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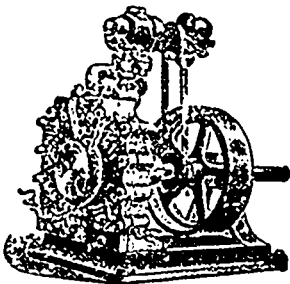
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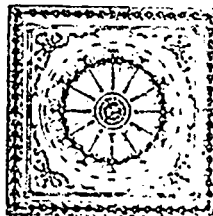
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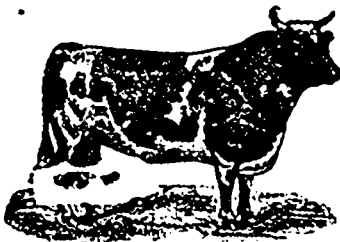
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Good Shearing Ram and some fine Rams and Ewe Lambs, also some good young Yorkshire Sows and Boars. Some good young Heifers in Calf for sale.

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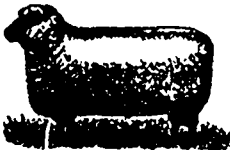
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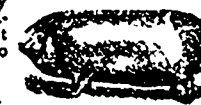
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ARE THE RIGHT KIND.

Brood sows for sale.
Boars ready for service.
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Lots of pigs two to three months old; good long pigs with heavy bone.
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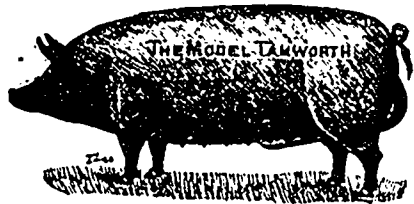
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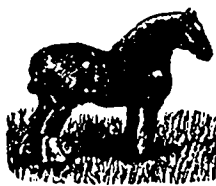
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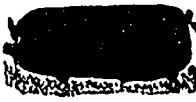
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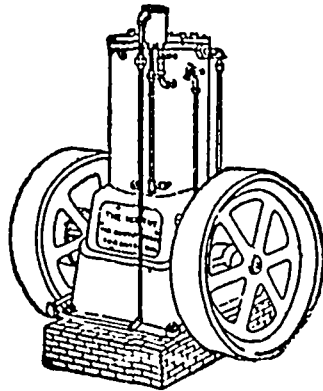
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Such an Engine is our Gas or Gasoline Engine
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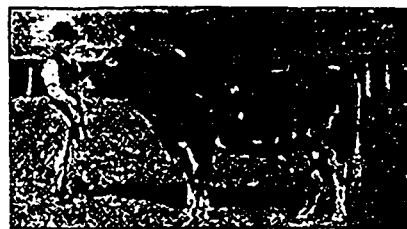
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Sheep.

FARMING

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SEPTEMBER 13th, 1898.

No. 2.

The Industrial Fair

A visit to the Industrial Fair cannot help but impress one with the greatness of Canada's resources, and more particularly those of Ontario. To many who visited the Fair for the first time this year it seemed almost a marvel that such large exhibits of live stock, agricultural products, dairy products, fruit, machinery, fine arts, etc., could have been got together for a ten days' exhibition. A few years ago it was thought that the extensive grounds on which the exhibition is held would be ample for many years to come. But so great has been the expansion of this, Canada's great fair, during recent years that not only many of the buildings, but the ground itself, may have to be enlarged at an early date.

All this is, no doubt, very gratifying to the directors and those who have made the exhibition what it is to-day. There is a sense, however, in which every Canadian may rejoice in the success which has attended the Industrial Exhibition. This great fair has done much to advertise Canada abroad, and especially among the people of the American Republic. Every year the number of visitors from the United States is increasing, and this year the number was very much greater than at any previous exhibition. A just feeling of pride must come to every Canadian in the fact that every visitor from the United States or elsewhere who comes to Toronto during the fair sees one of the best annual exhibitions on the continent. Looking at it from an agricultural point of view, we question very much if it has its equal anywhere as an exhibit of high-class live stock and agricultural products.

Though the Industrial Fair has been extensively advertised abroad during recent years, we are inclined to the opinion that even more might be done in this direction, especially in connection with the live stock exhibits. Every year a great many American breeders visit the Fair and take away a large number of our pure-bred animals. But there is room for more to be done along this line, and if the various live stock associations of the province would co-operate with the Industrial Fair Association to do some special advertising among the breeders and purchasers of pure-bred stock in the United States more of them might be induced to visit the Fair for the purpose of replenishing their herds. Why is it not possible to make the Industrial Fair, so far as the live stock interests are concerned, the meeting place for buyers and sellers of pure-bred stock on this continent just as the British Royal Show is the meeting place for buyers and sellers of live stock for almost the whole world?

While the Industrial Fair excels in many respects in the accommodation provided for the various exhibits, there are one or two features of the show which can and must be improved upon if the present standard of the exhibits is to be maintained or improved upon. For the past three years the dairy exhibits, which represent one of Canada's greatest industries, have been side-tracked, and the accommodation provided not at all what it should be to display the exhibits properly. Surely some better provision could be made for the cheese and butter department. To locate it in under the grand stand, away from the other exhibits and in a place where there is poor light and not the purest atmosphere, is something the dairymen did not expect from so broad-minded a body as the directorate of the Industrial Fair, and it is sincerely hoped that better accommodation

will be provided before another year. All agricultural products should be grouped together, if not in one building at least in one portion of the grounds. As it is, the agricultural hall and the dairy building are several minutes' walk from each other. Other exhibits are not treated in this way. Everything in the machinery line is grouped together, and so should everything in the line of agricultural products. What is needed is an agricultural hall big enough for holding all the agricultural products, including cheese and butter.

The Fast Steamship Service and Cheaper Freight Rates

It is not our practice to dabble in politics, nor do we intend doing so at this juncture. It often happens, however, that in the interests of the agriculturist we are compelled to touch upon questions that savor somewhat of politics. But in doing so we endeavor to discuss them entirely free from politics in any way, and such is our purpose at the present time.

The Peterson-Tate contract for establishing a fast steamship service between Canada and Great Britain has fallen through, and if we are to have such a service an entirely new arrangement will have to be made. Looking at this question from an agricultural point of view, and in fact from a point of view in which the interests of our growing export trade are considered, it seems to us that the proposal for a fast steamship service might very well lie in abeyance till more adequate provisions are made for transporting Canadian food products to the British consumer in the quickest and best possible way, and at the lowest possible cost.

It is apparent to everyone who is at all familiar with the freight rates on goods destined for export that the Canadian producer and shipper are at a great disadvantage as compared with the producer and shipper of the United States or other competing countries. From reliable information which we have at hand we find that during 1897 the Canadian shipper had to pay \$6 per head more for sending his cattle to Great Britain than the shipper in the United States; or, in other words, that, while the United States shipper was able to send his cattle forward at an average transportation charge of \$20 per head, it cost the Canadian shipper \$26 per head. This illustration alone is sufficient to show that there is something radically wrong with our freight service either by rail or by ocean steamer. We may go on till doomsday endeavoring to educate our farmers in the best methods of breeding and feeding cattle for the export trade, but unless we have some better arrangement in regard to transportation charges we shall never be able to compete successfully with the cattle-producers of the United States or any other country having the same advantages regarding freight rates that they have.

It must be borne in mind that it is not the shipper who pays this \$6, but the producer. When the latter sells his cattle he has to allow a sufficient amount off the price for his product to pay for this extra cost in transportation. If the export freight rates on cattle were placed upon a proper basis there is not the least doubt but that this \$6 per head could be saved to the farmers of Canada. During the first six months of this year we exported to Great Britain 30,048 cattle. If this \$6 per head for extra freight charges could

have been saved it would have meant \$180,288 in the pockets of the Canadian farmer. There is no adequate reason that we can see why the United States producer should have an advantage of \$6 per head in freight rates over his Canadian competitor. But it is not the cattle trade alone which suffers from these excessive freight rates.



Two-year-old Guernsey Cow Frestia, Imported. Won first at the New England Fair, 1898, and first and sweepstakes at the Industrial Fair, 1898. Owned by J. N. Greenshields, Isaleigh Grange Stock Farm, Danville, Que.

The export sheep trade has suffered more than any other, perhaps, in this respect, and all our varied lines of exports suffer in a greater or less degree, the producer having to pay the penalty.

In the face of all these facts, we contend, now, that the proposed scheme for a fast ocean service has fallen through, that the amount to be appropriated for that purpose might advantageously be used in securing cheaper and better transportation facilities on all Canadian products destined for the British markets. A fast ocean passenger or mail service may be beneficial in inducing a few more gentlemen of leisure to visit Canada, and in facilitating business correspondence with the Mother Country; but we put the question straight: Would it confer one-quarter as much benefit upon the great producing classes of this country as a 10-per cent. reduction in ocean and railway freight rates on products destined for the British market? We do not think so, and, therefore, believe that it would be wise on the part of the Government to let the fast passenger and mail services wait till all that can be done is done towards securing better and cheaper freight rates on all outgoing products. In several ways it seems to us that this fast ocean steamship service is a kind of luxury. In a young country like Canada, where effective work is required in order to place our products in the hands of the British consumer in the best possible condition, it is not luxuries we need most, but practical, definite efforts along the line of increasing the profits to the producer, and how can this be done more effectively than by securing better freight rates on all products destined for the British markets?

Dairy Meetings

Time and Place of the Annual Conventions Arranged for.

Cheese and Butter Association of Western Ontario

The directors of this association met on Sept. 6th on the exhibition grounds. There were present President Harold Eagle, Attercliffe Station; John Prain, Harriston; A. F. MacLaren, M.P., Stratford; A. Pattullo, M.P.P., Woodstock; Robt. Johnston, Uright; R. M. Ballantyne, Stratford; J. N. Paget, Canboro; A. Wenger, Ayton; James Connolly, Porter's Hill; G. H. Barr, Sebringville; and Geo. Hately, secretary, Brantford.

Arrangements were made for holding the next annual

convention of the association at Guelph on January 17th, 18th and 19th, 1899. The following speakers are to be invited to address the meeting:—W. H. Jordan, Director Agricultural Experimental Station, Geneva, N.Y.; Geo. L. McKay, Dairy Instructor, Agricultural College, Ames, Iowa; Theodore Louis, Louisville, Wis.; Prof. Robertson, Ottawa; Prof. Dean, Guelph; Dr. W. T. Connell and J. A. Ruddick, Kingston; T. C. Harrison, Guelph; A. W. Campbell, Toronto; and A. Smith, Beachville.

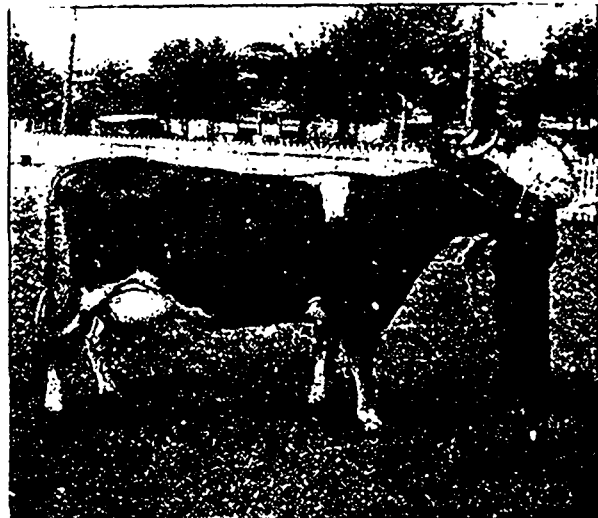
President Withrow, of the Industrial Fair Association, presented the claims of the Fair to the Board, and promised that every consideration should be shown the dairy industries, and suggested that the entire space underneath the grand stand might be placed at the disposal of the cheese and butter associations for the dairy exhibits.

Cheese and Butter Association of Eastern Ontario.

The Board of Directors of this association met at the Rossin House, Toronto, on the evening of September 6th. Those present were Messrs. D. Derbyshire, Brockville, president; Henry Wade, Toronto; J. R. Dargavil, Elgin; Wm. Eager, Morrisburg; P. R. Daly, Foxboro; Ed. Kidd, North Gowat; T. B. Carlow, Warkworth; A. Campbell, Ormond; John McTavish, Vancamp; and the secretary, R. G. Murphy, Elgin. It was decided to hold the next annual convention of this association at Kingston on January 10th, 11th and 12th, 1899. Among the speakers invited will be ex-Governor Hoard, of Wisconsin; the Minister of Agriculture, Prof. Robertson, Prof. Dean, Dr. Connell, and Mr. J. A. Ruddick, Kingston.

Poultrymen Meet

The Ontario Poultry Association met on the fair grounds on Sept. 8th, President Dr. Bell, Toronto, presiding. Mr. C. C. James, Deputy Minister of Agriculture, was present in response to an invitation, and the members took advantage of the opportunity to make application for a special grant from the Government of \$300 to enable them to entertain the members of the American Poultry Association, whom they have invited to hold their next annual convention here next January. Mr. James promised to lay the matter before the Minister of Agriculture.



Princess May XII., Imported Four-year-old Guernsey Cow. Won first place at the New England State Fair, 1898, and first at the Industrial Fair, 1898. Owned by J. N. Greenshields, Isaleigh Grange Stock Farm, Danville, Que.

A representative was present from the Peterboro Poultry Association, and brought an invitation to the association to hold its annual exhibition for 1900 in Peterboro. The winter poultry exhibition for 1899 will be held in Toronto during the time when the American Association is meeting here, and a big gathering of poultrymen is expected.

THE INDUSTRIAL FAIR.

A FULL REPORT OF THE EXHIBITS IN
THE AGRICULTURAL AND LIVE
STOCK DEPARTMENTS.

The Industrial Fair was formally opened on Tuesday, August 30th, by His Honor the Lieutenant Governor. A larger number of visitors than usual were in attendance on the opening day, and from the time the electric button which set the machinery in motion was touched till the closing day, on September 9th, a steady stream of eager sight-seers passed in and out the gates. The attendance throughout was large, and probably largely in excess of former years. Especially was this so of farmers' day (September 6th), which was a record breaker. There were more farmers in attendance on that day than on any previous day in the history of the show.

The character of the exhibits was up to the usual standard, and in many respects ahead of former years in point of quality. The number of exhibits in some of the live stock classes was not as large as formerly, as will be seen from the detailed report given below. This is accounted for largely from the fact that many breeders who formerly made large exhibits had either sold all their best stock, or had sold so many of them that their exhibits were smaller than usual. The small reduction in the prize money in some sections may have kept some at home, but this is improbable.

Though it may be necessary sometimes to retrench a little in expenditure in order to come out on the right side at the end of the year, yet considerable care should be exercised as to how the retrenchment is made. The catalogue of exhibits this year was almost useless, and wholly so as far as the live stock exhibits were concerned. We understand that this was due to a desire on the part of the management to cut down expenses. It was a short-sighted policy in any case, and we heard many complaints from breeders and others regarding the uselessness of the catalogue of live stock. None of the horses were numbered, and a catalogue without any means of identifying the animals was useless. The same complaint was made of the cattle and other classes. This should be remedied another year, and a properly-numbered catalogue supplied whereby visitors and others might be able to identify the animals they are examining.

HORSES.

There were more empty stalls this year at Toronto than have been seen for years before. Altogether, the show of horses did not excel those of recent years. In some classes there was a decided falling away. In none was there any great advance. Unfortunately some extra good animals had to be sent home on account of an outbreak of distemper. This affection has been specially prevalent in many sections of Canada during the past year, and while it has been known in the stables during former shows, yet no special notice was taken of it. This year an example was made of a

prominent exhibitor who had a fine lot, but all his animals were sent home at the beginning of the show by order of the Directors.

