

J H Grisdale June 15, 02  
Exp Farm

# THE FARMER'S ADVOCATE

AND HOME MAGAZINE

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\* AGRICULTURE, STOCK, DAIRY, POULTRY, HORTICULTURE, VETERINARY, HOME CIRCLE.\*

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VOL. XXXVI. LONDON, ONTARIO. SEPTEMBER 16, 1901. WINNIPEG, MANITOBA. No. 534

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# The Farmer's Advocate

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VOL. XXXVI.

LONDON, ONT., AND WINNIPEG, MAN., SEPTEMBER 16, 1901.

No. 534

## EDITORIAL.

### The Toronto Fair of 1901.

The attendance at the Toronto Industrial Exhibition this year was not equal to that of previous seasons, but this was anticipated in consequence of the industriously-boomed novelty across the way at Buffalo. Even without the badly-needed new buildings for which Toronto declined last winter to vote the necessary funds, the show itself surpassed that of 1900. To our mind, the improvements were very marked, and we congratulate the management upon the honest effort at reform which they have made, and it is very satisfactory to find that the degenerate tendencies of a year ago, which produced so strong a revolt in the public mind, as expressed through the press, have received a wholesome check. The debasing and noisy side-show element which dominated the main avenues of the fair last year was almost entirely eliminated, and those admitted were wisely relegated to the background. By another season we trust the management will be able to shut them out entirely, and that the City Council will also refuse space anywhere to the "Midway" faker. Apart from moral or educational reasons, it is only just to the legitimate exhibitor that the attention of the multitudes should not be diverted from beneficial channels by these catchpenny devices. There was a fine advance in the nature and extent of the Main Building exhibits, and it was indeed gratifying to observe how it was thronged by visitors eager to see and delighted with the industrial and artistic displays. It was quite apparent that the building is now wholly inadequate for the purposes intended. All these manufactured articles deserve more space, and there should be ample room to illustrate processes of manufacture in operation. In the new Main Building the ground-floor space should be doubled or trebled. These old-fashioned galleries are a relic of the dark ages in the exhibition business. A new art building is needed. The "Farmer's Advocate" believes in cultivating the finer tastes of our people, and one of the best ways of doing this is to properly display in a popular exhibition the very finest productions available of artistic genius. We would also suggest more space for the natural-history department, so that more complete displays might be made for the education and entertainment of both the old and young. For instance, there should be an exhibit of all the leading native birds of the Province. One of the most popular features of the fair is the butter-making competition, for which, together with the exhibits of butter and cheese, and dairy apparatus, ample provision should be made. The carriage display this year was even larger and better than a year ago, but terribly crowded, and the low-roofed building was practically without ventilation. A few electric fans, and opening the gable ends, would have been a decided help. Leading agricultural implement men are still conspicuously absent, and it is certainly a very great detriment to the fair. However, if we are not greatly mistaken, most of them will be found at the shows again ere long, and their temporary withdrawal will result in more satisfactory arrangements for their comfort in the future. Farmers like to study and compare the new improvements that are being introduced, and the meeting of the heads of the manufacturing establishments with their representatives—

general and local agents—and with their customers, is decidedly advantageous. The implement building was, however, fairly well filled and attracted a steady throng of visitors. The hall in which the general and electrical machinery was shown was also visited by thousands of people daily. The live-stock exhibit was superb, Shorthorn cattle surpassing anything seen on these grounds for many years, and the same may be said of the Ayrshires.

In our opinion, which is likewise the view of many competent observers who saw both, the Toronto Show, as an agricultural exhibition and in many substantial features, by far surpassed the Pan-American. The latter excelled in the beauty and arrangement of its buildings, and its art display and electrical machinery and electrical illuminations. Canadians generally, like Sir Wilfred Laurier, the Premier, acknowledged the excellence of the Toronto Show, and he suggested, on the opening day, the desirability of giving it a Dominion character, with representative exhibits from all the Provinces. As already intimated, this year witnesses a revival of confidence in the Industrial Exhibition, in response to the tangible effort of the management to get rid of objectionable features and make it true to its name—an exhibition of industry, agriculture, and art. It is one of the best assets that Toronto has to day, and if its citizens are wise they will sustain it by replacing the present cramped and leaky-roofed structures, through which the rain pours in torrents, by an attractive and up-to-date set of buildings. Now is the time to secure its permanent success for the future. A policy of hesitating delay has come perilously near driving out of Toronto its growing live-stock market business, and it will be to the everlasting discredit and detriment of the city if the present opportunity to put the Industrial Exhibition upon a secure basis be lost.

### Controlling the Farm Water Supply.

As forests disappear, the problem of water becomes the problem of the farmer, and with every falling tree it grows more serious. Necessary to animal life, growth and productiveness, it is in the vegetable kingdom the one great essential. Without water supply, there can be no plant-growth. It is the sole conveyor or medium through which plant food—fertility in solution—reaches and becomes part and parcel of the developing plant cells, and without it growth stops. The problem is not one confined to the arid regions of the West, which irrigation has transformed to luxuriant gardens. Water supply for farm animals, notably the dairy cow, is driving down the deep well and making the windmill a feature of the Eastern landscape. For lack of regular and sufficient water supply, small fruits and other garden crops have become especial sufferers, and here and there and everywhere in the gardening localities one sees the elevated tank, which can be drawn upon when the clouds fail or the torrent has spent itself. Nowhere yet is there a lack of water; it is rather a lack of timely distribution. Rain-gauges show that the average rainfall for the middle belt of the United States is two and one-half inches, or more than 400 hogsheads upon the roof of a barn forty feet in spread; 26,600 pails full. There are many places where this dash of water—mostly coming in a few hours—may be largely held in plastered pools and cisterns. Large cisterns or

wells, with windmills, are available for a measured contest with drought. It is, however, getting to be understood in many of the neighboring States that a good farm should have at least one driven well, sunk deep into the rock, and giving an unfailing supply of pure water. Ordinary cistern and pool water can be used for irrigation; but the driven well is required for all purposes. Such a well, costing from one hundred to five hundred dollars, makes a small farmer practically secure against drought, and safe from poisoning by impure water. The distribution over his fields or gardens must be by wind power and irrigating pipes.

### Autumn Work on the Farm.

The grain harvest in most sections of the Dominion has been disposed of earlier in the season this year than is usual, leaving more time than in the average of years for extra work on the farm during the autumn months. The time was when, in even the older Provinces, these months were largely taken up with the work of hauling grain to the market, and railways being less common than now, the hauling had to be done over much greater distances than is necessary in these days. But with the introduction of dairying and stock feeding in most districts, a great change has come about in this respect, less grain, as a rule, being sold on the market as such, and more fed to cattle and sold when converted into meat or milk, or to hogs and horses, which go off the farm on foot, a system that is certainly better calculated to maintain the fertility of the farm, and one involving less heavy labor. A less acreage of fall wheat being sown than formerly in the districts where that cereal was once the leading crop, leaves largely at the farmer's disposal the time which used to be occupied in that way. Where corn is grown to any considerable extent, the weeks formerly devoted to wheat seeding are occupied by the corn harvest, but that is usually disposed of early in September, leaving a considerable lapse of time before the securing of the mangel and sugar-beet crops is necessary. In average seasons, the apple crop in the sections where it forms a considerable factor in farm produce calls for attention, but this year being unhappily an exceptional one in respect to that crop, the gathering will be a light task, but one requiring all the more timely attention, that none may be wasted or lost, but all secured in good time and the best condition.

While the crops above referred to require attention at the proper time in any year, the early harvest of the present season leaves more time than usual for making necessary improvements on the farm and buildings, and this is work which can be most economically attended to in the earlier autumn months.

Fall cultivation of the land intended for roots and corn next year, in order to the destruction of weeds, should be vigorously prosecuted during these months. If gravel is required on the lanes and walks to the outbuildings and in the barnyard, to ensure cleanliness in passing to and fro, no better time can be found for this purpose. If the stables need repairing, it is better to have it done before the cold weather comes, when the cattle, and especially the milking cows, should be stabled at night, for it is well known that they shrink rapidly in their milk and lose flesh as well when left out in the fields on frosty nights, and should be fed night and morning, to supplement what they get in the fields, for even if rains have

## THE FARMER'S ADVOCATE AND HOME MAGAZINE.

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freshened the pastures, the quality of the grass is not equal to that of the early summer pastures. The horses, too, will keep up in condition and do better work if kept in stable when the nights are cold and frosty. Where sheep are kept, they will require special care at this season, the lambs being kept on the freshest grass or on rape, in order to putting on flesh, that they may go into winter quarters in good heart; the sexes being separated, and the breeding ewes also given a run on better feed, to improve their condition before being mated with the rams, in order to bring them in season as early as possible in the same weeks, ensuring a large percentage of lambs with greater uniformity of size than when they come straggling along through months in spring.

