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# FARMING

September 20th, 1898.

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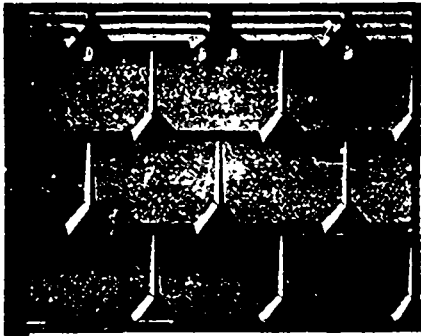
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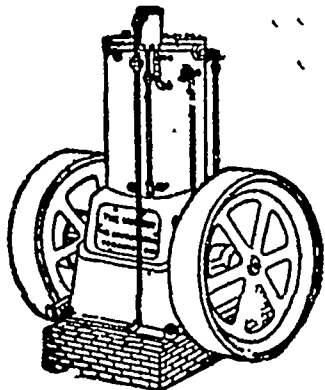
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Young sows bred to a Snell boar.  
Young pigs by Tom Lee, —4131—  
Also pigs of both sexes, sired by (imp.) British Flag —5162—; dam, a show sow of Snell's. These are lengthy pigs with quality and size, sure to please. Prices to suit the times.

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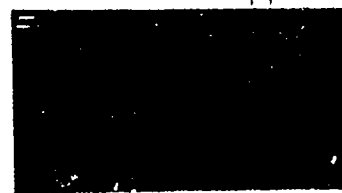
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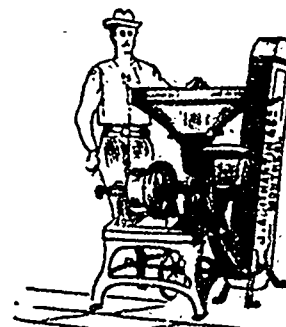
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# FARMING

Vol. XVI.

SEPTEMBER 20th, 1898.

No. 3

## Dairy Commissioner of New Zealand

Mr. J. A. Ruddick, Superintendent of the Kingston Dairy School, accepts the position.

The New Zealand Government has renewed its efforts to secure the services of Mr. J. A. Ruddick, Superintendent of the Kingston Dairy School, referred to in our columns some weeks ago,



and this time with success. Mr. Ruddick has decided to accept their offer and will leave for New Zealand about October 12th to assume the duties of Dairy Commissioner for the island. He will receive the splendid salary of \$2,300 per annum in addition to having free transportation for himself, family and household effects to that country. Though we are sorry to see so practical and thorough a dairyman as Mr. Ruddick leave Canada, he is to be congratulated on this splendid recognition of

his ability as a teacher of up-to-date dairying.

Mr. Ruddick is a self-made Canadian and is yet only in his prime. He was born in the County of Oxford and left home in 1880 to learn cheese-making in Norfolk County. A couple of years later he engaged with Mr. D. M. MacPherson and shortly after was made superintendent of Mr. MacPherson's combination of sixty cheese factories. He afterwards acted as instructor for the Eastern Dairy Association and in 1891 entered the service of the Dominion Dairy Commissioner. He is best known to Canadian dairymen perhaps as the maker of the Mammoth Cheese which created such a sensation at the World's Fair at Chicago in 1893. While on the Dairy Commissioner's Staff he saw service in Ontario, Quebec, Manitoba, the Northwest, and British Columbia. He took charge of the Kingston Dairy School at its inception in 1894 and it has made steady advancement under his care. He had charge of the first winter creamery in Canada, and has been closely identified with that branch of dairying ever since. Mr. Ruddick, therefore, goes to his new field of labor well fitted to perform the responsible duties connected with it, and we are sure that the dairy interests of New Zealand will prosper under his guidance. The special efforts which our competitors on the other side of the globe are making to improve their dairy products should stir up our dairymen to greater things lest they lose the position they now hold in the British markets.

## A New View of the World's Fair Scheme

A big World's Fair for Toronto in 1901 is being talked of. As to the wisdom of such an undertaking there appears to be a very wide difference of opinion. However,

there is room for believing that a great international fair on Canadian territory, if properly advertised and managed, would result in great benefit to this country. But the stumbling-block in the way seems to be that this country is not big enough to carry out such a gigantic undertaking. The main object in carrying out such a scheme is to advertise Canada and her products. But to make it a successful advertisement it would be necessary to have the exhibition conducted on a scale that would attract visitors from abroad. A World's Fair on a moderate scale might serve as a good advertisement for the country, but if the same degree of success is looked for as other great fairs have had, it would be foolish to attempt anything of an inferior character to what people have become accustomed to in this line.

From an agricultural point of view there are, no doubt, many advantages to be gained from holding a World's Fair. Canada, more than anything else, is a producer of fine food products, and it becomes necessary to advertise these both at home and abroad. There are many ways of doing this, and the holding of a World's Fair is one of them. But to do this for our food products it would not be necessary to make an elaborate display of everything in the decalogue prescribed for World's Fairs. Would not the purpose of a World's Fair, so far as our food products are concerned, be served just as well by having an elaborate display of the best we can produce along these lines? By 1901, at the present rate of progress, we would have attained to such perfection in quality that we could, without any fear whatever, invite produce dealers and provision merchants from every country in the world to come and see the greatest and finest display of food products ever exhibited by any one country.

This is an age of specialization, and why not specialize in conducting World's Fairs as well as in anything else, and, instead of spreading our efforts over a wide area, confine them to making a special exhibit of the products in which we know that we excel. The specialties which occur to us just now are fine food products, high-class breeding stock, and unexcelled mineral resources; and there may be others. Special exhibits of these three, arranged in connection with the Industrial Fair, would, if judiciously advertised, serve to attract attention to this country and to the kind of goods we have the most to dispose of. Of course, such a scheme would not partake of anything of the nature of a World's Fair as most people understand it, and that term applied to it would be a misnomer, but it would be a special effort of a nature that would result in great benefit to the great producing classes of this country, and serve to attract a line of visitors whom it is desirous that we should reach if we are to obtain a market for our leading products. It is a question in our mind whether the host of sight-seers, who spend their time in sight-seeing, and who would visit a World's Fair because it is a World's Fair, bring any great benefit other than the money they would leave behind, to the country where the Fair is held. They are so accustomed to sight-seeing and merely amusing themselves that they are constantly looking ahead for new pleasures and rarely think of what they have already had. The kind of person we want to reach is the man upon whom we can make a lasting impression, and who, in the future, will buy largely of what we have to sell.

We are therefore inclined to the opinion that whatever time and money it might be necessary to expend on a World's Fair could be more profitably spent upon some such scheme as we have outlined above. It would not be

necessary to confine our efforts in this regard to one year. Such an exhibit might remain as a permanent feature of the Industrial Fair, if it were located here and if permanent buildings were erected. The time for holding the exhibition could be extended, and every effort made to advertise it in Great Britain and other countries, so that tourists and others could take it in on their trips to this country. A permanent exhibit of this kind would be a great educational factor among our own people.

## Hog Cholera

### An Outbreak Near Ottawa. Preventive Measures

The report of the outbreak of hog cholera near Ottawa has aroused new interest in this subject. Canada has been comparatively free from this scourge, and, though there have been several outbreaks in recent years, the prompt measures taken by the Government to stamp out the disease have prevented it spreading to any great extent. Active measures have been taken in connection with the Ottawa case, and it is not likely that the outbreak there will get beyond its present limits. Farmers should, however, be on the alert, and if there is any sign of the disease call in the proper authorities and have it investigated. An ounce of prevention is better than a pound of cure.

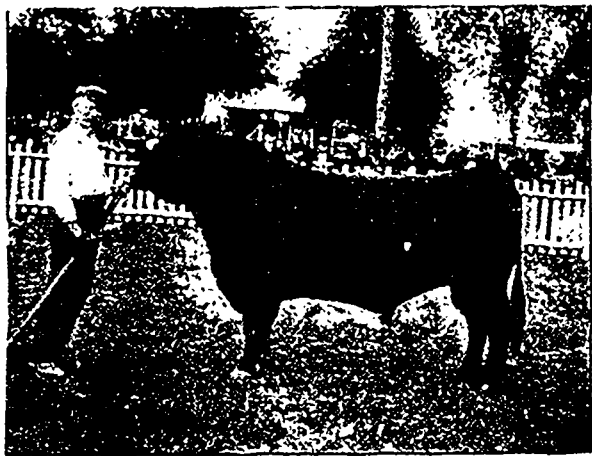
Hog cholera attacks animals of all ages, but at times older hogs seem to be able to withstand the disease better than young pigs. The cause of hog cholera is the introduction into the body, through some avenue, of the specific germ of the disease which is known as the hog cholera bacillus. These germs, like all minute forms of life, may be carried about in many ways. The time elapsing after the animals are exposed to the germs, before the disease manifests itself, varies from four or five days to three or four weeks. The symptoms are somewhat variable. In some cases it takes a very acute form, the animals living only a day or so; while at other times it may run a lingering course of three or four weeks. In some outbreaks quite a large percentage of the cases will recover; while at other times nearly every animal affected will die.

Generally the first symptom noticed is that the animal refuses his feed. There is apparent weakness of the hind legs, aching of the back and a drawing up of the abdomen; shivering is also noticeable. The animal manifests a desire to bury himself, or, if there are a number, they will huddle together. Very often red spots or blotches will appear on

At times nearly all these symptoms will be present, and again only a part of them. Frequently either few symptoms are present or they are so uncertain as to require a microscopic examination of the tissues to diagnose with certainty. The post-mortem symptoms are also somewhat variable. There are apt to be red spots on the internal organs, much like those on the skin. The spleen is often found to be two or three times its normal size.

The medicinal treatment for hog cholera has not proven satisfactory, and some authorities think it is not probable that it ever will. The Department of Agriculture at Washington, D.C., has recommended a formula which will probably be found to be as beneficial as anything. It is as follows: Sulphur, 1 lb.; wood charcoal, 1 lb.; sodium chloride, 2 lbs.; sodium bicarbonate, 2 lbs.; sodium hyposulphate, 2 lbs.; sodium sulphate, 1 lb., and antimony sulphate, 1 lb. These substances should be thoroughly mixed; the dose is a large teaspoonful to each 200 lb. hog once a day. If the animal does not eat, add the medicine to a little water, shake thoroughly, and give from a bottle by the mouth. If the animal will eat mix the medicine with sloppy food. The above formula is recommended as a preventive by giving it along with the feed to those animals that do not show the disease. Five to ten drops of carbolic acid given twice a day to each medium sized hog may also be found to be beneficial. It must be remembered that no marked curative or preventive properties are claimed for the above remedies. They are, however, probably as good as any yet found.

Aside from the medicinal treatment there are precautions that should be considered by every farmer. These are preventive measures to prevent the spread of the disease or the germs from gaining admittance to the herd. If the disease is in the locality, new hogs should not be introduced into the herd till they have been quarantined for five or six weeks. Hogs should not have access to streams or stagnant ponds; the water supply should be taken from wells. Keep the surroundings clean. The sprinkling of air-slaked lime about the pens or the use of a five per cent. solution of crude carbolic acid every few days has been found to be beneficial. A mixed diet should be fed, and the animals kept as healthy and vigorous as possible. A tablespoonful of a powder composed of sulphate of iron, one half pound, bi-carbonate of soda, one-half pound, nux vomica, one-quarter pound, and arsenic, one drachm, thoroughly mixed and given to each four or five medium sized hogs every day will help to make the hogs thrifty and vigorous.



Galloway Bull McCartney, owned by A. M. & R. Shaw, Brantford, Ont. Second at Toronto, 1898. First and Sweepstakes at London, 1898.

the skin. There is more or less fever, indicated by a rise of temperature, the normal temperature of the hog being about 102°. At times more or less coughing is present; there is a discharge from the eyes, at first watery, later becoming thicker and tending to cause the eyelids to adhere to each other. At the beginning of the disease the bowels may be normal, or they may be constipated; but as the disease advances there is apt to be an offensive diarrhoea.

## CORRESPONDENCE

### The Threshing Problem

To the Editor of FARMING:

The system in vogue in this part of the country, as well as nearly every other part of Ontario, I have for years looked upon as a most disadvantageous mode of threshing. Though many of our farmers have threshers of their own, or one in company with their neighbors, still the work is rushed through at a time when other work, such as fall plowing, etc., should be done. Speaking to one of my neighbors, who has a farm of his own, a short time ago he informed me that he had spent as much as fifty or sixty days in the autumn paying back threshing help. These, I should say, were just so many days wasted. I have always advocated winter threshing as far as possible, though where the travelling thresher has to be depended upon this cannot be done.

This year I propose trying another plan. On my farm of one hundred and thirty acres I keep one man the year round and in the winter months have very little beside the feeding for him to do, so I have purchased a three-horse tread power, and with the small size Waterloo separator I had previously I intend threshing a few hours each week with no more than my ordinary help and by the time the spring work commences I expect to have the threshing finished.

Some of the advantages I expect to gain by this mode of procedure are: First, time saved for fall plowing ordinarily consumed in paying back help for threshing; second, work for the hired man during the winter; third, exercise for the horses; and fourth, get the work done for less money, etc., etc. I have already given this plan a trial, having threshed over fifty bushels of oats in an hour and forty-two bushel of peas and other grains in proportion.

Now, Mr. Editor, I desire, like yourself, to see this problem thoroughly discussed, and if any of the readers of FARMING can give me any pointers I would most thankfully profit by them.

Yours sincerely,  
CON. GRIS.

Heidelberg, Ont.

## The Chester Whites and the Bacon Trade

Some Comments on Our Exhibition Number. Valuable Hints on Feeding and Handling Hogs.

In looking over the Fair Notes of Sept. 9th, in *The Daily Globe*, I was struck with the description of the Chester White given there. It read: "The Chester is a handsome, large, white pig, whose use is for the mess-pork of the lumber camps." Fellow Chester White breeders, are we to let such a description go unchallenged? I have no doubt but the writer innocently made the reference and thought it a tribute to the Chester, but I would willingly have let the description go had he added: "and also to tickle the appetite of the greatest English bacon critic." The Chester White has good lengthy sides, deep and even, free from wedge shape, and has an abundance of good ham and shoulder, good bone and fine head, and by careful breeding can fill the bill for bacon hogs as well as any other hog of any breed. I suppose the writer drew his inference from the appearance of the exhibition hogs; loaded down as they usually are with fat, they might cause anyone, not acquainted with the breed, to exclaim as above. But fellow-breeders, let us not have that grand breed that is making so many warm friends for itself, by its gentle disposition, early maturity and being so moderate a feeder for the amount of gain given, either willingly or unintentionally misrepresented.

I also noticed in FARMING (the grand exhibition number) the comments of Wm. Davies. He says they never in their experience met with such a large number of soft, oily, ill fed hogs as during the last three months. The reason, I believe, is that most of the farmers have gone so

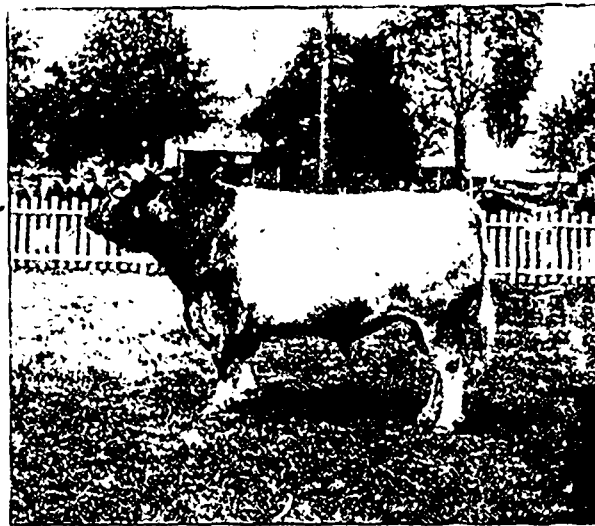


Group of prize-winning Ayrshire Cattle shown by Wm. Stewart & Son, Menie, Ont., at the Industrial Fair, 1898. The bull to the left is the 2-year-old Glencairn of Burnside. Next to him is Jean Armour by Sprightly, Imported, and Royal Chief, Imported. The one in the centre is Moss Rose, 3 year-old, out of imported stock. Next to her is Lady Ottawa, 2-year-old daughter of Jean Armour. The one to the right is Ayrshire Maggie, 1-year-old, bred from imported stock.

extensively into hogs, they have to purchase a great deal of their feed, and during this summer coarse grain, shorts and peas were not to be had, and consequently American corn was their only succor.