Thoroughbreds.—This class had some sixty entries, rather fewer than usual. There were many old favorites, who have been seen year after year. Wm. Hendrie, of Hamilton, got first and silver medal for Othmar. He was judged the best for breeding hunters and the best thoroughbred in the show. The same owner had a good one in the ordinary class in Versatile, a regular racer type, with beautiful legs. In the class for best mare old Thistle was again winner of the silver medal. She must have five or six medals by this time. She carries her years well, and had at foot a beautiful foal, by Parisian, also a winner of a red ticket. W. Hendrie had firsts for a bunch of five fillies. The half-bred is a most useful light-legged horse, and we have not too many good ones in Canada. The thoroughbred sires shown were good ones for such breeders.

Roadsters.—The class for roadsters was smaller than usual, but there were a few very good ones. It is a popular class and is well patronized. For best pair of matched roadsters, C. H. Gooderham, Toronto, was 1st with a beautifully moving team; J. C. Dietrich, Galt, had 2nd for a pair by Axland, while W. D. Flatt, Hamilton, got 3rd for a pair of dark brown. They are both by Longitude, and are nicely matched. For single roadster under 16 hands, J. C. Dietrich had 1st for Ronoco, a fine driver. In the smaller class under 15½ hands, 1st prize went to a son of George Wilkes, shown by Chas. Burns, Toronto, a capital mover. Among the stallions, H. Scott, Caledonia, had the winner of the sweepstakes silver medal in the two year-old Dalton McCarthy by Boyda.

Standard Bred had a number of good animals, but while some were sweet and blood-like they were sometimes undersized. R. Davies, Toronto, had the prize filly, Jingle Bell, a bright bay with dark points, with the rounded buttocks of many trotters, and nice clean legs. A. F. Hillock, Brampton, had the best brood mare in Elma Snell, and her foal was also a winner. In matched teams, T. Rudd, Markham, won both 1st and 2nd prizes with beautiful free-stepping pairs.

Carriage Horses.—This is always a large class, and this year was no exception, over a hundred animals being entered. It is a class that comprises often very varied breeding. A few are sired by coaching stallions. This year there were many of half hackney blood, and a few by thoroughbred horses out of well-graded trotting mares. This last cross gave some good ones. W. C. Brown, of Meadowvale, won in the aged stallion class with Prince George, by Prince Victor, a high-standing horse with good action. In the class for matched pairs the dealers came well forward with several very good teams, Thos. A. Crow, Toronto, winning 1st for team 16 hands and over, and 2nd for team under 16 hands. Chas. Head, Guelph, had 2nd place with a fine stepping pair.

Hackneys were a fair lot—Graham Bros had the winner in Royal Standard, the Irish bred hackney who has so often brought the first prize ribbon to his owners. He is too well known to our readers to need any description. Enough to say that he went in his best form, and he is one of the best movers in America. For three-year-olds A. Yeager, Simcoe, got first for Hillhurst Sensation, Robert Beith being second with Squire Rickell, which he expected to be a winner. This horse was not going in his best form, his owner alleging that it was the time at which he was shown and the varied noises that put him off his usual gait. He is by Cadet, dam Miss Rickell, a sister of Bonfire. His full brother won in New York in 1896. Great things are expected of this horse. The Ottawa Live Stock Co. got first for Lorenzo, a dark-brown by Banquo, and out of Lady Aberdeen. Lady Aberdeen was in good form but had to be content with second place, H. N. Crossley, Rosseau, coming first with a much smaller mare, Lady Bird, a dark-brown almost black, thick at the heart, and a great

mover, showing her paces in a style that only a first class hackney can manage to attain. For foals R. Beith's Cressida, out of Lady Aberdeen, by Ganymede 3rd, was unplaced, but the owner thinks it the plum of the stable. The same owner was also first for a filly foal, by Banquo, the last of his get out of Mona's Queen, a fine chestnut and the winner of third place in her class. In the three-year-olds R. Beith won with Cassandra, a daughter of Jubilee Chief, out of Mona's Queen. This mare promises to be big and is of good hackney type. She was good enough to win the medal at the spring show. In this class 2nd and 3rd fell to M. J. Lottridge, of Hamilton, for a bay and a brown by Conner. In yearlings R. Beith led with Cordelia, a chestnut mare with a very few scattering white hairs, a daughter of the imported mare Florence and by Banquo. H. N. Crossley came 2nd and 3rd with daughters of Rosseau Performer. For the silver medal R. Beith's Jessica was first. She has been often a winner and won going in a style seldom excelled.

High Steppers and Harness Horses were a large class, and attracted a good deal of attention from the crowds of visitors, but few in the onlookers could tell anything about them, because there were no catalogues that gave numbers for identification. The Toronto dealers made a good exhibit and captured a number of the prizes. Sales were good, and many of the horses shown changed owners at good prices. In this respect it was the best for the exhibitors in many years. The ordinary farmer and breeder has neither the skill nor the time to train properly horses for this work, and the dealers have the schooling and the fitting for the ring, so that they came usually to be the exhibitors, and it is not easy to get reliable records of the original breeders or the breeding of these, but many were evidently full of Hackney blood.

Hunters and Saddlers were a large class one of the largest in the show. In the straight class The Toronto Pioneer Hunting and Jumping Stables came first with a well-trained animal.

In heavy-weight hunters Dr. Andrew Smith won with Kedar in a very large class, Ten Broeck owned by A. R. Curzon, Guelph, a good second.

In light-weights there was a large field of good horses.

Ladies' saddle horses brought out a field of seventeen. Miss Beardmore, Toronto, was first with Lassic, a well-schooled mare, Mr. Curzon's well-known bay, Victoria, also getting a ticket. She is a sweet bay with blood like lines.

Jumping was an attractive feature of the show and the public showed by their attendance about the ring the great interest they took in the performances. The trials were spread over the show so that part at least was seen by many thousands of visitors. The judges were a trio of officers from the military circles of Toronto, and gave satisfaction in their work.

General Purpose Horses.—This was a small class for females or geldings only. It is popular with a class of exhibitors, and there is always more or less uncertainty as to what the judge may consider the best type for general purposes. This year high-standing, rangy animals had the best of the awards. Some half-breds had a place, and many animals of this breeding made excellent horses. In the class four years and upwards James Ryan, Guelph, won with Cleveland Bay, with a half-bred, by the well-known Wiley Buckles, 2nd, and gets of the same sire captured both 1st and 2nd in the three-year-old class, J. H. Ferguson, Brampton, gaining 1st with a fine, blood-like bay. M. Harrison, Brampton, made a good record, bringing three animals and winning three first prizes. For brood mare he had a bay of a coaching type, by Young England, and her rangy-like foal was a most promising one, her two-year-old filly by Jubilee Chief being a very clean-legged specimen with good action. Mr. Harrison also got the silver medal for his mare as the best in the class. For matched teams Alex. Wild, Toronto, won both 1st and 2nd prizes.

Heavy Draughts are confined to Canadian-bred, and have practically come to be a class for Canadian-bred Clydes either of pure or mixed breeding. Most of those shown were Clydes registered in the Canadian records. Berry & Geiger, Hensall, Huron County, showed Bakerficed, a thick, good horse, winner also of the silver medal in the class. Second place went to Colin McKeigan, Strathroy. In the three-year-old class two only were shown. Neil Smith, Brampton, got 1st for Jubilee Prince [2291], by Kintyre Hero [1831]. He is a dark brown horse, with four legs white almost to the knees and hocks. He has a thick middle, is big jointed and with medium bone. A. Dogherty, Ellesmere, had second with Prince of Blantyre [2239], a bay much younger than his rival, being but a two-year-old. He is promising to be a big one, and his sire, Prince of Quality [2173], though often turned down by our Canadian judges, is good enough to get into the first three in Britain at leading shows there. This year both at the Royal of England and at Edinburgh he has taken a good place. For geldings, Wm. Hendrie, Toronto, won with a big, thick fellow sired by Pride of Perth [282]. This is a class that should have more attention than it gets. Big geldings of good form are scarce and worth a lot of money, and the class is one that should be encouraged by giving liberal prizes and widening their range. A. G. Smellie, of Hensall, had a good pair of three-year old fillies, and Amos Agar, of Nashville, had the medal mare in the two-year-old filly, Nancy [2352], a light bay with good bone, sired by Castlemore Bob. He had also the winning brood mare, a very good type, and had 2nd for her foal by Westfield Stamp. S. I. Prouse, Ingersoll, showed Ossa, by Marmion, a smallish light bay mare of good quality. She won 3rd in her class, and 1st for mare with two of her progeny. I. De Witt & Sons, Freeman, had a big gelding by Douglas MacPherson [1791], and a two-year-old filly by the same, both of which got prizes. They also had the winning foal by Rosamond. First for heavy-draught team went to Wm. Hendrie, Toronto, for a fine pair well brought out by Mr. Wilkie.

Shires have never been a numerous class. They have, in Ontario, been overshadowed by the Clydes. This year there were a few good things shown. Berry & Geiger, of Hensall, had the winner in the stallions with the imported horse, Kilburn [265], a heavy brown by Herod (11609), dam by Cardinal (2407). He is a great, big, good horse, weighs 2240 lbs., with a grand hind leg and broad flat bone below the hock, altogether an excellent horse though a trifle plain in front below the knee. He won the sweepstakes medal. Morris Stone & Wellington had second and third for Pride of Hatfield [256] and Prince Charles [196], and Royal Champion 4th [242] from Millbrook got 4th place. There were only a couple of younger colts shown. The female classes were very bare of entries. Morris Stone & Wellington, of Welland, had three fillies by Pride of Hatfield [256]. J. M. Gardhouse, Highfield, had the winning mare Queen [117], first also for mare with two of her progeny.

Clydes.—There was but a small show of Clydes, and they were not nearly up to the quality of former years. Some of the best judges agreed that it was the poorest exhibit of Clydes ever seen on Toronto show grounds. For Clydesdale stallion with four of his progeny under two years old there was one entry, Young MacQueen [2290]. He is by the great MacQueen (5200), so often a winner at Chicago. Was brought out in good form and is a good type of the MacGregors, and should have been an easy winner had he been shown in the regular class. His four foals shown were not in as good show form. For aged stallions Simon Yet [2390] was placed first. He is a thick horse, with a big, deep body, well ribbed and grand at the flank. Though by MacQueen (5200), he does not show his type so much as that of his stable companion, Marmion (6074). He is a chestnut with a grey hair. He was going well, but with his front legs rather close together.

Robert Davie's had 2nd place with King's Own [2172], by Queen's Own [1708], out of Candour [1656]. Third ticket fell to W. Taylor, Cannington, for Just the Thing [1248], by Jordanshaw (3343). In three-year-old stallions Border Reiner [2307], who was in good form and had won fresh honors at the spring show for Robt. Davies, was turned back to second place by MacMicking, lately imported by Dow & Colquhoun, of Mitchell. He is a bay with dark points in front and white socks behind, sire McMeekan (9600), and out of a mare by the celebrated Farmer (288), bred by James Craig, Camp Douglas, Scotland. He has good broad bone, nice feather, and not too long in the pasterns. In two-year-olds Robert Davies had 1st, 3rd and 4th with sons of MacGregor (1487). MacGregor & Honey, Brucefield, came 2nd with Prince of the Border.

There were eight yearling colts out, but not an outstanding winner in the lot. In fact, they were hardly up in quality to what we should expect. It often happens that a plain-looking yearling grows into a good horse, and a finished youngster is not likely to make a big stallion. The pick of the lot were found in Prince of the Glen [2306], by Prince of Quality [2173], out of Edith [1322], bred and owned by Robt. Davies; and in Rosamond Agaria, shown by S. I. Prouse, Ingersoll. He was shown thin in flesh, but promises to be a blocky horse. He is a bay, with white on face and a little on hind legs. The foals were headed by Prince Lynedoch [2381], a promising youngster out of Edith [1322], by Prince of Quality [2173]. This mare Edith was placed first in her class, and given the sweepstakes, but was not in her old form—was rather out of bloom—and hardly what one would expect for a medal mare. Her stable mate, Nelly [1323], was in better form. Only two fillies were shown—one three; year-old by Robt. Davies, a daughter of Energy [1432], and a yearling by Graham Bros. after The Royal Standard [2220]. Teams were shown by Alex. Wild, Toronto, who got 1st and 2nd prizes, there being no competitors.

CATTLE.

The show of cattle was very good on the whole, although in point of numbers the total was nearly 100 head less than in 1897. Those present, however, were fully up to the average, on the whole.

BEEF BREEDS.

Nearly all the beef breeds made a very good showing, especially Shorthorns and Galloways, while the other classes were about the same as usual.

SHORTHORNS.

The red, white and roans were somewhat fewer in point of numbers than usual, owing to the drain made on Ontario herds by the steady demand for bulls and females that has existed for some time. There were not such rings of bull and heifer calves as used to be seen a couple of years ago. The quality of those shown, however, was very high, and great interest was taken in the judging by those around the ring.

Four aged bulls came forward—Capt. Robson's Moneyfuffel Lad, who was last year shown by James Leask in the three-year-old class and won 1st there; Messrs. Nicholson's Indian Brave; Wm. Shier's Canada; and Wm. Hendrie's Britannia's Duke 14th. There was not much trouble in picking out Moneyfuffel Lad for 1st place. He is a capital bull, of good substance, and was shown in the pink of perfection. Indian Brave, a thick bull, was given 2nd, but not a few would have placed Shier's bull there instead of in 3rd place. He handles nicely, and is smooth all over, but lacks somewhat on the shoulder. Eastwood Bros. came to the fore in the two-year-old section with 16th Crown Jewel, a level bull, beating Thos. Russell & Son's New Year's Gift, a hull of great substance, who had several admirers, Geo. Gier's Lord Stanley 4th, a roan by the well-known Lord Stanley, carried 3rd honors. Two-year-old bulls were not an especially good class. Jas.

I. Davidson & Son's Sittyton Hero was the best, and secured 1st; Messrs. Watt were 2nd with Riverside Stamp, a son of Sultan of Riverside, and Messrs. Fried's Lord Willison occupied the same position as he did here as a yearling in 1897. There was only one yearling out, Lord Hamilton, a red son of Scottish Knight, shown by James Rennie, Wick. He won 2nd last year as a calf, besides the sweepstakes at Montreal for W. C. Edwards & Co. Bull calves were seventeen in number. J. & W. B. Watt had a capital bull in their roan, Royal Standard, which handled well. They won 1st with him and 5th with his half-brother, Royal Banner, by the same sire. Goodfellow Bros., Macville, had the 2nd prize calf in Golden Flame, while H. Smith's Bismarck, a red by Abbotsford, was 3rd, and Jas. I. Davidson & Son's Sittyton Hero 2nd, 4th. There was only one prize offered for bull calves dropped after Feb. 1st, 1898. This fell to a well-grown red, 23rd Crown Jewel, shown by Messrs. Nicholson. W. J. Pettit & Son had a pretty roan in this section. The sweepstakes for bulls fell easily to Moneyfuffel Lad.