Tree-planting—which is generally relegated to the spring months, when, as often occurs in the rush of work at this season, it is neglected—may advantageously be done in the autumn months, evergreens and many other varieties doing quite as well if planted in the fall as in the spring. And tree-planting is more than a mere sentiment, as it adds to the beauty of the home, furnishes shade for the stock, and improves the appearance of the farm, making it more attractive and enhancing its value in case it may be offered for sale. The farmer who is ambitious to improve his farm and surroundings, and to keep up with the progressive spirit of the age, will find plenty of work to profitably employ his time during the later months of the year.

### Why the Cities Grow Big.

The last Canadian census and the last U. S. census both show that population is concentrating in cities and towns. Ten years ago 29 per cent. of the people of the States were living in towns of 8,000 or more inhabitants. The town dwellers have now increased to 32.9 per cent. This is not altogether a new tendency: it has been going on for more than one hundred years. Yes, for more than 1,000 years. The density of population tends to increase as one moves from the remote farm, through prosperous towns, thence through the suburbs and the residential quarters of a great city, reaching its most congested condition in the tenement-house areas, where the poorer class of wage-earners are packed together within easy access of their work. At various times this problem, in its different aspects, has been discussed by writers in the "Farmer's Advocate," and it will interest our readers to note the explanation given, by as thoughtful a periodical as the N. Y. Independent, of the fundamental reason why population drifts cityward. It is one of the effects of the struggle for existence. The business, and the employments in general, of the cities are highly specialized. In ninety-nine cases in a hundred, or perhaps in nine hundred and ninety-nine in a thousand, the town dweller is earning his living by some very narrow "line" of trade, or by some kind of skill or muscular activity that has been cultivated at the expense of all other aptitudes. Whether in profession, business or manual labor, he has succeeded, if at all, by concentrating his effort, his thought, his interest, his soul, on some one activity, and a great part of the capacities that he was born with have shrivelled into nothingness. Day after day he grinds away in his narrow little round.

Absolutely different in its nature and demands is the occupation of the farmer. The "jack of all trades" may be a master of none; usually he is. But the farmer who would succeed must be a jack of all trades and a master of all. His business, if the oldest of human callings, is also far and away the most difficult. The farmer who succeeds in any such degree as the business or the professional man may succeed combines with the "horse sense" that he claims for himself a great deal of scientific knowledge and business genius. He understands soils and sunsets; roots and animals; machinery and human nature;

And so, concludes the writer referred to, this problem of the growth of cities comes down to one of human ability. Cities grow because "any specimen of a man can earn his bread in town if he lets drink alone and diligently becomes a human automaton; whilst to succeed in the country he must be next of kin to an immortal genius." That Canada has so large a proportion of pre-eminently successful men among the rank and file of her farmers, at the same time supplying so many of the outstanding leaders in business and professional life, speaks volumes for the stamina and brain power of the sons of her soil.

### Fairs and "Attractions."

(From the Haverhill, Mass., Gazette.)

A Boston committee recently investigated the matter of fairs, and addressed letters to a number of State secretaries of agriculture asking whether, in their opinion, the purely legitimate or the "wide-open" agricultural fair pays best in the end, financially, socially or educationally? The replies received from fifteen of the secretaries indicate that the evidence is in favor of the purely legitimate fair. It has to be conceded, of course, that educationally and socially, the "wide-open" institution is not a success, but it has been argued by many that in order to draw the crowd which is necessary for the financial support of the other features of the fair, it is necessary to have the "wide-open" accompaniment—in fact, that these side-shows are necessary for the success of the big show, an argument which is maintained even when the side-show becomes the real thing and the big show is relegated to a position of no importance. There has been very much of the same idea in the planning and management of the greater exhibitions of national importance, where the "Midway" has

been considered an essential, because of its supposed drawing powers, which the exhibits of the arts and sciences have not been credited with possessing. Now the managers of the Buffalo Pan-American have demonstrated some degree of independence of these "Midway" people, and forced them to a realization of the fact that they are in reality but a side-show, and the management of the St. Louis Exposition have gone a step farther, deciding to do without the "Midway" features altogether. The agricultural managers, on their minor scale, have evidently come to the same conclusion, for the consensus of the replies of the State officials referred to, is said to be given in the reply of Secretary True, of Wisconsin, who says: "Temporary financial advantage may be gained by ignoring the educational and social features of the fair and admitting questionable attractions, but in the long run only the clean fair will succeed, financially or otherwise." And the others are uniformly of this opinion. Secretary Bell, of Vermont, says: "The most successful fair in Vermont is purely agricultural, no side-shows or games of chance, and draws the crowd every season."

The management of our own Essex County fairs have always held strictly to this theory of fair management, and have maintained in its annual appearance the prominence of the agricultural interest, and while they have from time to time introduced popular features in the show, they have not suffered anything to be countenanced which would lower the tone of the exhibition or that would have a tendency to detract from the original purpose of this institution. In a recent appeal, indirectly issued, the belief is expressed that "the farmers of Essex County who have a very vital interest in the society, on considerations affecting the past, present and future, can materially aid this year by taking an unusual interest in the coming fair, by preparing for larger exhibits than they have made before, and by letting it become known that they are making such preparations, and that the agricultural exhibit with their co-operation will be the largest of years." It cannot be denied that the members of the society have kept the interests of the farmers at heart, and that their efforts have borne fruit, and the response to the appeal should be a general and generous one.

The letter of Mr. John B. Pettit, which we publish elsewhere, indicates that in several important particulars justice has not been done some of the staple fruits of Ontario in the selection of exhibits for the Pan-American Exhibition.

## STOCK.

### Sheep Stock Declining.

Mr. J. T. Critchell, in the Melbourne Pastoralists' Review, gives the approximate number of sheep in the world, as the result of inquiries made to our Board of Agriculture, the Agent-General for South Africa and Canada, the Consul for the United States, and other authorities, as follows:

Australasia.....	92,000,000
Europe.....	165,000,000
Asia.....	53,000,000
Africa.....	13,500,000
United States.....	42,000,000
Canada.....	4,500,000
Argentina.....	80,000,000
Other S. American States.....	40,000,000
Total.....	490,000,000

A trustworthy estimate in 1895, Mr. Critchell adds, gave the total at 583,000,000, and the decrease that has taken place since is general. The cause of the decrease in Australia and South Africa is known, he remarks; but we might be informed as to the meaning of the gradual diminution in the colder parts of the earth. In the last twenty-five years, it is stated, there have been reductions of 7½ per cent. in the United Kingdom, and of 46 to 60 per cent. in Belgium, Hungary, and Germany, while Denmark has lost 42 per cent. The United Kingdom, with 31,000,000 sheep, it is remarked, stands second in Europe to Russia, with 48,220,000, and fifth among the countries of the world, only Australasia, the United States, South America and Russia having more sheep.

### "Marbled" Hereford Meat.

"Of all our breeds of cattle, that in which the fat and the lean are most evenly intermixed," says a British exchange, "is the Hereford, and it is for this reason that the picturesque whitefaces which have their homes in the English Midlands always find such favor with the butchers. Hereford meat, in the technique of the trade, is always 'beautifully marbled,' or, in other words, its lean and its fat are very evenly blended, and this renders their joints much more salable than those of other breeds in which the lean and fat are not so well mixed."

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**Our Scottish Letter.**

The leading feature of the past fortnight would not be difficult to summarize. The agitation in favor of the opening of the ports to Canadian store cattle continues to occupy the attention of those who have leisure, and harvest has been the chief concern of the great majority of farmers. Flockmasters have been busy marketing their lambs, and it is wonderful how sharp an influence is exerted over stock profits by our variable climate. All the lamb sales opened with depressed prices, on account of the prolonged drought, parched pastures, and unpromising turnip crop. August brought more moisture, and some heavy rains have fallen; indeed, when it has rained during August, it poured. Pastures have rapidly revived, but most important of all, the turnip crop has sprung forward in a very remarkable fashion. It now promises to be an exceedingly good crop, and, in consequence, prices of lambs have advanced all round, and flockmasters are much better pleased with the later prices than with the earlier. Turnips are a strong growth in most places, and although finger-and-toe threatens in some districts, farmers are not disposed to complain. Potatoes, however, are the crop of the season. The effect of the dry season is seen in the almost total absence of disease and the prolific nature of the yield. Of course, prices are not likely to be so high on this account, and some farmers are disposed to think that a certain percentage of potato disease is not a bad thing. It tends to limit the supply, and consequently enhances prices.