If we are to maintain our good name we had better only feed the number of hogs our farms can feed. We get our good name by feeding our hogs on the coarse grains of the

farm along with dairy by products. Let us not lose it by importing feed that is condemned as proper food for making choice bacon. He also speaks of the rough handling the hogs receive. I hope it will have an influence for good. The way some of them are used, it is no wonder there are damaged spots. I have seen them unloaded when there was no provision made for unloading by having an old box to reach about half way up to the wagon-box, and



The Shorthorn Bull Moneyfuffel Lad, winner of 1st and Sweepstakes for bull of any age at the Industrial Fair, 1898. Owned by Capt. T. E. Robson, Hilderton, Ont. The success of Capt Robson's herd in the prize ring is largely due to the skill of his herdsman, Henry Colthram.

then by getting in and clubbing the hogs until they would sooner run the risk of breaking their necks getting out than by staying in.

Mr. F. C. Fearman hits the nail on the head when he says: "Do not pen up your hogs." I believe that is a great cause of so much solid fat. True you can make much better gain on a closely-confined hog, but for quality I don't think it will compare with the pig that has had a good run. But you must not put all the blame on the farmer. The cry used to be: Why keep your pigs ten months or a year, when you can sell at five or six months for more money and have them at that age weigh 160 lbs, to 200 lbs. The farmer could do that; but now they would rather have a couple more months of age and the above weight. Well, that is easy. Do not pen up your hogs, and let them hunt for some of their existence.

I will close by asking a question: Will the crowding of so many hogs into a car in this extreme heat not have a tendency to make the fat oily? I have seen them in cars suffering with the heat until some of them succumbed and I have thought it would have a bad effect on the meat.

JOS. CAIRNS.

Camlachie, Ont., Sept. 12th, 1898.

## The Exhibition Number

Highly Commended. It is a "Dandy"

Mr. Eli E. Josslyn, Philadelphia, Penn., writing on September 13th, says: "I have just received and read the Exhibition number of FARMING. It is, indeed, a 'dandy,' both in appearance and make-up. Please accept my sincere thanks for this beautiful and instructive issue."

Mr. Frank T. Shutt, M.A., F.C.S., Chief Chemist Dominion Experimental Farms, writes: "Your special number just received. It is most creditable, and you have my congratulations and best wishes."

Mr. J. A. Ruddick, Superintendent Dairy School, Kingston, Ont., says: "I think you are to be congratulated on your Exhibition number. It contains a great deal of interesting and instructive matter. If you can spare them, you might send me a few copies."

## THE WESTERN FAIR.

## A FULL REPORT OF THE EXHIBITS IN THE LIVE STOCK DEPARTMENT.

London, the "Forest City" of western Canada, had an exceedingly creditable show for their twenty-fifth anniversary. The change from 1873, when this series was begun, shows a great advance in many lines. They are not in the same class with Toronto, but in some things they compare favorably with that show, which is the envy of fair managers all over the United States. The grounds are good, and not too large—have a fine sandy bottom which dries quickly after rain, and is heavy enough not to fly readily into dust when over-dried. In the grounds are many groves of beautiful pine trees. These give pleasure to the eye and shade from the sun. London is the centre of a great agricultural circle. The thousands of visitors were largely drawn from the farming population, and the number of visitors who thronged about the cattle stalls and the sheep pens was a very much more critical crowd than could be found at Toronto. They were there to see things they knew a great deal about, and were so much the more benefited. Any Canadian crowd will admire good horses, and take note of their appearance; it is the few outside of farmers' families who can do as much for the other animals shown. London was more than Toronto a farmers' show.

The next noticeable thing about the stock exhibit was the quality. The best from the contests at Toronto had come here, and only the best. A few carloads had gone to Quebec, but the great bulk of the winners at Toronto were seen at London, and the newcomers in many instances more than held their own place and defeated the Toronto winners. This was specially the case in the exhibit of Clyde horses, which was very much superior to that at Toronto.

## HEAVY HORSES.

There was a capital show of Clydes, not large, but very select. D. & O. Sorby, of Guelph, had some bred in the purple of Clydesdale aristocracy. The mare that won a good place in her class is out of Lily McGregor and sired by Prince Patrick, the two medal winners at the World's Fair in Chicago, in 1893, adjudged there the two best animals of the breed on the ground. This filly, Prince Alexandria, with her mate, Sonsie Lass, made a pair that are hard to beat. The same exhibitors had out Grandeur, winner of first, and Lord Charming, placed third, Mr. Davies' Toronto winner being placed second. In three-year-old stallions, James Henderson, Belton, Ont., got first and second, and Mr. Robert Davies got third for Border Reiver, the winning horse at the Toronto Spring Show. Mr. Henderson has a fine solid pair of colts. The first prize was given to Goldfinder 2nd, sire Goldfinder, dam by Eastfield Style. This is a big gray horse, with good body and splendid legs and feet, with well-set pasterns, heavy body and short back. His fore legs are of good flat bone, not over-much feather, and he has hardly the breadth in front of the second horse, Prosperous (10397), by Mains of Arries, dam by Crichmore Darnley. He was winner of a third in England last year

and is closely akin to Prince Eureka, the unbeaten of last year in Scotland. Prosperous is a bay, with a few scattering white hairs, and is a thick horse, well coupled, good bone, with four white feet. He promises to be big, but is not so sweet as his rival at the ground. In two-year olds the Toronto winner had to give place to a good strong colt, a big bay, with good bone and fine feather, shown by Innes & Horton, Clinton. Yearlings, the Toronto winner of R. Davies', Prince of the Glen [2300], was first, and the same exhibitor got first for foals of 1898. In brood mares D. & O. Sorby had first and third, and R. Davies second. In the fillies Messrs. Sorby had a beautiful lot, and took all the prizes, as well as the diploma for the best mare, any age.

In heavy-draught horses London was stronger than Toronto. These have all to be Canada bred. R. Alexander, Forest, was first for stallion, w. A. West, Woodstock, second. In the two-year-old class John Essery, Exeter, had a good strong colt, and got first. Thos. McMichael, Seaforth, was second with a chunky colt, neat but not big, bare of feather, but of good bone. The same exhibitor showed a Shire—a plain colt, not over-large of his age.

There was a fine show of brood mares in this class—some real good ones and with a capital lot of young things at foot. H. H. Sims, Thamesford, won first, D. I. Loutitt, of Annettsville, second, and George Dale, Clinton, third. The last one is a little broad mare very good behind. Wm. Rae, of Downie, had a pair of blacks—half bred Clydes. They won first as agricultural team and were much admired. The Dominion Draught Horse Breeders' Society gave a special prize for mares registered with them and which did not trace back on the dam's side to imported stock. The first in this class went to Innes & Horton, Clinton, and second to W. H. Kay, Fairquhar. For general purpose horses there were only team prizes, and the award was given to a fine pair of bays, weighing 2,700 pounds, and showing Cleveland bay breeding. They were shown by the Warden of Kent, Malcolm Campbell, Esq., of Ridgeway.

## LIGHT HORSES.

Thoroughbreds were few. O'Neil & Co., London, won with a chestnut of the racing type, with W. G. Thompson, Paris, second. John Dymont, Orkney, showed a few nice fillies from his breeding stud of racers. There were a fair show of ponies. First went to a neat blood-like pair owned by John Walker, London. They were sired by the Arab stallion, Tom-Tit, out of a Shetland mare—are sisters, very much alike, and make a neat little team. Second went to a span of heavier chestnuts bred from an Indian dam and by a Shetland sire, owned by John Sandick, Ingersoll. London, in years gone away into the past, had a great reputation for saddle horses and high standing carriage teams. The exhibit of saddle horses, while not large, was very good. That well-known horseman, Adam Beck, while absent himself, sent in a few of his best horses. He had first and second in the saddle class, and for hunters he sent in half-a-dozen that took the jump almost without a touch. They were creditable, but too few for the show that might be made by London. For high-steppers H. E. O'Neil had first and Wm. Collins second for two well brought out horses. In the younger classes Thos. McComb, Masonville, had a first prize.

There were a good many entries in the classes for carriage horses, and everybody was not well satisfied with the awards. All the way through there was more or less of a grumble. Some said it was not fair to bracket coach and carriage together—they were different types. John Longfield, Crampton, got first for stallion and also the diploma. This against a strong field shown of German coach, Yorkshires, and big standard-bred fellows hard to beat. The younger classes were rather thin in entries, but there was a fine lot of brood mares. W. H. Guest, Ballymote, was first in this class with a fine high stand-

ing, roomy mare. The winning carriage team were bright bays—fine fat fellows—just a trifle overdone in feeding. It gave them a lazy, slouchy look, but the night one especially was a fine type, though heavy. R. Farrell, Woodstock, was the owner of this team. The carriage teams when all out made a fine display. The parade feature is not as yet much adopted in London. The English shows are bringing this to the front, and parade all the stock prize winners and others. Roadsters had a big turn out in several classes. There is no class for standard-bred, they had all to take their chances with the roadsters. O. A. Coates, Bothwell, had the winning stallion; C. P. Geary, St. Thomas, second, and Jas. McCartney, Thamesford, third. Pair of roadsters fell to J. C. Deitrich, Galt, the well-known breeder, for his pair by Axland; J. W. Norton, second, and A. A. Leslie, Aylmer, third. For the best single roadster, G. A. Routledge, Lambeth, had the winner. There was a lot of fine brood mares and foals shown. H. McClurg, Falkirk, won with a bay by Wild Boy, thoroughbred, and out of a trotting bred mare. She is blood-like, with fine clean legs. Second went to O. A. Coates, Bothwell, a dark brown standard-bred, somewhat different in type, but a sweet mare of good size. Geo. F. Routledge had a remarkably "bonnie wee thing" by Alpha Bell, which was unplaced, while a big, coarse-jointed, lumbering garted fellow got a place much to the surprise of horsemen. Hackneys were few, but for quality one has only to name Jubilee Chief as one of them to know that there was one good one. The old Chicago winner is still in fine form. D. & O. Sorby had a splendid brood mare, and a fine two-year-old colt—a great mover. The races, trotting and running, had many entries, and were well contested. The public seem yet to enjoy a good agricultural horse trot.

## CATTLE.

Cattle were the pick of Toronto in most of the classes—a few local animals were out that were not at Toronto, but they did not manage to capture much of the money. Shorthorns had Capt. T. E. Robson, Iderton, who was near home, and Messrs. Watt, of Salem, who again ran him closely for many of the prizes. Watt's herd is the sweetest and most uniform in females, but his bull is behind the form of Moneyfuffel Lad. There were few changes in the awards. In Galloways, John Sibbald had gone from Toronto to Quebec, leaving Messrs. McCrae, of Guelph; Shaw, of Brantford and Lloyd-Jones, of Burford, to compete. Shaw had first for his old bull, McCartney; Lloyd-Jones first for yearling bull, and all the rest of the firsts went to McCrae, of Guelph. The Galloways were out in good form and an exhibit of tanned robes was much admired. They were soft and good for winter robes, superior to the old buffalo skins. Polled Angus had Walter Hall, Washington, and W. Stewart & Son, Lucasville, the former having the best of the cattle, while Hiram Jones, White Oak, and W. H. Fisher, Benmiller, showed a bull each. Mr. Hall won in the fat class against all comers, and the black haired men were so delighted, it was said, that they got elated on grapes. Anyway, they made a great talk over their victory which was well deserved by Mr. Hall. Herefords were same as at Toronto, H. D. Smith, of Compton, leading, with F. W. Stone estate second; but in calves the order was reversed. Here came also H. O'Neil, of Southgate, who won two third prizes, beating H. D. Smith's bull calf. In Guernseys, W. Butler & Sons, Dereham Centre, had it all their own way. Holsteins had two competitors who divided up the awards, C. W. Clemons, St. George, and A. & G. Rice, Currie's Crossing. There were not many changes in this class. The Jerseys were out in force and a good deal of attention given to the judging. The cattle in all the classes were shown on a fine green under spreading white pine trees which made a pleasant shade. Great interest was taken in all the cattle classes, but more especially the Jerseys. There were a good many changed awards in this class. Mr. Davies, of Toronto, won with his cow, a beautiful creature, light red dappled

with short black-gray horns and nice short dish face, open prominent eye and great milk veins and udder—a sweet cow imported from the island of Jersey by Mr. Davies himself. R. B. Smith, Arkona, had still first for his aged bull, as at Toronto, but the other awards were different. In two-year-olds D. G. Hamner & Sons were first and got the diploma as best bull, any age, and W. E. H. Massey's bull only got third. This latter punched his herdman's ribs rather rudely, perhaps to resent the set back he received. W. G. Laidlaw had first for yearling bull. Mr. Massey had the herd prize as at Toronto. Ayrshires were not so numerous as at Toronto, and here again there were changes which may again be fought over at Ottawa. This time Robt. Davies beat R. Reford for aged bull, reversing Toronto decision, but R. Reford got the diploma for his two-year-old. W. Stewart & Sons got first for cow and also diploma. There was a fine show of cows and it was a close contest. Altogether R. Reford got the lion's share of the prizes. There were a few new exhibitors who came forward. Elgin Marsh & Co., Gladstone, had first for young heifer calf, and Kaines Bros., Byron, on young bull calf. The cattle barn is a large one and comfortable, but the accommodation for herdsmen is not first class. The show of cattle was very creditable to Western Ontario.

#### SHEEP AND PIGS.

The swine exhibit was much smaller than at Toronto. The Tamworths still held the lead, and some fine specimens were shown. The Berkshires and the Improved Yorkshires are the next most popular breeds, and many good breeders allege there is no room for any but these three breeds, as far as modern pork-growing is concerned. There were specimens of Chester Whites, and some very good ones; Poland Chinas, Duroc Jerseys, Suffolks and Essex—all fine specimens of the breeds, but too much inclined to put on fat quickly and freely to suit the fastidious taste of the modern packer. In the sheep classes the longwools have gone forward these few years past, while the Shrops had not so many exhibitors as have been seen in past years. The longwools in this show certainly had the best of it. Cotswolds took the lead. George Allen, Oriel, had first for his aged ram, John Park & Son protesting and refusing their second award. W. J. Watson had some very good lambs, imported from England. In ewes and ewe lambs A. J. Watson took the lead with five specimens of the breed. He also won for best fat ewe, any breed. Leicester breeders saw a close contest between the Toronto winner, A. W. Smith, Maple Lodge, and John Kelly, Shakespeare. The latter did not show at the Industrial because of some former differences with the directors, and brought here some good sheep. He had the best of it in lambs, but not in older sheep. Smith won for flock pen and for yearlings, and Kelly for pen of lambs.

Lincolns were much as in Toronto, with the same exhibitors. The same may be said of Shrops—John Campbell, Woodville, and D. J. Hamner & Son, of Mt. Vernon—the former rather more firsts, but the latter winning for pair of lambs and for all the special pens. There were three flocks of Oxford Downs—R. J. Hine, Dutton; J. H. Jull, Mt. Vernon; and Smith Evans, Gourock. Here the awards did not seem to go at all like Toronto. They were quite re-mixed. For pen of yearlings, R. J. Hine; for pen lambs, J. H. Jull; for the open class of ram lambs Smith Evans won. In Dorsets R. H. Harding had nearly all the prizes, with W. E. Wright, Glanworth, about third place, he having five thirds and one second prize. Southdowns had some beautiful sheep, John Jackson & Son winning first, with W. & G. Telfer, Paris, with two seconds and four thirds. The sheep exhibit was a rare good one, with, in several classes, a few newly imported animals.

As has been said the show was well attended, and it was a pretty sight to see the grand stands and annexes packed while the special attractions and parades were in progress. London show is a good one and a credit to

the directors, but it hardly comes up to the Central Canada at Ottawa, where the directors have shown rare dash and pluck, and by judicial advertising in the agricultural press, and by an effort to get special cheap rates for all sections about, have really excelled in a remarkable degree. The machinery in the two are much alike. The main building at Ottawa shows more enterprise by the city merchants. The two shows are in the same class, and London has this year come well up to their eastern rival.

The exhibit of roots and vegetables at London was specially fine and grains were good.

### THE INDUSTRIAL FAIR.

(Continued from last week.)

#### SHEEP.

The sheep pens were not so well filled as we have seen them in previous years. The improved demand for good sheep was the reason why this was the case, many breeders, such as Robert Miller, Brougham, having completely sold out their show stock, and others had sold very close, and had only retained their best sheep wherewith to make a circuit of the shows. It thus goes without saying that the average of those shown was of a very high order. In fact, in some of the breeds, we believe that it has never been surpassed at this exhibition.