Aged cows were a very fair lot. Capt. Robson's Louan of Browndale 2nd, a big, deep red, carrying a wealth of flesh on top, received the red ribbon. Messrs. Watt's Matchless 11th made a good second and Messrs. Russell's Medora 12th, a solid, dark roan, was 3rd. Three-year-old cows were five in all. An outstanding winner was found in Capt. Robson's white, Mysie's Rose, which swept everything before her in 1897 in the two-year old class, and afterwards carried off the sweepstakes, a feat which she repeated this year. R. & S. Nicholson's 9th Leonore of Sylvan came 2nd, and T. Russell & Son's Bracelet 8th was 3rd. The Salem herd had two strong candidates for honors in the two-year old class, Mildred 6th and Matchless 18th, half sisters, by Royal Sailor, which stood 1st and 2nd. The former is a very thick heifer with a deep, heavy front; perhaps a trifle short. Her companion is of a bigger stamp and was heavy in calf. Some judges would have placed her ahead of her half-sister. Capt. Robson's Rosina 2nd, a nice, level roan, won 3rd. The Salem herd also won 1st and 2nd for yearlings with two other daughters of Royal Sailor. These were Matchless 19th, a roan, a full sister of the 2nd prize two-year-old heifer, and Dora Stamford, a thick red. Capt. Robson's Myrtle 6th, a lengthy, deep heifer with nice lines, came in for 3rd honors. Fifteen heifer calves were out, a larger ring than in 1897, but small compared with previous years. They were a good lot. Capt. Robson's Lovely Lorne 2nd was placed 1st, while H. Smith's dark roan, Village Violet, by Caithness, out of an Earl of Mac cow, an exceedingly pretty heifer, was given the blue ribbon, and the same exhibitor's red, Vanity 2nd, the yellow ticket. R. & S. Nicholson's thick roan secured the 4th place, and Messrs. Watt's Lady English 6th was 5th. Quite a number favored Village Violet for 1st place, and the Salem heifer was also expected to be higher up in the prize list. 54th Duchess of Gloster won the single prize given for heifer calves dropped after February 1st. She is owned by Jas. I. Davidson & Son. H. Smith came out victorious for four calves bred and owned by the exhibitor, with Messrs. Watt and Davidson 2nd and 3rd. Six lots were out for judgment, all being good. The prizes for herds over one year old went to Capt. Robson, J. & W. B. Watt and T. Russell & Son in the order named, while the Salem herd won the solitary prize for young herd given by the Dominion Shorthorn Breeders' Association.

Awards.

Bull, 4 years old and upwards—1, T. E. Robson, Ilderton; 2, R. & S. Nicholson, Sylvan; 3, Wm. Shier, Sunderland.

Bull, 3 years old and under 4—1, Eastwood Bros., Mimico; 2, T. Russell & Son, Exeter; 3, Geo. Gier, Grand Valley.

Bull, 2 years old and under 3—1, James I. Davidson & Son, Balsam; 2, J. & W. B. Watt, Salem; 3, J. Fried & Sons, Roseville.

Bull, 1 year old—1, James Rennie, Wick.

Bull calf, under 1 year—1 and 5, J. & W. B. Watt ; 2, Goodfellow Bros., Macville ; 3, H. Smith, Hay ; 4, Jas. I. Davidson & Son.

Bull calf, calved after Feb. 1st, 1898—1 R. & S. Nicholson.

Bull, of any age—1, T. E. Robson (Money-fuffel Lad).

Cow, 4 years old and upwards—1, T. E. Robson ; 2, J. & W. B. Watt ; 3, T. Russell & Son.

Cow, 3 years old—1, T. E. Robson ; 2, R. & S. Nicholson ; 3, T. Russell & Son.

Heifer, 2 years old—1 and 2, J. & W. B. Watt ; 3, T. E. Robson.

Heifer, 1 year old—1 and 2, J. & W. B. Watt ; 3, T. E. Robson.

Heifer calf, under 1 year—1, T. E. Robson, 2 and 3, H. Smith ; 4, R. & S. Nicholson ; 5, J. & W. B. Watt.

Heifer calf, calved after Feb. 1, 1898—1, Jas. I. Davidson & Son.

Four calves, under 1 year, bred and owned by exhibitor—1, H. Smith ; 2, J. & W. B. Watt ; 3, Jas. I. Davidson & Son.

Herd of 1 bull and 4 females, over one year old, owned by exhibitor—1, T. E. Robson ; 2, J. & W. B. Watt ; 3, T. Russell & Son.

Herd of 1 bull and 4 females, under 2 years of age, recorded in Dominion Shorthorn Herd Book—1, J. & W. B. Watt.

Female of any age—1, T. E. Robson (Mysie's Rose).

Judges : J. I. Hobson, Mosboro ; A. W. Smith, Maple Lodge.

HEREFORDS.

The exhibitors of the white faces were three in number, viz., H. D. Smith, Compton, Que. ; F. W. Stone Estate, Guelph ; and A. Stone, Guelph. H. D. Smith carried off the bulk of the prizes. His well-known aged bull, Amos of Ingleside, which was brought out in the pink of perfection, was an easy winner in his class and also of the sweepstakes. Mr. Smith's yearling imported bull was also a very promising one. In aged cows this exhibitor was invincible, winning 1st with Spot 3rd, and 2nd with Sylvan 3rd of Ingleside, her daughter, two cows so nearly equal that the judges had some difficulty in deciding which to put first. In fact, when deciding the sweepstakes they took another look over them to be sure that they had done right in giving the older cow the advantage. The two three-year-old cows shown by Mr. Smith, which won 1st and 2nd, were the homebred Jessie of Ingleside and imported Duxmoor, the former a low-set animal, rather patchy at the tail head, the other a sweet, smaller beast. Two very nice imported two-year-old heifers won the red and blue ribbons for Mr. Smith and he also had the 1st prize yearling, 1st for herds, and 1st for best female with Spot 3rd.

The Stone Estate had several entries and won 2nd on aged and 1st and 2nd on two-year-old bulls. They also had the two best bull calves, Picture 27th and Hazel Duke, two promising youngsters. Their yearling heifer, Ione, beat one of Mr. Smith's entries for 2nd place. She was a little thick in the hide, but had a capital body even in the thin state in which she was shown. First for heifer calves also fell to the Stone Estate for Duchess of Moreton 22nd, who was a clear winner over the Compton herd's entry. A. Stone won a couple of prizes.

Awards.

Bull, 3 years old and upwards—1, H. D. Smith, Compton, Que. ; 2, The F. W. Stone estate, Guelph ; 3, A. Stone, Guelph.

Bull, 2 years old—1 and 2, F. W. Stone estate.

Bull, 1 year old—1, H. D. Smith ; 2, A. Stone.

Bull calf, under one year—1 and 2, F. W. Stone estate ; 3, H. D. Smith.

Bull of any age—1, H. D. Smith. (Amos of Ingleside).

Cow, 4 years old and upwards—1 and 2, H. D. Smith ; 3, F. W. Stone estate.

Cow, 3 years old—1 and 2, H. D. Smith.

Heifer, 2 years old—1 and 2, H. D. Smith ; 3, F. W. Stone estate.

Heifer, 1 year old—1 and 3, H. D. Smith ; 2, F. W. Stone estate.

Heifer calf, under 1 year—1, F. W. Stone estate ; 2, H. D. Smith.

Herd, consisting of one bull and four females over 1 year old, owned by exhibitor—1 and 2, H. D. Smith ; 3, F. W. Stone estate.

Female, of any age—1, H. D. Smith (Spot 3rd).

Judges—G. de W. Green, Toronto ; Albin Rawlings, Forest.

POLLRD-ANGUS.

This breed had a good average representation, each of the three exhibitors having a good number of entries. The aged bull class contained three animals, the same number and the same animals as were on hand last year, but the decisions went differently, Walter Hall's Lucretius now having to take 2nd place to J. Bowman's Kyma's Heir, while Messrs. Stewart's Oxford King came third, as in 1897. Kyma's Heir is a fine, level, smooth bull, and was preferred by the judges to Lucretius, as the latter, though of wonderful substance, is beginning to show his age in his back. Walter Hall had the only yearling bull out, a very fair son of Royal Blackbird. The eight bull calves shown were of various ages, ranging from quite small to large. Jas. Bowman was successful in winning both 1st and 3rd, while a son of Lucretius, out of Lady Aberdeen, Walter Hall's 3rd prize three-year-old cow, was 2nd. Bowman had an easy victory for the sweepstakes for bulls. In aged cows the old-time winner, Kyma 2nd, shown by Jas. Bowman, was not in the select list, but the same exhibitor's Kyma of Tweedhill was good enough for 1st place, while Newtona 2nd and Lady Aberdeen carried 2nd and 3rd for the Washington herd. This herd had also the 1st prize three-year-old and 1st and 2nd prize yearling heifers, as well as the 1st prize heifer calf, and also won the 1st herd prize and the sweepstakes for females, the latter with their three-year-old heifer, Newtona's Favorite. Jas. Bowman's three-year-old heifer came in 3rd, while in two-year-olds this exhibitor's two entries, Kyma 4th and College Bloom, were 2nd and 3rd respectively. His heifer calves also occupied the same positions in the prize list, and he had the second best herd. W. Stewart & Son's Lady Bate of Metcalf carried off the blue ribbon in the three-year-old section, and another entry of theirs, Miss Mary of Willow Grove, was still more successful in the class for two years old, winning first over Jas. Bowman's two heifers.

Awards.

Bull, 3 years old and upwards—1, James Bowman, Guelph, 2, Walter Hall, Washington ; 3, Wm. Stewart & Son, Lucasville.

Bull, 1 year old—1, Walter Hall.

Bull calf, under 1 year—1 and 3, J. Bowman ; 2, Walter Hall.

Bull, of any age—1, J. Bowman (Kyma's Heir).

Cow, 4 years old and upwards—1, J. Bowman, 2 and 3, Walter Hall.

Cow, 3 years old—1, Walter Hall ; 2, W. Stewart & Son ; 3, J. Bowman.

Heifer, 2 years old—1, W. Stewart & Son ; 2 and 3, J. Bowman.

Heifer, 1 year old—1 and 2, Walter Hall ; 3, J. Bowman.

Heifer calf, under 1 year—1, W. Hall ; 2 and 3, J. Bowman.

Herd, consisting of 1 bull and four females, over one year old, owned by exhibitor—1, W. Hall ; 2, J. Bowman ; 3, Wm. Stewart & Son.

Female, of any age—1, W. Hall (Newtona's Favorite).

Judges : Jas. Smith, Brantford ; Wm. McCrae, Guelph.

DEVONS.

W. J. Rudd, as in former years, was the sole exhibitor of Devons. The prizes he won are given in the prize list subjoined.

Awards.

Bull, 3 years old and upwards—1, W. J. Rudd, Eden Mills.

Bull, 2 years old—1, W. J. Rudd.

Bull, 1 year old—1, W. J. Rudd.

Bull calf, under one year—1 and 2, W. J. Rudd.

Bull of any age—1, W. J. Rudd (Indiar Chief).

Cow, 4 years old and upward—1 and 2, W. J. Rudd.

Cow, 3 years old—1 and 3, W. J. Rudd.

Heifer, 2 years old—1 and 2, W. J. Rudd.

Heifer, 1 year old—1, W. J. Rudd.

Heifer calf, under 1 year—1, W. J. Rudd.

Herd, consisting of one bull and four females over 1 year old, owned by exhibitor—1, W. J. Rudd.

Female, of any age—1, W. J. Rudd, (Fanny 3rd).

Judges : G. de W. Green, Toronto ; Albin Rawlings, Forest.

GALLOWAYS.

The Galloway class was very nicely filled, and, while the older bull sections were, perhaps, somewhat light, yet the females were certainly much above the average.

Three aged bulls were out. John Sibbald's Pacific, a straight, even bull, was chosen for 1st place. He is of Keough's breeding, but seemed to us hardly enough of the Galloway type. A. M. & R. Shaw came 2nd with their well-known MacCartney, who looked as well as ever. D. McCrae's Canadian Borderer, now in his eighth year, and who won 1st and sweepstakes last year here, had to take 3rd honors, although he was in decidedly better shape on his feet, and in every way, than he was in 1897. Two two-year-olds were out. D. McCrae had the winner, Alpha S., out of Countess of Glencairn 3rd, while John Sibbald's Scottie, who has the look of a bull to improve, came next. T. Lloyd-Jones & Sons, although new exhibitors, came to the fore in the yearling class with College Gambler, a purchase from the Ontario Agricultural College, Guelph, and a very promising one withal. D. McCrae's Denmark made a good 2nd. Bull calves were a good lot. D. McCrae's youngest entry scored 1st, and a well-grown one of Messrs. Shaw's 2nd. The sweepstakes for bulls fell rightly to Messrs. Lloyd-Jones.

There were a grand lot of aged cows forward. John Sibbald's old-time winner, Countess of Glencairn 3rd, could not be denied the red ribbon, and the same owner's Margery 3rd came next, with the Brantford herd's Rheta McErin 3rd in order. Three-year-olds were three in number. They were headed by D. McCrae's Adala of Flamboro, a particularly good, even cow, with a good shoulder and loins and typical head. John Sibbald had the 2nd prize-winner in Lucille of Travestine 5th, with College Bright Eyes, shown by D. McCrae, 3rd. The latter exhibitor also won 1st and 3rd for two-year-olds, the 1st prize one Semiramis 29th, an animal with a splendid coat of hair and excellent conformation. She gave a good account of herself afterwards by winning the sweepstakes away from Countess Glencairn 3rd. The Guelph herd was also victorious in the yearling and calf classes and for the herd prize. The full list of prize-winners will be found below.

Awards.

Bull, 3 years old and upwards—1, John Sibbald, Arman ; 2, A. M. & R. Shaw, Brantford ; 3, D. McCrae, Guelph.

Bull, 2 years old—1, D. McCrae ; 2, John Sibbald.

Bull, 1 year old—1, T. Lloyd-Jones & Sons, Burford ; 2, D. McCrae.

Bull calf, under 1 year—1 and 3, D. McCrae ; 2, A. M. & R. Shaw.

Bull of any age—T. Lloyd-Jones & Sons (College Gambler).

Cow, 4 years old and upwards—1 and 2, J. Sibbald ; 3, A. M. & R. Shaw.

Cow, 3 years old—1 and 3, D. McCrae ; 2, J. Sibbald.

Heifer, 2 years old—1 and 3, D. McCrae ; 2, A. M. & R. Shaw.

Heifer, 1 year old—1, D. McCrae ; 2, T. Lloyd-Jones & Sons ; 3, A. M. & R. Shaw.

Heifer calf, under 1 year—1 and 2, D. McCrae ; 3, A. M. & R. Shaw.

Herd of 1 bull and 4 females—1, D. McCrae ; 2, J. Sibbald ; 3, A. M. & R. Shaw.

Female of any age—1, D. McCrae (Semi-ramis 29th).

Judges: James Smith, Brantford; Wm. McCrae, Guelph.

FAT CATTLE.

Not for some years has there been seen at this show such an excellent array of fat cattle as faced the judges. Not only were they good individually, but every section was well filled. Three good red three-year old steers were out. Brown & Robson, Ayr, won 1st and 3rd, and Jas. Oke, Alvinston, 2nd. The whites carried all before them in the two-year-old class, all three winners being of that color. A Polled-Angus showed by Walter Hall, Washington, which the judges declared the best one they ever handled, carried 1st honors in the yearling steer class, James Leask's roan and Harry Smith's white being placed 2nd and 3rd respectively. James Leask had a rare, good red steer calf, a son of Morey-fuffel Lad, which stood 1st in the calf section. In the section for cows or heifers, four years old and over, a very smooth Polled-Angus grade cow shown by James Bowman, Guelph, secured the red ribbon, followed by a really good Devon cow in capital order owned by W. J. Rudd, Eden Mills, while John Sibbald's Galloway, a good one, was 3rd. There was a very close fight for 1st place between James Leask's three-year-old roan heifer, a freemartin daughter of Moneyfuffel Lad, and J. Fried & Sons' dark roan. Eventually the former carried the day, being better in the back. Seven pairs of fine fat cattle (not shown in any other section) faced the judges, who were a very long time in coming to a decision, and not until J. C. Snell was called in to assist could they agree on the prize-winners, when 1st prize was rightly sent to a pair of white steers exhibited by J. R. Snyder, Woodbridge, one of which was certainly the best steer in the show. James Leask's pair came next, with Thos. Russell & Son's entry 3rd, and a smaller steer and heifer, shown by Mat. Wilson, 4th.