In spite of the changeable weather, harvest makes good progress, and the bulk has been secured in good order. Straw is scarce, and the stack yards are not bulking very well; still, the farmer is not excessively grumbling, and if grain should maintain a fair price during the year, the cereal crop of 1901 may turn out fairly well. With your mammoth yield of wheat in the Northwest, prices of wheat are not at all likely to reach a high level, and the stack of wheat in Suffolk, of 1873 harvest, is not likely to be broken this year. It has been kept entire because of a vow of its owner that it would not be threshed until wheat was again 50 shillings per quarter. That will not happen during the coming year, at any rate, and the stack may stand long enough before it does happen. The Agricultural Returns for 1901 have just been issued, and these show that the revival in wheat-growing, consequent on the Leiter exploit, has already spent itself, and this year there are actually 144,077 acres less under wheat than there were in 1900. It is impossible to grow wheat profitably in this country while rent has to be paid for land and Canada can send such quantities grown on the virgin soils of the great Northwest. These agricultural returns, made up as at 4th of June, do not make pleasant reading. The area under crop this year is very much less than it was in 1900, and the area under permanent pasture has rapidly extended. This year it amounts to 120,850 acres over the total area in 1900. All this is lost to cropping, and this means rural depopulation and the increasing congestion of urban areas. Wise men of all classes are speculating on the width to which this laying down of land to pasture may extend, and no one attempts to ignore the tragic significance of the phenomenon in a national sense. The laborer must be kept on the soil, should that be at all possible, but the farmer cannot be expected to do this on philanthropic grounds. It will require statesmanship of a high order to grapple with this problem, and meantime the evil increases every day. Both moral and social evils must be grappled with if an effective and permanent remedy is to be provided.

The returns bearing on the live-stock question in some respects support the contention of those who are advocating the importation of Canadian stores. The cattle population is down since last year, and the reduction amounts to 3.7 per cent. of those under two years ago as compared with the figures for 1900. This seems to point to a scarcity of the cattle wanted for feeding purposes. Of course, everyone knows of this scarcity, but the best guarantee that it will not always continue lies in the fact that the net decrease in cattle population is only 0.6 per cent. overhead. The number of breeding animals is well maintained, and while this continues there will always be the guarantee of future increase in the numbers of saleable young stock. Too many young females have gone to the butcher of late years, and this should have been resisted by their owners. No doubt the temptation to sell is great, but it is a penny-wise-pound-foolish policy to slay the goose that lays the golden egg. If breeders would but look a little way ahead, they would never sell any but the underbred females, and would hold religiously by those having a clean record and likely to breed well. Undoubtedly the scarcity and consequent high price of stores is giving life to the Canadian agitation, and influential enough support is being obtained for opening the ports. The Minister of Agriculture has so far made no sign, but the general expectation is that he will let well enough alone. Meantime, the forces are being organized, and if Dr. Farquharson gets his own way and obtains sufficient evidence of the agricultural view being favorable to the repeal of existing legislation so far as Canada is concerned, he will make the business a matter of high policy and move an amendment to the address from the throne next session. The breeder hitherto has been rather silent on the subject, but he may waken up, and if he does so, being in the majority and pretty determined, he will not be easily shaken off by Dr. Farquharson's friends. With very few exceptions,

all farmers who are breeders are in favor of the present policy. It keeps the door shut against disease when it is shut, and this is as fair a policy as any can desire. "SCOTLAND YET."

**Report of Live Stock Exhibits at the Great Eastern Exhibition.**

**SHORTHORNS.**

The liberal grant made by the Dominion Shorthorn Association of \$100, and of \$100 added by the Hon. M. H. Cochrane, to the Fair Association's class for Shorthorns made the offerings at the Sherbrooke (P. Q.) Exhibition, August 31 to September 7, in the class worthy of the best exhibitors to win and brought out an unusually strong competition. The principal exhibitors were the Hillhurst Farm, H. I. Elliott, Danville, and H. W. Burton, Huntingville, P. Q. The Hillhurst Farm were out with all their best cattle, and were brought out in fine form. The noted bull, Joy of Morning, was out in fine form, and won the diploma as best of any age. The yearling Silver Plate bull is a grand, good one, and will make a hard one to defeat for another year at our western fairs. The aged females were in good form and won in their different sections. The young stock was not in such good form and had to take second place. Both the aged and young herds, as well as the Dominion Shorthorn specials, were won by this herd. H. I. Elliott was out with a good string, but not in high show fix. He won first on yearling heifer; first on bull calf, a good one sired by Indian Fame; second on herd, and five thirds and two seconds. H. W. Burton won second on two-year-old bull, bull calf, two- and three-year-old heifer, and first on yearling heifer and heifer calf.

**ABERDEEN-ANGUS.**

In this class there were only two herds out—A. G. Spafford's, Compton, and D. M. Wilson's, Moe's River. Mr. Spafford's cattle were in good shape, and won all the firsts, both diplomas and both herd prizes.

**HOLSTEINS.**

Holsteins were out strong. The cattle were good and in good show condition. The principal exhibitors were J. M. Moretel, who won three firsts and third in the old and young herds, and O. Sweet, who won first on aged and young herds, and diplomas on bull and female.

**HEREFORDS.**

Herefords were not out as strong as in other years. H. D. Smith and D. M. Wilson were the only men. The Ingleside herd won all firsts, both herds and diplomas, on a string of well-brought-out cattle, which speaks well for the reputation of the herd, considering the success he met with at the Toronto Exhibition.

**AYRSHIRES.**

In this class there was very strong competition, several strong herds being brought out in good condition. The principal exhibitors were the Isaleigh Grange Farm, J. Logan, T. D. McCallum, Mr. McFarlane, of Trout River, and Mr. Blue, of Sherbrooke. Logan won first on old and young herds and diploma on bull of any age. The Isaleigh Grange Farm won diploma on best female, and first, second and third on a grand trio of aged cows, imported by the late manager of the Isaleigh Grange Farm. They are a grand lot, and are, without doubt, hard to equal on this side of the water. T. D. McCallum, of Danville, made his first exhibit, and brought out some very good animals, headed by the imported bull, Napoleon of Auchenbrain, who was first in his class. McFarlane had a fine exhibit, but was unable to get in on account of the strong competition.

The Isaleigh Grange Farm were the only exhibitors in Guernseys, and had, as usual, a string of well-fitted cattle.

**SHEEP.**

The Leicesters were a strong-contested class. The principal exhibitors were H. W. Burton, W. H. Martin, D. Baxter, J. Parnell, R. Frank, and Mr. Baldwin.

In the Shropshires, H. Roy, of Ormstown, was out with a flock of grand sheep well fitted. They won all firsts, seconds, and diploma for pen. Isaleigh Grange Farm came in for the balance of the prizes on some good sheep, but in field condition.

**SOUTHDOWNS.**

The Huntley Farm, Pt. Claire, had a strong string of well-fitted sheep in good show form, and won all firsts. H. I. Elliott, of Danville, had a string of good sheep out, but not fitted high enough to win in the strong competition brought out by the Huntley flock. He won the seconds, and Guy Carr, of Compton, the thirds.

**COTSWOLDS.**

Cotswolds were shown by A. & E. Girouard, of Quebec.

**CHEVIOTS.**

Cheviots were shown by Rushton Farm, R. Clark and Guy Carr.

**SWINE.**

In Berkshires, Martin, Stevens and Morrill were the principal exhibitors. The pen was won by John Lemoyne. In Chester Whites, A. J. Stevens won all firsts and diploma. Yorkshires were shown by A. Chupin, A. Gingras and J. Parnell. The latter won the pen. The display, on the whole, was good and in good shape.

The show of heavy horses was the smallest that the exhibition has ever had. No Clydesdales, and only three Percherons. The classes for light horses were well filled. The show, on the whole, was a success—good weather and big crowds.