#### LINCOLNS.

An American breeder, R. S. West, Perry, Ohio, had entered in this class, but his sheep were not present, so the fight for honors, as in former years, lay between Gibson & Walker, Denfield, and William Oliver, Avonbank. Both exhibitors had a full exhibit of excellent sheep. The Denfield sheep were, with one single exception (the first prize ram lamb), all homebred, and made a very good showing in the prize-ring, as the list of awards shows. Their ram lamb, which carried off the red ticket, is from the famous flock of Henry Dudding, and should make a good sire. Wm. Oliver once again won with his aged ram, and a companion of his won 2nd in the same section. His ram lamb, which came in 2nd, was imported from John Pears' flock, and, as he was a prize-winner before he left the Old Country shores, it is needless to state that he is a good one. The ewe lambs which won premier honors for Mr. Oliver were also from the Pears flock, and were out of the first prize pen at the Royal this year.

#### Awards.

Ram, two shears and over—1 and 2, Wm. Oliver, Avonbank; 3, Gibson & Walker, Denfield.

Shearling ram—1 and 2, Gibson & Walker; 3, Wm. Oliver.

Ram lamb—1 and 3, Gibson & Walker; 2 and 4, Wm. Oliver.

Two ewes, two shears and over—1 and 3, Gibson & Walker; 2, Wm. Oliver.

Two shearling ewes—1 and 2, Gibson & Walker; 3, Wm. Oliver.

Two ewe lambs—1 and 3, Wm. Oliver; 2 and 4, Gibson & Walker.

Pen of Lincolns, 1 ram, 4 ewes and 2 ewe lambs—1, Gibson & Walker; 2, Wm. Oliver.

Pen of Lincolns (Canadian), not shown in other pens, 1 ram, 4 ewes and 2 ewe lambs, bred and owned by exhibitor—1, Wm. Oliver; 2, Gibson & Walker.

Judges: T. H. Shore, Glanworth, and Henry Allin, Bowmanville.

#### COTSWOLDS.

There were five exhibitors of Cotswolds, the estate of the late J. G. Snell; John Park & Sons, Burgessville; A. J. Watson, Castleberg; C. T. Garbutt, Claremont; and Goodfellow Bros., Macville. The Snell estate was very strong indeed with a grand lot of sheep, all imported ones except two, and secured more prizes than any other single exhibitor. Their shearling ram which was placed 2nd comes from the Garne flock, and was a 3rd

prize winner at the Royal. All three prizes for ram lambs went to this firm, all three being Royal winners and bred by Swanwick. The shearling ewes shown by the estate were 1st prize winners at the Royal, and occupied the same proud position here. The prize offered by the American Cotswold Record Association for pen of one ram any age, one ewe two years old, one ewe one year and under two, and one ewe lamb, went to this flock.

John Park & Sons, Burgessville, had twenty-five head of good typical sheep on the grounds. The 1st prize aged ram is a very well-covered, blocky sheep, and, though only Canadian-bred, could not be denied 1st place. His shearling ram, who stands well on his feet, was also an easy winner. In aged ewes this firm won 2nd and 3rd with two pairs of home-bred sheep. First for Canadian-bred pen also went to these exhibitors, and 1st for pen of four lambs bred by exhibitor. Messrs. Park's sheep were a nicely-covered lot with good heads.

C. T. Garbutt's exhibit had very good conformation, but were scarcely fitted up in show trim. His aged ram was good enough to win 2nd place, and his shearling ewes and ewe lambs also won the blue ribbon, while he came in 2nd for Canadian-bred pen and 2nd for open pen, besides winning other minor prizes.

A. J. Watson came to the front in aged ewes, winning 1st in that section and 4th for ewe lambs. His sheep were very nicely fitted, and this exhibitor deserves credit for the way they were brought out. Goodfellow Bros. had a small exhibit of field sheep.

#### Awards.

Ram, two shears and over—1, John Park & Sons, Burgessville; 2, C. T. Garbutt, Claremont; 3, J. G. Snell estate, Snelgrove.

Shearling ram—1, J. Park & Sons; 2, J. G. Snell estate; 3, C. T. Garbutt.

Ram lamb—1, 2, and 3, J. G. Snell estate 4, C. T. Garbutt.

Two ewes, two shears and over—1, A. J. Watson, Castleberg; 2 and 3, J. Park & Sons.

Two shearling ewes—1, Snell estate; 2, C. T. Garbutt; 3, J. Park & Sons.

Two ewe lambs—1, Snell estate; 2 and 3, C. T. Garbutt; 4, A. J. Watson.

Pen of Cotswolds—1, Snell estate; 2, C. T. Garbutt.

Pen of Cotswolds, Canadian-bred—1, J. Park & Sons; 2, C. T. Garbutt.

American Cotswold Record's prize for best flock of Cotswolds—Snell estate.

American Cotswold Record's prize for best pen of four lambs—1, J. Park & Sons

Judges: T. H. Shore, Glanworth; T. Teasdale, Concord.

#### LEICESTERS.

The show of Leicesters, while considerably smaller than usual, was well up in point of quality. Several breeders who usually exhibit were absent this year, so that the pens were not crowded. A. W. Smith, Maple Lodge, was the biggest exhibitor, and he also secured the larger amount of the principal prizes. First and 3rd for aged rams fell to this exhibitor, as they did last year. Two capital shearlings represented the flock. They won 1st and 3rd. The first prize one has a good frame and nice fleece, the other is a well-covered sheep with a particularly good leg of mutton. The aged ewes which won 1st for Mr. Smith are a grand pair, of immense scate and good constitution. One of them has had nine lambs in three years, three each year, and yet has won 1st each year as well; the other has had twins every year. This disproves the statement so often made that showing sheep or other animals ruins them for breeding purposes, and it is also a splendid record for the flock. All the females of this flock are of the same uniform character and style, being good, blocky sheep, and standing well on their legs.

J. M. Gardhouse put up a good fight, and came out by no means badly. His aged ram, Young Beller, bred from imported stock, is a fine sheep, very wide in the back, and carry-



ing his width well out behind. His 2nd prize shearling ram had a capital fleece. He showed two pairs of shearling ewes by Colonel, and got 3rd on one pair, but we preferred the pair that were unplaced, one of which had an especially good back and head. His 1st prize ewe lambs were very good, having capital backs. He won 2nd for the open pen.

Whitelaw Bros., Guelph, were the only other exhibitors, and their sheep were mostly young, but they were quite strong in them. All three prizes in the section for ram lambs went to them for three very nice lambs, while their aged ewes and ewe lambs, which won 2nd, were worthy of mention. This firm won 2nd for the Canadian-bred pen prize.

#### Awards.

Ram, two shears and over—1 and 3, A. W. Smith, Maple Lodge; 2, J. M. Gardhouse, Highfield.

Shearling ram—1 and 3, A. W. Smith; 2, J. M. Gardhouse.

Ram lamb—1, 2, and 3, Whitelaw Bros., Guelph; 4, A. W. Smith.

Two ewes, two shears and over—1 and 3, A. W. Smith; 2, Whitelaw Bros.

Two shearling ewes—1 and 2, A. W. Smith; 3, J. M. Gardhouse.

Two ewe lambs—1, J. M. Gardhouse; 2 and 4, Whitelaw Bros.; 3, A. W. Smith.

Pen of Leicesters—1, A. W. Smith; 2, J. M. Gardhouse.

Pen of Leicesters, Canadian bred—1, A. W. Smith; 2, Whitelaw Bros.

Judges: R. Eastwood, Mimico; W. G. Laidlaw, Wilton Grove.

#### OXFORD DOWNS.

As in the Leicester class, so here, there were only three exhibitors. Peter Arkell, Teeswater, was not out this year. The contest lay between Smith Evans, Gourcock; R. J. Hine, Dutton, and J. H. Jull, Mt. Vernon. There seemed a keen demand for sheep of this breed, and every yearling and lamb that could be bought in the show were sold long before the exhibition closed.

Smith Evans' aged ram was 2nd, a good sheep and nicely covered. In shearling and ram lambs he was only awarded 3rd place. The ram lamb was the first pick out of the 1st prize pen at the Royal, and was here beaten by Mr. Jull's lamb, which was only highly commended there. Mr. Evans came in 2nd for aged ewes, shearling ewes and ewe lambs. The latter were 2nd prize Royal winners, and were personally selected by James Main when over this year. First for Canadian pen fell to the Gourcock flock.

R. J. Hine had a strong exhibit of imported and homebred sheep. His aged ram, Linden's Czar, which was placed 1st, is a Canadian-bred one and tips the scale at 400 lbs., while his shearling ram, imported from the Hobbs flock, carried 2nd. This ram has a splendid fleece, being covered to his toes. He is by Jumbo, which Hobbs bought from Treadwell for 100 guineas. He had a sweet lamb, one out of the 1st prize pen at the Royal, which failed to secure any recognition at the hands of the judges. A very nice pair of imported shearling ewes won 1st. They were bought from J. T. Hobbs. A capital pair of ewe lambs, out of the 1st prize pen at the Royal, got no higher than 3rd. They were bred by Wm. Arkell. Second for the open pen went to Mr. Hine.

J. H. Jull secured 1st on shearling rams with a homebred one. He won 1st and 2nd with the ram lambs which were highly commended at the Royal. They were well fitted and showed up better than their competitors. A big pair of aged ewes came in 1st in their section. Mr. Jull's ewe lambs, which were in the 3rd prize pen at the Royal, beat their opponents here. They are a tidy, neat pair, and were shown in good shape. This flock won the red ticket in the open pen prize.

#### Awards.

Ram, two shears and over—1, R. J. Hine, Dutton; 2, Smith Evans, Gourcock.

Shearling ram—1, J. H. Jull, Mt. Vernon; 2, R. J. Hine; 3, S. Evans.

Ram lamb—1 and 2, J. H. Jull; 3, S. Evans.

Two ewes, two shears and over—1, J. H. Jull; 2 and 3, S. Evans.

Two shearling ewes—1, R. J. Hine; 2, S. Evans; 3, J. H. Jull.

Two ewe lambs—1, J. H. Jull; 2, S. Evans; 3, R. J. Hine.

Pen of Oxford Downs, 1 ram, 4 ewes, and 2 ewe lambs—1, J. H. Jull; 2, R. J. Hine.

Pen of Oxford Downs, Canadian bred, 1 ram, 4 ewes, and 2 ewe lambs—1, S. Evans.

Judges—H. Arkell, Teeswater; and R. E. Birdsall, Birdsall's.

#### SHROPSHIRE.

In spite of a reduction in point of numbers we do not think that the character of the Shropshire exhibit has ever been higher than at this year's Industrial, and competent judges declared that it was superior to even the carefully selected animals sent to the World's Fair. As mentioned above R. Miller had a fine importation of sheep brought over for exhibition, but, receiving a tempting offer for them, he sold them all before the commencement of the show.

John Campbell was out unusually strong. His aged ram, The Comet, which won 1st, is above the average size but is, nevertheless, of exceptional quality and type. He was 2nd in the Old Country as a yearling, and has been unbeaten in this country, while at New York he also defeated everything. Mr. Campbell's 3rd prize aged ram, which was also a 2nd prize winner in England, is by Montford Dreamer, a sire of Royal Champion. Two home-bred shearlings from the Woodville flock were 1st and 2nd here. The first prize one is the ram against which a protest was entered last year on the ground of his being imported. Besides winning in his section; he headed the winning Canadian-bred flock and the flock that won American Shropshire Association's prize for ram and three ewes. In ram lambs a son of Newton Lord that promises to develop into something good came 1st, and 4th prize was sent to a lamb dropped last November, whose mother suckled a prize lamb last year, a rather unusual thing for a Shropshire dam to do. The Dorset Horn men will have to look to their laurels if the Shropshires adopt this fertile trait of theirs. Mr. Campbell's aged ewes were 1st and 2nd at the leading shows last year in the aged and shearling sections. A pair of shearlings, the pick of five, that won at the Shropshire show last year captured 1st, while a nice pair of ewe lambs were 2nd in their section. All the 1st prizes for pens went to the Woodville flock. Several of the 1st prize winners were by Newton Lord.

D. G. Hanmer & Sons, Mt. Vernon, had fifty-two head, all Canadian bred except one lamb. They were an exceedingly good, uniform lot, and nicely covered; in fact, we do not think that this firm has ever had a better lot out at the shows. A very even aged ram, which sired the 1st prize ewe lamb and 1st prize pen of lambs at the Brantford Fat Stock Show last December, won 2nd in his class, and was afterwards sold for a most satisfactory figure. Another aged ram, which was unplaced, was the sire of the 2nd prize pen of ewe lambs at Brantford. Messrs. Hanmer's shearling ram, a very compact, low-set, square animal, won 3rd. They were strong in ram lambs, winning 2nd and 3rd, the former for an imported ram of Green's stock, a trifle thin in condition, but very good, the 3rd for a lamb of larger frame. These exhibitors' aged and shearling ewes were capital handlers and large, and were well up in the prize list. First and 3rd for ewe lambs went to two pairs of nice sheep. One of the 1st prize pair had an exceptionally good frame, the other had the most typical head. Second for the open and Canadian-bred pens went to this herd. They had entered for the special prize for pen of four lambs, but did not get their tags from Mr. Levering in time to show their best lambs. R. Gibson, Delaware, W. E. Wright, Glanworth, and T. Lloyd-Jones & Sons, Brantford, all had a few sheep present of nice type, but did not get into the prize list.

#### Awards.

Ram, two shears and over—1 and 3, John Campbell, Woodville; 2, D. G. Hanmer & Sons, Mt. Vernon.

Shearling ram—1 and 2, J. Campbell; 3, D. G. Hanmer & Sons.

Ram lamb—1 and 4, J. Campbell; 2 and 3, D. G. Hanmer & Sons.

Two ewes, two shears and over—1 and 2, J. Campbell; 3, D. G. Hanmer & Sons.

Two shearling ewes—1, J. Campbell; 2 and 3, D. G. Hanmer & Sons.

Two ewe lambs—1, 3, and 4, D. G. Hanmer & Sons; 2, J. Campbell.

Pen of Shropshires—1, J. Campbell; 2, D. G. Hanmer & Sons.

Pen of Shropshires, Canadian-bred—1, J. Campbell; 2, D. G. Hanmer & Sons.

American Shropshire Registry Association's prize for best flock of registered Shropshires—J. Campbell.

American Shropshire Registry Association's prize for best flock of registered Shropshire lambs—J. Campbell.

Judges: W. G. Pettit; W. H. Everett, Mt. Vernon.

#### SOUTH DOWNS.

John Jackson & Sons, Abingdon, had a very choice lot of Southdowns forward, and, although he generally gets the lion's share of the prize money, yet this year he did even better than usual. First and second for aged rams went to these exhibitors. The 1st prize one is a homebred sheep, and is certainly one of the best in Canada. They also won all three prizes for shearling rams; the first prize one was imported and is a grand animal, one of the best we have ever seen, and his breeder, Mr. Coleman, considers him as second to only one in Great Britain. A pair of choice imported ewe lambs, which were awarded the red ribbon, are from the well-known Adeane flock.

W. & G. Telfer had sold out very closely before the show, but managed to win a fair slice of the prize money. Their aged and shearling ewes were especially good, and their ewe lambs only succumbed to Messrs. Jackson's imported ones. Their aged ewes are the same pair that won 1st last year here and at London.

Robt. Shaw & Son were not as strong as usual, but got 2nd on aged ram, 3rd on a ram lamb and 3rd and 4th on ewe lambs.

#### Awards.

Ram, two shears and over—1 and 2, John Jackson & Son, Abingdon; 3, Robert Shaw & Son, Glanford Station.

Shearling ram—1, 2 and 3, J. Jackson & Son.

Ram lamb—1 and 2, J. Jackson & Son; 3, R. Shaw & Son; 4, W. & G. Telfer, Paris.

Two ewes, two shears and over—1 and 3, J. Jackson & Son; 2, W. & G. Telfer.

Two shearling ewes—1 and 3, W. & G. Telfer; 2, J. Jackson & Son.

Two ewe lambs—1, J. Jackson & Son; 2, W. & G. Telfer; 3 and 4, R. Shaw & Son.

Pen of Southdowns—1, J. Jackson & Son; 2, R. Shaw & Son.

Pen of Southdowns, Canadian-bred—1, J. Jackson & Son; 2, W. & G. Telfer.

Judges: Robt. Miller, Pickering; John Hunter, Wyoming.

#### DORSET HORNS.

This breed was very well represented this year, and nearly all the sheep entered were of a high standard, they being as nice a lot as have ever been shown here.