Awards.

Fat ox or steer, 3 years old and over—1 and 3, Brown and Robson, Ayr; 2, Jas. Oke, Alvinston.

Fat steer, 2 years old and under 3—1, Mat Wilson, Fergus; 2, James Leask, Greenbank; 3, Henry Smith, Hay.

Fat steer, 1 year old and under 2—1, Walter Hall, Washington; 2, James Leask; 3, Henry Smith.

Fat steer calf, under 1 year old—1, Jas. Leask; 2, J. Fried & Sons, Roseville; 3, Goodfellow Bros., Macville.

Fat cow or heifer, 4 years old and over—1, James Bowman, Guelph; 2, W. J. Rudd, Eden Mills; 3, John Sibbald, Annan.

Fat heifer, under 4 years old—1, Jas. Leask; 2, J. Fried & Sons; 3, Jas. Oke.

Pair of fat cattle of any age, not exhibited in other sections—1, J. R. Snyder, Woodbridge; 2, Jas. Leask; 3, Thos. Russell & Son, Exeter; 4 (extra prize), Mat. Wilson.

Judges: W. H. Pug-ley, Richmond Hill; T. Russell, Exeter.

GRADE CATTLE.

While the show of grade cattle was not large, there were some very good ones forward. Jas. Leask, as usual, carried off a number of the prizes, including 1st and 2nd for aged cows, 1st for three-year-olds, 1st and 3rd for heifer calves, both good ones, 1st for herd of 4 females, and 1st for female of any age. Jas. Fried & Sons, Roseville, had a very nice two-year-old heifer with beautiful lines, which secured 1st in her section. Jas. Oke was successful in winning 2nd for yearling heifers with a thick red, and 3rd for cows four years old with a good dark roan. Goodfellow Bros., Macville, had a fine heifer calf which was placed 2nd in her class.

Awards.

Cow, 4 years old and upwards—1 and 2, James Leask, Greenbank; 3, James Oke, Alvinston.

Cow, 3 years old—1, James Leask.

Heifer, 2 years old—1, Jas. Fried & Sons, Roseville; 2, J. Leask.

Heifer, 1 year old—1, J. Fried & Sons; 2, J. Oke; 3, J. Leask.

Heifer calf, under 1 year—1 and 3, J. Leask; 2, Goodfellow Bros., Macville.

Four females, over 1 year old, property of exhibitor, and not entered in any other class—1, J. Leask; 2, J. Oke.

Female, of any age—1, J. Leask.

Judges: J. I. Hobson, Moshoro; T. E. Robson, Ilderton.

DAIRY CATTLE.

With the single exception of that for Holsteins, all the classes for dairy breeds were very well filled, and with cattle above the average. There was a wonderful show of Jerseys and Ayrshires, and the judging in these classes was watched with keen interest by the admirers of those breeds, who, undismayed by the terrific heat of the sun which streamed down on the unprotected cattle ring on Friday of the first week, stood for hours in defiance of its burning rays.

This year a new departure was made in judging the herds first in the dairy classes. Then the cows were brought out, and all the female sections were passed on before the bull sections were touched. The results seemed to be satisfactory, and it is certainly a great thing for the exhibitors, as it enabled them to get their milk cows milked as soon as the judging was over, without having to wait for the prizes in the bull sections to be decided.

JERSEYS.

Never before was such an exhibit of Jerseys seen on the grounds, and Norton, Miller & Sibley's representative at the show stated in the most positive manner that he had never seen a better display at any show he had attended, and he has attended plenty, and ought to know whereof he speaks. Animals which won here a few years ago would have had no place this year. The judges, G. V. Green, Hopkinsville, Ky., and Prof. Day, of Guelph, had by no means an enviable task before them, and, if they occasionally failed to suit the opinion of the onlookers, it was evidently not for the want of care taken in adjudicating on the animals, as they gave each one most careful consideration.

Aged bulls were five in number, varying somewhat as regards type, but, nevertheless, there was not a bad one among them. R. B. Smith's Belvoir King, a grandson of Belvoir Pet, was chosen for first honors. This bull stood 2nd last year to Miller & Sibley's 200, and the knowing ones round the ring had scarcely expected him to be any higher at this show. Miller & Sibley's Ida's Champion Kieter, a bull of good dairy type, was put 2nd, with Messrs. Smith of Highfield's Jack of Meadow View 3rd, and Robert Davies' handsome Distinction's Golden 4th. Quite a number had expected this bull to stand higher. Among the two-year-olds, Hanmer & Son's Hanmer's Stoke Pogis was looked upon as a sure winner, his success in the yearling class last year being well known. He did not get above second place, however, being beaten by W. E. H. Massey's Lord Dentonia (Imp.), a pretty bull, built much after the model of Distinction's Golden. B. H. Bull & Son had the 3rd prize winner in Peel's Bonanza, by Yankee's Pogis, fourth place being sent to R. Gibson's Pello of Snelgrove. There was a pretty ring of yearling bulls. A dark-colored, imported bull, Brampton Monarch, won 1st honors for Messrs. Bull, Koswin of St. Lambert, Miller & Sibley's entry, was favored by some for 1st place, while Messrs. Smith's Prince of Highfield was also a strong competitor. These two won 2nd and 3rd respectively, with J. McKay's Exile of Elmbank 4th. Bull calves formed a very strong section, there being seventeen present, nearly all of them good ones. Miller & Sibley came out strong, winning 1st and 2nd with Counsellor of Prospect and Prospect's Aaron Pogis. W. E. H. Massey's Baron of Dentonia carried third honors, while a calf of very nice quality, shown by Jas. McKay, had to be content with fourth place. The sweepstakes for bulls was

captured by Messrs. Bull's Brampton Monarch.

It would be hard, indeed, to beat the ring of aged cows, sixteen in number, which faced the judges. A great favorite with those round the ring was Robt. Davies' Crocus Bud, a cow of splendid conformation and having a magnificent udder, and the contest for 1st place lay between her and E. N. Fleming's Manor Lass 2nd, a grand cow with a very fine display of milk vessels. After long deliberation the judges sent the red ribbon to Manor Lass 2nd, Crocus Bud taking 2nd, and Phenomenon of Dentonia and Brilliant of Dentonia, both shown by W. H. Massey, 3rd and 4th. The very large number of fifteen three-year-old cows were entered, and a very nice lot they were. Miller & Sibley's Spelling School won first, with J. H. Smith & Son's Bessy of Highfield 2nd, while the Coleman herd's representative, imported Island Lady of Dentonia, had to be satisfied with 3rd, much to the surprise of her admirers, who thought that her good udder and width behind should have carried her up higher. Robt. Davies' Glenfield came 4th.

In a ring of eleven nice two-year-olds Miller & Sibley's Ceres of Prospect proved an easy winner; the Coleman herd took the three other prizes. Yearlings were rather an uneven lot. Messrs. Hanmer had the best one, and justly earned the red ticket. The Brampton herd won 2nd and 3rd, and W. E. H. Massey's Tister Dot of Dentonia stood 4th. There were eleven calves between six and twelve months old to choose from, and twelve under six months. In the first-named section Miller & Sibley came to the front, with W. E. Massey 2nd and 4th and the Brampton herd 3rd. Robt. Davies cleared the decks in the younger section, winning 1st, 2nd and 3rd prizes, while the Coleman herd came 4th. Miller & Sibley won 1st for four animals the progeny of one bull and for four calves under one year old bred and owned by exhibitor. B. H. Bull & Son were 2nd in both sections. In the first-named section R. Gibson, Delaware, showed three females and a bull by Larocca, which were somehow overlooked by the judges, otherwise the decisions given might have been somewhat altered. The herd prizes went to W. E. H. Massey, Miller & Sibley, Robt. Davies, and B. H. Bull & Son, in the order named. For the sweepstakes prize for females Miller & Sibley showed Spelling School and Ceres of Prospect, and E. N. Fleming Manor Lass 2nd. The prize was rightly sent to the latter.

Awards.

Bull, 3 years old and upwards—1, R. B. Smith, Arkona; 2, Miller & Sibley, Franklin, Pa.; 3, J. H. Smith & Son, Highfield; 4, Robert Davies, Toronto.

Bull, 2 years old—1, W. E. H. Massey, Toronto; 2, D. G. Hanmer & Sons, Mt. Vernon; 3, B. H. Bull & Son, Brampton; 4, Richard Gibson, Delaware.

Bull, 1 year old—1, B. H. Bull & Son; 2, Miller & Sibley; 3, J. H. Smith & Son; 4, James M. McKay, Elmbank.

Bull calf, under 1 year—1 and 2, Miller & Sibley; 3, W. E. H. Massey; 4, J. M. McKay.

Bull, of any age—1, B. H. Bull & Son (Brampton Monarch).

Cow, 4 years old and upwards—1, E. N. Fleming, Toronto; 2, R. Davies; 3 and 4, W. E. H. Massey.

Cow, 3 years old—1, Miller & Sibley; 2, J. H. Smith & Son; 3, W. E. H. Massey; 4, Robert Davies.

Heifer, 2 years old—1, Miller & Sibley; 2, 3 and 4, W. E. H. Massey.

Heifer, 1 year old—1, D. G. Hanmer & Sons; 2 and 3, B. H. Bull & Son; 4, W. E. H. Massey.

Heifer calf, under 1 year—1, Miller & Sibley; 2 and 4, W. E. H. Massey; 3, B. H. Bull & Son.

Heifer calf, calved after February 1st, 1898—1, 2 and 3, Robert Davies; 4, W. E. H. Massey.

Four animals, the progeny of one bull, all bred and owned by exhibitor—1, Miller

Sibley; 2, B. H. Bull & Son; 3, J. H. Smith & Son; 4, S. Wicks & Son, Mt. Dennis.

Four calves, under 1 year, bred and owned by exhibitor—1, Miller & Sibley; 2, B. H. Bull & Son; 3, J. H. Smith & Son.

Herd, consisting of one bull and four females, over 1 year old, owned by exhibitor—1, W. E. H. Massey; 2, Miller & Sibley; 3, R. Davies; 4, B. H. Bull & Son.

Female of any age—1, E. N. Fleming (Manor Lass 2nd).

Judges: G. V. Green, Hopkinsville, Ky.; Prof. Day, Guelph.

GUERNSEYS.

There was a great improvement visible in the Guernsey class this year, the females especially being far above the average, notably the new importations of the Isaleigh Grange Farm. Although there were only two exhibitors yet they made a very creditable turnout, and we shall be surprised if the class is not greatly filled up next year.

J. W. Greenshields' Ontario Pride came out victorious in the aged bull class and also won the sweepstakes, although the same exhibitor's yearling bull, Masher 8th (imp.), was a favorite with several for the sweepstakes honors. Wm. Butler & Son's Prince of Sunny Springs was second in the aged class and some thought he should have won 1st honors, for he has a splendid skin and color. The same exhibitor had the only entry in the two-year-old class, a promising bull. 1st and 3rd in the calf class went to the Danville stables with Messrs. Butler's entry sandwiched in between.

Princess May 11th, J. W. Greenshields' imported cow, deservedly won premier honors in the aged cow section, and her companion Eliza C. came 3rd. Wm. Butler & Son's Tamarina, a cow of good style, was 2nd, leaving out her stable mate, Irene, which had not calved and consequently did not show off so well as in previous years. Queen of Sunny Springs and Phyllis Lassie carried respectively 1st and 3rd for the Dereham Centre herd, the former being of a nice color and having a shapely udder. The Isaleigh Grange Farm had a good one in imported Lillian, which won 2nd. Two-year-olds were good. Imported Friesia secured first honors for J. W. Greenshields and she was good enough to win the sweepstakes for females later on. W. Butler & Son got 2nd and 3rd. First for heifer calves under one year old fell to the Dereham herd and for those calved after Feb. 1st to J. W. Greenshields, the latter being of fine quality. The Danville herd won 1st for herd.

Awards.

Bull, 3 years old and upwards—1, J. W. Greenshields, Danville, Que.; 2, W. Butler & Son, Dereham Centre.

Bull, 2 years old—1, W. Butler & Son.

Bull, 1 year old—1, J. W. Greenshields.

Bull calf, under 1 year—1 and 3, J. W. Greenshields; 2, W. Butler & Son.

Bull, of any age—1, J. W. Greenshields (Ontario Pride).

Cow, 4 years old and upwards—1 and 3, J. W. Greenshields; 2, W. Butler & Son.

Cow, 3 years old—1 and 3, W. Butler & Son; 2, J. W. Greenshields.

Heifer, 2 years old—1, J. W. Greenshields; 2 and 3, W. Butler & Son.

Heifer, 1 year old—1, J. W. Greenshields; 2, W. Butler & Son.

Heifer calf, under 1 year old—1, W. Butler & Son; 2, J. W. Greenshields.

Heifer calf, calved after February 1st, 1898—1, J. W. Greenshields; 2 and 3, W. Butler & Son.

Herd of 1 bull and 4 females, over 1 year old, owned by exhibitor—1, J. W. Greenshields; 2, W. Butler & Son.

Female, of any age—1, J. W. Greenshields (Friesia).

Judges: G. V. Green, Hopkinsville, Ky.; Prof. Day, Guelph.

AYRSHIRES.

The exhibit of Ayrshires was simply grand, only one or two sections at most being at all weak. In addition to the usual Ontario ex-

hibitors there was present a strong representation from Quebec, the breeders from that province who exhibited being Robert Reford, St. Anne de Bellevue; Daniel Drummond, Petite Cote, and J. W. Greenshields, Danville.

Aged bulls were six in number, and a strong class. Robert Reford had Napoleon of Auchenbrain (Imp.), a lengthy bull of good dairy type, which at first sight gave one the idea of a little plainness; perhaps it was his somewhat undecided color which was responsible for the impression. A closer look over him, however, revealed his usefulness, and the judges thought enough of him to send him the red ticket. Second honors fell to Robert Davies' imported Oliver Twist of Bartheskie, a very smooth, level bull, perhaps a trifle short in the shoulder-blade. Jock Morton, Jas. McCormack & Sons' entry, who was looking very well in spite of his long and successful showyard career, was placed 3rd, while last year's prize-winner, D. Drummond's Kelso Boy, came 4th. The latter was sore on his feet, and did not show himself off well. When the four prizes were awarded there were still two good bulls unplaced. Of these, J. W. Greenshields' Matchless, a son of Glencairn 3rd, and out of Nelly Osborne, was generally expected to be well up in the prize list. He is a fine-looking bull, with a long, deep barrel, good skin, and well-developed teats, and was much thought of by many of the onlookers. Imported Prince of Bartheskie, shown by Alex. Hume & Co., Burnbrae, had a good frame, but was somewhat out of condition.

