clark, Ernestown, \$2; 3rd do, John Harker, Kingston, Trans.

The Canada Company's Prize for Flax.

Best 112 lbs. of flax, scutched, C. Mitchell,

Norval, \$24; 2nd do, by the Association, Daniel Campbell, Charlottenburg, \$16; 3rd do, James Logan, Montreal, \$8.

The Canada Company's Prize for Hemp.

Best 112 lbs of Hemp, Wm. Boa, St. Laurent, C. E., \$16; 2nd do, by the Association, C. Mitchel, Norval, \$12.

EXTRA ENTRIES.—Tobacco on the stalk, W. D. P. W. Day, Kingston, commended; do, in leaf, W. Ferguson, Kingston, commended; sample dew rotted flax in the straw, Samuel Anderson, Marysburgh, commended.

REMARK BY JUDGES.—A lot of very fine potatoes of various kinds, and a sample of very fine wheat were shown by Mr. Roach, Agent for the Canadian Land and Emigration Company, raised in the township of Dysart, in the northern part of the county of Peterboro.

HORTICULTURAL PRODUCTS.

CLASS XXXI.—FRUIT—(184 Entries).

Nurseryman and Market Gardeners' List. Canada only. Competitors receive a premium only in one section of each fruit.

Judges.—J. C. Small, Toronto; G. Laing, Hamilton; and James Gay, Hamilton.

Best 50 varieties of apples, correctly named, six of each, D. W. Beadle, St. Catharines, \$8.

Best 20 varieties of pears, correctly named, three of each, D. W. Beadle, St. Catharines, \$8; 2nd do, J. P. Williams, Bloomfield, \$6.

Best 10 varieties plums, correctly named, six of each, Jas. Wadsworth, Kingston, \$5.

Best display of fruit, the growth of exhibitor, distinct from other entries, three specimens of each sort, D. W. Beadle, St. Catharines, \$8.

Farmer and Amateurs' List. Canada only. Nurserymen and Market Gardeners excluded. Competitors receive a premium only in one section of each fruit.

Best 20 varieties apples, correctly named, six of each, H. J. Brown, Niagara, \$6; 2nd do, R. B. Werden, Picton, \$4; 3rd do, S. J. J. Brown, Niagara, \$2.

Best 10 varieties apples, correctly named, six of each, J. M. Hirschfelder, Toronto, \$4; 2nd do, J. M. Grover, Colborne, \$3; 3rd do, F. Currie, Niagara, \$2.

Best 4 varieties dessert apples, correctly named, six of each, Thomas Briggs, Kingston, \$3; 2nd do, J. D. Humphreys, Toronto, \$2; 3rd do, F. Currie, Niagara, Trans.

Best 4 varieties cooking apples, correctly named, six of each, F. Currie, Niagara, \$3; 2nd do, Thos. Briggs, Kingston, \$2; 3rd do, R. Guthrey, Toronto, Vol. Trans.

Best 8 varieties pears, correctly named, three of each, R. Currie, Grantham, \$5; 2nd do, J. D. Humphreys, Toronto, \$3; 3rd do, R. B. Werden, Picton, \$2.

Best 4 varieties pears, correctly named, three of each, F. Currie, Niagara, \$5; 2nd do, H. J. Brown, Niagara, \$3; 3rd do, do, do, Vol. Trans.

Best 12 pears, of one variety, S. J. J. Brown, Niagara, \$3; 2nd do, do, do, \$2; 3rd do, do, do, Vol. Trans.

Best collection plums, correctly named, six of each, R. B. Werden, Picton, \$4.

Best 12 plums, one variety, correctly named, J. D. Humphreys, Toronto, \$2; 2nd do, Thos. Wilson, Kingston, \$1; 3rd do, do, do, Vol. Trans.

Best six varieties of peaches, correctly named, grown in open air, six of each, G. J. Miller, Virgil, \$4; 2nd do, H. J. Brown, Niagara, \$3.

Best 12 peaches, one variety, correctly named, grown in open air, F. Currie, Niagara, \$2; 2nd do, S. J. J. Brown, Niagara, \$1.

Best collection grapes, grown in open air, John C. Kilborn, Beamsville, \$6; 2nd do, George Curry, Grantham, \$4; 3rd do, Isaac N. Rose, Morrisburg, \$2.

Best 3 bunches grapes, one variety, named, Geo. M. Wilkinson, Kingston, \$3; 2nd do, A. T. Drummond, Kingston, \$2; 3rd do, Thos. Briggs, Kingston, Vol. Trans.

General List of Fruits, Canada, open to all.

Best twelve quinces, F. Currie, Niagara, \$2; 2nd do, H. J. Brown, Niagara, \$1.

Best collection of grapes, grown under glass, one bunch each, correctly named, Robt. Curry, Brockville, \$6; 2nd do, J. M. Hirschfelder, Toronto, \$4.

Best two bunches black grapes, grown under glass, correctly named, Robert Curry, Brockville, \$4; 2nd do, J. M. Hirschfelder, Toronto, \$3; 3rd do, J. Fleming, Toronto, \$2.

Best two bunches white grapes, grown under glass, correctly named, Robert Curry, Brockville, \$4; 2nd do, J. Fleming, Toronto, \$3.

Best green fresh melon, James King, York Tp., \$2; 1st do, Thomas Briggs, Kingston, \$1.

Best red or scarlet fresh melons, T. Briggs,

Kingston, \$2; 2nd do, J. C. Small, Toronto, \$1.

Best water melon, James King, Toronto, \$2; 2nd do, R. Gutthrey, Toronto, \$1.

Domestic Pure Wines.

Best Isabella wine, J. C. Kilborn, Beamsville, Diploma.

Best native Canadian grape wine, J. C. Kilborn, Beamsville, Diploma.

Best grape wine from any other sort, B. Sinclair, Cobourg, Diploma.

Best currant wine, J. C. Kilborn, Beamsville, Diploma.

Foreign Class.

Best collection of apples, Ellwanger & Barry, Rochester, \$5.

Best collection of pears, Ellwanger & Barry, Rochester, \$5.

Best collection of plums, G. W. Lawrence, Oswego, \$5.

Best collection of open air grapes, Ellwanger & Barry, Rochester, N. Y., \$5.

Best collection of valuable pears, grown by any person not a professional Nurseryman, in any part of Upper Canada east of the county of York, six specimens each variety, named, with statement of locality, soil, treatment, and results of cultivation, **DR. BEADLE'S PRIZE**, Thirty-five Pear Trees, suitable for planting, awarded to R. B. Werden, Picton, county of Prince Edward.

EXTRA PRIZES.—Imperial crab apples, James Durand, Kingston, 50c; Siberian crab apples, M. Wellborn, Kingston, 50c; P. M. Clark, Ernestown, curious variety of apple, 50c; basket of assorted fruit, Thos. Wilson, Kingston, \$2; red Siberian crab apples, William Peck, Albury, 50c; gooseberries, Robert Curry, Brockville, 50c; dish of crab apples, J. M. Hirschfelder, Toronto, 50c; Missouri plums, Thomas Wilson, Kingston, 50c; winter apples, 1 doz, James Wadsworth, Kingston, 50c; autumn apples, 1 doz., do, do, 50c; currants, do, do, 50c; black grapes, open air, do, do, \$1; grapes grown under glass, Ellwanger & Curry, Rochester, N.Y., \$6; red currants, Wm. Harker, Kingston, 50c; white currants, do, do, 50c; autumn apples, 1 doz., James Wadsworth, Kingston, 50c; basket of fruit, Robert Curry, Brockville, \$3.

REMARK BY JUDGES.—The display of fruit is exceedingly good in quality, but limited in quantity, as compared with former exhibitions.

CLASS XXXII.—GARDEN VEGETABLES—
(301 Entries.)

Judges.—A. Kerr, London; R. Cooper, Brockville; and Allan Bogue, London.

Best 12 roots of salsify, Gage J. Miller, Virgil, \$2; 2nd do, James Wadsworth, Kingston, \$1.50; 3rd do, R. C. Gill, Colborne, \$1.

Best 3 heads brocoli, R. Guthrey, Lunatic Asylum, Toronto, \$2; 2nd do, R. C. Gill, Colborne, \$1.50.

Best 3 heads cauliflower; R. Guthrey, Toronto, \$2; 2nd do, James King, York Tp., \$1.50; 3rd do, M. Flanagan, Kingston, \$1.

Best 3 heads cabbage, summer, R. Guthrey, Toronto, \$2; 2nd do, James King, York Tp., \$1.50; 3rd do, James Flewing, Toronto, \$1.

Best 3 heads cabbage, winter, S. N. Watts, Portsmouth, \$2; 2nd do, James King, York Tp., \$1.50; 3rd do, Eli Braiden, Portsmouth, \$1.

Best 4 sorts winter cabbage, including savoy, one of each sort, James King, York Tp., \$3; 2nd do, S. N. Watts, Portsmouth, \$2; 3rd do, R. Guthrey, Toronto, \$1.

Best 3 heads red cabbage, Robert Currie, Grantham, \$2; 2nd do, R. Guthrey, Toronto, \$1.50; 3rd do, James King, York Tp., \$1.

Best 12 carrots, for table, long red, George Berry, Kingston, \$2; 2nd do, R. C. Gill, Colborne, \$1.50; 3rd do, James King, York Tp., \$1.

Best 12 early horn carrots, James King, York Tp., \$2; 2nd do, Thomas Briggs, Kingston, \$1.50; 3rd do, Wm. Faris, Sorel, \$1.

Best 12 table parsnips, Joseph Hitchcock, Portsmouth, \$2; 2nd do, J. M. Grover, Colborne, \$1.50; 3rd do, R. C. Gill, do, \$1.

Best 6 roots of white celery, Robert Currie, Brockville, \$2; 2nd do, M. Flanagan, Kingston, \$1.50; 3rd do, R. Guthrey, Toronto, \$1.

Best 6 roots of red celery, George Berry, Kingston, \$2; 2nd do, G. F. Jackson, Tp of Kingston, \$1.50; 3rd do, R. Guthrey, Toronto, \$1.

Best dozen capsicums, ripe, W. O. M. King, London, \$2; 2nd do, James King, York Tp., \$1.50; 3rd do, R. C. Gill, Colborne, \$1.

Best collection of capsicums, ripe, R. Currie, Brockville, \$3; 2nd do, Charles George, Kingston, \$2; 3rd do, Eli Braiden, Portsmouth, \$1.

Best 3 egg plant fruit, purple, Robt. Currie, Grantham, \$2; 2nd do, Robert Curry, Brockville, \$1.50; 3rd do, Jesse Thayer, Jr, Montreal, \$1.

Best 12 tomatoes, red, C. George, Kingston, \$2; 2nd do, R. Curry, Brockville, \$1.50; 3rd do, G. J. Smith, North Fredericksburg, \$1.

Best 12 tomatoes, yellow, George Berry, Kingston, \$2; 2nd do, J. D. Humphreys, Toronto, \$1.50; 3rd do, Robt. Curry, Brockville, \$1.

Best assorted collection of tomatoes, J. D. Humphreys, Toronto, \$3; 2nd do, Robert Currie, Brockville, \$2; 3rd do, Chas. George, Kingston, \$1.