John A. McGillivray had a fine lot, which were exceedingly well brought out, and reflect great credit on his manager, F. Silversides. All but two were home-bred. The aged ram which won 1st here last year was unnoticed, but his companion, a decidedly inferior sheep, won 3rd. The 1st prize yearling ram had a beautiful skin. Three home-bred ram lambs won all the prizes in that section, and three choice aged ewes did the same feat, as did three shearling ewes. The ewe lambs were not well mated, or they might have done better. Both the pen prizes went to this flock.

R. H. Harding had a good aged ram, which was placed no higher than 3rd. A very straight, compact sheep won 3rd in the shearing ram class, while an imported one from Hugh McCalmont's flock, with a good body and bone, but rather thin, was 2nd. In ewe lambs Mr. Harding did well, being at the top of the prize list with March and April lambs, one a particularly good one. He had several good sheep present, which, however, failed to get a place.

Jas. Bowman won 1st on aged rams, and also showed some nice ewe lambs. W. E. Wright had a nice shearing only just over the year, not having lost its lamb's mouth even yet, and a couple of ewes which were unplaced.

*Awards.*

Ram, two shears and over—1, James Bowman, Guelph; 2, R. H. Harding, Thorndale; 3, J. A. McGillivray, Uxbridge.

Shearing ram—1, J. A. McGillivray; 2 and 3, R. H. Harding.

Ram lamb—1, 2 and 3, J. A. McGillivray. Two ewes, two shears and over—1, 2 and 3, J. A. McGillivray.

Two shearing ewes—1, 2 and 3, J. A. McGillivray.

Two ewe lambs—1, R. H. Harding; 2 and 3, J. A. McGillivray.

Pen of Dorsets—1 and 2, J. A. McGillivray.

Pen of Dorsets, Canadian-bred—1, J. A. McGillivray; 2, R. H. Harding.

Judges: Robert Miller, Pickering; John Hunter, Wyoming.

**MERINOS.**

The number of exhibitors of Merinos does not seem to increase. As in former years R. Shaw & Son, Glanford Station, and W. M. & J. C. Smith were the sole competitors. The former took the larger share of the leading prizes.

*Awards.*

Ram, two shears and over—1 and 3, R. Shaw & Son, Glanford Station; 2, W. M. & J. C. Smith, Fairfield Plains.

Shearing ram—1 and 2, W. M. & J. C. Smith; 3, R. Shaw & Son.

Ram lamb—1 and 2, R. Shaw & Son; 3, W. M. & J. C. Smith.

Two ewes, two shears and over—1 and 3, R. Shaw & Son; 2, W. M. & J. C. Smith.

Two shearing ewes—1, R. Shaw & Son; 2 and 3, W. M. & J. C. Smith.

Two ewe lambs—1 and 3, R. Shaw & Son; 2, W. M. & J. C. Smith.

Pen of Merinos—1, R. Shaw & Son; 2, W. M. & J. C. Smith.

Judge: Robert Bailey, Union.

**FAT SHEEP.**

Although six exhibitors had made entries, there were not many sheep present. There were no fat wethers, two shears and over of the long-woolled breed, and only one pair under two years. Gibson & Walker won with Lincolns. W. H. Beattie won 1st and 2nd for wethers of the short-woolled breed, two shears and over, with a pair of grade Shropshires and a Shropshire and Southdown respectively. In the section for short-wools under two years W. & G. Telfer won 1st with a pair of Southdowns, and John Campbell 2nd with a Shropshire-Cotswold cross.

*Awards.*

Two fat wethers, under two years, long-woolled breed—1, Gibson & Walker.

Two fat wethers, two shears and over, short-woolled breed—1 and 2, W. H. Beattie, Wilton Grove.

Two fat wethers, under two years, short-woolled breed—1, W. & G. Telfer; 2, J. Campbell.

Judges: W. H. Pugsley, Richmond Hill; Thos. Russell, Exeter.

**SWINE.**

The swine exhibit was very good indeed, some of the classes contained fewer entries than in the year previous, but any deficiency in numbers there was much more than made

up by the enormous entry of Tamworths, which totalled 209, and a number of temporary pens had to be erected for the accommodation of a great many head. Owing to the cheese-paring policy of the directors in cutting down the catalogue, no information could be gleaned from that source as to the extent of any breeders' exhibit, a very unsatisfactory state of affairs, which must be remedied another year. The exhibitors, too, were curious to know why the long-promised new pens, which are so badly needed for the accommodation of their stock, and for which, we understand, the City Council made an appropriation of \$2,000 this year, were not put up. The four new buildings erected last year appear to be very satisfactory, and those who managed to get their pigs in them had a great advantage over their less fortunate brethren as regards the showing off of their stock to visitors. We hope Manager Hill will give this matter his personal attention, now that he has such a good surplus in hand. Owing to the extreme heat during the first week of the show a number of exhibitors lost pigs, and it is estimated that at least \$1,000 worth of stock were taken out dead.

**BERKSHIRES.**

Berkshires, as in previous years, occupied the two buildings next the horse stables. The first exhibitor we came across was the J. G. Snell estate, which showed the pigs which had been fitted up by the late J. G. Snell, whose sad death was a matter of great regret. In aged boars Hiawatha, bred by that famous breeder, N. H. Gentry, Sedalia, Missouri, and a full brother of Baron Lee 4th, from a younger litter, carried 3rd. He is a capital pig of great length Starlight, a very smooth, long and deep pig, with a great back, was placed 2nd in the yearling boar class. He is a wonderfully good boar, and was a strong favorite for 1st honors among the crowd. We understand that he was afterwards purchased by Mr. Gentry at the satisfactory price of \$200 to go to the herd of Riley, Sons & Co., Thornton, Indiana. First for aged sows went to Snell's Highclere 9th, a beautifully smooth, deep sow, large, and standing well on her feet. It will be remembered that she occupied the same position last year, and has proved herself a great breeder. Mr. Gentry purchased her before the close of the show. A daughter of Baron Lee 4th, Snell's Charmer 2nd, a grand one, was second for yearling sows. Princess Highclere, a promising sow, won 1st in the section under the year. She is by Victor 12th, out of Snell's Highclere 9th. The herd prize was awarded to the Snell estate.

Geo. Green, Fairview, had a very strong and representative exhibit. In aged boars he was invincible, carrying off both 1st and 2nd prizes. First went to King Highclere, a great pig, deep and long, who was also 1st in 1897 in the aged section. Crown Prince was a good 2nd. Lord Liverpool won the red ticket in the yearling class, a lengthy, good pig. Mr. Green's entries in the sections for boars under 12 and under 6 months won 3rd. He did not show aged sows, but secured 1st for yearlings with Model Lady, a splendid sow who distinguished herself by winning 1st in her class at the great circuit of shows last fall, winding up by winning at the Provincial Fat Stock Show 1st in her class and forming one of the sweepstakes pen at the same show. Second and 3rd for sows under the year went to the Fairview herd for a couple of strong, good sows, long and deep. Two good youngsters under 6 months were 1st and 2nd. Mr. Green was very successful in the sections for boar and 4 of his get and sow and 4 of her produce, winning 1st in both, and his herd stood 2nd. He had the misfortune to lose a very good yearling sow, which was a prize-winner at the fall and winter shows last year, but, notwithstanding this, had the good record of six firsts, four second and three third prizes.

T. A. Cox, Brantford, was strong in young stock. He had the 3rd prize yearling boar, which won 2nd last year in the younger section. Two good boars, under 12 months old, were 1st and 2nd, and a couple under six months occupied similar positions. The first

was a smooth, even pig, of Teasdale breeding, the other a pig of good length. A lengthy, deep, aged sow, standing up well, also bred by Teasdale, carried 2nd in her class, while a yearling sow was 3rd in strong competition.

Wm. McAllister, Varna, had mostly young stock, but his stock was good enough to win him second for boar and four of his get, and also 3rd for a deep, aged sow. The boar he showed was named First Prize, of Baron Lee 4th stock, and is of good length and depth.

Thos. Teasdale had disposed of his show stock before the exhibition, and had only a few handsome young things left for sale, which he did not bring out into the ring. R. G. Martin, Marysville; A. Wright, Binbrook; P. W. Boynton & Son, Dollar, and Wm. Rud-dock, Mimico, had each a few head entered, but did not get into the short cut.

*Awards.*

Boar, over two years—1 and 2, Geo. Green, Fairview; 3, J. G. Snell estate, Snelgrove.

Boar, over one and under two years—1, G. Green; 2, J. G. Snell estate; 3, T. A. Cox, Brantford.

Boar, over six and under twelve months—1 and 2, T. A. Cox; 3, G. Green.

Boar, under six months—1 and 2, T. A. Cox; 3rd, G. Green.

Sow, over two years—1, J. G. Snell estate; 2, T. A. Cox; 3, Wm. McAllister, Varna.

Sow, over one and under two years—1, G. Green; 2, J. G. Snell estate; 3, T. A. Cox.

Sow, over six and under twelve months—1, J. G. Snell estate; 2 and 3, G. Green.

Sow, under six months—1 and 2, G. Green; 3, T. A. Cox.

Best Berkshire boar and two sows, of any age—1, J. G. Snell estate; 2, G. Green.

Boar and four of his get, under six months old—1, G. Green; 2, Wm. McAllister.

Sow and four of her produce, under six months old—1, G. Green.

Judges: W. Jones, Mount Elgin; Jas. McArthur, Lobo.

**YORKSHIRES.**

The Yorkshire class was well up to the average in quality. J. E. Brethour, Busford, had twenty-seven head in the pens, including a small selection from his late importation. His aged boar was only in breeding condition and won 3rd. He is a good one, long, and with lots of quality. Three homebred boars under twelve months old carried off all three prizes in a strong class. The 1st prize one, Oak Lodge Clarence 4th, is a splendid pig, good and smooth, and weighed 470 pounds at ten months old. This pig headed the first prize herd. Two smooth, straight pigs of good Yorkshire type were 2nd and 3rd respectively for boars under six months. In aged sows this exhibitor won both the red and blue ribbon. The 2nd prize one was bred by Philo Mills, and was imported this summer by Mr. Brethour. Oak Lodge Gloria and Oak Lodge Victoria, two grand sows, successfully carried off the two chief prizes in the yearling class. Probably the strongest female class was that for sows under the year. Here Oak Lodge Buttercup 7th came in 1st. One of the best females Mr. Brethour showed was probably the 1st prize winner under six months, a beautiful little sow, which could scarcely be beaten as a model for Yorkshire type. First for herd, for boar and four of his get, and for sow and four of her produce went to this herd.

It may be mentioned here that one result of Mr. Brethour's visit to the Old Country this year has been to convince him that, in order to keep their pigs up to the standard required for the bacon trade with Great Britain, breeders of Yorkshires must breed pigs with lighter heads, lighter shoulders, and longer noses.

R. G. Martin, Marysville, had a grand aged boar, which secured 1st honors, beating the sweepstakes boar of two years old. He has wonderful depth, and, in spite of his great weight, 950 pounds, is a good, even pig and one of the best on the grounds. His first prize yearling boar is a very smooth, firm pig of nice length and depth, and should be heard of again. Mr. Martin's aged sow, a very smooth, deep pig of good character, won 3rd

place. His yearling sows had good quality, but were not in the prize list. In younger females also he scored 2nd on a sow under twelve months, and on one under six months, two very even pigs, as were his other young sows. In the herd competition Mr. Martin won 2nd.

Jos. Featherston's aged boar, Haskett, a firm, lengthy, deep pig, and sire of the other two winning aged boars, made a good 2nd prize winner. He is of Mr. Featherston's own breeding. A very nice yearling boar won 2nd, and a boar under six months 1st, in their sections. A sow under twelve months old was 3rd. This herd came 2nd for both boar and four of his get, and for sow and four of her produce.

R. F. Duck, Port Credit, had a few head present and won 3rd for yearling boar, and 3rd for a sow under six months, the latter a smooth little sow. John Hord & Son, Parkhill, and C. Nurse, Humber Bay, also exhibited a few head.

#### Awards.

Boar, over 2 years—1, R. G. Martin, Marysville; 2, Jos. Featherston; 3, J. E. Brethour, Burford.

Boar, over 1 and under 2 years—1, R. G. Martin; 2, J. Featherston; 3, R. F. Duck, Port Credit.

Boar, over 6 and under 12 months—1, 2, and 3, J. E. Brethour.

Boar, under 6 months—1, J. Featherston; 2 and 3, J. E. Brethour.

Sow, over 2 years—1 and 2, J. E. Brethour; 3, R. G. Martin.

Sow, over 1 and under 2 years—1 and 2, J. E. Brethour; 3, J. Featherston.

Sow, over 6 and under 12 months—1, J. E. Brethour; 2, R. G. Martin; 3, J. Featherston.

Sow, under 6 months—1, J. E. Brethour; 2, R. G. Martin; 3, R. F. Duck.

Best boar and two sows—1, J. E. Brethour; 2, R. G. Martin.

Boar and four of his get, under 6 months old—1, J. E. Brethour; 2, J. Featherston.

Sow and four of her produce, under 6 months—1, J. E. Brethour; 2, J. Featherston.

Judges: G. B. Hood, Guelph; J. M. Hurley, Belleville.

#### TAMWORTHS.

There was a magnificent show of Tamworths. Last year, it will be remembered, they more than doubled their numbers over the previous year, and they pretty well maintained this rate of increase this time, the entries totalling 209, as against 105 in 1897. This is a great record, and one of which the Tamworth breeders may well be proud. A number of new exhibitors were out for the first time.

J. C. Nichol, Hubrey, came out a trifle the strongest in the prize list. His aged boar, Amber Luther, now four years old, is a regular giant in size, his weight being 1,000 lbs., and he has good depth and length. He won the red ticket. In boars under six months an even youngster of great length was 3rd. A very fine aged sow, very smooth, deep, and of nice quality, was 1st in her section, and farrowed shortly after being judged. Another aged sow had remarkably good hams. A beautifully headed, deep sow, perhaps a trifle short, was the winner of 2nd honors in the section under one year. First for herd, for boar and four of his get, and for sow and four of her produce went to this herd.

A. C. Hallman's aged boar, Nimrod, was unplaced, but Mr. Hallman had the satisfaction of knowing that several of the prize-winners were sired by his boar, among them being the pen that won 2nd for get of boar and the ones that were 2nd for produce of sow. A yearling boar lately imported, and which had only just turned the year, was out-classed, and only won 3rd. This boar was 2nd at the Royal in the open class against all ages, and his breeder preferred him to another entry of his which won 1st. He has a grand middle and good bone, but his age was against him. A good bodied boar under the

year, by the old boar, stood 2nd in his section, and another son of Nimrod was 2nd in the younger class. This pig was out of the same owner's 3rd prize aged sow, a pig of good depth. The 1st prize yearling sow had great quality and a typical head and body. A sow under the year was placed 3rd in her class, but it seemed to us that she was surpassed by some of her companions in the same pen.

Norman M. Blain was successful in winning 1st with a fine yearling boar, and 1st on a handsome, deep, even sow under the year, the latter competing with a ring of 17. He had a lot of nice young things, some of which were hardly fitted enough, but showed good quality.

John Bell, Amber, had the misfortune to lose a grand aged sow owing to the heat. The pigs he showed were very characteristic of the breed, and not a few thought that his 2nd prize aged boar should have been 1st. At any rate he was a very strong candidate for that place, and a second entry of his was 3rd. Among his herd were an imported yearling sow and an imported boar under twelve months, which should give a good account of themselves next year.

R. & J. A. Laurie, Wolverton, had a lengthy aged sow and a number of younger things, and won 2nd on a good yearling boar, Sandy 3rd, of Elliott's breeding. J. B. Twiss, Woodlawn, was 1st for boars under six months, and 2nd with a deep, aged sow. A. Wright, Binbrook, had the 3rd prize yearling sow, which was suckling a litter. W. S. Hawkshaw & Sons won 3rd on sows under six months. She was a full sister to Nichol's 1st prize aged sow. John Hord & Son lost their aged boar in coming to the exhibition. They showed the imported aged sow, Middleton Numulas, but failed to get in with her. They won 2nd with a yearling sow. T. F. Holland had the 1st prize winning boar under the year. A. Elliott, Galt, showed a neat imported boar not yet a year old. A number of other breeders showed stock, but with the exception of H. George & Sons, who won 3rd on boars under a year, none got into the prize list.

#### Awards.

Boar, over two years—1, John C. Nichol, Hubrey; 2 and 3, John Bell, Amber.

Boar, over one and under two years—1, Norman M. Blain, St. George; 2, R. J. & A. Laurie, Wolverton; 3, A. C. Hallman, New Dundee.

Boar, over six and under twelve months—1, T. F. Holland, Dereham Centre; 2, A. C. Hallman; 3, H. George & Sons.