There were only four two-year-old bulls entered, this section being rather weak. Robt. Reford again scored with Royal Star of St. Anne's, a son of Glencairn 3rd. N. Dymont's Drummond was placed next, 3rd prize falling to W. Stewart & Son's Dainty Lad of Elm Shade; A. Hume & Co.'s White Chief of St. Anne's being 4th. There were just the same number of yearling bulls present. Here Robt. Davies' Duke of York 2nd (imp.), a bull of somewhat similar type to the same owner's 2nd prize aged bull, was given the red ribbon over Messrs. Stewart's Glencairn of Burnside, which was the choice of a good many, Andrew Nisbet's and Geo. Hill's entries standing 3rd and 4th. Twelve bull calves under a year old faced the judges, who selected Messrs. Stewart's Jock o' Hazeldean for premier honors, Daniel Drummond, Jas. McCormack & Sons, and W. M. & J. C. Smith being the other successful exhibitors. The section was a good one, as was that for calves under six months old, where the Menie herd also won the red ribbon, N. Dymont having the honor of securing 2nd and third place followed by Messrs. McCormack. Robt. Reford's aged bull was successful in winning the sweepstakes for bull of any age.

Aged cows made a splendid ring, fifteen being drawn up for inspection. After a careful survey the judges sent the red ribbon to Nora of Fairfield Mains, shown by J. W. Greenshields, a cow that has distinguished herself in the show ring in Scotland. Robt. Reford's Primrose of Holehouse had the honor of 2nd place, the yellow ribbon going to W. Stewart & Son's well-known Jean Armour, Daniel Drummond's Louisa of Burnside having to be content with 4th place. After all the prizes were awarded, a number of excellent cows were left out, including the veteran Nellie Osborne. Three-year-old cows were a very even lot, but there could be no criticism of the judges when 1st was given to Sensation of Rockton 4th, exhibited by Messrs. McCormack, 2nd to Daniel Drummond's Fairy of Burnside, 3rd to Messrs. Stewart's Moss Rose, and 4th to Robt. Reford's White Lady of St. Anne's.

There were a beautiful lot of two-year-old heifers forward. R. Reford had three very typical and uniform daughters of Glencairn 3rd. Of these Queen of St. Anne's and Snowdrop of St. Anne's secured 1st and 2nd places respectively. Messrs. Stewart's Lady Ottawa, a 1st prize winner at last year's Industrial, being placed 3rd, with an entry of Drummond's 4th. The Danville herd had a very pretty pair of heifers that had not yet calved

which were unplaced. Out of fifteen good yearling heifers 1st went to D. Drummond's Nellie Osborne 2nd, by Silver King out of Nellie Osborne. Messrs. Hume's 2nd entry, Snowflake, stood 2nd, while a daughter of Jock Morton with a nice udder captured 3rd for the Rockton herd, the Danville herd being 4th. Heifer calves under a year old were a hard class to judge, there being seventeen forward, all of good type. Robert Reford again came to the front, followed by Messrs. Hume, Geo. Hill and J. W. Greenshields in the order named.

There was a pretty ring of calves dropped after Feb. 1st. The first three prizes went to Quebec herds, J. W. Greenshields being 1st and Daniel Drummond 2nd and 3rd, while J. A. R. Anderson, Hamilton, secured 4th place with Barton Princess. Robert Reford was very successful in the next two sections, winning 1st both for four animals the get of one bull and for four calves bred and owned by exhibitor. Second place for the former section went to Daniel Drummond and for the latter to W. Stewart & Son. The St. Anne's herd won 1st and 4th for herds with Daniel Drummond and W. Stewart & Son 2nd and 3rd. The sweepstakes for females was awarded to Nurah of Fairfield Mains, J. W. Greenshields' imported cow.

Awards.

Bull, 3 years old and upward—1, Robt. Reford, St. Anne de Bellevue, Que.; 2, Robert Davies, Toronto; 3, Jas. McCormack & Sons, Rockton; 4, Daniel Drummond, Petit Cote, Que.

Bull, 2 years old—1, R. Reford; 2, N. Dymont, Clappison's Corners; 3, W. Stewart & Son, Menie; 4, Alex. Hume & Co., Burnbrae.

Bull, 1 year old—1, R. Davies; 2, W. Stewart & Son; 3, Andrew H. Nisbet, Troy; 4, Geo. Hill, Delaware.

Bull calf, under 1 year—1, W. Stewart & Son; 2, D. Drummond; 3, J. McCormack & Sons; 4, W. M. & J. C. Smith, Fairfield Plains.

Bull calf, calved after February 1, 1898—1, W. Stewart & Son; 2 and 3, N. Dymont; 4, J. McCormack & Sons.

Bull of any age—1, Robert Reford (Napoleon of Auchenbrain).

Cow, 4 years old and upwards—1, J. W. Greenshields, Danville, Que.; 2, R. Reford; 3, W. Stewart & Son; 4, D. Drummond.

Cow, 3 years old—1, J. McCormack & Sons; 2, D. Drummond; 3, W. Stewart & Son; 4, Robt. Reford.

Heifer, 2 years old—1 and 2, R. Reford; 3, W. Stewart & Son; 4, D. Drummond.

Heifer, 1 year old—1, D. Drummond; 2, Alex. Hume & Co.; 3, J. McCormack & Son; 4, J. W. Greenshields.

Heifer calf, under 1 year old—1, R. Reford; 2, Alex. Hume & Co.; 3, George Hill; 4, J. W. Greenshields.

Heifer calf, calved after February 1, 1898—1, J. W. Greenshields; 2 and 3, D. Drummond; 4, J. A. R. Anderson, Hamilton.

Four animals, the progeny of one bull, all bred and owned by the exhibitor—1 and 4, R. Reford; 2, D. Drummond; 3, J. McCormack.

Four calves, under 1 year, bred and owned by exhibitor—1, R. Reford; 2, W. Stewart & Son; 3, D. Drummond; 4, Alex. Hume and Co.

Herd, consisting of 1 bull and four females, over 1 year old, owned by exhibitor—1 and 4, R. Reford; 2, D. Drummond; 3, W. Stewart and Son.

Female of any age—1, J. W. Greenshields (Nora of Fairfield Mains).

Judges: D. Benning, Williamstown; Alf. Kains, Byron.

HOLSTEINS.

There was a falling off in numbers of the Holsteins exhibited, and it seemed to us that the quality was scarcely up to the average. There were plenty of good animals forward, however, to make a fine display.

G. W. Clemons' aged bull, Count Mink Mercedes, who stood 2nd last year to Messrs. Stevens' entry, proved invincible in his class,

beating Messrs. Rice's Filigree's Clothilde Lincoln. He also secured the sweepstakes bulls. In 2-year-olds James Rettie, Norwich, a new exhibitor, had the honor of beating G. W. Clemons' Colanthus Abbekirk 2nd with that bull's half-brother, Abbekirk Prince 2nd, a bull with good veins and escutcheon, and very smooth. Yearling bulls were seven in number. The winners of the 1st and 2nd prizes were two bulls nearly white in color, the first owned by Messrs. Rice and the second by Messrs. Ellis. A. C. Hallman's two entries were 3rd and 4th. Messrs. Gilroy had a neat, smooth calf of good length, Maple Glen Sylvia's Prince, which earned premier honors in his class, while James Rettie again scored, winning 2nd with Worthemall 3rd's Sir Pieterje. A daughter of Calamity Jane, shown by Messrs. Rice, was 3rd, and the same exhibitors also won 4th.

A round dozen of good cows, many of them well known in the show and prize rings, came forward. The prizes were sent to Gilroy's Iona J. 2nd and Carmen Sylvia, to Clemons' Cornelia Artis, and to Rice's Calamity Jane. The decisions somewhat surprised the on-lookers, who had looked for either Calamity Jane or Carmen Sylvia (the latter of whom was dry) to take 1st place. Calamity Jane's udder was in very good shape, considering the time she had been in milk. James Rettie's 3-year-old cow, Artis Peer's Poem, who carried a nice udder, was selected for 1st place, Messrs. Gilroy, Rice and Clemons following in the order named. Empress Josephine de Kol, a cow with a good reputation as a milker, won 1st for G. W. Clemons in the two-year-old class. Messrs. Gilroy's Witzde Sjur's Queen captured the blue ribbon, while Daisy Texal 2nd, who won 1st as a yearling last year, got no higher than 3rd place, Wm. James' Queenie Rookie's Mina coming in 4th. C. J. Gilroy & Son had a very promising yearling in Gillyflower 2nd, which won 2nd last year, and now stood 1st. Messrs. Rice came in 2nd and 3rd with Pauline Mercedes' Jewel and Marie, while G. W. Clemons' Lena Josephine de Kol occupied the same place as she did last year as a calf. Heifer calves under one year were a very promising lot, and gave the judges considerable trouble before they placed the winners. This section was the best one in the female sections, except the aged cow one. A daughter of Messrs. Gilroy's 1st prize aged cow, Iona J. 2nd, came in 1st, with two of Mr. Clemons' 2nd and 3rd, and an entry of James Rettie's 4th. G. W. Clemons was successful in the young calf class, winning 1st and 3rd, Messrs. Rice and Rettie being 2nd and 4th respectively. Messrs. Gilroy won 1st for four animals the progeny of one bull, and G. W. Clemons secured 1st for herds. The sweepstakes for females went to James Rettie's three-year old, Artis Peer's Poem.

Heifers.

Bull, 3 years old and upwards—1, G. W. Clemons, St. George; 2, A. & G. Rice, Currie's Crossing.

Bull, 2 years old—1, James Rettie, Norwich; 2, G. W. Clemons.

Bull, 1 year old—1, A. & G. Rice; 2, Ellis Bros., Bedford Park; 3 and 4, A. C. Hallman, New Dundee.

Bull calf, under 1 year—1, C. J. Gilroy & Son, Glen Buell; 2, Jas. Rettie; 3 and 4, A. & G. Rice.

Bull, of any age—G. W. Clemons (Count Mink Mercedes).

Cow, 4 years old and upwards—1 and 2, C. J. Gilroy & Son, Glen Buell; 3, G. W. Clemons; 4, A. & G. Rice.

Cow, 3 years old—1, J. Rettie; 2, C. J. Gilroy & Son; 3, A. & G. Rice; 4, G. W. Clemons.

Heifer, 2 years old—1, G. W. Clemons; 2, C. J. Gilroy & Son; 3, A. & G. Rice; 4, Wm. James, Oakwood.

Heifer, 1 year old—1, C. J. Gilroy & Son; 2 and 3, A. & G. Rice; 4, G. W. Clemons.

Heifer calf, under 1 year—1, C. J. Gilroy & Son; 2 and 3, G. W. Clemons; 4, J. Rettie.

Heifer calf, calved after February 1st, 1898

—1 and 3, G. W. Clemons; 2, A. & G. Rice; 4, J. Rettie.

Four animals, the progeny of one bull, all bred and owned by exhibitor—1, C. J. Gilroy & Son; 2, G. W. Clemons; 3, A. & G. Rice; 4, Ellis Bros.

Herd of one bull and four females, over 1 year old, owned by exhibitor—1, G. W. Clemons; 2, A. & G. Rice; 3, C. J. Gilroy & Son; 4, Ellis Bros.

Female of any age 1, J. Rettie (Artis Peer's Poem).

Judges: Edgar Huidekoper, Meadville, Pa.; Wm. Suhring, Sebringville

RESULTS OF THE MILK TEST.

This test was open to all purebred cows and extended over two days or forty-eight hours. No ration, fed to the cows were con-

Ord. of merit	Name of cow	Breed.	Owner.	Address.	Milk.		Solids not fat	Total solids.	Awards.
					lb.	lb.			
1	Daisy Banks	Holstein	J. Rettie	Norwich	125.75	3.5677	11.137	14.7047	First.
2	Empress Lada	Holstein	Ellis Bros.	Bedford Park	117.	3.3627	9.8263	13.232	Second.
3	Inka Sylvia	Holstein	C. J. Gilroy & Son	Glen Buell	111.	3.6317	9.3222	12.9579	Third.
4	Winnie Win	Holstein	A. & G. Rice	Currie's	99.	3.1877	9.1222	12.5699	
5	Inka Rosa	Holstein	G. W. Clemons	St. George	107.	3.0722	9.1102	12.2121	
6	Nellie Grey	Ayrshire	N. Diment	Clappison's Corners	80.75	3.071	7.562	10.7812	

Sheep, Swine and Poultry reports next issue.

THE DAIRY BUILDING.

In some respects the exhibits in the dairy building excelled those of other years. There was a fine display of dairy apparatus and machinery of all kinds, the best that has ever been seen at the Industrial Fair. But there was not as much cheese and butter on exhibition as last year. There were upwards of 100 cheeses less than last year, and the quantity of dairy farmers' butter was smaller. The exhibit of creamery butter was about the same as last year.

CHEESE.

Not only was the quantity of cheese exhibited smaller than last year, but the quality was inferior as well. In fact, the judge, who is an exporter, in making his report stated that he believed, on the whole, the quality of the cheese made in factories during the present season was not equal to what it was three or four years ago, or, in other words, the cheesemakers instead of improving had been receding. Of course, there are sections and individual factories where great advancement has been made, but, taking the factories as a whole, they have not made the advancement they should have done along the line of improvement in the quality of the product. This is to be regretted, and we trust that everyone connected with the industry from the patron to the maker will take warning and not rest till the very highest point of excellence is reached. The trouble seems to be that our dairymen are too confident and are relying too much upon their reputation. Then, again, we do not believe that one-quarter of the patrons take the care of the milk they should. They expect a maker to make a first-class article out of an inferior quality of milk.

The chief fault with the cheese shown this year was in the flavor. In the whole exhibit of 300 cheeses it was the exception to find a cheese with anything near a perfect flavor. This may be due to the makers receiving poor milk on account of the hot weather prevalent when the exhibition cheese was made. The quality and texture were better than the flavor, but even these in many instances were very poor. The point in which the exhibit excelled was in finish. There has been a gradual improvement in this respect during recent years, and the cheeses on exhibition this year were the best we have ever seen. The following is a list of the awards:

Sec. 1, June and July colored—1, J. S. Isard, Williscroft, Ont.; 2, W. A. McLaren, Avening; 3, W. A. Smith, Dorchester; 4, J. S. Isard, Paisley; 5, Frank Boyes, Niles-town; 6, Geo. A. Boyes, Mapleton.

Sec. 2, June and July white—1, M. Morrison, Harrison; 2, Mary Morrison, Newry; 3, J. S. Isard, Williscroft; 4, W. A. Mc-

sidered, and all animals competing stood in the open stalls in full view of the public. The test was conducted by Professor Day, of the Ontario College. The prizes consisted of \$100, donated by the Canadian Holstein-Friesian Association, and \$50 given by the Industrial Fair. The American Holstein-Friesian Association also donated \$40 to be given to the two best cows in the test, provided such prize-winners are registered in the American H. F. Herd Book.

The competition was not so keen as last year, and one or two cows that were at the top last year were down in the scale this year. On the whole the records made were about the same as last year. Only six cows stayed in the test to the last and these were all Holsteins but one, an Ayrshire. Similar to last year the Holsteins carried off all the prizes. The following is a tabulated statement of the results:

Ord. of merit	Name of cow	Breed.	Owner.	Address.	Milk.		Solids not fat	Total solids.	Awards.
					lb.	lb.			
1	Daisy Banks	Holstein	J. Rettie	Norwich	125.75	3.5677	11.137	14.7047	First.
2	Empress Lada	Holstein	Ellis Bros.	Bedford Park	117.	3.3627	9.8263	13.232	Second.
3	Inka Sylvia	Holstein	C. J. Gilroy & Son	Glen Buell	111.	3.6317	9.3222	12.9579	Third.
4	Winnie Win	Holstein	A. & G. Rice	Currie's	99.	3.1877	9.1222	12.5699	
5	Inka Rosa	Holstein	G. W. Clemons	St. George	107.	3.0722	9.1102	12.2121	
6	Nellie Grey	Ayrshire	N. Diment	Clappison's Corners	80.75	3.071	7.562	10.7812	

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Laren, Avening; 5, I. S. Isard, Williscroft; 6, W. D. Angus, Attwood.