Best 12 blood beets, long, Robert Currie, Grantham, \$2; 2nd do, G. J. Miller, Virgil, \$1.50; 3rd do, James Durand, Kingston, \$1.

Best peck of white onions, Robert Currie, Grantham, \$2.

Best peck of yellow onions, Robert Currie, Grantham, \$2; 2nd do, James King, York Tp., \$1.50; 3rd do, Wm. Peck, Albury, \$1.

Best peck of red onions, G. J. Miller, Virgil, \$2; 2nd do, Robert Curry, Brockville, \$1.50; 3rd do, Robert Currie, Grantham, \$1.

Best 12 white turnips, table, Wm. Faris, Sorel, \$2; 2nd do, A. H. Campbell, Kingston, \$1.50; 3rd do, J. P. Litchfield, Portsmouth, \$1.

Best 12 yellow turnips, table, Wm. Faris, Sorel, \$2.

Best 12 ears sweet corn, Jesse Thayer, jr., Montreal, \$2; 2nd do, Thomas Briggs, Kingston, \$1.50; 3rd do, Robert Currie, Grantham, \$1.

Best and greatest variety of potatoes, half a peck of each sort, named, R. Guthrey, Toronto, \$2; 2nd do, B. Losee, Cobourg, \$2; 3rd do, R. Spooner, Kingston, \$1.

Best 3 squashes, table, G. F. Jackson, Kingston, \$2; 2nd do, R. C. Gill, Colborne, \$1.50; 3rd do, Jas. Durand, Kingston, \$1.

Best and greatest variety of vegetables, distinct from other entries, each kind named, Jos. Hitchcock, Portsmouth, \$4; 2nd do, S. N. Watts, Portsmouth, \$3; 3rd do, Eli Braiden, Portsmouth, \$2.

EXTRA PRIZES.—12 turnip beets, Chas. George, Kingston, \$1; doz. ears Tuscarora corn, James King, York, 50c; collection of egg plants, Jesse Thayer, jr., Montreal, \$1; varieties of corn, do, do, \$1; varieties of beans, do, do, \$1; pop corn, Mrs. Weinecker, Kingston, 50c.

CLASS XXXIII.—PLANTS AND FLOWERS.—
(133 Entries.)

Judges.—J. C. Small, Toronto; James Gay, Hamilton; George Laing, Hamilton.

Best dozen dahlias, named, W. Faris, Sorel, C. E., \$2; 2nd do, M. Flanagan, Kingston, \$1 50; 3rd do, do, do, \$1.

Best and largest collection of dahlias, W. Faris, Sorel, \$5; 2nd do, M. Flanagan, Kingston, \$4; 3rd do, B. Losee, Cobourg, \$3.

Best bouquet of cut flowers, for table, Jas. Fleming, Toronto, \$2; 2nd do, J. M. Hirschfelder, Toronto, \$1 50; 3rd do, Wm. Faris, Sorel, C. E., \$1.

Best hand bouquet, Wm. Faris, Sorel, C. E., \$2; 2nd do, J. M. Hirschfelder, Toronto, \$1 50; 3rd do, do, do, \$1.

Best collection of green-house plants, not less than 12 specimens, in flower, J. M. Hirschfelder, Toronto, \$10.

Best 12 pansies, M. Flanagan, Kingston, \$2; 2nd do, do, do, \$1 50; 3rd do, R. C. Gill, Colborne, \$1.

Best 6 fuchsias, in flower, Jas. Fleming, Toronto, (second prize), \$3; 2nd do, J. J. Whitehead, (third prize), \$2.

Best collection of annuals in bloom, B. Losee, Cobourg; 2nd do, M. Flanagan, Kingston, \$1 50; 3rd do, G. J. Miller, Virgil, \$1; Commended, R. Guthrey, Toronto.

Best 6 cockscombs, Robt. Curry, Brockville, \$2; 2nd do, F. Currie, Niagara, \$1 50; 3rd do, Jas. Fleming, Toronto, \$1.

Best 6 balsams in bloom, M. Flanagan, Kingston, \$2; 2nd do, R. C. Gill, Colborne, \$1 50; 3rd do, J. Williamson, Kingston, \$1.

Best collection of asters, M. Flanagan, Kingston, \$2; 2nd do, G. H. Hart, Picton, \$1 50; 3rd do, G. S. Miller, Virgil, \$1.

Best collection of 10 weeks' stock, G. H. Hart, Picton, \$2, 2nd do, R. C. Gill, Colborne, \$1 50; 3rd do, J. Williamson, Kingston, \$1.

Best floral ornament or design, Thomas Wilson, Kingston, \$5; 2nd do, Miss Mary V. Ferguson, Kingston, \$4; 3rd do, J. M. Hirschfelder, Toronto, \$3.

Best 12 verbenas, M. Flanagan, Kingston, \$2; 3rd do, R. Curry, Brockville, \$1.

Best collection of verbenas, M. Flanagan, Kingston, \$3.

Best 6 petunias, T. Briggs, Kingston, \$2; 2nd do, R. Curry, Brockville, \$1 50; 3rd do, J. M. Hirschfelder, Toronto, \$1.

Best collection perennial phloxes, B. Losee,

Cobourg, \$2; 2nd do, M. Flanagan, Kingston, \$1 50.

Best display of plants in flower, distinct from other entries, J. M. Hirschfelder, Toronto, \$10; 2nd do, Jas. Fleming, Toronto, \$6; 3rd do, Miss C. E. Briggs, Kingston, \$4.

Best collection of native plants, dried and named, W. Williamson, jr. Smith's Falls, \$5; 2nd do, A. T. Drummond, Kingston, \$3; 3rd do T. W. Poole, Norwood, \$2.

EXTRA ENTRIES.

Ferns grown under grass, J. P. Litchfield, Portsmouth, \$1.

Display of everlasting flowers, M. Flanagan, Kingston, \$1; do, gladioli, do, do, \$1; do, phlox Drummondii, do, do, \$1; do, double zinneas, do, do, \$1; Petunias, J. M. Hirschfelder, Toronto, \$1; 6 foliage plants, do, do, \$1; collection of marigolds, Rev. J. Williamson, Kingston, \$1; bouquet everlasting flowers, G. H. Hart, Picton, \$1; display of double zinneas, do, do, \$1; do, Japan Pinks, do, do, \$1; do, gladioli, J. Fleming, Toronto, \$1; sunflowers, Mrs. Weinecker, Kingston, \$0 50; collection of anterrhinums, Rev. Dr. Williamson, Kingston, \$1.

REMARK.—The Judges beg to report that the display in plants and flowers does not come up to former years, and the competition limited to a few.

CLASS XXXIV.—DAIRY PRODUCTS, HONEY, BA-
(CON, &c—105 Entries.)

Judges.—T. Briggs, Kingston; L. Naismith, Bennie's Corners; G. J. Smith, Lennox; W. Brough, Gananoque.

Best firkin of butter, in shipping order, not less than 56 lbs, Nelson Dollar, Fredericksburg, \$12; 2nd do, Charles Shibley, Portland, \$10; 3rd do, John H. Burch, Wolf Island, \$8; 4th do, John Amey, Camden East \$6.

Best butter, not less than 28 lbs., in firkin, crock, or tub, J. C. Murray, Kingston, \$8; 2nd do, R. W. Graham, Kittley, \$6; 3rd do, Miss Mary Thomson, York Tp., \$4; 4th do, Nelson Dollar, Fredericksburg, \$2.

Best cheese, not less than 30lbs, Platt Hinman, Haldimand Tp., \$10; 2nd do, John Piercey, Ernestown, \$8; 3rd do, H. & E. F. Cooper, Watertown, N. Y., \$6; 4th do, W. R. Dorn, Ernestown, \$4; extra, Geo. Morton, Morton, \$2.

Best two Stilton cheese, not less than 12 lbs. each, H. K. Parsons, Guelpf; \$10; 2nd

do, do, do, \$8; 3rd do, do, do, \$6; 4th do, John Piercy, Ernestown, \$4.

Best honey in the comb, not less than 10 lbs., F. S. Clench, Cobourg, \$3; 2nd do, R. Spooner, Kingston, \$2; 3rd do, Nelson Dollar, Fredericksburg, \$1.50; 4th do, E. Jackson, Kingston, Trans.

Best jar of clear honey, F. S. Clench, Cobourg, \$4; 2nd do, George Miller, Markham, \$2; 3rd do, C. Brown, Camden, \$1.50; 4th do, John Jackson, Newburgh, Trans.

Best 30 lbs maple sugar, Platt Hinman, Haldimand Tp., \$3; 2nd do, John Amey, Camden E., \$2; 3rd do, Timothy Donovan, Kingston, \$1.

Best ham, cured, John Ball, Toronto, \$3.

EXTRA ENTRIES.—Bees wax, E. Jackson, Kingston, \$1; pig's feet and boar's head, A. Cicolari, Kingston, \$2; roast pig and Boulogna sausage, do, do, \$2; lard in can, E. Jackson, Kingston, 50c.

CLASS XXXV.—AGRICULTURAL IMPLEMENTS,
WORKED BY HORSE OR OTHER POWER—
(160 Entries).

Judges.—E. Gregory, St. Catharines; P. Hinman, Cobourg; D. Stanton, Picton; R. Graham, Lindsay; and J. N. Diamond, Belleville.

Best iron plough, Wm. Mahaffey, Brampton, (draught on trial 437½ lbs.), diploma and \$12; 2nd do, James Jeffrey, Petite Cote, (draught 503 lbs.), \$8; 3rd do, Geo. Morley, Thorold, (draught 520 lbs.), \$4.

Best wooden plough, G. Morley, Thorold, (draught 575 lbs.), diploma and \$12; 2nd do, T. Modeland, Brampton, (draught 581 lbs.), \$8; 3rd do, Wm. Mahaffey, Brampton, (draught 600 lbs.), \$4.

Best subsoil plough, G. Morley, Thorold, \$12 and diploma; 2nd do, Chown & Cunningham, Kingston, \$8.

Best double shear trench plough, H. A. Massey, Newcastle, \$10; 2nd do, T. Zealand, Port Hope, \$6.

Best double mould plough, James Jeffrey, Petite Cote, Montreal, \$10; 2nd do, Henry Collard, Gananoque, \$6; 3rd do, Chown & Cunningham, Kingston, \$4.

Best pair of harrows, Henry Collard, Gananoque, \$5; 2nd do, do, do, \$4; 3rd do, Chown & Cunningham, Kingston, \$2.

Best horse power thresher and separator, Joseph Hall, Oshawa, diploma and \$20; 2nd do, J. Conolly, Yarker, \$12.

Best grain drill, Maxwell & Whitelaw, Paris, diploma and \$12; 2nd do, Frederick Davey, London, \$8.

Best straw cutter, Maxwell & Whitelaw, Paris, \$5; 2nd do, R. & R. S. Patterson, Belleville, \$4; 3rd do, S. D. Purdy, Collins Bay, \$3.

Best portable grist mill, H. A. Massey, Newcastle, second prize, \$8.

Best corn and cob crusher, R. & R. S. Patterson, Belleville, \$4.