Boar, under six months—1, J. B. Twiss, Woodlawn; 2, A. C. Hallman; 3, J. C. Nichol.

Sow, over two years—1, J. C. Nichol; 2, J. B. Twiss; 3, A. C. Hallman.

Sow, over one and under two years—1, A. C. Hallman; 2, John Hood & Son, Parkhill; 3, A. Wright, Binbrook.

Sow, over six and under twelve months—1, N. M. Blain; 2, J. C. Nichol; 3, A. C. Hallman.

Sow, under six months—1 and 2, J. C. Nichol; 3, W. S. Hawkshaw & Sons, Glanworth.

Best boar and two sows, of any age—1, J. C. Nichol; 2, A. C. Hallman.

Boar and four of his get, under six months old—1, J. C. Nichol; 2, A. C. Hallman.

Sow and four of her produce, under six months old—1, J. C. Nichol; 2, A. C. Hallman.

Judges: G. B. Hood, Guelph; J. M. Hurley, Belleville.

#### POLAND CHINAS.

W. & H. Jones, Mt. Elgin; W. M. & J. C. Smith, Fairfield Plains; and Henry Park, Norwich, were the three who showed Poland Chinas. The first-named exhibitors were very strong with a choice lot of pigs, and won the lion's share of the prizes, including every red ticket but one. Their pigs were of very nice quality, and they have also good length, that great requisite nowadays in bacon hogs. In fact, Messrs. Jones are devoting their attention to the development of the Poland

China in this direction, and the result is seen in the fact that their 1st prize sow under the year was the longest pig of the age on the grounds. Among their exhibit were the 1st prize aged boar, Conrad's Model, bred by S. F. Conrad, Lansing, Mich., a sweepstakes winner at the Michigan State Fair, a pig of great length; the grand aged breeding sow, Bryant's Choice (imp.), and Countess 6th (imp.); the eighteen-months-old imported sow, Black Bess, a right good one, and others not much inferior.

W. M. & J. C. Smith were unfortunate in losing a boar under the year that would certainly have won 2nd in his class. They won 2nd on aged boars, 3rd on their imported yearling boar of Conrad's breeding, and 1st and 2nd on younger boars, good straight pigs, besides other prizes.

Henry Park had eight head, all imported from Haynes, Ohio, and won two 2nd prizes for boars.

#### Awards.

Boar, over 2 years—1 and 3, W. & H. Jones, Mount Elgin; 2, W. M. & J. C. Smith, Fairfield Plains.

Boar, over 1 and under 2 years—1, W. & H. Jones; 2, Hy. Park, Norwich; 3, W. M. & J. C. Smith.

Boar, over 6 and under 12 months—1 and 3, W. & H. Jones; 2, H. Park.

Boar, under 6 months—1 and 2, W. M. & J. C. Smith; 3, W. & H. Jones.

Sow, over 2 years—1 and 2, W. & H. Jones; 3, W. M. & J. C. Smith.

Sow, over 1 and under 2 years—1, W. & H. Jones; 2 and 3, W. M. & J. C. Smith.

Sow, over 6 and under 12 months—1, 2 and 3, W. & H. Jones.

Sow, under 6 months—1 and 3, W. & H. Jones; 2, W. M. & J. C. Smith.

Best boar and 2 sows, of any age—1, W. & H. Jones; 2, W. M. & J. C. Smith.

Boar and 4 of his get, under 6 months old—1, W. & H. Jones; 2, W. M. & J. C. Smith.

Judges: G. B. Hood, Guelph; J. M. Hurley, Belleville.

#### CHESTER WHITES.

W. Butler & Son, Dereham Centre, were out with the strongest herd of Chester Whites ever shown by one exhibitor. The result was seen in the fact that they won everything offered except two 3rd prizes, W. E. Wright winning 3rd for boars under a year, and T. F. Holland 3rd for boars under six months.

The Chester White breeders are fully alive to the wants of the bacon curers, and are working hard to get pigs of the required length and quality. It is almost needless to specify any of Messrs. Butler's herd, so even were they, but their aged sow, yearling sow, yearling boar, boar under a year, and sow under six months, all of which won 1st, were especially good, showing good quality, length and finish. The yearling boar was the sweepstakes winner at Columbus, Ohio, last year, and stands on short legs. He is said to be the best Chester White boar in the country.

#### Awards.

Boar, over 2 years—1 and 2, W. Butler and Son.

Boar, over one and under two years—1, 2 and 3—W. Butler & Son.

Boar, over six and under twelve months—1 and 2, W. Butler & Son; 3, W. E. Wright.

Boar, under six months—1 and 2, W. Butler & Son; 3, T. F. Holland.

Sow, over two years—1, 2 and 3, W. Butler & Son.

Sow, over one and under two years—1, 2 and 3, W. Butler & Son.

Sow, over six and under twelve months—1, 2 and 3, W. Butler & Son.

Sow, under six months—1, 2 and 3, W. Butler & Son.

Best boar and two sows, of any age—1 and 2, W. Butler & Son.

Boar and four of his get, under six months old, bred and owned by exhibitor—1 and 2, W. Butler & Son.

Sow and four of her produce, under six months old, bred and owned by exhibitor—1 and 2—W. Butler & Son.

Judges: W. H. Jones, Mt. Elgin; James McArthur, Lobo.

#### DUROC-JERSEYS.

There was a great improvement noticeable among the Duroc-Jersey swine this year, the quality being better, while a longer and deeper pig is the order of the day here also. In fact, had Mr. Fearman passed along the pens, he would probably have found reason to modify his remarks anent this breed published in the issue of FARMING for Sept. 6th, as we saw some capital young things in the pens, one young sow under the year especially attracting our attention on account of her fine bacon type. W. Butler & Sons and Tape Bros. had the two strongest herds, all the prizes being divided up between these two exhibitors, except two 3rd prizes for young sows which went to Messrs. Smith, Fairfield Plains. John Park & Sons, Burgessville, had a good young boar entered, but he died before the judging came on.

#### Awards.

Boar, over 2 years—1, Tape Bros.; 2, W. Butler & Son.  
 Boar, over 1 and under 2 years—1 and 2, W. Butler & Son.  
 Boar, over 6 and under 12 months—1, Tape Bros.; 2 and 3, W. Butler & Son.  
 Boar, under 6 months—1, W. Butler & Son; 2 and 3, Tape Bros.  
 Sow, over 2 years—1, W. Butler & Son; 2 and 3, Tape Bros.  
 Sow, over 1 and under 2 years—1, Tape Bros.; 2, W. Butler & Son; 3, Tape Bros.  
 Sow, over 6 and under 12 months—1, W. Butler & Son; 2, Tape Bros.; 3, W. M. & J. C. Smith.  
 Sow, under 6 months—1, Tape Bros.; 2, W. Butler & Son; 3, W. M. & J. C. Smith.  
 Best boar and two sows, of any age—1, W. Butler & Son; 2, Tape Bros.  
 Boar and four of his get, under 6 months old, bred and owned by exhibitor—Tape Bros.  
 Sow and four of her produce, under 6 months old, bred and owned by exhibitor—W. Butler & Son.  
 Judges: W. H. Jones, Mt. Elgin; Jas. McArthur, Lobo.

#### ESSEX AND SUFFOLKS.

Jos. Featherston, John Hord & Son, and T. A. McClure were the only exhibitors in this class. The former showed both Suffolks and Essex. The principal prizes were won by his Suffolks whenever any competed with Essex. John Hord & Son won several prizes with Suffolks, and T. A. McClure won 3rd for boar under a year with an Essex.

#### Awards.

Boar, over 2 years—1 and 3, Joseph Featherston; 2, John Hord & Son, Parkhill.  
 Boar, over 1 and under 2 years—1 and 2, J. Featherston.  
 Boar, over 6 and under 12 months—1 and 2, J. Featherston; 3, T. A. McClure, Meadowvale.  
 Boar, under 6 months—1 and 2, J. Featherston; 3, J. Hord & Son.  
 Sow, over 2 years—1 and 2, J. Featherston; 3, J. Hord & Son.  
 Sow, over 1 and under 2 years—1 and 3, J. Featherston; 2, J. Hord & Son.  
 Sow, over 6 and under 12 months—1 and 2, J. Featherston; 3, J. Hord & Son.  
 Sow, under 6 months—1 and 2, J. Featherston.  
 Boar and 4 of his get, under 6 months old—1, J. Featherston.  
 Sow and 4 of her produce, under 6 months old—1, J. Featherston.  
 Judges: G. B. Hood, Guelph; J. M. Hurley, Belleville.

#### THE POULTRY EXHIBIT.

Reported by Dr. A. W. Bell, Toronto.

Not only in point of numbers, but also in quality, was the poultry department of Toronto Fair easily ahead of any other show ever held in Canada, and we doubt if, outside of

the Boston and New York winter shows, a finer collection of poultry was ever gotten together, the doops not being nearly sufficient to accommodate the fowls, and nearly one hundred pigeons belonging to the Homing fancy had to be sent home, not having the proper accommodation for them. This should be remedied before another season, as the number of birds for the past three years has outgrown the capacity of the building.

Another feature many advocate is the shortening of the time the birds are on exhibition, eight or nine days being too long to keep fowls cooped up, especially the young birds, in these small pens, many being permanently injured. It is different with horses, cattle, sheep and pigs, as they can be exercised or are accustomed to being penned up. Dogs are only required there four days, and why not fowls? I have been told by a large exhibitor of pigeons that it generally took his birds three days to fully recover the use of their wings after their week's confinement. Many fanciers lost a large number of birds through the extreme heat which prevailed during most of the exhibition.

One thing noticeable was the increased exhibits from farmers, and, from the way their coops were decorated with red and blue tickets, the tillers of the soil are awakening to the fact that they can also raise fancy poultry. And why not? They have every opportunity for doing so at a much less expense than the town fancier. Not only this, but they can raise a much larger number and thus have a much better selection; and may their number never grow less.

As to the exhibits, in the Asiatic or heavy classes the Light Brahmas, Buff Cochins, and Langshans had the largest number of entries, the Buffs exceeding. In Light Brahmas the winning old birds were in first-class feather, having been thoroughly moulted out; whilst the chicks were almost full grown, the first cockerel weighing nearly ten pounds. In Buff Cochins the judge could have changed some of the decisions and given the proper birds their due.

In the American class the Barred and Buff Rocks and White Wyandottes had the most entries, the first named being the largest class in the show, there being twenty-nine cockerels and twenty-three pullets, the young birds being well matured, and should be in good size for the winter show at Toronto next January. The Buff Plymouth Rocks have improved considerably within the past two years, judging by the quality of birds shown at Toronto, but yet, there is room for improvement, the females not yet showing that evenness of color so much desired in all solid colored birds. The White Wyandottes were a large class, 1st hen being one of the largest hens I have seen in this variety. These birds make an ideal farmers' fowl and should be raised more than they are, as they grow rapidly and are very blocky and good market birds.

In the Mediterranean class the Black Minorcas, Buff and White Leghorns were the largest, being closely pressed by the Black Leghorns. These all contained some good birds, and to win in any of them the birds had to be in first-class shape, as competition was very keen in each of these.

Hamburgs, Polands and Games were moderately filled, the last named containing ten birds lately imported especially for this show, and it looks as if some more will be imported for "The Ontario" for next winter, as "Grandpa Main" will not be downed by any younger members of the fancy, and especially by "Billy" Barber, the Irishman from Cork.

Bantams, canaries, pigeons, guinea pigs and rabbits, with incubators, etc., made up the balance of an entry in one of the most attractive departments of the largest exhibition ever given in Canada, and one which it will be hard to excel in years to come.

The annual meeting of the directors of the Poultry Association of Ontario was held Sept. 8th in the Board-room of Industrial Exhibition, the president, Dr. Bell, of Toronto, in the chair, the following directors being present: F. R. Webber, Guelph; Jas. Brown, Durham; Allan Bogue and Wm. McNeil, London; Chas. Bonnick, Toronto; T. J.

Senior, Hamilton; Thos. Scott, St. Thomas; D. C. Trew, Lindsay; and W. J. Bell, Angus.

Before taking up the business of the Association, a deputation waited upon Mr. James, Deputy Minister of Agriculture, asking that through the American Poultry Association, holding its next annual meeting in Toronto, the Ontario Government be requested to increase for this year their grant to the Association. The deputation were assured that all possible would be done to give them their grant, provided the Government could see its way clear towards that end. After tendering a vote of thanks to Mr. James, the directors took up business of revising list, etc., to which no changes were made.

The judges engaged for next show are J. K. Felch, President American Poultry Association, Natick, Mass.; J. H. Drevenstidt, Johnstown, N.Y.; F. B. Zimmer, Gloversville, N.Y.; S. Butterfield, London; L. G. Jarvis, Guelph; J. H. Snelk, Woodstock, on poultry; J. B. Johnson, Toronto, pigeons and pet stock. It is fully expected to make this the largest winter show ever given in Canada, as many of the largest American exhibitors have already promised to send birds to this show, and the poultry industry of Canada will receive such a boom as it has never before experienced.

#### THE HONEY EXHIBIT.

A visit to honey buildings convinced one that this has been a good year for honey. The display was one of the largest of recent years, and the quality was exceptionally good. All the usual exhibitors were on hand, among whom may be mentioned the Gould, Shapley & Muir Co., of Brantford.

#### FRUIT.

One of the most interesting and instructive exhibits on the grounds was to be found in the fruit building. The fruit exhibit proper was as large as last year. As a rule the fruit was not so large in size, due largely to the dry weather prevalent in the fruit-growing sections this season. The display of plums and grapes was very much better than last year. The display of the luscious grape was indeed a sight to behold. The apples, though good in quality, were smaller in size than usual. One of the special features in the fruit building was an exhibit of various kinds of fruit showing the effects of spraying. This exhibit was in charge of Mr. W. M. Orr, Fruitland, Ont., and consisted of fruit gathered from twenty-four points in Ontario where spraying experiments had been carried on. The various exhibits of sprayed and unsprayed fruit proved most conclusively the good effects which spraying has upon the quality of the fruit. There was shown sprayed and unsprayed fruit taken from the same orchard and from trees not more than thirty feet apart, and while the fruit that had been sprayed was perfect in quality in nearly every case, the unsprayed fruit was spotted, wormy, and defective throughout. Spraying seems to have the same effect on all kinds of fruit, including apples, pears, plums, etc., and should be practised by everyone who has an orchard. The unsprayed fruit matures earlier, and consequently does not attain to that delicious and perfect flavor which is characteristic of fruit when allowed its proper time for maturing. Mr. Orr had on exhibition specimens of the codling moth, the green fruit worm, and other injurious orchard pests. The green fruit worm is a comparatively new arrival. It eats along the side of the fruit, making it unsightly in appearance. Though strong and vigorous, this worm can be destroyed when young by a good application of paris green. Several interesting exhibits were made by the Ontario Experimental Fruit Stations. The fruit in these exhibits was put up in glass jars, and some excellent specimens were shown.

FARMING from now till the end of 1898 for 25c., including our Exhibition number.

## THE EASTERN TOWNSHIPS FAIR.

The annual exhibition of the Eastern Townships Agricultural Association took place at Sherbrooke, Que., from Sept. 5th to 10th, and, from reliable reports received, it was an immense success. In many respects it was the best ever held by the Association, and the management deserve considerable credit for the skill displayed in holding so successful a fair. The exhibits in all classes were more numerous than ever before, and the attendance very satisfactory.

The live stock classes were well filled. Some of the horses shown were of excellent quality, and would give a good account of themselves at more pretentious shows. The cattle entries were very numerous, there being far too many animals for the accommodation provided, extra stalls having to be put up. The swine and sheep departments were well filled, and the quality of the exhibits equal to that to be found at many larger fairs. The live stock display throughout was a very creditable one indeed, and visitors to the fair were not disappointed in the quality of the animals shown, or in the number on exhibition.

Among the exhibitors of live stock we notice the names of many who are familiar to the readers of FARMING. Those who figured prominently in the prize list, and who carried off a large number of the best awards, were R. Ness & Son, and Wm. Wylie, Howick, Que.; Isaleigh Grange Stock Farm, Danville, Que.; E. P. Ball, W. A. Reburn & Co., H. J. Elliott, and the Hillhurst Stock Farm, Compton, Que.

## LEGISLATION THAT MISCARRIED.

HOW THE COST OF BINDER TWINE HAS BEEN DOUBLED TO THE FARMER IN THE LAST YEAR OR TWO.

From *London Free Press*, Sept. 12th.