**Toronto Industrial Exhibition.**

The live-stock display at the Industrial this year has well maintained the reputation of the Toronto Show as being unquestionably the greatest annual event of the kind on the continent of America. No other nearly equals it in the number of classes of pure-bred stock so well filled with the highest class of animals in breeding, quality and condition. This statement applies equally to horses, cattle, sheep, and swine; and also to poultry. The good prices prevailing for all classes of breeding stock, and the satisfactory market for nearly all live-stock products, has stimulated improvement, as was evidenced by the splendid display of animals of high-class quality that filed into the judging rings at Toronto last week. There was, indeed, scarcely a single weak class in any of the breeds, while in respect to the Shorthorns, among the beef breeds, and the Ayrshires, among the dairy breeds, it is a question whether the display has ever been excelled in the history of exhibitions in Canada. The list of entries in the live-stock catalogue, though not an absolutely reliable index of the number of animals present, since there are always some absentees and some duplicates, is yet sufficient for an approximate estimate, as there are always some which have been entered after the compiling of the catalogue. The list of entries is as follows: Horses, 910; cattle, 976; sheep, 497; swine, 362. The number of pigs is considerably lower than last year, partly owing to the fact that a number of breeders were also exhibiting at the Pan-American and had divided their forces, and partly to the unprecedented demand for breeding stock in sympathy with the bounding market for export bacon. The live-stock show at Toronto this year was more nearly of a Dominion or Pan-Canadian character than ever before, cattle and horses being in competition from the Provinces of Nova Scotia in the East and Manitoba in the West, while Quebec excelled herself in the number and character of her exhibits of cattle. This clearly indicates the possibility and practicability of realizing the Premier's suggestion that the Toronto Industrial should, owing to its central location, assume more than ever the character of a Dominion exhibition. Our report of the exhibits in the various departments of the show, which follows, has been carefully prepared by practical experts in each, and will be found the most complete account published.

**HORSES.**

The horse show alone at the Toronto Industrial is a large and worthy concern, equalling many of the special horse shows in quality, and far exceeding them in magnitude, taking in, as it does, many breeding and young horses not found in the modern horse show. The improving condition of the horse trade is telling on the exhibits, inasmuch as this year more well-fitted, superior stock was forward than ever before. There was an encouraging increase of entries, there being in all considerably over 900, as against 875 in 1900. The light-legged classes were much the same, as a whole, as in previous years, and except in Thoroughbreds were quite up to the best ever shown at Toronto. Probably the greatest improvement of all was seen in the Clydesdales, in which there were sections the like of which has never before been seen in a Canadian show-ring. The horse committee deserve commendation for their management of the system for getting the horses out. It was so arranged that the ring was kept well filled with interesting classes at the times of day when most spectators were in the covered stand. The system of calling out horses was also good and promptly looked after, and it was entirely the fault of men in charge of horses if they came out much ahead of time or too late to be judged; in fact, a man could not miss his class if he wished to show and attended to his business.

**THOROUGHBREDS.**—Since this breed has been so strongly recommended to place our light-legged horses on a good remount footing, it was hoped there would be a better exhibit this year than usual, especially among stallions. This was hoped when the Spring Horse Show brought forward a much stronger display than ever before, including a number of Irish stallions selected by Major Dent as suitable to sire remounts, but visitors were doomed to disappointment, since by far the poorest lot in years came forward. We have grown accustomed to look for exhibits from the breeding studs of R. Davies and Wm. Hendrie, but none of these came, and the exhibit was low; in fact, apart from the mature stallions and one or two young things, the eighteen entries had not much to recommend them. In the aged stallion section an entry from Portage la Prairie, Man., Dermot, by Master Kildair, owned by Wm. Fleming, had no opposition. This horse, for years a winner at Winnipeg Industrial and Brandon Western, is a first-rate specimen of the useful, deep-chested, strong-quartered and well-coupled sort. He was good enough to stand reserve for sweepstakes, won by Woodburn, by King Alphonso, and shown by Quinn Bros., Brampton, among stallions calculated to produce hunters and saddle horses. Against him was shown S. B. Fuller's Wyndham and W. Barber's Billetto, two excellent

sires and good individuals, of the heavier sort. Among the females the most noteworthy was a two-year-old bred by W. Hendrie, sired by Derwentwater, and shown by A. Reinhardt. The awards were placed by Messrs. R. Pringle, Co-bourg, and G. Torrence, Toronto.

**ROADSTERS.**—There was the usual well-filled entry in this class, there being in all some 80 entries in the breeding and young-stock class, and 50 shown in harness. The aged stallion section had seven animals in competition, ranging from very good to rather mediocre. Last year's sweepstake winner, Graham, Paxton & Callacutt's (Port Perry) Penville Boy, by Little Hamilton, was out in his first-rate form. He is a beautiful black, full of quality, and possesses no end of action, and has character and weight to make him useful as a roadster-horse sire. He was beaten, however, on this occasion by Joseph Chamberlain, by Joe Stanton, a more rangy horse, good in all his parts and gaits. The third-prize horse was Star Wilkes, a deep-chested, breedy son of Harry Wilkes. There were enough three-year-olds and no more to take the three awards. These were shown by Jno. Hill, Port Burwell; W. C. Brown, Meadowvale, and Jno. Dickie, Pickering. Hill's colt, a rangy roan, by Postmaster, won the best award; Brown coming 2nd, with a big, compact son of Charlie Ros; the 3rd entry, a plainer one, was sired by Frank Smith. A son of Altoner, owned by W. Doherty, Ellesmere, led in two-year-olds, of which there were only three; the 2nd falling to the get of the Thoroughbred Monotony, owned by W. G. Ellis, Toronto; and 3rd to Claughton Ward, for a get of the pacing Standard-bred Reflector. In yearlings, the tables turned, as Reflector's get won 1st, Altoner's 3rd, 2nd falling to Mr. R. Hemingway's Deacon J., by Deacon. The best stallion, any age, was found to be Joseph Chamberlain. When it came to fillies and geldings, there were larger classes, reaching as high as 13 entries in three-year-olds, and a good lot they were, requiring a long time to decide the winners. The first-prize winner was a fine, deep-chested chestnut, a good mover and looker, sired by Norwegian, and owned by J. W. Tooley. The 2nd fell to a breedy chestnut daughter of Manager, owned by A. Hutchinson, a filly well matured and full of promise. The third winner was of the more rangy type. In two-year-olds two fillies that will make a pair won 1st and 2nd in strong competition. They were s'ters, by Golden Jubilee, and owned by Boucher Bros., Huttonville. The 3rd fell to a bay son of Fakir, owned by I. L. Martin, Binbrook. The yearlings were a junior edition of the foregoing, as a get of Golden Jubilee led the string. He is a big chestnut, owned by Fuller Bros., Norval. A. P. Stewart was 2nd here on a daughter of Abdellah Stanton. A lot of good colts and fillies were much admired, and added to the beauty of the show, but could get no prizes, since there were none for them. It was gratifying, and also augurs well for this class of horses, that so many good brood mares as came out were not roaded out, but kept engaged in the stud. The fifteen brood mares with foals at foot were a really beautiful lot, and in much better show form than we usually see. They had character, breeding, and with it all, first-rate fitting in most instances. The 1st award was won by R. Watson, Don, on Dolly, a former victor at this show. Her foal by Haltoneer won 3rd award. The 2nd-prize mare was shown by Dr. B. Gallop, and sired by Princeton. She is a particularly good one, and her foal by the Hackney Woodland's Performer won 1st. A Little Hamilton mare won 3rd for H. Mathews, and the 2nd-prize foal was a beauty, by the Standard-bred Golden Jubilee. There was abundance of material in the last two sections to provide a good show in years to come.

The harnessed roadsters contained some really good material. In pairs 15½ to 16 hands, the entry was small and some previously shown animals were there. Miss K. L. Wilkes won on a pair by Dashwood, well mated, of good form and rapid goers. P. S. Lawrison, with gets of King Bob, won 2nd; and J. C. Deitrich, Galt, came 3rd, on a breedy pair by Axland. In smaller pairs the champion mare of the Roadster class was found—Wilkey Belle, by Wildmont, mated with Altonette, by Altoner. They were beautifully mated and would attract attention in any company. They are owned by Dr. Gallanough and T. H. Richards, Thornhill. Miss Wilkes won 2nd on May and Mable, and John Watson 3rd, on a pair of smart blacks by Wedgeblock, in a right good company. The single sections were large and fine, there being many not only beautiful, well-bred horses shown, but speedy as well. In the larger lot, A. Yeager won 1st, W. T. Merry 2nd, and A. A. Hood 3rd; the awards in the smaller roadsters going to J. McFarren, J. A. Tovell, and J. Hooper. This class was judged by Dr. Elliott, V. S., St. Catharines, and G. A. Rutledge, M. P., Lambeth, and except for the lamentable, untimely, fatal accident to that highly esteemed and judicious horse-man, the late Mr. A. Choate, Port Hope, he would have assisted, as frequently before, in placing the awards.