Sec. 3, August colored—1, J. S. Isard, Williscroft; 2, J. S. Isard, Paisley; 3, W. P. Stacey, Tecumseh; 4, Thos. Stevens, Proton Station; 5, W. A. McLaren, Avening; 6, James McKellar, Tiverton.

Sec. 4, August white—1, W. B. Thompson, Nile; 2, Thomas Stacey, Fullarton; 3, J. S. Isard, Paisley; 4, K. H. Green, Walton; 5, G. J. Immel, Underwood; 6, J. S. Isard, Williscroft.

Sec. 5, Stilton—1, R. Curzon, Guelph; 2, Mary Morrison, Newry; 3, W. F. Gerrow, Napanee.

Colman's Salt, special prize—1, I. L. Thompson, Hawkesville; 2, W. T. Atkinson, Kintore; 3, A. Chalmers, Monkton; 4, R. W. Thompson, Springbank.

Gold Medal given by the Windsor Salt Works—Awarded to A. T. Clark, Poole, Ont.

BUTTER.

The quality of the creamery butter was good, though there is room for a much larger exhibit in this line. The exhibits are not as wide-spread as they might be. Of the 100 or so creameries in the province only comparatively few make an exhibit, and these, as a rule, are confined to the same ones every year. The exhibit of farmers' dairy was about one-half what it was a year ago. There was, however, a more uniform and better quality of product this year, which is gratifying, as it shows that the dairy schools, farmers' institutes, dairy associations, etc., are doing effective work. The awards in the butter classes are as follows:

Sec. 7, Creamery tubs or boxes—1, Isaac Wenger, Ayton; 2, Aaron Wenger, Ayton; 3, Fred Smith, Gore Bay; 4, E. Kingsbury, Whittington; 5, John McQuaker, Owen Sound; 6, James Ireland, Beachville.

Sec. 8, Creamery rolls or fruit—1, I. Wenger, Ayton; 2, Geo. Baskerville, Lafontaine; 3, Aaron Wenger; 4, Chesley Creamery Co., Chesley; 5, Ballantyne; 6, J. Stonehouse, St. Mary's.

Section 9, Creamery packages containing not more than 10 lbs. each—1, I. Wenger; 2, Chesley Creamery Co.; 3, A. Wenger; 4, John McQuaker; 5, F. W. Crealy, Van-neck.

Section 10, Farm dairy tubs—1, J. A. Watson, Eden Mills; 2, A. Hutton, Brampton; 3, A. Elliott & Son, Galt; 4, Henry Berry, Elmwood; 5, I. D. Malcolm, Sheffield; 6, Carl Holm, Moloka.

Section 11, Farm dairy firkins, crocks or tubs—1, J. D. Malcolm; 2, Mrs. W. D. Dolson, Alva; 3, J. A. Watson; 4, Duncan

Stewart, Hamstead; 75, Carl Holm; 6, Henry Berry.

Section 12, Farm dairy prints or rolls—1, J. A. Watson; 2, Mrs. M. Benthan, Flesher-ton; 2, Duncan Stewart; 4, Charles Grant, Thornbury; 5, Mr. Wm. Dolson; 6, Mrs. W. C. Shearer, Bright.

DAIRY APPLIANCES.

This exhibit, as we have previously stated, was the best we have ever seen at any fair in Canada. All the latest contrivances and improvements in creamery and cheese factory equipment were on exhibition. Richardson & Webster, St. Mary's, Ont., made a fine display of cream vats, cheese presses, the American and Reid separators, etc. Among the special features of this firm's exhibit may be mentioned the turbine milk tester. This fine running machine has ball bearings, and has steam turned on below the compartment where the milk is tested. They also show a new butter printer, which prints 10 pounds at one time and which should prove advantageous to large creameries.

Another excellent display was made by R. A. Lister & Co., of Montreal. It consisted of Alexandra separators, pasteurizers, etc. The feature of this exhibit that attracted most attention was the Melotte separator. This handy farm separator was patented in Belgium in 1888, and has a hanging bowl. It is easy running, easily kept clean, and no oil wastes in any way. Another exhibit of this firm worthy of special mention is a pasteurizer with a capacity of 4,000 lbs. per hour. The milk remains in it for from seven to eight minutes, and every particle of it is thoroughly heated. It is used exclusively in Denmark and Sweden. Recently this firm sold two of these machines to Croil & McCullough, of Montreal.

The Canadian Dairy Supply Co., of Montreal, had on exhibition the well-known De Laval separators. Their little humming-bird separators attracted considerable attention. It has a capacity of 200 lbs. per hour, and sells for \$65. The turbine De Laval separator was also an interesting feature. In connection with this firm's exhibit was that of Nelson Buzzell & Co., Cowansville, Que. The single and double cream vats, churns, etc., shown by this firm made one of the most attractive exhibits in the dairy building.

The Vermont Farm Machine Co., of Bellows Falls, Vt., made an exhibit of the United States separators. These separators are known for the thoroughness of their work.

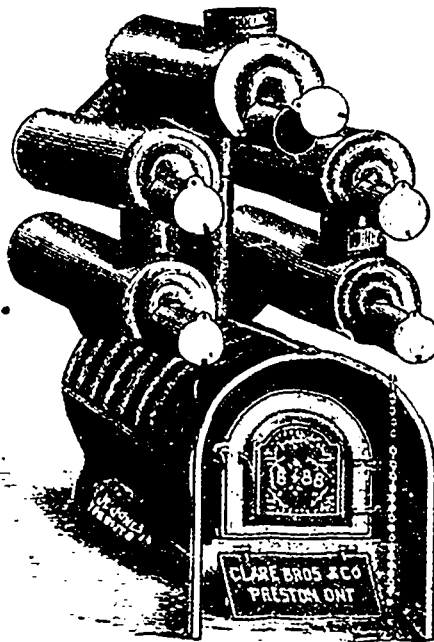
The Handy Washing Machine and Butter cup Churn were shown by F. Sandford, Fenelon Falls, Ont.

Harvie & Co., Toronto, had a large display of their Arctic Butter Box.

Outside of the Dairy Building in a tent were the exhibits of Jno. S. Pearce & Co., London, and the Northey Manufacturing Co., Toronto. The former had on exhibition the New Ideal Canadian and Springer Separators, and the latter their Gasoline Engine. This engine is specially adapted for general farm use and for running cream separators. It is safe, durable, and requires little attention.

BETTER QUARTERS NEEDED FOR THE DAIRY DISPLAY.

The report of the exhibits in the dairy building would be incomplete did we fail to enter a protest against the accommodation provided for dairy products. On all sides there were protests from visitors, and we are sure that, if the Exhibition Association heard one-half of the complaints that we heard from dairymen, they would not hesitate one moment in adopting plans to have an up-to-date and suitable place built in a central locality on the grounds for the dairy exhibits. Unless something is done very soon we are very much afraid that the display of dairy products at the Industrial will become a very secondary affair as compared with that at other Canadian fairs. In the first place, the location is not good. Then the light and ventilation are not what they should be. Many visitors visited the dairy building this year with the hope of finding a cool spot, but found the very opposite. More than one remarked that it was one of the hottest places on the ground during



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PRESTON, ONT.

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the excessive heat of the first few days of the show. This might have been remedied to some extent had the partitions which separated the dairy exhibits from the eating houses been boarded up tight. But, as it was, the heat and odor from the cooking food in these places permeated the dairy building and made it hotter than it would otherwise have been. We trust that those who control Toronto's fine exhibition will give this matter their attention before another year and make arrangements to provide the dairy exhibit with accommodation in keeping with the important industry which it represents.

Mr. A. F. McLaren, M.P., Stratford, was judge on cheese and Mr. A. D. McGillis, Montreal, judge on butter. Mr. Mark Sprague, butter instructor for Eastern Ontario, looked after the creamery butter exhibit during the Fair. Mr. C. R. Lawson, Toronto, rendered excellent services as superintendent of the dairy building. Makers and others sending exhibits are always safe in intrusting them to Mr. Lawson's care.

ONTARIO AGRICULTURAL COLLEGE EXHIBITS.

Among the most interesting exhibits at the Fair were those of the Ontario Agricultural College in the Agricultural Hall and the Dairy building. The exhibit in the Agricultural building was in charge of Mr. Zavitz, Experimentalist at the Farm, and consisted of an excellent display of grains in the straw arranged in the form of a circle at the south end of the building. In this display there were 160 varieties of spring and fall wheats, 50 varieties of oats, and 50 varieties of barley; and the arrangement of these was such as to make it one of the most attractive exhibits on the grounds. There were also a large number of exhibits of grain grown by members of the Experimental Union, which could not be but helpful to every farmer who took the trouble to examine them. In addition to these, several tests were shown of the growth of good and bad seed. One exhibit showed the percentage of seed that would grow from large plump pea seed, small plump pea seed and split peas. These different qualities of seeds were sown in separate boxes on August 29th last, and the relative proportion of growth in each was as follows: Large plump seed, 100; small plump seed, 80; and split seed, 35. Another interesting test was that showing the effects of the weevil on large and small peas. This insect causes more injury to the smaller pea than to the larger one. Other interesting tests of a like character were shown, all proving conclusively that only the very best quality of seed should be sown in any case.

The exhibit in the dairy building was equally interesting and instructive with that

in the agricultural hall. It consisted of a number of cheeses and samples of butter showing the effect of applying various treatment to the milk in the process of making it into cheese and butter. The display was arranged under the direction of Prof. H. H. Dean, and was the centre of attraction in the dairy department. The cheeses on exhibition were perfect as regards finish. Some showed the effect of spraying to prevent mould with a 4 per cent. solution of formalin and a 10 per cent. solution. There were examples of mottled cheese and cheese made from different quantities of rennet. The various lots of cheese were scored by the judge on cheese, and we would like to be able to give full particulars, but space will not allow. One of the results which struck us as being most extraordinary was that cheese made from un-aerated milk scored one-half point higher in flavor than that made from aerated milk. The same thing occurred in the butter. One lot of butter made from un-aerated milk scored 2 points more in flavor than that made from aerated milk. 300 pounds of 4 per cent. milk gave 29 lbs. of cheese, and 300 lbs. of 3.2 per cent. milk gave 24½ lbs. of cheese. The cheese made from these were on exhibition, and without the aid of the scales one could readily distinguish the one made from the richer milk. There were also on exhibition several samples of milk showing how milk may be kept for one, two, three, and four weeks in making the composite test. The exhibit throughout was an exceedingly interesting one, and we think it would be a good investment if the Provincial Government would erect a permanent building on the grounds for the use of the Agricultural College, farmers' institutes, experimental fruit farms, etc.

(Continued on page 76.)


BRANTFORD SOUTHERN FAIR.

The auction sale of live stock at Brantford Southern Fair on Farmers' Day, Wednesday, Sept. 21st, promises to be a great success. Already a large number of entries for the sale have been received. Among the entries is one from the Bow Park Co., Limited, of seventy-eight head of first-class stock, of which sixty head are entered for sale absolutely without reserve.

The Southern Fair offers a fine opportunity for farmers to secure stock for the improvement of their herds.

The railway companies will issue round trip tickets to the fair from Sept. 17th to Sept. 22nd, and on Sept. 21st special reduced excursion rates. These tickets are good to return up to the 24th. Exhibitors' tickets are good from Sept. 14th to Sept. 26th.



 We will mail **THE LADIES' HOME JOURNAL**, beginning with the October number, to January 1, 1899, also **THE SATURDAY EVENING POST**, every week, from the time subscription is received to January 1, 1899, *on receipt of only Twenty-five Cents.*

In The Ladies' Home Journal

Mrs. Rorer, who writes exclusively for **THE LADIES' HOME JOURNAL**, will continue her cooking and domestic lessons. In the October number she tells what should, and what should not, be eaten by men following certain occupations. Twenty-five desserts are given for all sorts of stomachs.

SOME SPECIAL FEATURES include churches decorated for Christmas, Easter, Fairs and Weddings, photographed and described.

Interiors of tasteful and inexpensive homes pictured and described, showing pretty corners, tables set for dinners, luncheons and teas, etc.

Some Special Features of THE SATURDAY EVENING POST

Besides the General Departments—Serials, Short Stories and Sketches—

Men and Women of the Hour

Brief biographic sketches and characteristic stories of people prominently before the public, with portrait illustrations.

The Post's Series of Practical Sermons

Each week is given a strong sermon, simple, direct and unsectarian, on vital topics, by one of the best religious thinkers of the world.

The Best Poems of the World

Beautifully illustrated by the best American artists, are accompanied by a portrait of the poet, a biographic sketch and the interesting story of how each poem was written.

THE CURTIS PUBLISHING COMPANY, PHILADELPHIA

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 20,000 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 pure-bred 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.

LONDON AND OTTAWA FAIRS.

F. W. Hodson will be at the Western Fair, London, September 15th and 16th, and will make his headquarters at the Tecumseh House, where he will be pleased to meet Institute officers from 7 a.m. to 12 noon, on the above dates, and from 2 p.m. to 4 p.m. he may be found at the secretary's office on the fair grounds.

He 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.

PRIZE LIST OF THE PROVINCIAL FAT STOCK AND DAIRY SHOW.

A copy of the prize list of the Ontario Provincial Fat Stock and Dairy Show has been sent to each member of the Dominion Live Stock Associations.

We wish to call attention to the following changes in the Rules and Regulations. It was decided that the

dates up to which entries may be received by the secretary be strictly adhered to. The rule governing this reads as follows: "Entries should be received on or before November 20th. Entries received between November 21st and 25th, inclusive, will be charged double fees. No entries will be received after November 25th." Owing to serious complaints by exhibitors of dairy cattle, it was thought wise to prohibit dogs entering the building. The entry fees are as follows, but no entry fee will be charged for special prizes: Cattle, \$2 per entry; swine, 50 cents per entry; sheep, 75 cents per entry.

A change was also made in the date to which the ages of animals will be computed. These dates are now as follows: Fat cattle, September 1st; sheep and swine, December 1st; dairy cattle, August 1st. Last year the ages of all animals were computed to December 1st.

FAT CATTLE.

The only change made in the prize list in the fat cattle department was in class 4, sections 5 and 6, for grade "Heifer, 2 years and under 3," and "Heifer, under 2 years." These prizes now are 1st, \$20; 2nd, \$15; 3rd, \$10, instead of 1st, \$15; 2nd, \$10; 3rd, \$5.

SHEEP.

In the classes for Cotswolds, Lincolns, Leicesters, Oxfords, Shropshires and Southdowns, the prizes will be as follows:

Section 1. Ewe, 1 year and under 2—1st, \$12; 2nd, \$9; 3rd, \$5.

Section 2. Ewe, under 1 year—1st, \$10; 2nd, \$8; 3rd, \$5.

Section 3. Wether, 1 year and under 2—1st, \$12; 2nd, \$9; 3rd, \$5.

Section 4. Wether, under 1 year—1st, \$10; 2nd, \$8; 3rd, \$5.

Section 5. 3 Wethers, under 1 year—1st, \$12; 2nd, \$9; 3rd, \$5.

Section 6. 3 Ewes, under 1 year—1st, \$10; 2nd, \$8; 3rd, \$5.