Best cider mill and press, A. Harris & Son, Beamsville, \$12.

Best two-horse team waggon, Webster & Boyce, Napanee, \$12; 2nd do, Samuel Lake, Newburgh, \$8; 3rd do, Weider Joy, Napanee, \$4.

Best two-horse spring market waggon, Samuel Lake, Newburgh, \$10; 2nd do, Francis Tracy, Kingston, \$7.

Best one-horse light market waggon, Wm. Draper, Kingston, \$9; 2nd do, Samuel Lake, Newburgh, \$6.

Best horse-cart, James Jeffrey, Petite Cote, Montreal, \$6; 2nd do, Francis Tracy, Kingston, \$4.

Best farri sleigh, S. D. Purdy, Collins Bay, 3rd prize, \$2.

Best horse rake, S. D. Purdy, Collins Bay, \$4; 2nd do, W. Harker, Kingston, \$3; 3rd do, F. Painchaud, Varennes, C. E., \$2.

Best metal roller R. & R. S. Patterson, Belleville, \$11; 2nd do, Chown & Cunningham, Kingston, \$8.

Best wooden roller, Eckardt & Jones, Markham, \$10; 2nd do, S. D. Purdy, Collins Bay, \$5.

Best stump extractor, G. F. Beebe, Sophiasburg; 2nd do, Jas. Conolly, Yarker, \$4.

Best reaping machine, Jos. Hall, Oshawa, diploma and \$20; 2nd do, H. A. Massey, Newcastle, \$12; 3rd do, Isaac Modeland, Brampton, \$8.

Best mowing machine, R. & R. S. Patterson, Belleville, diploma and \$20; 2nd do, Jos. Hall, Oshawa, \$12; 3rd do, John Heming, Napanee, \$8.

Best combined mower and reaper, R. & R. S. Patterson, Belleville, diploma and \$20; 2nd do, Joseph Hall, Oshawa, \$12; 3rd do, H. A. Massey, Newcastle, \$8.

Best field or two-horse cultivator, A. C. Bruce, Glenmorris, \$12; 2nd do, Eckhardt & Jones, Markham, \$8; 3rd do, Joshua Carlton, York tp., \$4.

Best horse hoe or single horse cultivator, T. Scott, Newburgh, \$4; 2nd do, Hy. Collard, Gananoque, \$3.

Best machine for sinking field drains and laying in and over tiles, Jos. Hall, Oshawa, \$60.

Best improved liquid manure drill, for drilling two or more rows of liquid with turnips, mangels, &c., either on the ridge or flat, E. Rockey, Malahide, \$25.

EXTRA ENTRIES—Wood sawing machine, V. Mitchell, J. r., Cavan, \$2; self-unloading, waggon box, L. P. Bowerman, Bloomfield, \$3; machine for upsetting waggon-tire, Wm. Tubbs, Picton, \$1; combined sower for all kinds of small seeds, E. Rockey, Malahide, \$2; gang plough, Henry Collard, Gananoque, \$2; horse-power, J. M. Kinney, Brantford, \$2. Model of a new field roller, John R. Martin, Cayuga, highly commended; patent revolving cultivator and model with seeder attached, John Walmsley, Berlin, \$3.

CLASS XXXVI.—AGRICULTURAL TOOLS AND IMPLEMENTS, CHIEFLY FOR HAND USE.—
(124 ENTRIES.)

Judges.—M. C. Lutz, Galt; D. G. McDonald, Glengary; and D. Douglass, Warkworth.

Best fanning mill, R. & R. S. Patterson, Bellville, diploma and \$6; 2nd do, James McRea, Kingston, \$4; 3rd do, Geo. Walker, tp. of Kingston, \$2.

Best seed drill, or barrow, E. Rockey, Malahide, \$4; 2nd do, do, do; 3rd do, W. & T. Walker, Brampton, \$2.

Best straw cutter, Maxwell & Whitelaw, Paris, \$5; 2nd do, J. Conolly, Yarker, \$4.

Best Machine for cutting roots for stock, James Gibson, Kingston tp., 3rd prize, \$2.

Best cheese-press, F. S. Clench, Cobourg, \$8. Best churn, Robt. Medcalf, Carleton Place, \$3; 2nd do, H. P. Clow, Napanee, \$2.

Best garden, walk, or lawn roller, H. A. Massey, Newcastle, \$4; 2nd do, Chown & Cunningham, Kingston, \$2; 3rd do J. J. Whitehead, Kingston, \$1.

Best farm gate, P. W. Foreman, Loughboro, \$3.

Best specimen farm fence, wood, Henry Collins, Gananoque, 3rd prize, trans.

Best specimen wire fencing, not less than two rods, erected on the ground, W. & T. Walker, Toronto tp., \$3.

Best wooden pump, John Brokenshire, Kingston, \$4; 2nd do, do, do, \$3; 3rd do, do, do, \$2.

Best 6 hay-rakes, Thomas Bryan, Jr., tp. of London, \$3; 2nd do, do, do, \$2.

Best 6 scythe snaths, Ed. Roblin, Sophiasburg, \$3; 2nd do, S. Skinner, Gananoque, \$2.

Best ox-yoke and bows, H. Spooner, Storrington, \$2; 2nd do, P. Hinman, Haldimand, \$1.

Best grain cradle, T. Bryan, jr., London, \$2; 2nd do, Richard Sylvester, Scarboro, \$1; 3rd S. Skinner, Gananoque, \$0 50.

Best half-dozen grain showels, D. F. Jones & Co., Gananoque, \$3; 2nd do, Fotheringham & Workman, Montreal, \$2; 3rd do, D. F. Jones & Co., Gananoque, \$1.

Best half-dozen iron (flat) shovels, Fotheringham & Co, Montreal, \$3; 2nd do, D. F. Jones & Co., Gananoque, \$2; 3rd do, do, do, \$1.

Best half-dozen spades, Fotheringham & Workman, Montreal, \$3; 2nd do, do, do, \$2; 3rd do, D. F. Jones & Co., Gananoque, \$1.

Best half-dozen grass scythes, J. W. Robinson, Bridgewater, \$3; 2nd do, Fotheringham & Workman, Montreal, \$2.

Best machine for making drain tiles, Wm. Lindsay, Newcastle, diploma and \$20.

Best set of draining tools, D. F. Jones & Co., Gananoque, \$6.

Best assortment of drain tiles, John Matthew, Yorkville, \$6; 2nd do, C. P. Treadwell, Prescott Co., \$4.

Best straw fork, wood, Miles Storm, Camden, \$2.

Best implement or machine for cutting, pulling or otherwise harvesting peas, hand or horse power, Henry Collard, Gananoque, \$10.

Best 6 chopping axes, Fotheringham & Workman, Montreal, \$3.

Best set horse shoes, Wm. Mahaffey, Brampton, \$2; 2nd do, do, do, \$1; extra, (racing plates,) John Kennedy, Peterborough, \$1.

Best half-dozen axe handles, John Asseltine, Ernestown, \$2; 2nd do, H. Spooner, Storrington, \$1.

EXTRA ENTRIES.—Half doz. barley forks, R. Collins, Camden, \$1; cheese vat, S. R. Brooks, Sophiasburg, \$2; sett of buggy draught irons, F. Tracey, Kingston, \$2; power churn, H. P. Clow, Napanee, \$2; boring machine, Wm. Driscoll, Merrickville, \$1; machine for sowing plaster, James McRea, Wolf Island, \$2; spinning wheel, Thos. McDermott, Kingston, \$2; transplanter, F. Milo, Kingston, \$1; straw fork, R. Collins, Camden, \$1; Cheese vat, H. & E. F. Cooper, Watertown, N.Y., \$3.

CLASS XXXVII.—CATTLE FOOD—MANURES, AND MISCELLANEOUS.

Judges.—D. Campbell and J. Southworth.

Best specimen oil cake, Lyman, Clare & Co., Montreal, \$4; 2nd do, do, do, \$2.

Best specimen superphosphate of lime for manure, Coe & Co., Montreal, \$4.

Best specimen ground plaster for manure, Lyman Clare & Co., Montreal, \$4.

REMARKS.—The judges in class 37 beg to report that they have completed their examination of the articles exhibited in this class, and regret that they are so few in number. They have to state that the oil cake is very excellent, carefully prepared, free from grit, &c., and worthy of the premium awarded.

ARTS AND MANUFACTURES DEPARTMENT.

CLASS XXXVIII—CABINET WARE, AND OTHER WOOD MANUFACTURES—31 Entries.

Judges.—G. Stephens, Cobourg; W. Irving, Kingston; and F. S. Clench, Cobourg.

Best set of bedroom furniture, S. T. Drennan, Kingston, \$10.

Best centre table, S. T. Drennan, Kingston, \$7.

Best drawing room sofa, S. T. Drennan, Kingston, \$7.

Best set of drawing room chairs, S. T. Drennan, Kingston, \$7.

Best sideboard, S. T. Drennan, Kingston, \$6.

Best coopers' work, S. O. Grady, Oil Springs, \$4; 2nd do, Andrew Bridge, Kingston Tp, \$3.

Best dozen corn brooms, R. L. Clark, Ernestown, \$2.

Best assortment of joiner's work, Anson Storm, Odessa, \$8.

Best veneers from Canadian woods, undressed, Win. Clement, Newburg, \$8.

EXTRA ENTRIES.—Patent bee-hive and bees, S. D. Purdy, Collins' Bay, \$2; bee-hive, David Purdy, Kingston Tp, \$3; Washing Machine, H. P. Clow, Napanee, \$3; Bee-hive, George Walker, Kingston Tp, \$4; Bee-hive, J. M. Grover, Colborne, \$4. Window blind and sun shade, W. J. Lucas, London, Diploma and \$6; Cricket bats and wickets, W. Peacock, Montreal, \$5; Roller wash board, S. J. Ward, Belleville, \$2; Beech wood knot, F. Burrowes, King, \$4; Machine wrought siding, A. Storm, Odessa, \$2; Washing Machine, N. H. Nutting, Marysburg, \$5.

REMARKS.—The Judges regret to find so few entries in Cabinet Ware, and having learned from cards on the furniture entered that all the articles shown were from the Penitentiary, we think that this is the cause of no other entries being made. We therefore doubt the propriety of allowing this work to come in competition with that of the honest mechanics of the Province.

CLASS XXXIX.—CARRIAGES AND SLEIGHS, AND PARTS THEREOF—(82 Entries).

Judges.—M. Donovan, Whitby; E. Cooney, Cobourg; J. Falconer, Kingston.

Best wrought iron axle, A. C. Chewett & Co., Kingston, \$3 and diploma; 2nd do, Byers & Matthew, Gananoque, \$2.

Best bent shafts, half a dozen, R. McKinley & Co, St. Catharines, \$3; 2nd do, Fralick Bros. Picton, \$2.

Best bows for carriage tops, two sets, R. McKinley & Co., St. Catharines, \$3.

Best double seated buggy, Hart & Son, Picton, \$8; 2nd do, Samuel Lake, Newburgh, \$4.

Best single seated buggy, Fralick Bros., Picton, \$7.