All day yesterday the space around the exhibit of the Consumers' Cordage Company (limited), of Montreal, in the Agricultural Building, was thronged with interested farmers and visitors. This firm have departed from the conventional lines followed by exhibiting manufactures, and not only show their finished product but give a comprehensive and practical insight into the various operations followed in transforming the raw material into the marketable article. The central feature of the exhibit is a binder twine manufacturing machine, which is kept busy day and night turning out bales of the company's celebrated binder twine. The firm manufactures all descriptions of string, twine, and rope, but have made binder twine a specialty in their exhibit this year.

## PECULIAR LEGISLATION.

This company have been unfortunate, in common with other cordage concerns, in meeting with the reverse of encouragement from the legislators of the day. On the alleged plea that a reduction of duty would materially cheapen binder twine to the farmer, the Dominion Government permitted the surplus stock of foreign manufacturers to come into this country free of duty. A binder twine plant was also placed in the penitentiary at Kingston, and hundreds of convicts there were put to work competing with honest labor in the further effort to lessen the cost of the

farmers' twine. The Ontario Government seconded the effort by placing another such plant in the Central Prison.

## THE RESULT.

What was the result? The past season the Canadian market has been flooded with this convict twine, as well as the foreign article; hundreds of honest Canadian workmen were left without employment, all the factories being obliged to either close down or run on short time, and the cost of binder twine has been doubled. The reverse of the result hoped for was achieved. Indeed, no legislation in this country in recent years has been a more lamentable failure.

Not only has the cost of binder twine doubled, but that supplied was of such an inferior grade that the farmers insisted on the Consumers' Cordage Company resuming its manufacture. For some months past they have been operating their plant at a loss in the hope the country's rulers would in the near future make an effort to remedy their unfortunate blunder. The Consumers' Company make an article that is vastly superior to the foreign and convict twine, nothing but the finest raw material being used and the demand for it this year has been enormous.

[ADV.]

## THE ROMAINE AUTOMATIC AGRICULTURAL MACHINE.

Last week, in company with Mr. Wm. Ewing and Mr. R. J. Latimer, of Montreal, I had the pleasure of inspecting the latest development of the Romaine Automatic Agricultural Machine in operation on a field in the rear of Mr. Trenholm's farm at Long Point, Montreal. The machine at present weighs about 6,000 pounds, and is driven and operated by gasoline engines. It is arranged to work the land in four foot widths, and, while it will work any depth required in ordinary lands, it was being run but five inches deep. Anyone acquainted with the Long Point clay (which might be fairly described as equal to hard pan) will readily understand that five inches was a good deal there. The action of the machine can scarcely be called plowing, in the ordinary sense, as it is rotary. Nevertheless, as the knives travel around at the rate of about 100 turns per minute, they really act like a lot of small plows working in a circle. They are not forced down into the ground, but get their depth and hold it by a draft similar to that of the plowshare. The present machine has two of these revolving discs, with four plough knives on each, and, as the discs are two feet in diameter, a four-foot land is worked. The machine moves steadily along at the rate of ten inches to each revolution of the knives, and, there being four knives on each disc, each one takes about two and a-half inches' cut ahead. Travelling around in their circle, the knives again traverse or cut through the soil which has been loosened, and the result is a most complete pulverization of the soil, which is rarely attained, even in favorable soils, except by the spade. There is no doubt in the world as to the quality of work done by the machine, and as it can be done at a remarkably low price, it looks as if the problem of the cheap cultivation of large tracts of land has been solved. The advantage of such a machine in backsetting new lands can scarcely be estimated. The present machine can handle about five acres a day, but another is to be built with a capacity of fifteen acres daily. Mr. A. A. Barnhart, to whom the evolution of this machine from a crude idea to the present stage is due, has shown wonderful perseverance and high mechanical ability, and is deserving of the highest praise. I understand Mr. Alliston McKay, of Chatham, contemplates having his land prepared by Mr. Barnhart, and no doubt there is lots of land awaiting the coming of this promising labor-saver.

BASIC.

We know of no better investment than FARMING for 25c. till January, '99.

## Publishers' Desk.

**De Laval Cream Separator.**—That there is a vast difference in cream separators has been effectually demonstrated from the splendid exhibit of the Canadian Dairy Supply Co., Montreal, as seen at the Industrial Exhibition here this week. The DE LAVAL has a number of improvements over others both in relative size and construction. Those who understand the principle of separator construction, and are not blind to their own interests, but are willing to give credit where is due, must at once recognize that the DE LAVAL does all that any other machine does—and considerably more—costing less in proportion to actual capacity. It embodies in its workmanship fully double the values in material and finish found in any other machine. It is sold subject to the guarantee of its superiority in every material respect over any other machine made. It is made solely from the standpoint of superior excellence, with fifteen years of experience and the best of every conceivable facility. It is safe to say that thousands of people visited the exhibit and went away satisfied and contented with what they seen. Little need be said here only to congratulate the manager, Mr. Clunnie, on the success of his exhibit at Toronto.

**Hay Presses.**—Attention is directed to the advertisement of Messrs. Boyd & Co. which appears in this issue. This is an old firm and known from one end of Canada to the other. Their specialty is the Dederick perpetual baling press, which has been on the market since 1890 and has had an immense sale. It has many advantages over others, chiefly that it is extremely light, though strongly and heavily built. It can be drawn easily by two horses from place to place, and it is claimed is a half ton lighter than the wooden sweep press. Orders have been pouring in so rapidly of late that the firm's capacity is taxed to the utmost and the men kept working day and night. Messrs. Boyd & Co. also manufacture a patent tread mill for 2 horses which is having a big sale. Their steel land roller is in much demand as well. They are general agents for the famous Waterous Engines of Brantford, and those who desire anything in this line would do well to keep this in mind. The firm are also agents for the Good Roads Machinery Co. of Hamilton. Messrs. Boyd & Co. have recently opened a branch of their business in Winnipeg, Man., this has been found necessary on account of the increasing demand for their presses in the Northwest.

**The Leader Wind Mill.**—Special attention is directed to the advertisement of the Leader Wind Mill, which appears in another column. Although but a short time on the market it has given splendid satisfaction and is highly endorsed by those who have purchased them. It is self-lubricating and warranted to outwear any other mill manufactured if the boxes are filled three times a year. It moves on two bearings, which fact alone is a great advantage over others. The "Leader" has certainly won popularity and is now being placed in a great many of the counties in the Dominion. At the Fair in London large numbers of farmers and stockmen expressed a high opinion of it, and a number of sales were made on the grounds.

**Death of David Maxwell.**—The death of David Maxwell, of St. Marys, Ont., removes one of the most prominent figures from the agricultural implement industry of the west. The great business of which the deceased was virtually the head was established in 1857 in the town of Paris, but for the past ten years has been located in St. Marys, where Mr. Maxwell died. The remains were conveyed by rail to Paris and interred in the Presbyterian cemetery there. Mr. Maxwell was an adherent of the Presbyterian Church and took an active interest in church matters of all kinds. In politics he was a staunch Liberal of the old school. He was universally respected and through his integrity and honest methods of business the phenomenal

success of his firm is chiefly due. We are informed that the business will be carried on as formerly under the well-known name of David Maxwell & Sons. The deceased was married twice, his second wife survives him, also the three sons, viz.: Messrs. James, John and David who are all well known to the majority of our readers. We take this opportunity to extend our sincere sympathy to the bereaved family.

**BOOKS AND BULLETINS RECEIVED**

Thirteenth Annual Report State Board of Agriculture for Rhode Island, containing a complete summary of the work of this Board for 1897, including the work of the Agricultural College and Experimental Station.

American Hereford Record, Volume XVIII. Published by the American Hereford Cattle Breeders' Association. C. R. Thomas, secretary, Columbia, Mo. It contains entries from 75,001 to 80,010.

American Aberdeen-Angus Herd-Book, Volume VIII., containing entries from 24,501 to 28,000, compiled by the secretary, Mr Thos. McFarlane, Harvey, Illinois.

Report of the Dominion Experimental Farms for 1897, comprising a detailed report of the work carried on in the various departments, including the Branch farms. This report should be in the hands of every farmer in the country. Copies may be had by applying to Dr. Saunders, Central Experimental Farm, Ottawa, Ont.

**CORRECTION.**

In our report of the Grade Cattle at the Industrial Fair an error inadvertently crept in, when 1st prize for 2-year-old heifers was stated to have gone to J. Fried & Sons' roan heifer. The 1st prize roan was owned by Jas. Leask and was the female who won the sweepstakes in this class. Messrs. Fried's heifer was a white one and won 2nd prize.

**The Canada Business College**

HAMILTON

For nearly 40 years this College has been a leader in Commercial and Shorthand training, and is very much of a leader to day.

Send for handsome illustrated prospectus to

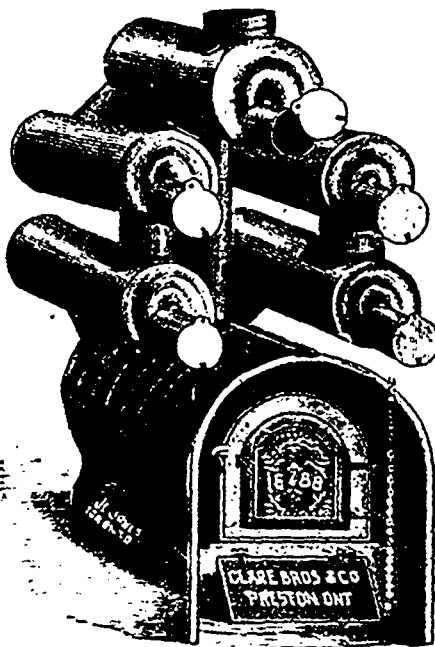
R. E. Gallaher, Principal.

UNDER instructions from the Minister of Agriculture, the

**TWENTIETH ANNUAL SALE OF PURE-BRED STOCK**

including Poultry, the property of the Ontario Government, will be held at the Ontario Agricultural College, Guelph, on **Wednesday, 19th October, 1898**, commencing at one o'clock, sharp. For further information, apply to **WM. RENNIE**, Farm Superintendent.

JAMES MILLS, President



The Hillborn Wood-Burning Furnace. Our Catalogue explains.

WE MAKE A  
**Specialty of Heating**

And have placed many thousands of our "Hillborn" Wood Furnaces in country homes. Farmers use only rough and unsaleable wood, and in this way soon save cost of a furnace, to say nothing of the comfort.

We can also give you furnaces suitable for coal or coal and wood, or if you want to heat with hot water we refer you to the

**PRESTON HOT WATER BOILER AND STEEL RADIATOR**

We guarantee every furnace to work satisfactorily. Would you like to see a list of the homes that we are heating?

We prepare free estimates, send catalogues and all information upon application, and invite correspondence.



**CLARE BROS. & CO.**

PRESTON, ONT.

Branch at WINNIPEG, MAN.

**A Souvenir Free**

**To Farmer's Wife or Daughter**



We prize the many kind things that have been said of Souvenir Ranges by the wives and daughters of Canadian farmers. These stoves are largely in use in the rural sections all over Canada—and there, as elsewhere, have given unqualified satisfaction.

**Souvenir's Place in the Farm Home.**

This stove has a distinctive position on the farm. There it is put to verest tests, for in the farm home good cooking is, probably, more general than anywhere else. Those who own these stoves are able to tell of the special advantages possessed in the aerated oven—an exclusive feature of Souvenirs. They know its worth as a fuel-saver and the ease with which it is managed.

We purpose giving a Souvenir Range, complete, value \$40, for the best general description of Souvenirs with aerated oven, written by a farmer's wife or daughter—open to none others.

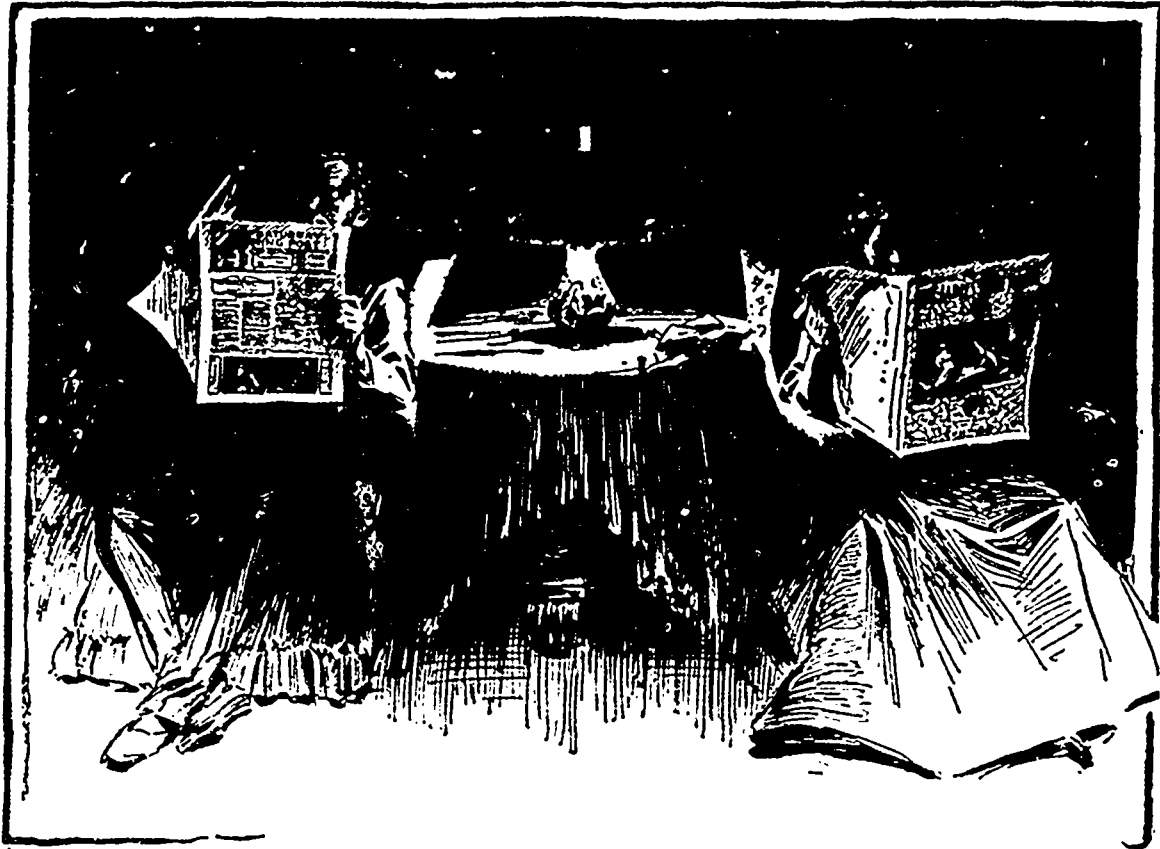
We will also give \$15 in cash prizes for the first four best descriptive essays on the Souvenirs and their work. These prizes are open to all classes.

We would like YOU to be one who would write in this essay contest. If, perchance, you do not own a Souvenir, your neighbor is almost sure to have one. In any case, write us for booklet, telling specially the story of Souvenir Stoves, and call on the local agent in your nearest town and have him give—as he will gladly do—a description of the special points of this wonderfully successful stove. Circulars giving all particulars of contest free.

**\$155 IN PRIZES**

for those who can best tell the story of the famous SOUVENIR STOVE with unrivalled aerated oven

**The Gurney-Tilden Co., Limited,**  
HAMILTON, CANADA.



## IN THE OCTOBER LADIES' HOME JOURNAL

Mrs. Caroline Atwater Mason, author of "A Minister of the World," begins a new story called "THE MINISTER OF CARTHAGE," depicting a young clergyman's high sense of duty battling with love and something akin to ambition.

### Josiah Allen's Wife

Has written another story for the JOURNAL readers. She tells in it about a sickly society girl, and what brought her to her senses and good health.

### In Mary E. Wilkins'

Capital new story a metropolitan woman does some very funny things, and in trying to elevate the villagers she learns a thing or two.

## IN THE SATURDAY EVENING POST

are to be found the best serial and short stories the world can produce. The handsomest illustrated weekly published.

We will mail THE LADIES' HOME JOURNAL, beginning with the next issue (October number), to January 1, 1899, also THE SATURDAY EVENING POST, every week, from the time subscription is received to January 1, 1899, for Twenty-five Cents, for the purpose of introducing our weekly with our well-known monthly.

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# The Ontario Agricultural Gazette

The Official Bulletin of the Dominion Cattle, Sheep, and Swine Breeders' Associations, and of the Farmers' Institute System of the Province of Ontario.

## THE DOMINION CATTLE, SHEEP, AND SWINE BREEDERS' ASSOCIATIONS.

Annual Membership Fees:—Cattle Breeders' \$1; Sheep Breeders' \$1; Swine Breeders' \$2.