In classes for Dorset Horns and Merinos, and Hampshires and Suffolks; the prizes will be as follows:

Section 1. Ewe, 1 year and under 2—1st, \$10; 2nd, \$8; 3rd, \$4.

Section 2. Ewe, under 1 year—1st, \$10; 2nd, \$8; 3rd, \$4.

Section 3. Wether, 1 year and under 2—1st, \$10; 2nd, \$8; 3rd, \$4.

Section 4. Wether, under 1 year—1st, \$10; 2nd, \$8; 3rd, \$4.

In the class for grades and crosses, "Sheep under 2 years" will read, "Best ewe or wether under 2 years." Otherwise the prizes in this class remain as last year.

SWINE.

In all pure-bred classes, "Barrow, 9 months and under 15" was struck out, and the section for "Sow or barrow, under 6 months" was divided into two classes, one for "Sow, under 6 months," and the other for "Barrow, under 6 months," the prizes to be 1st, \$10; 2nd, \$6; 3rd, \$4.

In the class for grades and crosses, "Barrow, 9 months and under 15" and "Sow, 9 months and under 15" were struck out, and sections added for "Sow, under 6 months," and "Barrow, under 6 months," prizes to be 1st, \$10; 2nd, \$6; 3rd, \$4. Instead of giving a sweepstake prize it was decided to give a prize for the "Heaviest sow or barrow at the Exhibition, any age."

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

MILKING TWICE AND FOUR TIMES A DAY.

Backhaus, in *The Milch Zeitung*, reports a short experiment conducted with eight cows, the result of which was as follows:

The cows were milked twice a day from June 21st to the 24th, and gave a total yield of milk 524.60, of fat 17.04, of solids not fat 45.47, the average composition of the milk being, fat 3.25 per cent., solids not fat 8.67 per cent. From June 26th to

the 31st these cows were milked four times a day with the following result: Milk, 576.70, fat 17.95, solids not fat, 49.57, the average composition of the milk being, fat 3.11 per cent., solids not fat 8.60 per cent. The percentage of increase from milking four times a day was thus: milk 9.93, fat 5.34, solids not fat 9.01 per cent.

Milking four times a day thus gave a larger yield of both milk and fat than milking twice a day, but, contrary to the usual rule, the milk was poorer in quality. To test this further the experiment of milking four times a day was continued, the cows receiving a richer ration. On an average, the eight cows showed an increase of 5.36 per cent. in the yield of fat, but only 0.44 per cent. increase in the yield of milk, and 0.65 per cent. in the yields of solids not fat over milking twice a day. It was further found that, when the time between milkings was divided equally, the milk did not have the same composition, the milk being poorer in fat after the cows had been at rest, as at night, while, after they had been in active motion, as feeding, the fat was higher. This is said to agree with the results obtained where cows are worked.



HERE WE ARE AGAIN

Having now recruited from the large consignments made one year ago to the United States and other places, we now offer a number of young bulls, from 1 to 12 months old. Sired by the noted bulls, White Prince (imp.), Dainty Lad of Elm Glade, Glencairn of Burnside, Douglas of Loudon Hill, and White Chief of St. Ann's. Also, chicks for sale from a yard of 500 or over.

WM. STEWART, JR. & SON,
MENIE, ONT.

See our stock at London and Ottawa Exhibitions.

A VERY DESIRABLE IMPROVED

FARM FOR SALE

BEING parts of Lots 125 and 126 South Talbot Road, Township of Rayham, County of Flgin 155 acres about 115 cleared and in a good state of cultivation. Good orchard and small fruits. Frame barn, 10 x 100. Good stabling and accommodation for cattle and horses, sheep and swine. A 150 ton silo. Vegetable and milk cellars. Outbuildings and fences in first-class condition. Good water, and all conditions requisite for success in farming or cattle raising. Price moderate and terms to suit.

E. A. GARNHAM,
STRAFFORDVILLE, ONT.

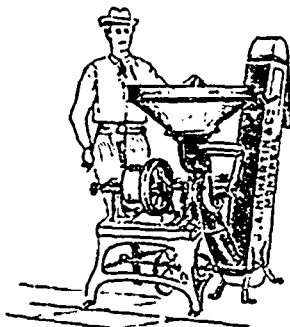


Every Man His Own Cobbler

The Home Repairing Outfit. A complete set of tools for boot, shoe, rubber, harness and tinware repairing. 41 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.

The Bailey Donaldson Co.
MONTREAL, Quebec.

"LITTLE GIANT" GRINDING MILL



One of the best and cheapest mills in the market, possessing qualities which no other mill of its kind has.

We also make mills to grind corn and cob in the ear, and windmills geared to wood or steel. Also pumping.

Send for circulars and prices.

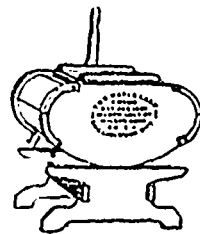
J.A. McMARTIN & CO., 14 St. George St., Montreal

THERE'S ONLY ONE PAPER...

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 Dairy-men'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.

Free Sample Copy and advertising rates on application to

CO-OPERATIVE FARMER,
Sussex, N.B.



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.

Progressive Grocers Sell

Windsor Salt

The Windsor Salt Co.
Limited,
Windsor, Ont.

AGRICULTURAL COLLEGE

GUELPH, Ont.

Will re-open on the
26th September of this Year

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.

JAMES MILLS, M.A., President.
Guelph, July, 1898.

A GREAT AUCTION SALE

LIVE STOCK

..WILL BE HELD AT THE..

SOUTHERN FAIR, BRANTFORD, ONT.

..ON..

FARMERS' DAY

WEDNESDAY, SEPT. 21st, 1898

Among the entries already received is one from the How Park Co., Brantford, Ont., for 78 head, of which 60 head will be sold absolutely without reserve. All horse and cattle dealers and breeders interested should communicate with the Secretary

C. W. YAPP,
President

GEO. HATELY
Brantford, Ont.

Why Do You Hesitate?

If you have an animal that is afflicted with Lump Jaw, why do you hesitate? Why do you run the chances of it spreading to the entire herd?

Mitchell's Anti Lump Jaw

has never yet failed in a single instance after following out in instructions carefully, and if it does not do what we claim it will, we will refund your money.

Price \$2.00, sent by mail postpaid.
Full Particulars and Treatise Free.

ADDRESS
W. J. Mitchell & Co.,
Winnipeg, Man. or Prince Albert, N.W.T.

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 insecticide. It is also a fertilizer.

TRY IT.

R. & J. Ransford,
CLINTON ONT

MARKET REVIEW AND FORECAST.

Office of FARMING,

44 and 46 Richmond street W., Toronto.

Sept. 12th, 1898.

The fall trade seems to have opened up with a rush here, though things are quieter in Montreal than was expected a month or two ago. The last two weeks has brought a large number of buyers to the city who reported trade conditions throughout the country as being better than for years. There are more people in the country doing a cash business, which enables the retail merchants to take advantage of the trade discounts. This method of doing business accounts for the fewer failures of the last few months.

Wheat.

A somewhat easier feeling prevails in wheat circles. Receipts are getting more liberal, and it is believed that the farmers in the Western States will market their wheat much earlier than was expected. In Ontario, however, there seems to be a tendency on the part of farmers to market their coarse grains first, and hold their wheat for a future market. Whether it is wise to do so or not is hard to say. A concerted action on the part of the farmers covering a large area to hold their wheat might have a temporary effect upon the market, but otherwise it would not change the situation very materially. The London market has been decidedly dull during the week for spot wheat, and with more liberal receipts from America, as well as from English farmers, prices have an easier tendency. New red winter wheat brings about 77 cents at Montreal, where an easier feeling prevails. Manitoba No. 1 hard is quoted there at 84c. to 85c. here. The market here is easier at 65c. to 66c. for red and white west, but exporters are only bidding 60c. Manitoba No. 1 hard is quoted here at 90c.

The total world's crop for 1898 is recognized as promising a yield of about 2,620,000,000 bushels. The largest previous yield was in 1894, when it reached 2,562,000,000 bushels. According to Beerbohm's list, the world's visible supply on September 1st, 1898, was nearly 120,000,000 bushels less than on the same date of 1894, and the invisible supply at probably 200,000,000 bushels less than in 1894—implying that, while the indicated production is 58,000,000 bushels larger, the reserves are 320,000,000 smaller—making the aggregate supply of wheat 262,000,000 bushels less than in 1894. If this is anywhere near correct it furnishes a reason why the extremely low prices of 1894-95 ought not to be feared. Late reports show that the wheat yield of the United States will be below what was estimated a month ago. It is now estimated at 665,000,000 bushels.

Oats and Barley.

Owing to liberal receipts of Russian oats the London market is somewhat unsettled and holders of Canadian goods have been compelled to accept 6d. per quarter less money. There has been more doing at Montreal lately owing to more ocean space being available and sales have been made at 28c. to 28½c. afloat, but only 27c. to 27½c. are offered for those to arrive. The market here is steady at from 22½c. to 23½c. for new white west.

The new samples of barley coming into Montreal are very fine and it is thought that there will be little feeding grades in this year's crop. Malting is quoted at 45c. to 50c., and feeding at 37c. to 39c. The market here is unchanged at 38c. for No. 1 west and 40c. east.

Peas and Corn.

The London market for peas is dull, though supplies have been light. The Montreal market is steady under a scarcity of supplies and sales have transpired at 60c. to 60½c. afloat. The market here is steady at 50c. north and west.

The Montreal corn market has advanced during the week, cargo lots being on the

basis of 35½c. to 35¾c. afloat for No. 2 Chicago mixed. The market here is firmer at 39½c. to 40c. for American.

Rye and Buckwheat.

There is good enquiry at Montreal for rye at 49c. to 50c. in car lots afloat. Rye is steady here at 40c. east.

Montreal quotations for buckwheat are 46c. to 48c.

Bran and Shorts.

Sales of Ontario winter wheat bran have been made at Montreal during the week at \$12 to \$12.25 in car lots. Manitoba bran is nominal at \$11 to \$11.25, and shorts are quoted at \$14.50 to \$15.50. The market here is fairly steady at \$12 to \$14 for shorts, and \$8.50 to \$9 for bran west.

Eggs and Poultry.

According to a cable to the *Trade Bulletin*, the Liverpool market remains firm for Canadian eggs at 6s. 6d. to 7s. 3d. as to quality. There seems to be more pickled eggs at Glasgow than the market can handle, and prices have weakened 3d. per 120. The Montreal market is easier, though high prices have been paid in the west, ranging from 13c. to 14c. for straight August No. 1 stock. Other kinds are quoted at 10c. to 12c. as to quality. The market here is steady and the demand good at 13c. for strictly fresh gathered; held fresh are quoted at 11c. to 12c.

The market has been fairly steady for poultry at 50c. to 60c. for chickens, 60c. to 70c. for ducks, and 10c. to 11c. per lb. for turkeys.

Potatoes.

Reports from some quarters, more particularly Quebec, indicate a much better yield of potatoes than was expected a month ago. The recent rains have helped the situation very much. The receipts at Montreal have been small lately, for which 45c. has been obtained. They sell in smaller lots at 55c. The offerings here are not large, and the demand is fairly good at 70c. to 75c. in car lots. They bring 55c. out of store.

Hay and Straw.

Farmers report that not for years have they had to stack as much hay. The English market does not offer much encouragement for shipment, though shipments continue to go over. No. 1 timothy is quoted at Montreal at \$6 to \$7 per ton; new baled hay is selling there at \$4.50 to \$5.50 for No. 2 mixed, while pure clover brings \$4. The market here for baled hay is dull at \$7 to \$7.50 for cars on track. There is very little enquiry for baled straw, and cars on track are nominal at \$4.

Fruit.

The trade in winter apples is likely to be brisk this fall. Already some buying has been done in the country at \$1 to \$1.25 per barrel. A large Chicago firm has been operating in Ontario and has bought considerable quantities of fall fruit as well as winter varieties. Orders have been received from Germany and storage room has been secured at Montreal for some of these purchases which cost \$1 per barrel in the orchard. Purchases of winter stock are reported at 75c., but these were made early. It is not likely that much fruit will be bought less than \$1. Poor quality is reported in some sections, but it is expected that the yield will be better than was predicted a month or two ago.

Cheese.

The cheese situation, viewed from this side of the water, is somewhat hard to understand. It is quite clear now that the make will fall far short of what it was last year. Up to September 3rd the shrinkage in shipments from Montreal as compared with the same period last year was 253,782 boxes, and the total shrinkage from Montreal and New York for the same time is 468,801 boxes. Notwithstanding this, cable orders have been slow, though there was a noticeable improvement during the latter part of the week. Br. fish

dealers seem to be holding off and are bound not to get excited over the market as they did last year, and load themselves up with high-priced cheese. Retailers are reported to be buying only in small quantities; while it is reported that not as much cheese is being consumed as usual, owing to the cheapness of other provisions. A strong effort is being made to establish the five-penny cut in England. If this effort meets with success the market here will have to remain at a figure that will allow this to be done. But it is not likely that this can be carried out during the winter months.

The Montreal market is quiet but steady, with sales of finest Western colored at 8½c. to 8¾c.; finest Western whites at 8 1-8c. to 8½c., and finest Eastern colored at 8c. Sales of last half of August are reported to have been made in the country at 8 1-16c. to 8½c. The local markets have been fairly active at 7 7-8c. to 8 1-8c. as to quality. The London, Eng., market is dull, though prices are steady.

Butter.

The London market is higher and firm, with a good demand at an advance of 1s. Stocks have been reduced and on this account holders are more conservative. There has been considerable buying of creamery butter in the country lately, and as high as 18½c. to 18¾c. has been paid for choice September goods of certain factories in boxes. Yet exporters claim that they cannot afford to pay more than 18c. at Montreal. The late improvement in the English market is bringing out the cold storage goods, which, however, do not seem to be in sufficient quantities to affect the market. The present prices are not high as at this time last year choice September creamery brought at Montreal from 19c. to 19½c., or one cent over present prices. Montreal quotations are 18c. to 18½c. for choice fresh creamery, 17c. to 17½c. for good to fine, and 13½c. to 14c. for Western dairy packed. There seems to be a good deal of dairy butter offering here. The demand for choice dairy tub is fair and the market is steady at 14c. to 15c. for the best, and 11c. to 13c. for inferior to medium. Creamery is steady at 20c. for prints, and 18½c. for packed.

Wool.

There seems to be a light demand in the Boston market for wool, and trading seems to lack definiteness. On new wool and on stock purchased in the fall the market stands as firm as it ever did. There has been more wool offering here of late and at lower prices. Holders seem more disposed to make concessions to dealers, and the demand is slow. Fleece is nominal at 16c.

Cattle.

The cattle situation does not show much change. Early in the week a brisk business was done, but on Friday the market was slow. Receipts of cattle were light. Several of the American markets show an easier tendency.

Export Cattle.—Cable advices during the week were lower and the ruling prices for choice cattle are from \$4.25 to \$4.60 per cwt. Some extra choice brought as high as \$4.80 on Friday.

Butchers' Cattle.—Choice cattle bring from \$4 to \$4.25 per cwt. Mixed lots of butchers' and exporters' cattle sold from \$3.85 to \$4.12½ per cwt. on Friday. Heavy bulls bring from \$3.60 to \$4 per cwt. Light bulls are quiet at \$2.75 to \$3.40 per cwt.

Stockers and Feeders.—Stockers for Buffalo have been slow at \$3 to \$3.20 per cwt. \$3.55 was paid on Tuesday for very choice.