**STANDARD-BRED TROTTERS.** This class is select. There were nine stallions forward, four years old and upwards, and some of the recog-

nized best horses of the breed had to leave the ring unmarked by ribbon honors, so that the prizewinners might be justly proud of their victories. The well-bred chestnut, Keswick, by Jay Gould, owned by G. W. Curtis, Lindsay, has the desirable characteristics of a road-horse or even a race-horse sire. He has beauty of form, also conformation to give strength and freedom of action, and a disposition and constitution to carry him through a heavy campaign. He won 1st, and was followed closely by the hardy, useful pride of his owner, Dashwood, by Sentinel Wilkes, owned by J. Wetherill, Galt. Dashwood is a deep-chested, powerful fellow, bay in color, rapid in action, and gets prizewinners. Again a chestnut comes in, N. A. Wilson's Bourbonnais, by Bourbon Wilkes, a rapid-going horse that is popular about his home. Such good horses as Pavonia, Altoner, Hawley Chimes, Postmaster and others had to leave the ring unplaced. The younger stallion sections were light, never more than two competing. The three-year-old Lord Norfolk, by W. M. Hill, a sweet colt and a speedy one, defeated Jim Bryson, by Bryson, and the two-year-old Brian Boru, by Wildbrino, defeated Lionel, by Wiry Jim. The former, a good individual, spreads a bit at high speed, and the latter mixes his gaits. Ben Bolt, by Vrowsky, was the only yearling shown. Keswick is easily the best first-prize horse in this class.

The filly and gelding sections were light, as were also mares and foals, and single horse or mare in harness. In three-year-olds, a get of Almont Wilkes won 1st; of Axland, 2nd; and of Altoner, 3rd. In two-year-olds, an Altoner led, and a daughter of Sylvio came 2nd, there being no 3rd entry. Hickory Maid won 1st in yearlings, a get of Axland 2nd, and of Altoner 3rd. They were a breedy lot, and brought out in generally creditable condition. Woodstock Queen, by Keswick, won 1st, as did also her foal by Wildbrino. Miss Sterling, by Twilight, was next brood mare, and her foal, also by Wildbrino, was 2nd, the two 3rds going to Alma Snell and her foal by Golden Jubilee. Four entries competed in harness, and they were a credit to the breed, being good lookers, clever and speedy. Leora Wright, by Lorraine, won 1st; Jessie McLaughlin, by Customer, 2nd; and Donna Alto, by Sunny Alto, 3rd. Dr. M. H. Ten Eyck, Hamilton, and H. Scott, Caledonia, judged this class.

**CARRIAGE AND COACH.**—The increasing demand for high-class heavy harness horses is having an improving influence upon this class of horses. This year the entry was not large, and was mixed up considerably in breeding, as the blood of practically all the recognized light-legged breeds in this country was represented. In the four mature stallions shown, the trotting and coach bred Performer, by Phenomenon, owned by A. Little, Georgetown, won 1st, and later sweepstakes honors. He is an upstanding, powerful horse, prepossessing in appearance and dashing in action. The former winner, Prince George, by Prince Victor, and owned by W. C. Brown, Meadowvale, won 2nd. He is a fine specimen of the coach rather than carriage type. Harris & Grou, Schomberg, won 3rd on Candidate, a big, rather plain horse, and T. H. Hassard, Millbrook, got nothing on Mark d'Or, a nice-topped, plain-legged fellow, bred in France. A get of the Thoroughbred Wiley Buckles won 1st in three-year-olds, Lord Roberts by name, and shown by J. L. Reid, Derry West. A big, good-looking colt by Waterick 3rd, but lacking in dash and carriage action, won 2nd. Wiley Buckles' get again won for J. L. Reid in two-year-olds, followed by Banko and Prince Arthur. All the prizewinners in yearling colts were sired by Thoroughbred horses, and to our mind should be castrated, when they would become really useful horses.

The filly or gelding sections were interesting, inasmuch as they were large in numbers, well brought out, and contained first-rate individuals. The expert harness horse-men, Messrs. Crow & Murray, have a grand filly in Silverlocks, by Black Rock, and out of a Hackney dam, on which they won 1st in the three-year-old section. She is large enough, of grand type, and a beautiful actor. The 2nd and 3rd prize fillies were of the same fine pattern, upstanding and sweet, but scarce so good in action. They were shown by W. H. McDowell and Geo. Pepper. The two-year-old and yearling sections were both good, or, at least, contained more than enough good ones to carry off the respective ribbons worthily. Only three mares with foals contested, but they were creditable to their owners and worthy of Toronto Industrial prize money. W. C. Brown won 1st on the mare, Princess Royal, by Prince Alexander, her foal by Prince George standing 3rd. Wm. Scott, Milton, won 2nd on a mare and foal, the former by Valentine and the latter by Picador. J. T. Reid's 3rd-prize mare, Fuchsia, by Shining Light, had the 1st-prize foal, by Prince Arthur, so that each of the three competitors won a fair share of the honors and money offered.

Among the most interesting harnessed sections at the show were those in the Carriage class. It was here that the finished product of this class of stock was presented in most attractive form. In double harness, Crow & Murray won 1st in either

section, the larger pair being beautiful, dashing blacks, and the smaller equally as attractive bays, hitched and driven to please the most exacting horseman. While the breeding of some of them could not be learned, it may be safely stated that they contain Hackney blood, since their action was trappy as well as forceful and rapid. There was a big entry in both single and double harness, and the champion mare was found in the single class from 15½ to 16 hands, in the chestnut, Winnie Auber, by J. I. Case, and owned by J. Ross Robertson. The class was judged by F. Ashenden, New York, and Robt. Graham, Ringwood, Ont.

**HACKNEYS.**—There is no more attractive class of horses shown at Toronto than the Hackneys, as nearly every section contains beauty of form, style and gracefulness of action and intelligence that all horsemen admire. The entry was not a large one, but the animals were select, fitted and schooled. For the first time in years that strong supporter of the Hackney and good horseman, H. N. Crossley, was absent from the competitive ring, but animals of his breeding were there and won honors. In the aged stallion section chestnut was the prevailing color, as each of the five entries shown was of that particular hue. The newcomer in 1900, Bell Boy, owned by D. J. Watson, Howick, Que., has improved since last year, and on this occasion went to the top, defeating the frequent victor, Squire Rickell, owned by R. Beith, Bowmanville, who, while in good flesh and finish, lacked sadly on this occasion in the first-rate action he has shown in former conflicts. No doubt heavy stud duties have engaged him this year; at any rate, he lacked fire and dash, and did not get above third place. The best actor of the lot, and a right good horse, was Woodland's Performer, by Barthorpe Performer, and out of Mr. O. Sorby's Miss Baker. Graham Bros.' Stampede, by Wildfire, and E. C. Attrill's Langlois Danegelt, by Langton Performer, were the remaining entries, and good ones in any country. It was sad to see a lonely entry in each of the three colt and three filly sections, but there was not a weak one amongst them. Bawden & McDonell's three-year-old Connaught's Heir made his first appearance in a Canadian show-ring last spring at Toronto, and he made a good impression. Mr. O. Sorby's two-year-old brown Guelph Performer, by Square Shot, is a credit to the stud; while Graham Bros.' yearling Lord Brilliant is a promising colt. Bell Boy proved himself the champion stallion, to the satisfaction of the judges, R. P. Sterricker, East Orange, N. J., and R. Gibson, Delaware, Ont.

The three fillies shown were R. Beith's Hermia, by Royal Standard; Titania, and Princess Feodora, each by Squire Rickell. They are each well-nigh typical Hackneys, and deserved greater honor than to win by default. The brood mares and foals did not allow of such a walk-over, as the awards were keenly contested. Mr. Beith showed Mona's Queen, Wild Mint, and Lady Brookfield; O. Sorby showed Miss Baker, and Graham Bros. had out Trinket. They are all English-bred but Lady Brookfield, by Cadet, who commenced her career at Landsdale, Pa. The mares each had a nice foal at foot. Miss Baker has seldom if ever been defeated, and she again laid claim to first honors, also sweepstakes, her foal by Jubilee Chief standing second. That great matron, Mona's Queen, the dam of Banquo, Jessica, Hermia and other good ones, stood 2nd, her foal by Squire Rickell defeating all her rivals. Beith's Wild Mint won 3rd, and Graham Bros.' Storm King, by Lord Roseberry, won 2nd as a foal. The 1st award for single mare or gelding in harness was won by G. A. Stinson, on the Rosseau-bred Rosseau Jewel, by Rosseau Performer. The English Hackney medal for female was won by Mona's Queen, and for stallion, by Guelph Performer. High-steppers, dog-cart and cob horses in harness put up brilliant performances and displays, there being some 50-entries in all in the various harnessed sections.