### BENEFITS OF MEMBERSHIP.

Each member receives a free copy of each publication issued by the Association to which he belongs, during the year in which he is a member. In the case of the Swine Breeders' Association this includes a copy of the Swine Record.

A member of the Swine Breeders' Association is allowed to register pigs at 50c. per head; non-members are charged \$1.00 per head.

A member of the Sheep Breeders' Association is allowed to register sheep at 50c. per head, while non-members are charged \$1.00.

The name and address of each member, and the stock he has for sale, are published once a month. Over 30,000 copies of this directory are mailed monthly. Copies are sent to each Agricultural College and each Experiment Station in Canada and the United States, also to prominent breeders and probable buyers resident in Canada, the United States and elsewhere.

A member of an Association will only be allowed to advertise stock corresponding to the Association to which he belongs; that is, to advertise cattle he must be a member of the Dominion Cattle Breeders' Association, to advertise sheep he must be a member of the Dominion Sheep Breeders' Association, and to advertise swine he must be a member of the Dominion Swine Breeders' Association.

The list of cattle, sheep, and swine for sale will be published in the third issue of each month. Members having stock for sale, in order that they may be included in the Gazette, are required to notify the undersigned by letter on or before the 9th of each month, of the number, breed, age, and sex of the animals. Should a member fail to do this his name will not appear in that issue. The data will be published in the most condensed form.

F. W. Hodson, Secretary.  
Parliament Buildings Toronto, Ont.

### TO STOCKMEN.

A car of purebred live stock for Manitoba and the West will leave Ontario the last week in September. Persons having stock they wish delivered to western customers are respectfully requested to communicate at their earliest convenience with F. W. Hodson, Parliament Buildings, Toronto, Ont.

### OTTAWA FAIR.

F. W. Hodson, Superintendent of Farmers' Institutes, will attend the Central Ontario Exhibition September 22nd and 23rd, making his headquarters at the Windsor Hotel, Ottawa, where he may be seen from 7 a.m. to 12 noon; and from 2 p.m. to 4 p.m. he may be found at the Secretary's office on the fair grounds.

### PUBLIC MEETINGS AT THE ONTARIO PROVINCIAL FAT STOCK AND DAIRY SHOW.

A joint public meeting will be held in the Opera House, Brantford, on November 30th, at 7.30 p.m. The chair will be occupied by the Hon. A. S. Hardy, Premier of Ontario. Other notable speakers will be present.

The annual meeting of the American Oxford-Down Record Association will convene in the G. T. R. Reading Room, Brantford, on Wednesday, November 30th, at 2 p.m. The programme is as follows:

1. Addresses and reports of officers.
2. Reports of Committees.
3. Informal talks on business brought before the meeting.
4. Election of officers.

Secretary, W. A. Shafor, Middleton, Ohio.

The annual meeting of the American Leicester Breeders' Association will convene in the G. T. R. Reading Room, Brantford, on Thursday, December 1st, at 7.30 p.m. Programme:

1. Reading minutes of previous meeting.
2. Address and report of officers.
3. Reports of Committees.
4. Unfinished business.
5. New business.
6. Election of officers.
7. Addresses, Discussions, etc.
8. Adjournment.

All members and breeders of Leicesters are urged to attend, and all others are cordially invited.

Secretary, A. J. Temple, Cameron, Ill.

The annual meeting of the Dominion Swine Breeders' Association will be held in the G. T. R. Reading Room, Brantford, on Friday, December 2nd, at 7.30 p.m. The programme will be published at a later date.

Secretary, F. W. Hodson, Parliament Buildings, Toronto.

### AN ABRIDGED REPORT OF ENGLISH AND EUROPEAN EXPERIMENTS WHICH ARE OF VALUE TO CANADIAN FARMERS.

EXPERIMENTS WITH PURE CULTURES FOR RIPENING CREAM.

In *The Milch Zeitung* P. Vieth reports on a number of experiments made at different seasons of the year with Witte's and Von Lorentz's cultures. The butter was kept for two

or three months and then tested as to quality. As a rule, the butter made with the Witte cultures was better than that made without, as it changed less in keeping. There was no apparent good effect on the butter from using the Von Lorentz cultures as compared with butter from cream untreated with cultures.

This bears out the results of previous experiments by the same author that there is no great improvement in the quality or keeping qualities of butter as the result of using pure cultures. They are generally used in creameries in order to remedy some fault in the butter. He intimates that the difficulty might frequently be avoided or remedied by scrupulous cleanliness and lowering of the temperature of the creameries.

### CROPS.—POTATO SILAGE.

A number of French experiments have been carried on to ascertain whether the heat due to fermentation in silos could be utilized for cooking and preserving potatoes. The potatoes were buried in a silo filled with crimson clover. They acquired the color of the plant and the odor developed in fermentation. They were flattened by the heavy pressure and when removed were comparatively soft. When they were examined microscopically and chemically it was found they had been cooked by the heat and rendered more digestive.

That a temperature of about 160 degrees F. is necessary to cook potatoes in a silo was shown by another French experiment to see whether corn could be preserved in a silo without cutting it up. A silo was filled by surrounding a ton of potatoes with corn. When opened the corn and potatoes were both found in good condition. The tubers were somewhat flattened, but more cohesive than in the previous experiment, while they were not so much cooked. The reason given was that the large size of the stalks and cobs of the corn diminished the pressure, and, consequently, the temperature. Chemical analysis showed that the potatoes ensiled with the crimson clover lost less water than those with the corn. The most striking difference, however, was the increased assimilability of the potatoes ensiled with the clover. Girard believes that under similar conditions of temperature, pressure and moisture the same results would have been obtained by ensiling potatoes with



clover and with corn. When the crushed potatoes were removed from the silo they lost weight very rapidly, and formed a hard mass containing only fifteen to twenty per cent. of water. In this condition they could be kept for a long time. When required for feeding they were soaked in water, which they readily absorbed, and thus regained their softness and digestibility.

Courmouls-Houles ensiled chopped raw potatoes, with about 2 lbs. of salt per 1,000 lbs. of potatoes, under a pressure of 2,500 lbs. per square yard. The total cost of washing, chopping, putting in the silo and weighting 50 tons of potatoes was about \$15. When the silo was filled the silage was

5½ ft. deep. Sixty two days later it had sunk to about 3 ft. The temperature of the silo when filled was 39° F., and when opened 50° F. The ensiled potato pulp was white, but became blackened on exposure to the air. Cattle ate this pulp greedily alone, or mixed with cotton-seed cake.

In another experiment with beet roots and potatoes ensiled and surrounded by corn, it was found that the appearance of the beets and potatoes was unchanged. The potatoes were somewhat soft as if they had been boiled in water. Ensiling them seemed to have caused a loss of water without really cooking them. About two thirds of the sugar of the beets was lost by ensiling them.

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A middle-aged man of experience in stock raising and general farming, to take charge of and manage a farm. Must be a careful, steady and reliable man, of strictly temperate habits, one who can handle men and keep accounts. To such, steady employment and a fair salary will be given, with free house and garden.

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## IMPROVED CH-STER AND TAMWORTH SWINE

Bears fit for service, Sows ready to breed, and Young Stock of both sexes for sale at reasonable price.  
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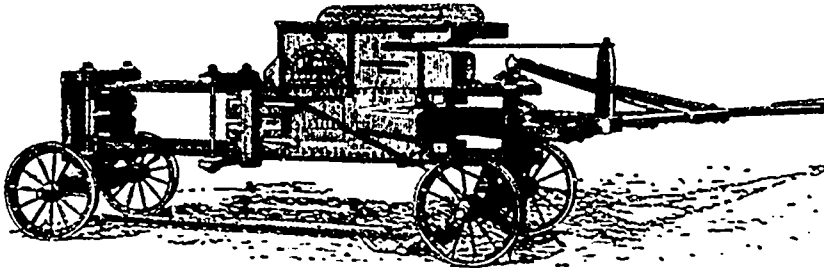
In the Maritime Provinces devoted exclusively to the interests of the 100,000 farmers in that part of the Dominion. It's a neatly-printed, sixteen-page semi-monthly, officially adopted and endorsed by the New Brunswick Farmers and Dairymen's Association, the Nova Scotia Farmers' Association, and the Maritime Stock Breeders' Association. An advertisement in it will be read by more progressive agriculturists in the three Lower Provinces than can be reached by any other single medium.

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CO-OPERATIVE FARMER,  
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## Dederick's Patent Steel Case Hay Presses

This is the only Reversible Lever Horse Hay Press that dared appear when called out for competitive test at the Chicago Columbian World's Fair.



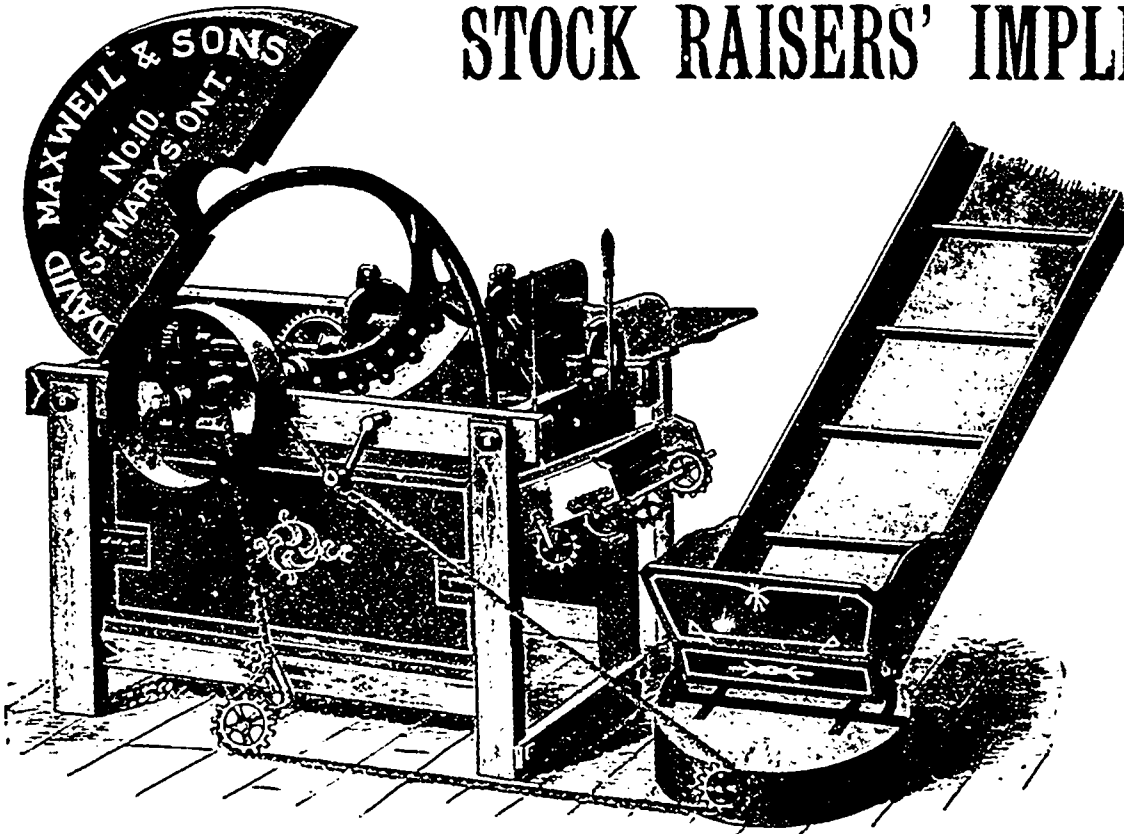
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These improvements make the Press lighter, stronger, easier on the horses, and more powerful. This is the leading Hay Press in Canada and the United States. Also PATENT ADJUSTABLE AND DIMENSIONS BALE TIES. MANUFACTURED BY

BOYD & CO.,

HUNTINGDON, QUE.

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## Power Ensilage Cutter No. 510

The latest and most modern manufactured.

Unsurpassed for

**POWER,  
DURABILITY, and  
CAPACITY.**

Made in two sizes, 14 and 12 inch.

We are also placing on the market new and improved Pulpers and Slicers.

Send for catalogue, giving full description.

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St. Marys, Ontario, Canada

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AN ILLUSTRATED WEEKLY JOURNAL DEVOTED TO  
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## MARKET REVIEW AND FORECAST.

Office of FARMING,

44 and 46 Richmond street W., Toronto.  
Sept. 10th, 1898.

Fall trade continues to improve. Last week we reported considerable activity in the wholesale trade in Toronto, and now Montreal has fallen into line with an improved trade in many lines. Money on call is firmer, which is a sure indication of growth in trade circles. The same good feeling exists across the line, and it is likely that this continent will witness the biggest fall's trade it has had for many a year.

## Wheat.

Things have been a shade brighter in wheat circles during the past week, and the wheat markets have had a tendency to a firmer basis, though it is hardly safe to expect much in this direction for a while. Farmers' deliveries of wheat are a little more liberal, but they don't seem to be very anxious to rush their grain to market in very large quantities. However, this is a busy season of the year, and if he is not compelled to do so the farmer would be foolish to neglect work at home for the sake of getting his grain to market. There is not much likelihood of the market being any worse than it is at the present time with a possibility of better things later on. One good feature about the situation during the week is the advance in futures. *The Montreal Trade Bulletin*, of Sept. 16th, says: "There has been a steady advance in the price of wheat since our last report, the cash article closing today at 66½c., being a rise of 4½c. per bus. since our last report (Sept. 9). December wheat closed at 63½c., an advance of 3½c. on the week, and May at 64½c., or an advance of 2½c."

The London wheat market is firmer and 3d. to 6d. per quarter higher with a good demand at the advance. The prices on the Baltic have varied from day to day, but a more active business has been concluded and floating cargoes are 3d. to 6d. higher, hard Manitoba included. The world's wheat supply in sight is 23,920,000 bushels, against 22,827,000 bushels a week ago, and 37,686,000 bushels a year ago. According to *The Corn Trade News*, Liverpool, the world's wheat crop for 1898 will aggregate 2,424,000,000 bushels, or 320,000,000 bushels more than last year.

It is not expected that there will be very large deliveries of wheat till October in the

country. Millers at some country points are paying from 65c. to 66c. At Montreal Manitoba No. 1 hard is quoted at 72c. to 73c. The market here has been steady during the week with prices ruling from 64c. to 65c. for red and white west, and 65c. to 66c. for red and white east. New No. 1 hard was reported sold on Friday at 85c., and No. 2 was offered at 82c. Montreal.

## Oats and Barley.

A steadier feeling is reported in the London oat market. A good demand has set in, which has enabled holders to get 3d. more money. The increase in freight rates to the seaboard may hamper the export trade somewhat. Oats have been a variable market at Montreal during the week, selling at from 28c. to 28½c. afloat. The market here is steady at 23½c. to 24c. for new white west.

The Montreal barley market is quiet at 45c. to 50c. for malting, and 37c. to 39c. for feeding. The market here is quiet at 40c. for No. 1 east and 38c. west.

## Peas and Corn.

The London market for peas is dull, and business is checked by too high prices. The Montreal market is firm at an advance of 1c. during the week, quotations being 61c. to 61½c. Holders are firm at the latter price. Peas are steady here at 50c. north and west.

The Montreal market is quiet, cargoes of No. 2 Chicago mixed being quoted at 35c. to 35¼c. all at, which prices are ¼c. to ½c. lower than a week ago. Corn is steady at 38½c. for American here.

## Rye and Buckwheat.

Rye at Montreal is quoted at 48c. to 49c. afloat. The market here is steady at about 41c. bid east for export.

The old crop of buckwheat is finished and until the new is offered prices will be merely nominal.

## Bran and Shorts.

The market for Ontario bran is easier at Montreal, and sales have been made at \$11.50 to \$12. Manitoba bran is quoted at \$10.50 to \$11, and shorts at \$14.50 to \$15. The market here is quiet at \$12 to \$14 for shorts and \$8 to \$8.50 for bran.

## Eggs and Poultry.

The egg markets at London and Liverpool are inclined to be a little easier, but, as stocks are not heavy, holders are not pushing sales. The Montreal market is steady, with a good local and export demand. Sales of new laid eggs have been reported in quantities at 15½c. and in single cases at 16c. Straight candled stock is selling at 13c. to 14c., No. 2 at 11c. to 12c., and culls at 9c. to 9½c. Eggs are in good demand here, and the market is firm at 15c. for strictly fresh eggs.

There is a fair demand for poultry here, and the market is steady at 40c. to 50c. for dressed chickens, and 35c. to 45c. for live ones; 50c. to 60c. for ducks, 6c. to 7c. per lb. for geese, and 10½c. to 11c. for turkeys.