Best two-horse pleasure carriage, Hart & Son, Picton, \$12; 2nd do, A. Titus, Farmersville, \$7.

Best one-horse pleasure carriage, Fralick Bros., Picton, \$8; 2nd do, S. Lake, Newburgh, \$4.

Best two pairs carriage hubs, John Eakin, Markham, \$3; 2nd do, do, do, \$2.

Best two pairs carriage rims or felloes, R. McKinley & Co., St. Catharines, \$2; 2nd do, Fralick Bros., Picton, \$1.

Best doz. machine made carriage spokes, T. C. Saunders, St. Catharines, \$3 and Dip.

Best two-horse pleasure sleigh, Hart & Son, Picton, \$10; 2nd do, do, do, \$6.

Best one-horse pleasure sleigh, Fralick Bros., Picton, \$8; 2nd do, S. Lake, Newburg, \$4.

Best sulky, trotting, Samuel Lake, Newburg, 2nd prize, \$3.

EXTRA ENTRIES.—Best seat rails for buggies, Fralick Bros., Picton, \$2. Carriage hub and axle, [all iron] A. C. Chewett & Co, Kingston, \$3 and Diploma.

2 sets of bent rims for buggies, R. McKinley & Co., St. Catharines, \$2; 2 sets do, do, for waggon, do, do, \$2; 2 sets do, do, for sulkies, do, do, do, \$2.

Assortment of Bent Stuff for waggons, sleighs, and buggies, R. McKinley & Co., St. Catharines, \$5.

Assortment of spokes for waggons, sulkies, and buggies, Thomas C. Saunders, St. Catharines, \$2.

Remarks.—The judges regret not finding a larger assortment of manufactured articles in class 39, but hope at the next annual Exhibition to find an improvement in that respect.

CLASS XL.—CHEMICAL MANUFACTURES AND PREPARATIONS.—(22 Entries.)

Judges.—Dr. Holden, Cobourg; Dr. Beattie, Cobourg.

Best assortment of essential oils, Lyman, Clare & Co., Montreal, \$6; 2nd do, J. A. Taylor & Co., Napanee, \$4.

Best medicinal herbs, roots and plants, native growth, T. W. Poole, Norwood, \$12; 2d do, W. Saunders, London, \$7.

Best oils, linseed and rape, and other expressed kinds, Lyman, Clare & Co., Montreal, \$6.

Best oil, coal, shale or rock, W. Esmonde & Co., Oakville, \$6; 2nd do, Parson, Bros., Toronto, \$4.

Best oil, Neat's foot, half gallon, Lyman, Clare & Co., Montreal, \$2.

Best assortment of varnishes, Lyman, Clare & Co., Montreal, \$6.

EXTRA ENTRIES.—Shoe blacking, G. Robertson, Kingston, \$2; Ground paint, Lyman, Clare & Co, Montreal, \$6; Assorted perfumery, do, do, do, \$3; Assorted perfumery and hair brushes, G. S. Hobart, Kingston, Diploma; Assortment of perfumery, pomades, &c., John A. Taylor, Napanee, \$2; Benzole or mineral turpentine, Parson, Bros., Toronto, \$2; Powdered drugs, Lyman, Clare & Co., Montreal, \$6 and Diploma; Ground dye-stuffs, Lyman, Clare & Co., Montreal, \$4.

CLASS XLI.—DECORATIVE AND USEFUL ARTS, DRAWINGS AND DESIGNS.—(69 Entries.)

Judges.—John Shier, Whitby; Henry Langley, Toronto.

Best carving in wood, S. J. Seaman, Brockville, \$6; 2nd do, do, do, \$4.

Best decorative house painting, G. D. Lucas, Toronto, \$5.

Best decorative sign-writing, on glass, G. D. Lucas, Toronto, \$4; 2nd do, F. Richardson, Napanee, \$2.

Best geometrical drawing of engine or mill work, coloured, G. P. Drummond, Mitchell, 2nd prize, \$3.

Best lithographic drawing; W. C. Chewett & Co., Toronto, \$5; 2nd do, Brown & Bank, Hamilton, \$3.

Best lithographic drawing, coloured, W. C. Chewett & Co., Toronto, \$6; 2nd do, Brown & Bank, Hamilton, \$4.

Best map of Canada, lithographed; G. Tremaine, Toronto, \$6.

Best mathematical, philosophical, and surveyor's instruments, collection of, A. F. Potter, Toronto, \$15; 2nd do, Wm Quinton, Kingston, \$10.

Best picture frame, ornamented gilt, A. J. Pell, Montreal, \$5.

Best penmanship, business hand, H. Wright, Toronto, \$4; 2nd do, do, Bryant, Stratton, & Day, Toronto, \$2.

Best sign writing, G. D. Lucas, Toronto, \$4.

EXTRA ENTRIES.—Gold and silver leaf, C. H. Hubbard, Toronto, \$5; dentist's gold and silver foil, do, do, \$5; weather indicator, G. Wolfe, Bridgewater, \$3; sun dial, W. H. Shepherd, Toronto, \$5; water metre, James Hurlburt, Reach, \$5; Lithographic printing, check books, copy books, &c., Brown & Banks, Hamilton, \$3; lithographic printing, W. C. Chewett & Co., Toronto, \$5; carving in marble, E. Strong, Kingston, \$3; chess board table top in water colors, R. W. Taylor, Kingston, \$3; specimen of marble, William Knowles, Arnprior, \$5.

CLASS XLII.—FINE ARTS.—(189 Entries.)

Judges.—J. D. Humphreys, Toronto; F. J. Rastrick, Hamilton; W. H. Peterson, Guelph.

Professional List—Oil.

Best animals, grouped or single, W. N. Cresswell, Harpurhey, \$12; 2nd do, R. Whale, Burford, \$7.

Best historical painting, R. Whale, Burford, \$12; 2nd do, W. N. Cresswell, Harpurhey, \$7.

Best landscape, Canadian subject, W. N. Cresswell, Harpurhey, \$12; 2nd do, R. Whale, Burford, \$7.

Best landscape, or marine painting, not Canadian subject, W. N. Cresswell, Harpurhey, \$10; 2nd do, F. Richardson, Napanee, \$6.

Best marine painting, Canadian subject, W. N. Cresswell, Harpurhey, \$12; 2nd do, do, do, \$7.

Best portrait, W. Sawyer, Kingston, \$10; 2nd do, do, do, \$6.

In Water Colors.

Best animals, grouped or single, W. N. Cresswell, Harpurhey, \$7.

Best flowers, grouped or single, John Griffith, London, \$7; 2nd do, Miss Amelia F. H. Gibbon, Weston, \$5.

Best landscape, Canadian subject, Captain Caddy, Hamilton, \$7; 2nd do, W. N. Cresswell, Harpurhey, \$5.

Best landscape, or marine painting, not Canadian subject, W. N. Cresswell, Harpurhey, \$7; 2nd do, Captain Caddy, Hamilton, \$5.

Best marine painting, Canadian subject, W. N. Cresswell, Harpurhey, \$7.

Pencil, Crayon, &c.

Best crayon, coloured, Miss Amelia F. H. Gibbon, Weston, \$6.

Best crayon, plain, Miss Lucy Ritchie, Kingston, \$6; 2nd do, do, do, \$4.

Best pencil drawing, Miss Amelia F. H. Gibbon, Weston, \$6.

Best pen and ink sketch, Miss Amelia F. H. Gibbon, Weston, \$6; 2nd do, F. A. Verner, Toronto, \$4.

Amateur List—Oil.

Best animals, grouped or single John H. Whale, Burford, \$8; 2nd do, do, do, \$5.

Best historical painting, John H. Whale, Burford, \$8; 2nd do, Miss M. Gordon, Port Colborne, \$5.

Best landscape, Canadian subject, John H. Whale, Burford, \$8; 2nd do, do, do, \$5.

Best landscape or marine painting, not Canadian subject, John H. Whale, Burford, \$8; 2nd do, Miss M. Gordon, Port Colborne, \$5.

Best marine painting, Canadian subject, John H. Whale, Burford, \$8.

Best portrait, John H. Whale, Burford, \$7; 2nd do, do, do, \$5.

In Water Colors.

Best Animals, grouped or single, D. Fowler, Amherst Island, \$7; 2nd do, Miss Georgina Holland, Bowmanville, \$5.

Best flowers, grouped or single, James Griffith, London, \$5; 2nd do, D. Fowler, Amherst Island, \$3.

Best landscape, Canadian subject, D. Fowler, Amherst Island, \$7; 2nd do, T. D. Belfield, Grafton, \$5.

Best landscape or marine painting, not Canadian subject, T. D. Belfield, Grafton, \$7; 2nd do Miss Berry, Kingston, \$5.

Best marine view, Canadian subject, T. D. Belfield, Grafton, \$7.

Best portrait, D. Fowler, Amherst Island, \$6.

Pencil, Crayon, &c.

Best crayon, colored, Miss Thomson, Kingston, \$5; 2nd do, D. Fowler, Amherst Island, \$3.

Best crayon, plain, E. A. Mara, Ottawa, \$5; 2nd do, Miss Thomson, Kingston, \$3.

Best crayon or pencil portrait, D. Fowler, Amherst Island, \$5; 2nd do, Miss Elizabeth Robertson, Colborne, \$3.

Best pencil drawing, E. M. Edmonds, Burnstown, \$5; 2nd do, D. Fowler, Amherst Island, \$3.

Best pen and ink sketch, J. T. Burnside, Cobourg, \$5; 2nd do, do, do, \$3.

Photography.

Best collection of ambrotypes, H. K. Sheldon, Kingston, \$6.

Best collection of photograph portraits, in duplicate, one set colored, R. W. Anderson, Toronto, \$10.

Best collection of photograph portraits, plain, H. K. Sheldon, Kingston, \$8; 2nd do, Stanton, Cox & Hayden, Cobourg, \$5.

Best collection of photograph landscapes and views, Miss M. Kedgill, Kingston, \$8; 2nd do, R. W. Anderson, Toronto, \$5.

Best photograph portraits in oil, W. Sawyer, Kingston, \$8; 2nd do, do, do, \$5.

EXTRAS.—Professional, fruit in oil, R. A. Pauling, Hamilton, \$4; photograph in water colors, Stanton, Cox & Hayden, Cobourg, \$4; painting in velvet, R. W. Taylor, Kingston, \$3.

CLASS XLIII.—GROCERIES AND PROVISIONS— (76 Entries).

Judges.—A. McNaughton, Newcastle; T. Beeman, Newcastle.

Best barley, pearl, A. W. Ogilvie & Co., Montreal, \$3; 2nd do, D. Hooper, Newburgh, \$2.

Best barley, pot, A. W. Ogilvie & Co., Montreal, \$3; 2nd do, D. Campbell, Charlottenburgh, \$2.

Best bottled fruits, an assortment, manufactured for sale, Miss Mary Ann Dumble, Kingston, 2nd prize, \$4.

Best bottled pickles, an assortment, manufactured for sale, A. H. Campbell, Storrington, \$6.

Best buckwheat flour, D. Hooper, Newburgh, \$3; 2nd do, R. Dennis, Napanee, \$2.

Best chicory, 20 lb. of, George Robertson, Kingston, \$3.