**CLYDESDALES.**—A good show of Clydesdales was expected this year, and the exhibit left no room for disappointment, as there were some eighty entries made and most of them were present. John Boag (Ravenshoe) and Peter Christie placed the awards, except in the section for three-year-old stallion, where Mr. Boag's brother was showing, and there Mr. R. P. Sterricker took judge Boag's place. The class was a difficult one to decide upon in the different sections, and when the awards were all made there was as little dissatisfaction expressed as has ever occurred at this show in our recollection. The first class called was for stallion and four of his progeny, the latter not to be over two years old. Here two notable sires met with their families around them. Mr. O. Sorby had his stock horse, Lord Charming, along with the two-year-old Charming Lad and Miss Charming, and the yearling Lord Stanley and Charming Sunflower, four choice representatives, bearing a strong family resemblance. Graham Bros. had the grand old horse, Macqueen, now 16 years old, and very fresh, with three yearlings and a foal, also choice individuals and strikingly alike. The latter lot have a bit more bone, and won the 1st award

In stallion entries ca thick-bodied each one a safe horse Gold was his quality in better Canada. such a horse bulging in hard, flat similar to feather, p ture, and portance of much cl wood, and nesota. B Gold, poss off a bit a had the 3r under a c wearing t 4th place good-legge goes. The cult to pla and scarce judging co dicted that class wou proved cor Royal Cair big, showy muscular f grand hon small hon win 2nd ho



Clydesdale mares

Canada, aft cessful both company, a of the fam by R. Ness, came 3rd in few best in to further horse. Bar good ones came from olds, Grah son of Han Wisconsin. older stable and furnish stantial sor tion; the 3 McColl, by tion that p there being them. They that done, horse. Bold sults for y Sorby, and Mary's), as lect were hi Macqueen. men that would have yearlings of han, St. M dale horses, horseman n Bold Boy's

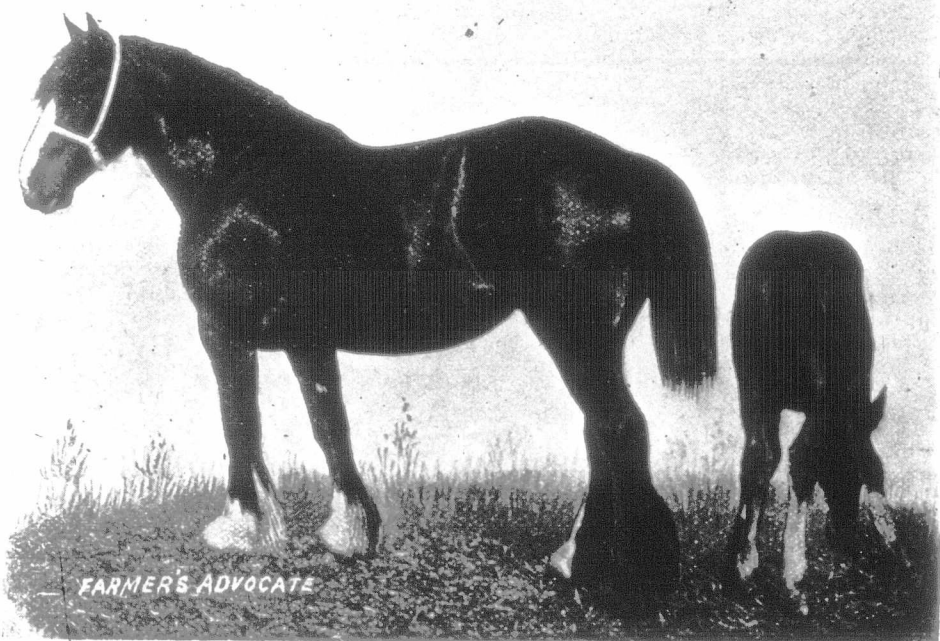
In stallions four years and over, six out of ten entries came out, and a rare good lot they were, thick-bodied, deep-chested, good-legged horses, each one a credit to his owner and the breed and a safe horse to use. Mr. O. Sorby's Cloth of Gold was looked upon as the likely winner, as his quality can scarcely be faulted, while he was in better fit than he has before appeared in Canada. It is a rare treat to see and examine such a horse as he is, being smoothness itself, bulging in his muscles, and with the cleanest of hard, flat bone, presenting the cords to view, similar to a blood horse. He has the silkiest of feather, plenty of hoof of proper shape and texture, and he is a right good mover. Next in importance came Graham Bros.' Burnbrae, a horse of much character and good parts, sired by Rosewood, and bred by N. P. Clark, St. Cloud, Minnesota. Burnbrae is a larger horse than Cloth of Gold, possesses nearly as perfect a body, but falls off a bit at the ground. R. Ness, Howick, Que., had the 3rd horse in Merchiston, by Prince Alexander, a compact, hardy, useful horse of the wearing type. Innes & Hill, Sonya, came into 4th place with Marquis, by Royalist, a low-set, good-legged horse that is first-rate as far as he goes. The three-year-olds were equally as difficult to place, as there were ten of them present and scarce a weak one in the lot. Before the judging commenced it was quite generally predicted that Graham Bros.' Royal Cairnton in this class would win sweepstake honors, and this proved correct, besides securing 1st in his class. Royal Cairnton, by Royal Standard (9847), is a big, showy horse, of the fine, flash type. He is a muscular fellow, full of Clyde character, and a grand horse at the walk and trot. It was no small honor for Mr. H. G. Boag, Churchill, to win 2nd here with Lyon Stewart, a colt bred in

colts, much alike, and fine movers. The colt that came between them was Macqueen's Model, owned by Jno. W. Cowie, Markham. This colt is well named, as he is of the same robust, good sort as his illustrious sire.

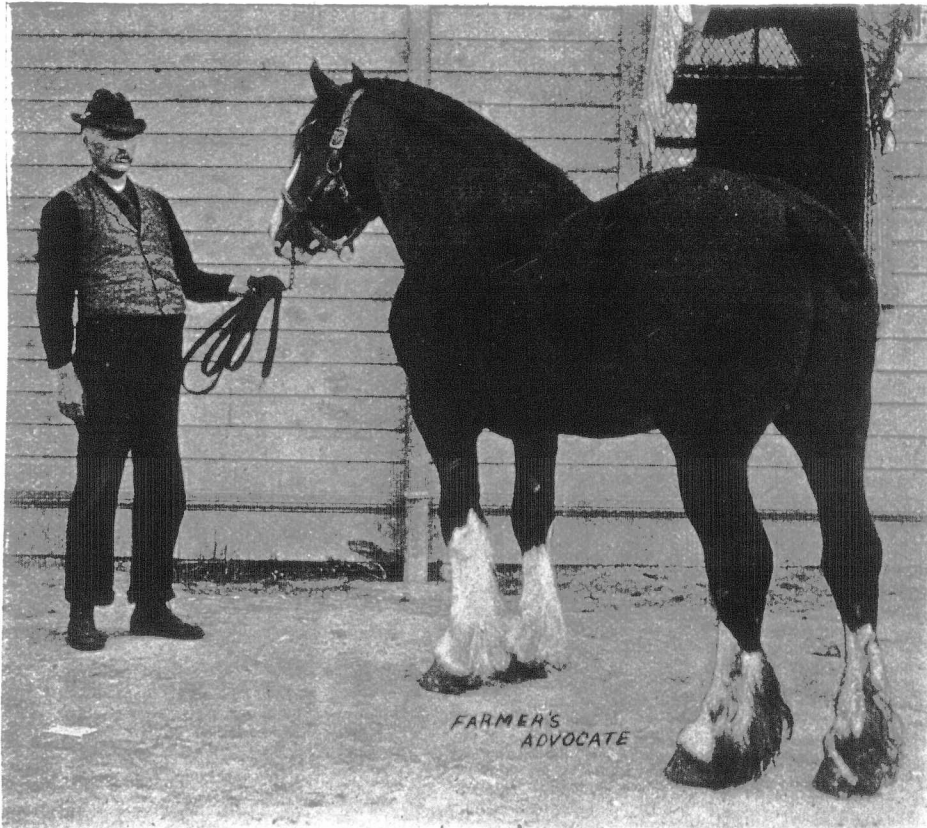
Fillies and mares with foals at foot were more easily judged, as they were much less to look over. In three-year-olds the best mare of the class was found in Graham Bros.' Cherry Startle, a strong, smooth daughter of Startle, bred by Col. R. Hollaway, III. She defeated her stable mate, Charming Lady, also a choice one and full sister to Sorby's Lord Charming and as like him as a sister ought to be. Jas. Bowman, Guelph, came 3rd, on a plainer but useful sort, in Princess of Elm Park, by Macclinker. There were three in each of the two-year-old and yearling sections. In the former, Wm. Rae, St. Mary's, won 1st on a beautiful daughter of Bold Boy, a mare that will win her way on her merits. R. Ness won 2nd on Look-Me-Over, by Lawrence Again, a neat filly, with quality; and Graham Bros. came 3rd on a showy but short-ribbed get of Two-in-One. In yearlings, Hodgkinson & Tisdale came out ahead with Royal Queen, by Macqueen; John Savage 2nd, with Charming Sunflower, by Lord Charming; and R. Ness 3rd, with Look Again, by Plow Boy; three good fillies. The brood mares shown were J. W. Cowie's Nellie Rosewood, with foal by Macqueen, that won 1st and 2nd, respectively; Graham Bros.' Moss Ross, with her foal by Macqueen, that won 2nd and 1st, respectively; and O. Sorby's Miss Stanley, with her foal by Lord