Calves.—Extra veal calves bring \$6.50 to \$7.50 per cwt. at Buffalo and common to good calves \$4.50 to \$6.50. The market here is quiet at 4½ to 5c. per lb. or from \$3 to \$6 per head.

Milk Cows and Springers.—Are slow at \$25 to \$45 each.

Sheep.

Erick Bros., of East Buffalo, in their circular of Sept. 9th, gives the following extract re Canadian lambs: "Receipts to-day about 10 loads, and, on account of light run of natives

and a firmer eastern trade, market ruled strong and 10 to 15 higher. Trading was active, and the bulk of the good, fat lambs sold at \$5.90 to \$6.10. We sold several loads at the latter price that were quite bucky. These prices, however, will not stand with any kind of receipts, and we advise you to buy them to sell here on the basis of \$5.50 to \$5.75, especially if they are bucky and coarse. Loads running well to ewes and wethers and good quality, however, we believe it safe to buy to sell around \$5.75—possibly a shade more." Good, fat, ewe sheep are selling at \$4.50. The market here for export and butchers sheep is steady to firm at \$3 to \$3.50 per cwt. Spring lambs are quiet at \$4 to \$4.50 per cwt.

Hogs

These have been fairly steady during the week, with choice bacon hogs selling at \$4.75 per cwt; light hogs at \$4.25, and thick, fat hogs at from \$4.40 to \$4.50 per cwt. Sows are steady at from \$3 to \$3.30.

Publishers' Desk.

A Subsoiler.—Messrs. S. Vessot & Co., of Joliette, Que., are advertising an instrument to replace the subsoil plow for breaking up soil which requires to be worked deeply. The instrument is made of the best steel 5½ inches wide. It is strong, simple and durable, and can be adapted to any plow (including a sulky plow), and is under the immediate control of the operator, who can regulate its action to the depth required, and avoid obstacles such as stones and roots. It cultivates the subsoil without bringing it to the surface, allowing the air, heat, and moisture to penetrate it freely. It is claimed that the use of the instrument will increase the yield by from 25 to 40 per cent. Particulars will be furnished free by the makers.

Good Roads Exhibit.—One of the most interesting exhibits in the Toronto fair grounds was that of the Good Roads Machinery Co., of Hamilton, Ont. The firm are

WINDMILLS

Farmers who require an



Economic Power

TRY THE

**Canadian Steel
Air-Motor**

Do not pay dear for your experience by experimenting with Gasoline Engines etc., etc

Galvanized or Painted

Ask for copy of testimonial from F. W. Hodson, Esq., Supr. Farmers' Institutes

PUMPS. TANKS. GRINDERS, ETC

Ont. Wind Engine & Pump Co. Limited
LIBERTY ST. - TORONTO

showing their mounted portable steel frame stone crusher, which is erected with elevator and crusher on carriage. They are also showing their macadam distributing wagon. This wagon spreads stone two to eight inches on a roadway as fast as a team can work. The steel Champion road grader is also exhibited. This machine, it is claimed, is the simplest, strongest, and easiest operated of any in Canada. Besides the above the firm are showing their noted Champion horse road roller, with new device and roller bearings. This, with the Buffalo Pitts steam road roller, is without doubt the best road making exhibit by any one firm. Mr. Challen, the manager, is supervising the entire exhibit, and in conversation expressed himself highly gratified at the numerous encomiums passed upon his goods by visitors.

Enriching the Land—An extract from *The Canadian Gazette*, May 15, 1897 (page 6): "In relation to the retarded growth of pastures, we hear of several cases in which winter-sown Thomas-Phosphate Powder has proved directly beneficial in promoting an early growth and greenness due to growth of finer grasses; and in one instance met with a day or two ago, in which thirty-six tons had been so used, a lot of store cattle, turned out early in low condition, were reaping a decided advantage in pastures that had formerly been of little service till June. Lambing ewes, earlier in the season, had also shown a marked preference for the fields thus treated. Early sowing of this fertilizer seems to be an important point in its use, judging by the foregoing results." Mr. David S. Wark, agricultural chemist, of Lincoln, reports his recent visit to two farms, seven miles from Lincoln, on the old (Lincoln to Newark) coach road. We quote Mr. Wark's own words: "From inquiries made from Mr. Clark, the farmer, I was informed that both fields had been treated under exactly equal conditions for four years previous to this year, and had been looked upon as land not worth bothering about. Early this year Mr. Clark decided to see if he couldn't get something out of this land, so he treated one field with a good dose of Thomas Phosphate Powder, it being recommended for its phosphatic base, using four or five cwt. to the acre. To his great surprise, and that of his neighbors, the field has done well for him, for he took off of it hay to the value of £35 to £40, and a month or so afterwards placed a number of lambs on it, which are there at the present moment, and doing well; in fact, I was considerably surprised at the quantity of succulent grass and clover still on it, in face of the present heavy stocking. Now, the field next to it, which had not been treated with the phosphate, was practically barren, and had given no return whatever." See *The Agricultural Gazette*, (October 4, 1897 (page 346)).

Stock Notes.

MR. E. E. MARTIN, of Canning, Ont., is advertising some choice Berkshires and Southdown sheep in this issue. An inspection of his herds will repay any one desiring to invest in purebred stock of either of these breeds.

MR. F. A. CRANDALL, Falconer, N.Y., breeder of Shropshire sheep and Improved Chester Whites, and a general farmer, reports recent heavy sales, and is now visiting our fairs as a prospective buyer. The season throughout has been unfavorable, and the outlook financially is looked forward to with interest.

MR. E. A. GARNHAM, of Stratfordville, Ont., advertises a good farm for sale in this issue. It is situ-

ated on the Talbot Road, in Bayham, which is a good road at all seasons. It is eight miles from Tilsonburg and the same distance from Port Burwell, within five minutes' walk from the T. L. E. & R. B. station, church, school house, postoffice, stores, town-hall, and other conveniences found in a well appointed village. The soil is sandy loam, clay loam and clay. It is inclined to be low and is well adapted for dairying. Anyone desiring to locate where the conditions are all favorable to success should write Mr. Garnham for full particulars.

TORONTO EXHIBITION.

(Continued from page 71.)

AGRICULTURAL HALL.

On the whole, the exhibits in this building were better than a year ago. The quantity and quality of grain shown was better than ever before, the straw being exceedingly bright. The roots were about up to the average of other years. The onion display was of exceptionally good quality, and was better matured. Cauliflowers were below the average, and potatoes about an average exhibit. Tomatoes were specially good in quality, but not so large in size as other years. Three exhibits of market gardeners' displays have never been equalled at Toronto. A very interesting exhibit in this building was that of grain and timothy from Widdfield township, near North Bay, in the Nipissing District. People are inclined to think that the northern part of Ontario is too cold for general agriculture; but if they could have seen the samples of Democrat and Red Clawson wheat shown from that district their opinions would soon change. At the north end of the Agricultural Hall was located Wallace & Fraser's exhibit of Albert's Thomas-Phosphate Powder. It is needless to say that this exhibit was one of the main features in this building.

SPECIAL APIARY EXHIBIT.

A very interesting and, at the same time, a most instructive exhibit was located on the main driveway south of Machinery Hall. It consisted of several colonies of live bees inside of an enclosure made of loose netting. From within this enclosure, with the industrious bee moving about quite at home on his collar, hat, coat, hands, feet, and, in fact, on almost every part of him, including his whiskers, Mr. R. F. Holtermann, Apiculturist at the Ontario Agricultural College, explained to onlookers outside how this little benefactor of mankind every year contrives to make and store up the large quantities of honey found on the markets of the world to-day. The object of this exhibit was, in the first place, to show something new, and also to give an object lesson as to the old and new methods of bee-keeping. In addition to this Mr. Holtermann gave several talks in a tent alongside of the exhibit on practical bee-keeping and honey-making. This special exhibit was conducted by Mr. Holtermann under the auspices of the Industrial Fair Association, and proved to be one of the best attractions on the grounds.

MACHINERY HALL.

As usual the Machinery Hall was thronged with visitors inspecting the various kinds of improved farm machinery to be found there. No farmer could spend his time better than by noting carefully and critically the various exhibits in this building. Among the leading exhibitors may be mentioned the Massey-Harris Co., Toronto; Frost & Wood, Smith's Falls; Noxon Brothers, Ingersoll; Watson, of Ayr; J. F. Fleury, Aurora; Deering Harvester Co., Chicago; David Maxwell & Co., St. Mary's; Tolton Bros., Guelph, as well as a number of others. If we had time and space it would be profitable to go into particulars regarding the improvement and advancement in farm machinery from year to year. There was one little contrivance shown by the Dowsell Mfg. Co., of Hamilton which should be of value to every man who keeps hens. It was a specially arranged egg basket for farmers' use. It would hold twelve dozen eggs and there would be no possibility of the eggs being broken unless the basket itself was smashed. If some contrivance of this kind were used by every farmer a lot of money would be saved on eggs that otherwise would be broken.

AM88

DENTONIA PARK FARM

EAST TORONTO (Colman P. O.)

W. E. H. MASSEY, Proprietor.

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 Foultry Yards

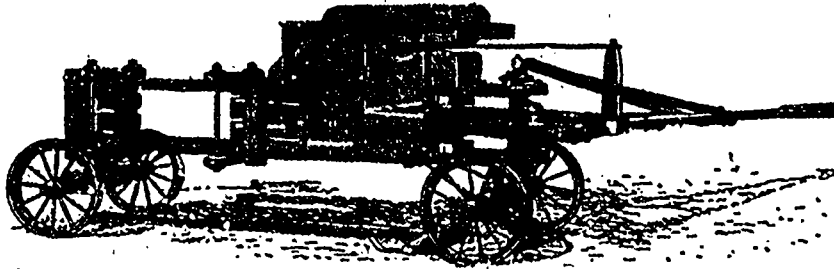
S. C. Brown Leghorn and Light Brahma Cockerels for sale.

Dentonia Trout Ponds

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

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.

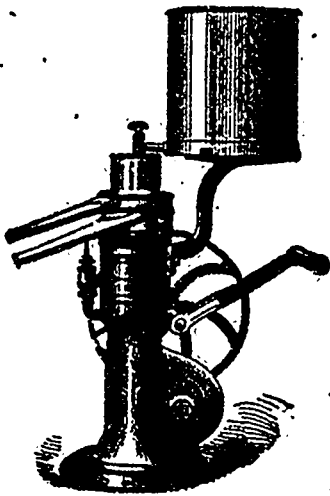


Made of Steel. Improved for this Season. Patent Retainers. Patent Folder Roller, Patent Tension Blocks, Patent Side Clamps.

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 DIMENSION BALE TIES. MANUFACTURED BY

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National Cream Separators



No. 1—330 lbs. \$75
No. 2—600 " \$125 **HAND or POWER**

Perfect Skimmers Easy to Run and Clean.
Saves Labor—Makes Money
The Best and Cheapest in the Market.

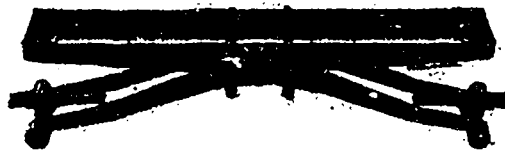
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N.B.—We furnish all kinds of Creamery and Dairy Supplies. Send for Catalogue.

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They are the only perfect spring made. In comparison with these all others are useless. Address



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Special inducements to introduce where we have no agent.

STATEMENT SHOWING CONSUMPTION OF

ALBERTS' Thomas-Phosphate Powder

(Registered)

Year	Tons	Year	Tons
1883	50	1890	400,000
1884	300	1891	440,000
1885	2,500	1892	590,000
1886	12,000	1893	680,000
1887	65,000	1894	760,000
1888	130,000	1895	920,000
1889	240,000	1896	1,370,000

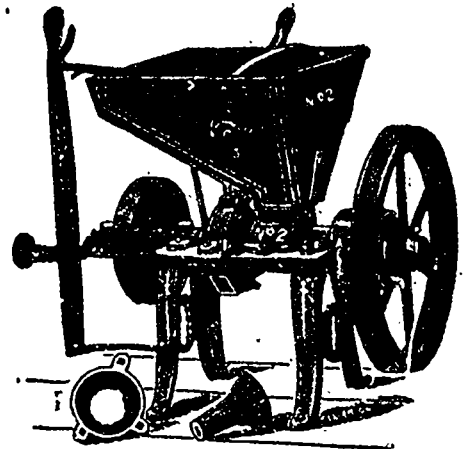
1897 1,920,000 tons
1898, so far, the orders promise to reach nearly 3,000,000 tons

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Masonic Temple
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Canada Life Bldg., **TORONTO**

THE ONLY GRINDER



which will crush and grind corn cobs as well as small grain.

THREE SIZES

can be furnished, suitable to be run by sweep power, tumbling rod, or by a belt. A complete grinder, and ahead of anything in the market. Send for catalogue.

We manufacture also

**TREAD POWERS
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Breeder of Barred Plymouth Rocks

FOR SALE—40 good, thrifty, breeding Cockerels, choicely marked, \$2.00 each. Also, 10 extra fine exhibition specimens, \$5.00 each.

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Get a
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GRAPHITE BEARINGS
They Run without Oil.

Steel Towers, Pumps, Tanks,
Saw Tables and Watering
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WOODSTOCK WINDMOTOR CO., Limited
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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.

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APPLES!!

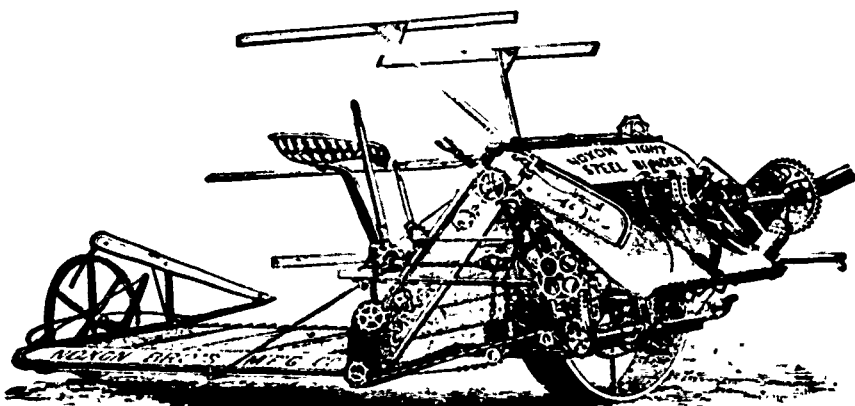
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Canadian Agent for Woodall & Co., Liverpool,
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Ltd., London. Reference, Mr. W. H. Dempsey, Day
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Domestic animals, to be kept healthy, should have salt within their reach at all times.

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The Binder THAT DOES IT ALL AND DOES IT RIGHT

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Metal Roofing

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



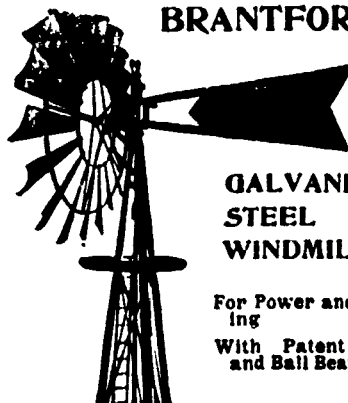
Patent Safe-Lock Shingle.

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

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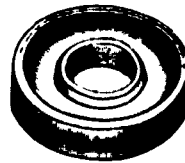
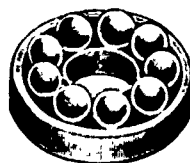
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For Power and Pumping
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