Best Indian corn meal, Ogilvie & Co., Montreal, \$3; 2nd do, D. Hooper, Newburgh, \$2.

Best mu-tard, one jar, F. H. Ewing & Co., Montreal, \$2.

Best oatmeal, James Russell, Pickering, \$3.

Best soap, one box of common, P. Free-land & Co., Toronto, \$4; 2nd do, do, \$3.

Best soaps, collection of a-sorted fancy, G. S. Hobart, King-son, \$6; 2nd do, Sam. Ph p-pin, do, \$4.

Best spices, ground, an assortmeut of, Ly-man, Clare & Co., Montreal, \$2; 2nd do, George Robertson, King-son, \$1.

Best starch, 12 lbs of corn, Benson & Asp-den, Edwardsburgh, \$2.

Best tobacco, 14 lbs., Canadian Manufac-ture, S. S. Preston, Toronto, diploma and \$4.

Best wheat flour, G. Wheeler, Uxbridge, \$5; 2nd do, James Durand, King-son, \$3.

EXTRA ENTRIES.—Two dozen ale, James Fisher, Portsmouth, \$2; 1 box candles, Samuel Phippin, King-son, \$3; Ground coffee and rice, J. A. Kar-h, King-son, \$2; cigars, Canadian manufacture, S. Oberndorffer & Co., King-son, diploma; prepared corn for food, Benson & Aspden, Fredericksburg, \$2; ground coffee, G. O. Robertson, King-son, \$2; preserves in jars, H. Dumble, King-son, \$1; bottled pale ale, L. Livingston, King-son, \$3; loaf of home-made bread, F. B. bby, King-son, \$1; mustard pickled cucumbers, Mrs. Wein-ecker, Waterloo, \$1; preserves in jars, E. Jackson, King-son, \$4

CLASS XLIV.—LADIES' WORK—(325 Entries).

Judges.—Mrs. F. Burnett, Cobourg, Mrs. W. H. Sheppard, Toronto; Miss Hattie Stephens, Cobourg.

Best bead work, Miss P. Lenea, King-son, \$3; 2nd do, do, do, \$2; 3rd do, S. A. Bib-by, do, \$1.

Best braiding, Mary Ann Dumble, King-son, \$3; 2nd do, do, do, \$2; 3rd do, Miss H. Bidwell, Colborne, \$1.

Best crochet work, Miss Phillips, Pres-cott, \$3; 2nd do, W. Wolf, Storrington, \$2; 3rd do, E. T. Hill, King-son, \$1.

Best embroidery in muslin, J. G. Strachan, Pittsburg, \$3; 2nd do, Mary Ann Dumble, King-son, \$2; 3rd do, Miss J. A. Ramsey, Pittsburg, \$1.

Best embroidery in silk, Miss Scott, Pres-cott, \$3; 2nd do, Mrs. T. Wilson, King-son, \$2; 3rd do, Miss Bennett, Cobourg, \$1.

Best gloves, three pairs, Mrs. Platt Hin-man, Haldimand, \$2; 2nd do, Mrs. Edward Jackson, King-son, \$1; 3rd do, Mrs. Litch-field, Portsmouth, 50c.

Best guipure work, Miss H. Bidwell, Col-

borne, \$3; 2nd do, do, do, \$2; 3rd do, Elizabeth T. Hill, King-son, \$1.

Best hair work, Mary Rattenbury, Harpur-hy, \$3; 2nd do, Annie Robertson, Colborne, \$2; 3rd do, J. Hinchcock, Portsmouth, \$1.

Best knitting, Miss J. A. Ram-ay Pittsburg, \$3; 2nd do, Mrs. Unwin, Toronto, \$2; 3rd do, Mrs. P. Perry, Whitby, \$1.

Best lace work, Miss H. Bi-riwell, Colborne, \$3; 2nd do, Alice L. Hill, King-son, \$2; 3rd do, Mrs. A. M. Mills, \$1. Extra—Mrs. Mary Hart, Port Hope, \$3.

Best mittens, three pairs of woollen, Mrs. E. Jackson, Township of King-son, \$2; 2nd do, Mrs. Platt Hinman, Haldimand, \$1; 3rd do, Mrs. E. Jackson, Township of King-son, 50c.

Best needle-work, ornamental, J. A. Ram-say, Pittsburg, \$2; 2nd do, Miss Dwyer, King-son, \$2; 3rd do, Margaret Mann, Brockville, \$1.

Best netting, fancy, Mary R. Hill, King-son, \$3; 2nd do, S. Hyman, King-son, \$2; 3rd do, Mary R. Hill, King-son, \$1.

Best plait for bonnets or hats, of Canadian Straw, John Hopkins, Collins' Bay, \$3; 2nd do, do, do, \$2; 3rd do, Mrs. H. Stuckie, Co-bourg, \$1.

Best shirt, gentleman's, Margaret Mann, Brockville, \$3; 2nd do, Miss Bennett, Co-bourg, \$2; 3rd do, do, do, \$1.

Best socks, three pairs of woollen, Mrs. Platt Hinman, Haldimand, \$2; 2nd do, Miss Ben-nett, Cobourg, \$1; 3rd do, E. Jackson, Township of King-son; 50c.

Best stockings, three pairs of woollen, Mrs. Bennett, Cobourg, \$2; 2nd do, Mrs. E. Jack-son, King-son, \$1; 3rd do, R. L. Clark, Er-nes-own, 50c.

Best tatting, J. A. Ramsay, Pittsburg, \$3; 2nd do, A. L. Hill, King-son, \$2; 3rd do, C. F. Dupuy, King-son, \$1.

Best wax fruit, Miss L. Purvis, Mallorytown, \$6; 2nd do, Mrs. Jacob Bajus, King-son, \$4; 3rd do, J. A. Ramsay, Pittsburg, \$2.

Best wax flowers, Mrs. Jacob Bajus, King-son, \$6; 2nd do, Arch McGreer, Napanee, \$5; 3rd do, J. A. Ramsay, Pittsburg, \$2.

Best worsted work, Mrs. Unwin, Toronto, \$3; 2nd do, J. A. Ramsay, Pittsburg, \$2; 3rd do, Charlotte Spencer, King-son, \$1.

Best worsted work (fancy) for framing, W. Wolf, Storrington, \$3; 2nd do, S. D. Purdy, Collins' Bay, \$2; 3rd do, Mrs. Ferris, King-son, \$1.

Best worsted work [raised] J. A. Ramsay, Pittsburg, \$3; 2nd do, Miss Abercrombie, Picton, \$2; 3rd do, J. A. Ramsay, Pittsburg, \$1.

EXTRA ENTRIES.—Fancy quilt—piece work—Mrs. Amey, Camden, \$1; sample machine sewing, R. Wanzer & Co., Hamilton, \$2; fancy Quilts, Mrs. Bowman, Kingston, \$2; farmer's wreath, made from seeds, Mrs. Fairman, Pittsburg, \$3; moss wreath, Mrs. Storms, Ernestown, \$1; bed quilts, Mrs. A. M. Mills, Kingston, \$2; straw bonnets and hats, Mrs. John Hopkins, Collins' Bay, \$3; wax baskets, Mrs. Jacob Bajus, Kingston, \$4; cone vase and frame work, Miss Mary Ann Jones, Kingston, \$6; model cottage and moss wreath, Mrs. Mary Lane, Belleville, \$6; feather wreath and bouquet, Mrs. Hitchcock, Portsmouth, \$3; farmers' wreath and patched quilts, Miss A. J. Peck, Ameliasburg, \$5; quilt, Mrs. Miller, North Fredericksburg, \$2; leather work frame and paper flowers, Mrs. Dunn, Kingston, \$2; quilt, Mrs. Briscoe, Kingston, \$1; feather flowers, Mrs. Meadows, Kingston, \$2; muslin and wax flowers, Mrs. G. Hunte, Kingston, \$3; case of millinery, Mrs. Angline, Kingston, \$4; Landscape, Miss Sarah Webster, Montreal, \$3; moss and shell work, Miss Harris, Kingston, \$2; silver wire flowers, Miss M. Gordon, Port Colborne, \$3; chenille work, Miss Duryee, Kingston, \$3; bonnets and head dresses, Mrs. W. P. Lacey, Kingston, \$4; quilt, Miss W. D. Wood, Cornwall, \$2; wax vase and wreath, Mrs. Bajus, Kingston, \$3; cordon work, Miss H. Bidwell, Colborne, \$2; dried sea mosses, Mrs. Jesse Thayer, Montreal, \$4.

XLV.—MACHINERY, CASTINGS, AND TOOLS.—
(43 Entries.)

Judges.—T. Wilson, C. Bickell, Jas. Smith.

Best edge tools, an assortment, Fotheringham and Workman, Montreal, \$15; 2nd do, J. W. Robinson, Bridgewater, \$10.

Best pump, in metal, John Brokenshire, Kingston, \$5.

Best refrigerator, Chown & Cunningham, Kingston, \$6; 2nd do, R. M. Horsey, Kingston, \$4.

Best sewing machine, manufacturing, R. M. Wanzer & Co., Hamilton, \$8; 2nd do, Irwin & White, Belleville, \$5.

Best sewing machine, family, Irwin & White, Belleville, \$8; 2nd do, R. M. Wanzer & Co., Hamilton, \$5.

Best skates, an assortment of, D. F. Jones & Co., Gananoque, \$6.

EXTRA ENTRIES—Sewing machine needles, R. Wanzer & Co., Hamilton, commended; blacksmiths' tuyere iron, for forge, Eckardt & Jones, Markham, commended; hand-powered wood-sawing machine, Bender & Lewis,

Clifton, \$4; another do, Richmond & Thomas, London, \$2; model of railway switches, J. Kitching, Kingston, diploma; two cases of augurs, Fotheringham & Workman, Kingston, \$6; cooper's tools, H. H. Date, Galt, \$5; water-wheel, R. N. Kendall, Coaticoke, C. E., diploma; steam amalgam bells, A. T. Button & Co., Uxbridge, \$6; hot and cold grain dryer, Sutton & Gibson, Brantford, diploma.

CLASS XLVI.—METAL WORK, (MISCELLANEOUS) INCLUDING STOVES.—(78 Entries.)

Judges.—A. McNeil, W. McMichael, S. Shaw, Toronto.

Miscellaneous.

Best coal oil lamps, an assortment, R. M. Horsey, Kingston, \$8.

Best coppersmith's work, an assortment, J. G. Beard & Sons, Toronto, \$7; 2nd do, R. M. Horsey, Kingston, \$4.

Best engineer's brass work, an assortment, T. C. Collins, Toronto, \$6.

Best iron fencing and gate, ornamental, Chown & Cunningham, Kingston, \$7.

Best iron work, ornamental cast, Chown & Cunningham, Kingston, \$6.

Best nails, 20 lbs of pressed, Cowan & Britton, Gananoque, 2nd prize, \$4.

Best nails, 20 lbs of cut, Cowan & Britton, Gananoque, 2nd prize, \$4.

Best plumber's work, an assortment, G. McDonald, Kingston, \$6.

Best screws and bolts, an assortment, F. Fairman, Gananoque, \$6.