## Potatoes and Beans.

Reports from Quebec indicate a fair average crop. The quality, however, is good. There is a good demand at Montreal, and potatoes are selling off the boats at 45c. per bag of 50 lbs., and at 55c. in small jobbing lots. The market here is steady. Cars on the track are quoted at 70c. Potatoes out of store sell at 80c. to 85c.

The Montreal bean market is quiet, and prices have an easier tendency, mediums being quoted at 75c. to 80c., and hand-picked pea beans at 90c. to \$1.

## Hay and Straw.

The reduction of from 2c. to 3c. per 100 lb. in the freight rates on hay from Montreal to Boston and New York will help the situation somewhat. The price will undoubtedly be low, but the quality is good, which gives our dealers a good opportunity to make Canadian hay a drawing card on the other side. Quite

a lot of ocean freight has been taken for hay recently, which indicates that something will be done in the export line. Choice clover and clover mixed have changed hands at Montreal during the week at \$4.75 to \$5 in large lots, No. 2 being \$5.50 to \$6, and No. 1 \$7 to \$7.50. Baled hay on track here is quoted at \$7 to \$7.50. Baled straw is quiet at \$4 on track.

## Fruit.

The activity in the apple trade reported in last week's issue still continues. Quite a few lots have been exported during the week, some of these in cold storage compartments on the ocean steamers at an extra outlay of 1s. 6d. per barrel. A good figure will need to be secured on the other side to make this pay. Buyers in the western part of the province have secured large quantities of apples at \$1 to \$1.25 per barrel, and some sales at \$1.50 are reported. This last figure is considered a little too high to admit of a profitable export business being done. The extra cost on these to Montreal is estimated at 30c. per barrel, 25c. for packing and 30c. for freight, making the cost of the apples at Montreal \$2.10 per barrel. It is now expected that there will be considerable quantities for export. Apples are quoted here at \$2 to \$2.25 per barrel but in small quantities, or 15c. to 20c. per basket. Peaches bring from 75c. to \$1 per basket.

## Cheese.

The cheese market is really a puzzle. With the shipments of cheese from Montreal up to Sept. 10th 274,094 boxes lower than last year for the same period, and the total shipments from Montreal and New York 503,167 boxes less, there does not seem to be the least excitement in the market. English dealers are taking things easy, and from all accounts are going to buy cheese as they want it, and let prices on this side do the holding. Last year of his time, though the make was very much poorer, English houses were eager to get September cheese; but this season, with lower prices and a smaller make, there is no enthusiasm. It is claimed that the English make is large. But even so, it sells for a higher price and supplies a different class of trade from Canadian cheese. The London market continues dull and inactive. There have been a few more cable orders during the week for finest western and filled on the basis of 41s. to 41s. 6d. c.i.f. Montreal quotations are: Finest western colored, 8½c. to 8¾c.; finest western white, 8¼c. to 8½c.; finest eastern colored, 8¼c. to 8½c.; finest eastern white, 8c. to 8 1/16c.; and under grades, 7¼c. to 8c. Prices at the local markets have ruled from 7 1/16c. to 8½c., with an inclination to higher values towards the end of the week.

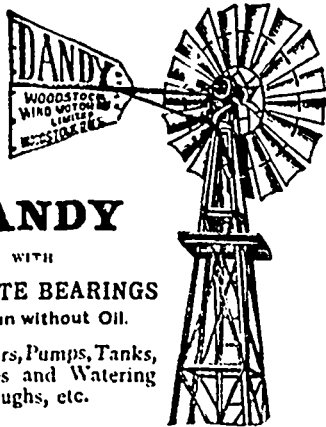
## Butter.

The shipments of creamery butter are falling off. Up to Sept. 10th total shipments were 105,104 packages as compared with 134,829 packages for the same period last year, a falling off of 29,725 packages. The total shrinkage from Montreal and New York as compared with last year is 145,199 packages. There is considerable butter stored in Montreal on Old Country account. The London market is active, and prices have moved up 3s. per cwt., with a good enquiry. Finest Canadian creamery is quoted at 95s. to 96s., and fine at 90s. to 93s. There was an advance in prices here early in the week, but there has been a lull during the latter part of the week, though prices have not receded any. It would seem that Old Country houses have a sufficient supply for the present. The outlook is hopeful, however. Choice fresh creamery is quoted at Montreal at 18½c. to 18¾c.; good to fine, 17½c. to 18c.; western dairy packed, 13½c. to 14½c. Prices on second grades have been gradually coming up, which is an indication of a healthy market. It is reported that some June goods have changed hands at 17¼c. to 17½c.

The demand here for choice dairy butter is active at 14c. to 15c. for the best, and 11c. to

## Woodstock Steel Windmills

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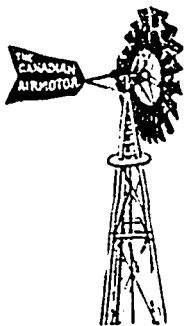
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They Run without Oil.

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Ask for copy of testimonial from F. W. Hodson,  
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LIBERTY ST. - TORONTO

BUY

**Coleman's  
Salt**  
THE BEST

## For Dairy or Table Use

IT IS UNEQUALLED.

### Salt on the Farm

for wire worm, joint worm, army  
worm and all insects that destroy  
crops. Salt is the best insecti-  
cide. It is also a fertilizer.

TRY IT.

**R. & J. Ransford,**  
CLINTON, ONT

13c. for medium. Dairy pound prints are in  
demand at 16c. and 17c. Creamery is steady  
at 21c. for prints, and 18c. to 19c. for tubs.

### Cattle.

Cattle seem to be holding their own.  
Though receipts have been large during the  
week, they have been cleared out without  
much difficulty. There was an easier tendency  
in some of the western markets early in the  
week, but which was recovered later on.  
There is considerably more activity in stocker  
and feeder line on the other side, which may  
affect the market here.

*Export Cattle* - On Tuesday these were  
firmer, but on Friday prices were about 10c.  
lower, the ruling prices being from \$4 to  
\$4.40 per cwt., with selections bringing  
\$4.50.

*Butcher Cattle* - These were in steady de-  
mand early in the week, but on Friday's  
market were easier. The prices, however,  
did not change, and ruled from \$3.35 to  
\$4.25.

*Bull* - The demand for these is fair, and  
prices a little higher. Heavy bulls bring from  
\$3.50 to \$4 per cwt., and light ones from  
\$2.25 to \$2.50 per cwt.

*Stock and Feeders* - The demand for  
these is fair and the quality good. Stockers  
bring from \$3.25 to \$3.50, with \$3.00 for  
selection; and feeders, \$3.50 to \$3.75, with  
\$3.85 for selections.

*Cows* - These are a little higher at Buffalo.  
The market here is not so brisk, though all  
offered on Friday's market sold at \$3 to \$6  
each, with good veals bringing \$7.

*Milk Cows and Springers* - These are firm  
at from \$32 to \$50. Good milk cows are  
wanted.

### Sheep and Lambs

Prices were higher for these early in the  
week and the demand for lambs active, but  
on Friday lambs dropped a little owing to  
large supplies. Export and butchers' sheep  
bring from \$3.50 to \$3.60 per cwt., and  
bucks \$2.75 per cwt. Spring lambs bring  
from \$4.50 to \$4.75 per cwt. Receipts of  
sheep and lambs at Buffalo were liberal to-  
wards the end of the week, and consequently  
ruled a little lower. Lambs sell on the basis  
of \$5.50 to \$5.75 per cwt., and choice to  
extra sheep at \$4.50 to \$4.25 per cwt.

### Hogs.

Choice bacon hogs are reported steady at  
\$4.75 to \$5 per cwt. at Montreal. The  
market here is steady at \$4.75 for choice  
bacon hogs, \$4.25 for light bacon hogs, and  
\$4.50 for thick, fat hogs. Sows are easier at  
\$3 to \$3.50 per cwt. The Wm. Davies Co.  
report that for several weeks back 80 per cent.  
of the hogs delivered have weighed between  
150 and 160 lbs., which is altogether too  
light. According to this it will be necessary  
to change the limit of best hogs from 150 to  
220 lbs. to 160 to 220 lbs. These light hogs  
should be kept by the farmer for two or three  
weeks longer. The remedy for this seems to  
be in the hands of the drovers, who should  
take warning and act accordingly.



## The Maple Leaf Churn

EASIEST AND BEST

Ask your dealer for  
it, or send direct to  
the manufacturers.

WILSON BROS.  
COLLINGWOOD, ONT.

## Good Butter Making

Do you want to make your churning sure, safe, profitable? And easy, too? Do you want to find a quick market for your butter?

Then try WINDSOR SALT - the salt that is pure and dissolves so easily. It has no bitter taste - successful buttermakers recommend it, and they ought to know.

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## Windsor Salt

The Windsor Salt Co.  
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Windsor, Ont.

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Will re-open on the  
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Full courses of lectures with practical instruction in subjects needed by young men who intend to be farmers. Send for circular giving information as to course of study, cost, etc.

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Guelph, July, 1898

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EAST TORONTO (Colman P.O.)

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### Dentonia Jersey Herd

Comprises twelve head of imported cattle direct from the Island, many of them noted Prize Winners, also some thirty cows carefully selected from the best Canadian Herds. Heifer and Bull Calves, also some good cows offered for sale.

### Dentonia Poultry Yards

S. C. Brown Leghorn and Light Brahma Cockerels for sale.

### Dentonia Trout Ponds

100,000 healthy fry ready for delivery this fall. Prices reasonable. Trout Eggs in season. Market Trout supplied on short notice.

# Successful Farmers...

Make it a point to procure the very best Implements that money can buy.

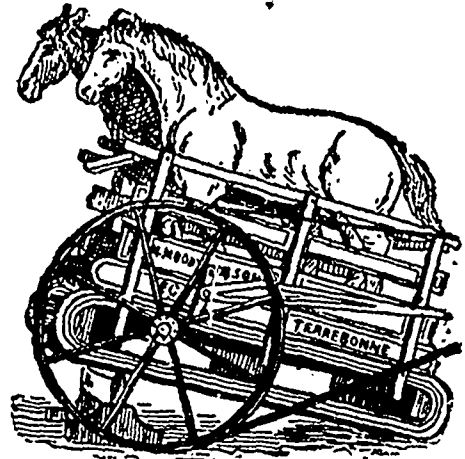
## THE Massey-Harris

Ensilage and Straw Cutters and Root Pulpers

Are great money-savers and give excellent satisfaction.

**MASSEY-HARRIS CO.,**  
TORONTO LIMITED

# Two Horses.



We supply a first class Governor when required with our Tread Power. Most governors cause friction and thus consume a great deal of power unnecessarily.

We make powers any width to suit customers and keep three widths of 2 Horse Powers in stock. Do not buy a 3 Horse Tread Power if you are going to use only two horses on it; you are wasting your money and losing power both at the same time.

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Send your name on a postal for circulars about our

## \$5 SUBSOILER

THAT ATTACHES TO ANY PLOUGH.

**S. VESSOT & CO.,** JOLIETTE, P.Q.

# Lancaster Feed Cutters.

Best work. Cheapest and easiest to operate, and give better satisfaction than any other machines made for the purpose. Full information cheerfully sent free on application.

**Lancaster Machine Works**  
Box 118 Lancaster, Ont.

# TOLTON'S No. 1 Double Root Cutter



### Points of Merit

1. To change from pulping to slicing is but the work of a moment.
2. There are two separate wheels, one for pulping and the other for slicing.
3. The united force of both wheels is always used in doing the work in either capacity.
4. The hopper is between the wheels, and does not choke.

The Latest and Best and the Only Double Root Cutter Manufactured

**TOLTON BROS. GUELPH**

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What your cows are doing? Every factory should have

## DILLON'S

Milk Pass Book.

Secretaries of cheese and butter factories will find that

Dillon's Improved Milk Book Combined  
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# ARE THE BEST AND CHEAPEST

For sale by all Dealers in Dairy Supplies, or

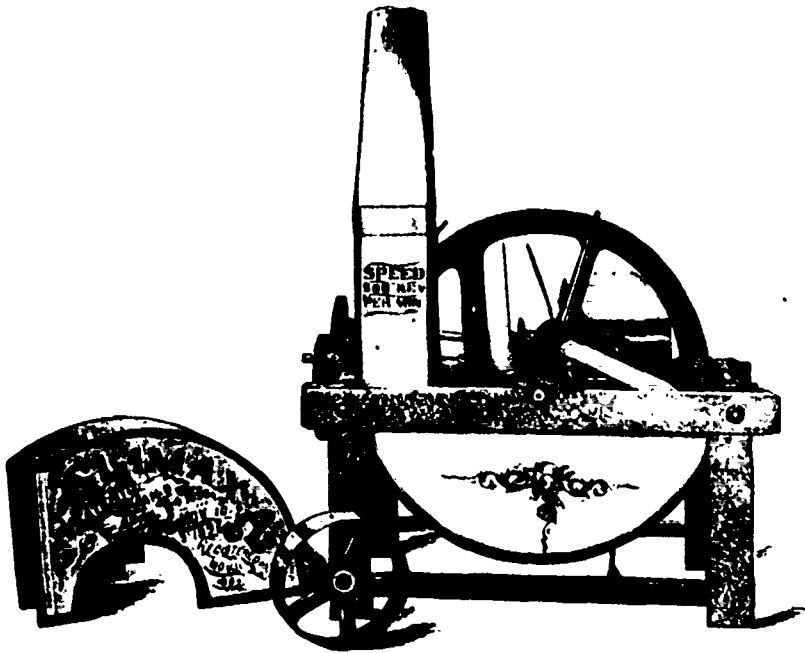
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## Our Ploughs

are recognized as the best that money can buy, from Halifax to Vancouver.

They last longest, draw lightest, work easiest. Our name and address cast in all repairs protects the farmer from imposition.

**They last twice as long**



## Our Pneumatic Ensilage and Straw Cutters

in three sizes, are the simplest the strongest, the fastest, and the lightest running in the market.

Three-hors have threshed all morning, and cut and delivered the straw in the mow in the afternoon. Capacity is only limited by the quantity which you can get to the machine.

The WILKINSON PLOUGH CO., Limited, - TORONTO, Ont.

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All desirous of exporting apples to the home market will be furnished with reliable information by writing

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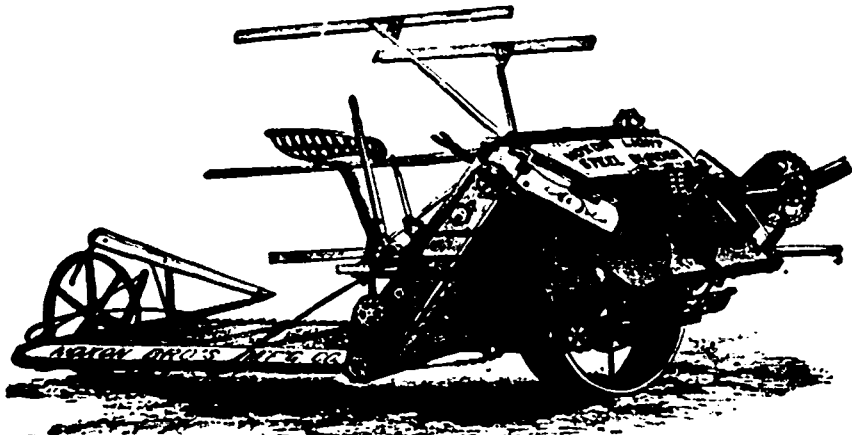
Canadian Agent for - Woodall & Co., Liverpool, L. & H. Williams & Co. Glasgow, M. Isaacs & Sons, Ltd., London. Reference, Mr. W. H. Dempsey Bay of Queen's Apple Experimental Station, Trenton

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**Noxon Bros. Mfg. Co., Limited**  
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# Metal Roofing

Our Patent Safe-Lock Shingles are cheap, easily laid, handsome in appearance, and practically indestructible.



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They are absolutely weather-proof, fire-proof, lightning-proof, and will last a lifetime. Perfect satisfaction guaranteed.

Samples and Price List Free on Application.

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PRESTON, ONT.

A VERY DESIRABLE IMPROVED

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E. A. GARNHAM,  
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## Every Man His Own Cobbler

The Home Repairing Outfit. A complete set of tools for Foot, Shoe, Rubber, Harness and Linen Repairing. 11 articles packed in a neat strong box; weight, 18 lbs. Every family needs one. They sell like hot cakes. Price for the complete outfit, \$1.75.

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### THE ALEXANDRA

Hand and Power. Capacity 160 to 2,000 lbs. \$50 to \$350.

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Hand Style only. Capacity 370 to 850 lbs. Price \$100 to \$185.

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