Morning. These are colts of good quality and fair size. Again, three times in succession, sections were represented without competition. Morris, Stone & Wellington had one each of yearling colt, three-year-old, also two-year-old filly, good representatives sired by Vulcan 2nd, Ingram 2nd, and Pride of Hatfield. In yearling fillies, Morris, Stone & Wellington, with Birdie, by Bahallon Vulcan, defeated C. S. Gardhouse's (Humber) Black Diamond, by Darnley. Bawden & McDonell have a grand brood mare in Nelly, by Orphan Boy, who, with her foal by Belshazzar, won two firsts; the 2nd being taken by Morris, Stone & Wellington's Leta, by Chieftain 2nd, and her foal by Mars. The best mare any age was found in Laura, by Pride of Hatfield, owned by John Gardhouse, one of the first-prize pair in heavy-draft teams, of which there were many good ones. Belshazzar won the sweepstakes award for stallion any age.

HEAVY DRAFT HORSES (Canadian-bred).— There was a time, not long ago, when a fair horse could win in this class, but it requires more than an ordinary individual to take away the red ribbon at the more recent Industrial contests. The Shire judges placed the awards here, and some of the sections required a deal of consideration. There were four entries in aged stallions, and probably the heaviest Clydesdale at the exposition was left unplaced. We refer to Devitt & Sons' Grandeur 2nd, by Grandeur. With all his size he is not rough, and has a good set of legs and feet, but the judges faulted him for lacking character. He ought to get selling exporters,



**PRINCESS PATRICIA, AND FOAL, CHARMING PRINCESS.**  
Clydesdale mare, won first at Minnesota State Fair as a yearling, also as a two-year-old; first and sweepstakes at Calgary, and same at Winnipeg, 1901. The foal, by O. Sorby's Lord Charming, won first at Calgary and Winnipeg Fairs.  
OWNED BY J. A. TURNER, MILLARVILLE, ALTA.



**GLEN LAD [2250].**  
Clydesdale stallion, winner of first prize and reserve for sweepstakes in heavy draft class, Toronto Industrial, 1901.  
OWNED AND EXHIBITED BY JAS. HENDERSON, BELTON, ONT.

Canada, after a heavy stud season. He was successful both here and at London last year in good company, and he has improved since then. A son of the famous Baron's Pride, Copyright, owned by R. Ness, also a victorious show colt last year, came 3rd. This colt is undoubtedly one of the few best in Canada to-day, and is maturing right to further distinguish himself as a full-grown horse. Baron Frederick, Baron Lang and other good ones had to return to their stalls as they came from them. In a section of four two-year-olds, Graham Bros. led with a very fit and flash son of Handsome Prince, bred by R. B. Ogilvie, Wisconsin. He is well up and much like his year-old stablemate, Royal Cairnton, in form, color and furnishing. R. Ness won 2nd on a tidy, substantial son of Lawrence Again, named Laurentian; the 3rd going to Eaid & Everett, for Joek McColl, by Brougham. It was the yearling section that produced the sensation at the show, there being 11 out and not a bad one amongst them. They took a deal of looking over, and that done, it was a great day for the good old horse, Bold Boy (that was used with good results for years in the stud of Messrs. D. & O. Sorby, and now at home with Wm. Rae, St. Mary's), as four of the six drawn in the short list were his sons, the other two being sired by Macqueen. It was remarked by many good horsemen that the five colts sent out of the ring would have compared favorably with the best yearlings of many former years. Mr. J. Whelihan, St. Mary's, is a new exhibitor of Clydesdale horses, and he has established himself as a horse man in capturing the 1st and 3rd here on Bold Boy's Heir and Bold Boy 2nd, cracking fine

Charming, each of which stood 3rd. Cherry Sweet, with two of her progeny, won the award for mare with two of her offspring.

SHIRE HORSES.—There were twenty entries in this popular English cart-horse breed, that was judged on this occasion by John Davidson, Ashburn; Wm. Simpson, Hillsburg, and Thos. Scott, Sutton West. That already well-known and invincible horse, Belshazzar, owned by Bawden & McDonell, Exeter, was the only horse forward with family of four. He had plenty of company in the aged stallion section, but won easily. It took the judges considerable time to place the 2nd ribbon, the contending competitors being W. Rae's (St. Paul's) Calthorpe Loyalty and Bawden & McDonell's Wilcott Thumper. They are both of the hefty sort, with good ends and middles and plenty of bone, but the Rae horse has a bit more quality at the ground, and he moves well. Wilcott Thumper is one of the monsters of the breed, and he should do much good in his stud section. E. C. Attrill, Godrich, has a first-rate horse in Desford Marquis, having much of the same good outline as Belshazzar, but his underpinning would not please a Clydesdale man. Bawden & McDonell won by default, with the three-year-old Royal Gauger, a showy, flat-boned, good colt, bred in Wales. Two-year-olds were not so easy on the judges, as there was material enough for all the premiums offered, and one to spare. J. B. Hogate, Sarnia, won 1st on Wryeland's Chancellor, an imported colt, of good parts and abundance of size. The 2nd and 3rd fell to sons of the frequent winner, Pride of Hatfield. Morris, Stone & Wellington won 2nd on Pelham Boy; and John Gardhouse 3rd, on Pride of

however. A showy fellow, with choice timber, good ends, plenty of style and the choicest of action, won 1st for Jas. Henderson, Belton. He is Glen Lad, and was sired by Glenlyon Chief. The 2nd award went to T. D. Elliott's (Bolton) Prince Edward, by Gay Prince, a low-set, gamy fellow of the go-ahead sort. D. McPhaden, Cresswell, won 3rd on Craichmore, by Craichmore Darnley, a good sort of draft horse, with rather indifferent action. The sweepstakes horse was found in H. G. Boag's (Churchill) General Bobs, by Marquis of Salisbury, a very choice young horse, with very few and very slight faults. His ends are right, he has enough bone of good quality, strong, smooth joint, and a beautiful carriage. Dr. Watson, Howick, Que., won 2nd on a son of Lawrence Again, a smooth colt, needing size; and Devitt & Son 3rd, with a neat son of Douglas Macpherson. The two-year-olds were a good lot of four, and were well fitted. J. W. Cowie, Markham, won 1st with Bay Chief, by Lord Wellington, a big colt, full of quality. Sorby's Charming Lad, by Lord Charming, would not have been far wrong in 1st place, as he has quality to spare and fair size. He was placed second; Graham Bros.' Gladstone, by Granite, a flashy little block, standing in 3rd place. P. H. Petrie, Stratford, won 1st and 2nd on heavy draft geldings, and J. W. Linstead 3rd.

The filly sections were well filled. The five three-year-olds were a fair lot, but the two-year-olds were better. In three-year-olds, P. H. Petrie won 1st on Mag, a big-boned, useful mare. J. W. Cowie won 2nd, on Miss McFarlane, by Gold Brown; and Alex. Doherty 3rd, on Glen Ina, by McQueen. There was no doubt a mistake

made by the judges in placing the two-year-old filly, Royal Clara, owned by Hodgkinson & Tisdale, ahead of Sorby's Miss Charming, a much superior filly in many particulars, as her quality was about faultless, and her size exceeded Royal Clara. In our judgment, Miss Charming was the champion female of the class, but she is none the worse as an individual for taking 2nd ribbon. Geo. Crawford, Oro Station, won 3rd on May Belle, by Mountain Chief, a useful filly, lacking breed character. In yearlings, Crawford won 1st on Roseola, by Montrave Chief, a good-bodied filly. Hodgkinson & Tisdale won 2nd on Royal Bounce, by The Royal Standard, and J. H. Petrie 3rd, on Bessie. While there were eight entries in brood mares, only some four came out to face the judges. Alex. Doherty had an easy thing in Daisy Belle, a roomy matron, of good Clydesdale character. She also won with 2nd of her progeny. Hodgkinson & Tisdale won 2nd on the mare, Moss Rose, and 2nd on her foal by Lord Early; the 3rd mare award being taken by Crawford's Moss Bank, the dam of his yearling and two-year-old fillies. Bowden & McDonell won 1st and 3rd on choice females by Belshazzar.