Best tinsmith's work, an assortment, R. M. Horsey, Kingston, \$6; 2nd do, Chown & Cunningham, do, \$4.

Best tinsmith's lacquered work, an assortment of, Chown & Cunningham, Kingston, \$6; 2nd do, R. M. Horsey, Kingston, \$4.

Stoves.

Best cooking stove, for wood, John McGee, Toronto, \$6; 2nd do, Chown & Cunningham, Kingston, \$4.

Best cooking stove, for coal, J. G. Beard & Son, Toronto, \$6; 3rd do, John McGee, Toronto, \$4.

Best furniture for cooking stove, one set, G. Chown, Kingston, \$4; 2nd do, Chown & Cunningham, do, \$3.

Best hall stove, for wood, J. G. Beard & Son, Toronto, \$5; 2nd do, John McGee, do, \$3.

Best hall stove, for coal, J. G. Beard & Son, Toronto, \$5; 2nd do, John McGee, do, \$3.

Best parlour stove, for wood, J. R. Armstrong, Toronto, \$6; 2nd do, J. G. Beard & Son, do, \$3.

Best parlour stove, for coal, John McGee, Toronto, \$5; 2nd do, J. G. Beard & Son, do, \$3.

EXTRAS.—Zinc and iron shoe nails, Cowan & Britton, Gananoque, commended; bar iron manufactured from scrap, A. C. Chewett & Co, Kingston, \$4; bar iron from native ore, A. C. Chewett & Co., Kingston, \$4; steel for sleigh shoes, A. C. Chewett & Co., Kingston, \$4; boiler and bridge rivets from scrap iron, A. C. Chewett & Co., Kingston, \$2; set of weights and measures, Hiram Piper, Toronto, \$6; Signal lamp for vessels, Hiram Piper, Toronto, \$4; specimen of electro-plating, Wallace Millichamp, Toronto, \$3; forged work, Thos. L. Wilson, Kingston, diploma and \$6.

CLASS XLVII.—MISCELLANEOUS, INCLUDING POTTERY AND INDIAN WORK.—(64 Entries.)

Judges.—J. F. Wright, J. A. Tarbort, D. McMillan.

Best artificial leg, John Condell, Brockville, \$6.

Best artificial arm, do, do, \$6.

Best brushes, an assortment, Alfred Green, Hamilton, \$6.

Best model of a steam vessel, Richard Osborne, Newburg, \$6.

Best model of a sailing vessel, Andrew Rea, Kingston, \$6; 2nd do, James Heasley, Kingston, \$4.

Best stoneware, an assortment, S. Skinner & Co., Hallowell, \$10.

Best slates for roofing, Benjamin Walton, Toronto, \$8.

Best buckskin mittens, one pair, James H. Peck, Albury, \$2; 2nd do, Groh & Mayer, Kingston, \$1.

Best moccasins, one pair of plain, Groh & Mayer, Kingston, \$2.

Best moccasins, worked with beads or porcupine quills, one pair, Betsey—Caughnawaga, \$3.

EXTRA ENTRIES.—Garden tiles for walk edges, Bateman Losee, Cobourg, \$4; skiff, Marshall Bros., Kingston, diploma; pleasure boat, M. V. Gorman, Kingston, diploma; 3 pairs sweep oars and 6 paddles, do, do, diploma; pleasure skiff, do, do, \$5; 3 pairs of spoon-blade oars, diploma; red brick, D. Campbell, Charlottenburg, \$3; row boats, H. Tomlinson, Portsmouth, Diploma; collection of whisks, J. L. Stranahan, Toronto, \$1; 2 watch pockets, (Indian work) Betsey —,

Caughnawaga, \$1; pin cushion, do, do, 50c; smoking cap, Mary —, do, \$1; running man target, Martin Scott, Kingston, \$1.

CLASS XLVIII.—MUSICAL INSTRUMENTS—(Entries.)

Judges.—John Carter, Toronto; A. W. Murdock.

Best harmonium, Andrus Brothers, London, \$10.

Best melodeon, R. S. Williams, Toronto, \$6; 2nd do, Andrus Brothers, London, \$4.

Best piano, square, J. C. Fox, Kingston, \$15;

EXTRA.—Military brass drum, R. S. Williams, Toronto, diploma.

REMARKS.—The judges having examined the several instruments in the Crystal Palace, in addition to the prizes awarded they wish to speak favorably of several instruments (melodeons, organs, &c.) exhibited by D. W. Caldwell, of Kingston, in the Foreign Class. In deciding the prizes for melodeons they hesitated much as to which of the competitors to award the 1st prize, but finding the finish of those by Williams somewhat superior, they agreed to recommend that the 1st prize be awarded him.

CLASS XLIX.—NATURAL HISTORY—(10 Entries.)

Judges.—Professor Lawson, Kingston; Professor Buckland, Toronto.

Best collection of native insects, classified, and common and technical names attached, R. V. Rogers, Kingston, \$8.

Best collection of minerals of Canada, named and classified, A. T. Drummond, Kingston, \$8.

Best collection of native plants, arranged in their natural families and named, John Macoun, Belleville, \$8; 2nd do, Thos. W. Poole, Norwood, \$5; 3rd do, John Bell, Kingston, \$3.

Best collection of the woods of Canada, boards two feet long, one side polished,; also, a portion of the tree cut in sections showing the bark, Nathaniel Leonard, Westbrook, \$8.

EXTRA.—Collection of Canadian shells, A. T. Drummond, Kingston, \$3.

CLASS L.—PAPER, PRINTING, BOOKBINDING AND TYPE—(41 Entries.)

Judges.—John Creighton, Kingston; Wm. Halley, Toronto.

Best book-binding (blank book) assortment, of Thomas McAuley, Kingston, \$5; 2nd do, Brown Brothers, Toronto, \$3.

Best book-binding (letter-press, Brown

Brothers, Toronto, \$5; 2nd do, Dredge & Wil-on, Toronto, \$3.

Best letter-press printing, plain, Donnelly & Lawson, Hamilton, \$5; 2nd do, George Brown, Toronto, \$3

Best letter-press printing, ornamental, Geo. Brown, Toronto, \$5; 2nd do, W. Lightfoot, Kingston, \$3.

Paper hangings. Canadian paper, one dozen rolls, assorted, W. Robinson, Kingston, \$6; 2nd do, do, do, \$4.

Best papers [printing, writing and wrapping] one ream of each, A. Buntin & Co., Montreal, \$6; 2nd do, Angus and Logan, Montreal, \$4.

Best papers [blotting and coloured] one ream of each, A. Buntin & Co., Montreal, \$6.

Best pocket-books, wallets, &c., an assortment, Brown Brothers, Toronto, \$6.

EXTRAS.—Envelopes, A. Buntin & Co., Montreal, \$1; bill-cases and blotting-cases, Brown Bros., Toronto, \$1; card cases, do, do, \$2; ornamental posters, George Brown, Toronto, \$1; plain cards, do, do, \$1; ornamented do, do, do, \$1; general job printing, do, do, \$2; envelopes, P. B. Marin, Montreal, 50c.

REMARKS.—The Judges regret that no very good specimen of book-printing has been entered for competition, and they think that in future a special prize should be given for book and fine wood-cut printing.

CLASS LI.—SADDLE, ENGINE-HOSE, AND TRUNK MAKERS' WORK, AND LEATHER.—(48 Entries.)

Judges.—T. Morrow, and W. Edwards, Toronto.

Best harness, set of double carriage, Marshall Porter, Bowmanville, 2nd prize, \$5.

Best harness, set of single carriage, do, do, 2nd prize, \$4.

Best harness, set of team, do, do, \$5.

Best harness, six pair of wooden team, S. Skinner, Gananoque, \$3.

Leather.

Best belt leather, 30lbs, John Bartle, Chippawa, \$3; 2nd do, S. S. Wartman, Camden, \$2.

Best brown strap and bridle, one side of each, John Billing & Co., Galt, \$3 and Diploma; 2nd do, S. S. Wartman, Camden, \$2.

Best carriage covers, two skins, John Billing & Co, Galt, \$3.

Best deer skins, dressed, Jacob DeWitt, Montreal, \$2.

Best harness leather, two sides, Robert Lingwood, Fergus, \$3 2nd do, John Billing & Co., Galt, \$2.

Best hogskins, for saddles, three, John Billing & Co., Galt, \$4; 2nd do, Robert Lingwood & Co., Fergus, \$3.

Best skirting for saddles, two sides, John Bartle, Chippawa, \$4; 2nd do, John Billing & Co., Galt, \$3.

EXTRA ENTRIES.—One side black bridle leather, John Billing & Co., Galt, \$2; two sides collar leather, do, do, \$2; two sides of hose leather, do, do, \$2; silver and brass plated harness, S. Skinner, Gananoque, diploma; assorted collection of harness, do, do, \$4; calf kid for shoe work, Jacob DeWitt, Montreal, \$2; calf kid for glove work, do, do, Diploma; white organ leather, do, do, \$3; leather belting in rolls, L. J. Campbell & Co. Montreal, Diploma; carriage and harness, silver plated mountings, Wallace Millichamp, Toronto, Diploma.

REMARKS.—The Judges regret that the competition in this class is so very small. The double and single sets of harness exhibited are not got up in sufficiently good taste to warrant the awarding of first prizes. The six specimens of harness leather exhibited are of very superior quality, and entitled to the highest commendation.

CLASS LII.—SHOE AND BOOT-MAKER'S WORK, LEATHER, &c.—(64 Entries.)

Boots, &c.

Judges.—J. Bain, S. S. Madden, and W. H. Ball.

Best boots, ladies', an assortment, A. Sutherland, Kingston, \$7; 2nd do, W. Allan, Kingston, \$4.

Best boots, gentleman's sewed, assortment, W. Allan, Kingston, \$7; 2nd do, A. Sutherland, Kingston, \$4.

Best boots, pegged, an assortment, A. Sutherland, Kingston, \$5; 2nd do, Kirk and Row, Kingston, \$3.

Boot and shoemakers' lasts and trees, an assortment, M. Selway, Toronto, \$8; 2nd do, James Bullock, Lyn, \$5.

Best shoemakers' pegs, an assortment, W. A. Young, Carlisle, \$4.

Best shoes, India rubber, an assortment, John Billing & Co., Galt, \$6; 2nd do, R. Lingwood, Fergus, \$4.

Leather.

Best calf-skins R. Lingwood, Fergus, \$3; 2nd do, Thomas Fowke, Darlington, \$2.

Best calf-skins, grained, R. Lingwood, Fergus, \$3; 2nd do, Thos. Fowke, Darlington, \$2.

Best calf-skins, two morocco, R. Lingwood,

Fergus, \$3; 2nd do, John Bartle, Chippawa, \$2.

Best cordovan, two skins of, Robert Lingwood, Fergus, \$3; 2nd do, John Billing & Co., Galt, \$2.

Best dog-skins, two dressed, Thos. Fowke, Darlington, \$3.

Best kip-skins, two sides, John Bartle, Chippawa, \$3; 2nd do, Thos. Fowke, Darlington, \$2.

Best kip-skins, grained, Thos. Fowke, Darlington, \$3; 2nd do, John Billing & Co., Galt, \$2.

Best linings, six skins, R. Lingwood, Fergus, second prize, \$2.

Sheep-skins, six coloured, John Billing & Co., Galt, \$3.

Best sole leather, two sides, Robert Lingwood, Fergus, \$3; 2nd do, R. Campbell, Portsmouth, \$2.

Best upper leather, two sides, John Bartle, Chippawa, \$3; 2nd do, R. Lingwood, Fergus, \$2.

Best upper leather, grained, two sides, Thos. Fowke, Darlington, \$3; 2nd do, Robert Lingwood, Fergus, \$2.

EXTRAS.—Split leather, John Billing & Co., Galt, \$2; bellows leather, do, do, \$2; card leather, do, do, \$2; waxed grain leather, Robert Lingwood, Fergus, \$1; screw power boot treeing machine, W. A. Young, Carlisle, \$3; double lever boot crimping machine, do, do, \$5; stretching and rubbing down machine, do, do, \$1.50; lever power boot treeing machine, do, do, \$2; Balmoral shoe-tops, machine made, G. W. Folts, Toronto, 50c.

CLASS LIII.—WOOLLEN, FLAX, AND COTTON GOODS; AND FURS AND WEARING APPAREL—(175 Entries).

Judges.—G. W. Weaver, Montreal, and H. M. Melville, Hamilton.

Best bags, from flax or hemp, the growth of Canada, one dozen, Robert Denison, Napanee, \$5; 2nd do, D. Campbell, Charlottenburg, \$4.

Best blankets, woollen, one pair, Daniel Campbell, Charlottenburg, \$6; 2nd do, Mrs. Anne J. Waldron, Storrington, \$4.

Best carpet, woollen, one piece, E. Snider, Elizabethtown, \$8; 2nd do, N. Dollar, N. Fredericksburg, \$5.

Best carpet, woollen stair, one piece, E. Snider, Elizabethtown, \$6; 2nd do, C. A. Henderson, Brockville, \$4.

Best cassimere cloth, from merino wool, one piece, J. N. Pitts, Port Dover, \$6; 2nd do, Platt Hinman, Grafton, \$4.

Best cloth, fulled, one piece, B. M. Clark, Ernestown, \$6; 2nd do, R. Williams, Switzerville, \$4.

Best counterpanes, two, Mrs. A. J. Waldron, Storrington, \$5; 2nd do, Miss Catherine Harker, Kingston, \$3.

Best check for horse collars, one piece, N. Leonard, Westbrooke, \$4; 2nd do, C. A. Henderson, Brockville, \$3.

Best drawers, factory made, woollen, one pair, T. Wilson, Kingston, \$4.

Best flannel, factory made, one piece, Hiram Tubbs, Hallowell, \$5.

Best flannel, not factory made, one piece, D. Campbell, Charlottenburg, \$5; 2nd do, W. Tubbs, Picton, \$3.

Best fur cap and gloves, C. Wright, Kingston, \$4; 2nd do, Groh & Meyer, Kingston, \$3.

Best fur sleigh robes, buffalo, wolf and raccoon, (an assortment), J. A. McDowell, Kingston, \$5; 2nd do, C. Wright, Kingston, \$3.

Best gloves and mits of any leather (an assortment), J. Dewitt, Montreal, \$4; 2nd do, Groh and Meyer, Kingston, \$3.

Best horse blankets, two pair, Robt. Denison, Napanee, \$5; 2nd do, W. S. Guess, Loughboro, \$3.

Best Kersey for horse clothing, one piece, N. Leonard, Westbrook, \$5; 2nd do, R. Denison, Richmond, \$3.

Best linen goods, one piece; Dan. Campbell, Charlottenburg, \$5; 2nd do, Daniel Campbell, Charlottenburg, \$3.

Best overcoat of Canadian cloth, John Kinnear, Kingston, \$4; 2nd do, Joseph Brown, Camden, \$3.

Best satinnet, black, one piece, R. Williams, Switzerville, \$6.

Best satinnet, mixed, one piece, R. Williams, Switzerville, \$5.

Best silk and felt hats, Clark Wright, Kingston, \$5; 2nd do, D. Chisachi, Kingston, \$3.

Best suit of clothes, of Canadian cloth, J. Kinnear, Kingston, \$8.

Best tweed, winter, one piece, John Pitts, Port Dover, \$6.

Best tweed, summer, one piece, J. N. Pitts, Port Dover, \$6.

Best woollen cloths, tweeds, &c., an assortment, J. N. Pitts, Port Dover, \$10.

Best woollen shawls, stockings, drawers, shirts, and mits, an assortment, E. Snider, Elizabethtown, \$10.

Best yarn, white and dyed, one pound of

each, Tho. Wilson, Kingston, \$2; 2nd do, E. Jackson, Kingston, \$1.

Best yarn, fleecy woollen, for knitting, one pound, Mrs. T. Wilson, Kingston, \$2; 2nd do, Mrs. Chas. Bellwood, Clark, \$1.

Best yarn, cotton, two pounds, D. Campbell, Charlottenburg, Glengarry, \$2.

EXTRA ENTRIES—Rag carpeting, N. Dollar, Fredericksburg, \$8; assortment of furs, mocassins, &c., James McDowell, Kingston, \$5; do do, Clark Wright, Kingston, \$5; linen drapery, D. Campbell, Charlottenburg, \$5; assortment of dressed furs and ladies' furs, Groh & Meyer, Kingston, \$12; flannels, Mrs. L. Brown, Camden, \$3; ladies' and gentlemen's furs, D. Chisachi, Kingston, \$8; fancy carriage robe, Mrs. T. Wilson, Kingston, \$3; gentleman's plaid, D. Campbell, Glengarry, \$1; suit of Persian lamb skin fur, J. McDowell, Kingston, highly commended, \$4.

CLASS LIV.—FOREIGN MANUFACTURES.—
(20 Entries.)

Judges.—J. E. Pell, Montreal, and W. H. Sheppard, Toronto.

Family sewing machine, C. W. Williams & Co., Boston, commended.

Stonepaper for roofing, manufactured in Prussia, W. Wagner, Montreal, Diploma.

Cottage organ, Jacob Esta, Vermont, Harmonic organ, do, do, Double Harmonic melodeon, do, do, Single do, do, Harmonic Aeolian, do, do, Square piano, do, do, all exhibited by D. W. Caldwell, agent, Kingston, highly commended, Diploma.

Illuminated book-makers, woven in silk, Thomas Stevens, Coventry, England, Commended.

Cuttlery, Buton and Milliner, Rochester, Diploma.

Assortment of flint glass, E. D. Dethridge, Pittsburgh, commended.

Sewing machine, G. W. Folts, Toronto, commended.

One 7-octave piano, Stodart & Morris, New York, exhibited by B. A. McDonald, agent, Toronto, Diploma.

Publications of the British & Foreign Bible Society, exhibited by E. Stacy, agent, Kingston, commended.

Miscellaneous.

PULVERIZATION OF MANURE.

There is no doubt that the pulverization of manure is important in reference to deriving the greatest benefit from it in nourishing plants.

A late number of the *Country Gentleman* gives the following practical remarks on this subject:

After the manure is spread over the soil, and before ploughing in, great benefit is derived by thorough harrowing with the top soil, thus breaking finely both the manure and the soil, and mixing them well together.

Another way for the perfect diffusion of the manure among the particles of earth, is to spread the manure in autumn, so that all the rains of the season may dissolve the soluble portions and carry them down among the particles, where they are absorbed and retained for the growing crop.

In experiments which we have witnessed, where the manure for the corn was first applied in autumn, it has afforded a yield of about seventy bushels per acre, when the same amount applied in spring gave only fifty bushels. A thin coating of manure applied to winter wheat at the time of sowing, and well harrowed in, has increased the crop from seven to ten bushels per acre—and in addition to this, by the stronger growth it has caused, as well as by the protection it affords the surface, it has not unfrequently saved the crop from total or partial winter killing.

In cases where it is necessary to apply coarse manure at once, much may be done in lessening the evils of coarseness by artificially grinding it into the soil. The instrument called the drag-roller—which is like the common roller set stiff, so as not to revolve—has been used to great advantage for this purpose, by passing it over the surface in connection with the harrow. We have known this treatment to effect a thorough intermixture, and to more than double the crop obtained by common management with coarse manure.

FORESTS A NECESSITY OF FERTILITY.—The value of forests to a country in retaining moisture is well illustrated by the late severe freshets of the Connecticut valley. The snow melts quicker in an open country, and is retained longer among groves. Formerly the Connecticut river and its tributaries were clothed with forests; now they are largely denuded, and we have reason to expect greater freshets than formerly.—The present barrenness of Greece and Palestine as contrasted with their former fertility, is similarly accounted for.—Dr. Unger, a celebrated naturalist of Vienna, claims that the climate lacks its original moisture. He says the hordes of warriors who have followed each other for centuries on that soil, have burned up the forests, and every effort of nature to make restoration is subdued by a superabundance of goats. The population live on the products of the goats, and the goats crop every twig, thus bringing barrenness. If the forests should ever again grow, Dr. Unger thinks fertility would be restored.

Editorial Notices, &c.

BRITISH AMERICAN MAGAZINE, No. 7, November, Rollo & Adam, 1863.

This is a capital number, commencing the second volume of this popular native serial, which we are happy to learn is steadily increasing in circulation. It being essentially a Canadian production, made up of original papers relating to our vast natural, and, as yet, undeveloped resources, and of entertaining tales, of a correct moral tone, cannot fail to exercise a healthy influence on the social condition of these North American Provinces. The article from the prolific pen of the Editor on the "Political and Commercial Importance of the Fisheries of the Gulf of St. Lawrence, Labrador and Newfoundland, demands in particular the attention of our Statesmen, and will be found of great interest to the general reader. We regret that want of space will not allow the transference of the article on "Our Country Homes,—their Rural Aspect," to our pages. It evinces correct taste and a practical acquaintance with Canadian wants and shortcomings, in matters of rural comfort and picturesque advancement, and we feel particularly interested in the article as emanating from the pen of a *Canadian Farmer*. The space devoted to the Reviews and critical notices of books in this Magazine will be found highly interesting and of no small practical value to a numerous class of readers, especially those who live in the country, as a sort of guide in making a judicious selection, and in keeping them up to some extent, with the progress of British and American literature. The twelve numbers of this valuable periodical form two handsome volumes a year, for the moderate charge of three dollars.

OUTLINES OF THE STRUCTURE AND PHYSIOLOGY OF THE ANIMALS OF THE FARM, FOR AGRICULTURAL STUDENTS AND FARMERS, by John F. Hodges, M.D., F.C.S. Professor of Agriculture and Medical Jurisprudence in the Queen's University, Ireland. London: Longman & Co., 1862.

We have to thank the Author for a copy of this little work, which like its predecessors from the same able pen, "Lessons on Chemistry and its application to Agriculture," and "First Steps to Chemistry," is admirably adapted to

the wants of farmers everywhere. Professor Hodges is something more than a chemist. He writes with a correct and extensive knowledge of science, and a considerable acquaintance with the practice of agriculture, having for many years filled the office of Secretary to the Chemico-Agricultural Society of Ulster, and the Chair of Agriculture in the Queen's College, at Belfast. The little work before us contains the substance of the lectures which the Professor has been in the practice of giving from his own chair, and also to the students of the Royal Albert Institution at Glasnevin, near Dublin, as well as to Farmers' Clubs, &c.

The reader will form a pretty full idea of the scope of this work from the following condensed statement of its contents: Introductory; Classification of the Animal Kingdom; The Blood; The Organs of Digestion; Circulation of the Blood; The Bile, &c.; How the Blood is Purified; Respiration; The Solid Framework of the Animal; The Skin, Hair and Wool; Composition and Adulteration of Milk. All the above subjects are treated in a very familiar manner, without the least sacrifice of scientific accuracy, and the accompanying wood cuts will very much assist the reader in more readily and perfectly comprehending the meaning of the text. We would like to see this, and the other works of Dr. Hodges above mentioned, introduced into the Schools of Canada: as lesson or text books they are in every way suitable to the most urgent wants of an agricultural community.

THE PRACTICAL SHEPHERD: By H.S. Randall, LL.D. Philadelphia: J. P. Lippincott & Co.; Rochester, N.Y.: D. D. Moore, 1863.

We have to thank the author for a copy of the above very complete Treatise on the History, Breeds and Management of Sheep. Dr. Randall is a gentleman favourably known for two little excellent works, published some time since, on "Sheep Husbandry in the South," and "Fine Wool Sheep Husbandry." The "*Practical Shepherd*," however, contains, in addition to the pith of these publications, the author's matured opinions and experience, bringing up the subject to the present state of knowledge, and the most approved systems of management, not only of fine but of coarse woolled sheep of all breeds. We observe that special mention is made of the Canadian breed-

ers, Messrs. Stone, Miller, &c., with cuts of some of their characteristic animals. The work is exceedingly well printed, and illustrated on good paper, and the "getting up" is highly creditable to the establishment of Mr. D. D. Moore, of the *Rural New Yorker*. As sheep husbandry is daily acquiring more importance in Canada, we can safely recommend to our farmers "THE PRACTICAL SHEPHERD," as the most comprehensive and valuable treatise on this subject that has as yet emanated from the American press.

is not stated, but we presume it is about a dollar. Every farmer having a flock of sheep, of whatever breed and however small, would do well to procure a copy. Mr. Fleming, Seedsman, Toronto, has a few copies of this work on hand.

BLACKWOOD'S Edinburgh Magazine; October 1863; New York: Leonard, Scott & Co.

This old serial the longer it lives seems to increase in the vivacity and attractiveness of its articles. The present number contains the conclusion of *Cantoniana*; *Sheridan Knowles*; *To-day in Italy*; *Harron School*; *Chronicles of Carlingford*; *Amen!*—in the *Cathedral of St. Andrews*; *Gold and Social Politics*.

TORONTO MARKET PRICES.

TORONTO, NOVEMBER 21, 1863.

Fall Wheat, per bushel.....	\$0 80 to \$1 05
Spring Wheat, ".....	78 " 82
Barley, ".....	76 " 86
Peas, ".....	45 " 50
Oats, ".....	42 " 44
Rye, ".....	56 " 60
Beef,	3 00 " 4 50
Potatos, per bushel.....	35 " 45
Flour, No. 1 to Extra.....	3 30 " 4 50
Turnips.....	12 " 15
Carrots.....	20 " 25
Pork, per 100 lbs.....	4 50 " 5 00
Geese, each.....	37 " 50
Ducks, per pair.....	35 " 40
Turkeys, each.....	75 " 1 00
Apples.....	1 50 " 2 50
Fresh Butter, per lb.....	18 " 20
Eggs, per doz.....	15 " 20
Chickens.....	30 " 35
Calves, each,.....	4 00 " 6 00
Sheep, each.....	3 75 " 4 50
Hay, per ton.....	10 00 " 12 00
Straw, ".....	6 00 " 7 00
Hides, per 100 lbs.....	5 00 " 5 00
Calfskins, per lb.....	8 " 9
Sheep Skins.....	80 " 1 25
Wool, per lb.....	40 " 43
Plaster of Paris, per barrel ..	95 " 1 00
.....	1 80 " 1 87

MONEY TO LEND,

In sums of \$250, \$500, and upwards, in **FARMING PROPERTY.**

Apply, if by letter, prepaid, to

MR. WEBBER,

Upper Canada Land Registry Office, corner Change Alley and Colborne St., Toronto, C.W.

Wanted some Good Farms, and Wild Lands, in well settled districts. 3t

THOROUGHbred AYRSHIRES FOR SALE,

Apply to

R. L. DENISON,
Dover Court.

Aug. 20th, 1863.

Coe's Super-Phosphate of Lime FOR WHEAT.

THE following testimony is from an extensive Wheat-grower, and the best of authority:

{ Near Frederick, Frederick Co., Md.,
January 2, 1863.

DEAR SIR,—I have used Coe's Super-phosphate of Lime for several years past with uniform success, and last season it proved particularly satisfactory. Ten acres of land which was of more than an ordinary poor quality was treated in the following manner:—On one half the piece I used Coe's Super-phosphate, at the rate of 200 lbs. to the acre; on the other half Peruvian Guano at the same rate, and sowed with wheat. On the five acres on which I used Phosphate, I had at least twent-five per cent. more wheat, and the berry was much larger and of nicer quality than where the Guano was used, and also the straw was much the heaviest where the Phosphate was used. I have used Coe's Phosphate in different ways, and on different crops, and the results have been highly satisfactory.

Very truly yours,
JOHN H. DETRICK.

THOROUGH-BRED SHORT HORN FOR SALE.

MORETON DUKE, got by Mr. Stone's Bull 3rd Grand Duke, 229 $\frac{1}{2}$, calved 9th June, 1860.

William of Oxford, got by Mr. Stone's Bull 12th Duke of Oxford, calved 19th November 1859.

David, got by Sir Charles, a son of 3rd Grand Duke, calved 1st March 1861.

Marquis of Oxford, got by William of Oxford, calved 20th March 1863.

Warwick, got by Moreton Duke, calved 26th March 1863.

Terms very reasonable.

W. WILLCOCKS BALDWIN,
Larchmere, Oak Ridges.

April, 1863.

if.

SEED AND IMPLEMENT

WAREHOUSE.

ESTABLISHED, 1836.

THE SUBSCRIBERS beg to inform the Farming Community and the Public generally, that they have now opened their new place of business in the

AGRICULTURAL HALL,

AT THE

COR. OF YONGE AND QUEEN STREETS,
Where they will keep an Extensive Stock of

FIELD AND GARDEN SEEDS.

of the best quality; and in connection with their

Wholesale & Retail Seed Business,

They will keep in Stock a Large and Varied Assortment of the most Improved

AGRICULTURAL IMPLEMENTS, HORTICULTURAL TOOLS, and USEFUL BOOKS for FARMERS and GARDENERS.

JAMES FLEMING & CO.,

Seed-men to the Agricultural Association of U. C.

TORONTO, Dec. 16th, 1862.

Agricultural Implements.

One Horse Ploughs.....\$5 00 to \$ 7.00 each.
Two Horse Ploughs... Nos. 1, 2 & 3 16.50 "
" " iron beam..... 12 00 "
Patterson & Brothers, Manufacturers, Belleville.
" " wood Nos. 4 & 5 .0.00 "
" " " No. 6..... 16.50 "
One Horse Hoes or Cultivators.... 8.00 "
Straw Cutters, for horse or hand
power..... 30.00 "

Draining Tools of Superior Quality, Spades, Shovels, Manure Forks, Potato Forks, Hay Forks, Cradles, Scythes, Snaths, Iron Rakes, Hoes, Hand and Horse Hay Rakes, &c., &c., &c.

JAMES FLEMING & Co.

TORONTO, Dec. 16th, 1862.

Miscellaneous Articles.

FOR SALE BY

James Fleming & Co.

Rustic Iron Garden Chairs, Plain and Ornamented Flower Pots, Vases, Propagating-Glasses, Fish Globes, Aquariums, Green-house Syringes, Conservatory Pumps, Water-pots with patent brass roses, Fumigators, Saynor's celebrated Pruning and Budding Knives, Bass Mats, Hedge Shears, Transplanting Trowels, Grass Shears with long handles, Thistle Spuds, Fancy Rakes and Hoes, Hatchets, Hammers, Sets of Garden Tools for Boys, Large Pruning Shears, Garden Lines and Reels, Gardener's Gloves &c., &c; &c.

Contents of this Number.

PAGE.

Precautions in Cultivating Potatoes.....	409
Agricultural and Veterinary Instruction.....	410
A few words about the Provincial Exhibition.....	411
Agricultural Shows.....	412
Ploughing, Fall or Spring.....	412

AGRICULTURAL INTELLIGENCE:

Protection of Sheep.....	413
Wentworth Turnip Match.....	313
Agricultural Inventions.....	414

HORTICULTURE:

Meeting of the U. C. Fruit Grower's Association....	416
Pears on Grafts.....	418
Pear Culture—Dr. Beadle's Prize.....	419
The Flavor of Fruit improved by Thinning.....	419
The Grape Interest.....	420

VETERINARY:

Exhibition of Animal Food to Herbivorous Animals.....	420
Diphtheria among Army Horses.....	421

TRANSACTIONS:

Prize List, Provincial Exhibition,—	
Prize: for Horses.....	421
“ Cattle.....	423
“ Sheep.....	425
“ Pigs.....	4 7
“ Poultry.....	429
“ Agricultural Productions.....	429
“ Horticultural Products.....	431
“ Agricultural Implements.....	435
“ Arts and Manufactures.....	437

MISCELLANEOUS:

Pulverization of Manure, &c., &c.....	445
EDITORIAL NOTICES, MARKETS, &c.....	446

THE CANADIAN AGRICULTURIST

AND JOURNAL OF THE

BOARD OF AGRICULTURE

OF UPPER CANADA.

THIS LONG ESTABLISHED PERIODICAL is published in Toronto on the 1st of each month, making 12 numbers in the year.

Each number contains not less than 49 pages, the size of the page of this Prize List, occasionally illustrated by Wood Cuts, thus giving a large and handsome volume of about 590 pages.

TERMS:

Single copies, 50 cents a year.
Five to twenty copies, 10 per cent. discount.
Twenty to thirty-five copies, 15 per cent. "
Thirty-five to Fifty copies, 20 per cent. "
Fifty copies and upwards, 25 per cent discount allowed.

Subscriptions payable always strictly in advance.

EDITORS:

Professor Buckland, University College, Toronto. Hugh C. Thomson, Secretary Board of Agriculture of Upper Canada. Andrew Smith, Licentiate of the Edinburgh Veterinary College and Consulting Surgeon to the Board of Agriculture of Upper Canada.

All orders to be addressed to the Secretary of the Board of Agriculture, Toronto.

The back numbers of the present volume can still be supplied at the above rates.

Orders for the half volume, commencing 1st July, taken at 25 cts. per copy; discount for a number of copies in same proportion as above.

AGRICULTURIST OFFICE. }
Toronto, June, 1863. }