In teams, the best lot shown here in years competed for honors. It was a difficult matter to decide among seven where the awards should be placed. They were repeatedly looked over, walked and jogged, and finally unhitched from the wagons, and then the decision was slow. John Gardhouse showed the pure-bred Shire mares, Laura and Violet, both by Pride of Hatfield. O. Sorby had out his valuable Clydesdale mares, Diana McKay and Sonsie Lass, that did not mate first-rate. Hodgkinson & Tisdale presented for inspection a very hefty pair of horses, well matched and fitted, by Pride of Perth and Lord Lieutenant. P. H. Petrie's pair consisted of Bruce and Wallace, beautifully-mated sons of Bold Boy, just three years old; and they all won in the order named, giving the Shire breed a victory not often secured in Canada.

**HORSES FOR GENERAL PURPOSES.**—This class calls for horses that will go suitably in road or work harness, or under the saddle, and usually consists of misfits of several other classes. The entry this year was light, there being less than 25 out for competition. They were chiefly clean-legged, useful horses, sired by Thoroughbred, trotting and carriage sires, and the awards gave no particular breed a preference for its get.

**HUNTERS AND SADDLE HORSES.**—In the various sections shown under saddle there were about 170 entries, most of them high-grade and pure-bred Thoroughbreds. A large majority of them were from Toronto stables, but a few from London and other places swelled the exhibit and carried away honors. The most extensive exhibitor at all was Mr. Geo. Pepper, Toronto, whose horses were well schooled for their respective work, whether for lady's saddle, heavy-weight hunter, or to take the jumps. Mr. L. Meredith, London, was also a successful competitor in various conflicts, although we have seen him with a better lot of horses.

#### CATTLE.

**SHORTHORNS.**—Not since the palmy days when the Hillhurst and Bow Park herds were at the height of their fame has such a display of high-class Shorthorns been seen at a Canadian exhibition as that concentrated at Toronto last week. It seemed in some respects like a case of history repeating itself, with some of the same actors in the play as in that of twenty years ago, to see James Smith, erstwhile herdsman at Bow Park, and now manager of the Trout Creek herd, carrying red ribbons out of the ring at the head of Royal winners as in days of yore, and Willie Watt keeping up the reputation of his firm and of Canada for home-bred winners of the right sort. But there were new actors in the drama this year, as on this occasion the enterprising importer and breeder, W. D. Flatt, of Hamilton, who in the last few years has been an inspiration in Shorthorn circles, made his debut as an exhibitor, and in this, as in all he undertakes, he played to win. The appearance for the first time at Toronto of a Shorthorn show herd from the United States, that of Mr. W. A. Boland (a wealthy electric-railway owner whose "Grey Tower" farm is at Grass Lake, Michigan), under the able management of Maurice Douglas, gave to the contest a somewhat international character, for the Grey Tower herd ranks high among the very best in all the States. The Province of Manitoba contributed a strong contingent in the Prairie Home show herd of Hon. Thos. Greenway, of Crystal City (in charge of Manager James Yule), fresh from its victory as the first-prize winning herd at the Provincial Industrial Exhibition at Winnipeg, in July, and including the champions of the breed there, a grand lot of cattle, but, owing to the long campaign of fairs and freighting in the hot weather, having lost much of the bloom with which they started out. In addition to these, there were present selections from the herds of the following breeders: J. & W. B. Watt, Salem; E. Jeffs & Son, Bondhead; J. & A. Somerville, Elder's Mills; Goodfellow Bros., Maceville; W. C. Edwards & Co., Rockland; G. D. Fletcher, Binkham; J. A. Crerar, Shilo; and Geo. Crawford, Oro Station; Me-

Donald Bros., Woodstock; D. Talbot & Son, Everton, and Jas. Leask, Greenbank.

The section for bulls four years old and upwards was filled by three good animals, one of which, Valiant, a rich roan, bred by Harry Smith, of Hay, sired by Abbotsford, and shown by Mr. Flatt, was, in addition to the first honors in his class, awarded the senior male championship of the breed. He is a typical Scotch Shorthorn, compact, low-set, thick-fleshed, full of quality, and strong in breed character. The second-prize winner was Gwen Allen, a red and white four-year-old, bred by Mitchell & Sons, Illinois, and shown by W. C. Edwards & Co. He is a smoothly-turned bull, of a good stamp, and shown in moderate condition. The third place was filled by Mr. Greenway's George Bruce, who was the first-prize two-year-old at Toronto two years ago in the herd of Capt. T. E. Robson. He has grown into a massive, heavy-fleshed bull, and has had a very successful showy career. The three-year-old bulls were five in number, and a strong class. The contest for first place lay between Mr. Flatt's imported white bull, Speculation, bred by Mr. Hosken, Cornwall, England, and Mr. Boland's Deputy Marshal, a red son of Sharon Marshal and English Lady 13th. The white bull is exceedingly straight in his lines, smoothly fleshed and of fine quality, and was a strong claimant for first honors, but the judges tied to the red, and met but little criticism, as he is a bull of splendid presence, stylish, straight lined, smoothly-turned, and full of fine masculine character and constitutional vigor. The third prize went to J. A. Crerar's Imp. Mayfly, by Captain of the Guard, a right good bull, showing fine breed character and well filled in all points. Spicy Robin, a long, level, well-furnished bull, bred by J. & W. Watt, and shown by G. D. Fletcher, fell into fourth place. He is a bull of fine character, and with more fitting would make a strong show bull, and his calves proclaim him a capital breeder. Two-year-old bulls made a very strong section. There were five entries, and these included the white bull, First Choice, bred by the Watts, of Salem, and now owned by Messrs. Somerville. He was the sweepstakes bull at Toronto last year, in the hands of Capt. Robson, and has gone on exceedingly well, having grown towards the ground and widened as well, while retaining his smoothness and thickness of flesh and fine handling quality. He is a hard one to beat in any company, and not a few would have tied to him for first place, but the judges were taken with the type of the Trout Creek entry, the roan Lord Banff, a bull of fine character and stamp, with a model head and proud carriage, and all the appearance of making a first-class sire. He was, after much consideration, moved into first place, and the Manitoba champion, Sittyton Hero 7th, bred by Mr. James I. Davidson, and shown in Mr. Greenway's string, had to be content here with third position. He is a bull of fine quality and straight lines, but the long haul had taken the bloom off him for the present. He will come again, however, and will doubtless make it more interesting later on. The senior yearling class was well filled with eight entries, from which selection for first place was made of Messrs. Watt's red bull, Royal Wonder, the first-prize calf under a year here last year, a son of Imp. Royal Sailor and English Lady 11th. He is undoubtedly one of the best bulls bred in Canada in many years, being true to type, straight, smooth and full of character. His strongest rival was Mr. Flatt's Knight Errant, a thick, sappy roan, bred by W. C. Edwards & Co., and sired by British Knight. He was placed fifth here among bull calves under a year in 1900, but by many considered worthy of a better place, and time has proven the correctness of that opinion, as he is now one of the best and most promising young bulls in the Dominion, having grand quality of hair and flesh and the walk of a winner. Only two were entered in the junior yearling class, but a worthy winner was Hillcrest Hero, a handsome and well-formed red bull, bred by the exhibitor, D. Talbot & Son. Bull calves under six months and under a year were out to the number of a score, and were a good average lot, but without outstanding excellence. The first position was, however, by general consent, given to Jas. Leask's red Moneyfuffel Banner, sired by the Watt-bred Royal Banner; the second to Boland's red Gay Marshal; third to Watt's roan King Tom; fourth to Flatt's Britannia Duke, by Imp. Christopher; and fifth to Goodfellow's Shining Light, by Grand Gloster. The junior male championship went to Watt's yearling bull, Royal Wonder, and, as before stated, the senior championship to Flatt's four-year-old Valiant. Bull calves under six months were a nice even lot, in which the winner was Edwards & Co.'s light roan son of Marquis of Zenda; Fletcher's Mysie's Prince, a handsome, stylish calf, by Spicy Robin, coming in for second, and Jeffs' Duke of Roseberry, by Prince Arthur, for third prize.

It is many years since five as good cows have been seen on a Toronto fair ground as those that faced the judges on this occasion. The tug for supremacy was between Mr. Flatt's imported Empress 12th, first-prize winner at the Royal

Show last year as a three-year-old and reserve for the female championship at the same show, and Mr. Boland's Lady Sharon 4th, first-prize cow and senior female champion at the Chicago International Exhibition last year. She is red of the good old Syme family of cattle, bred at Redkirk, Scotland, and imported to Canada many years ago by the Millers, of Markham and Pickering, was sired by a Renick Rose of Sharon bull and has a cross of Barmpton Hero in her breeding. She is a great cow, immense in her width and depth of form, with a sweet head, a lovely bosom, full twist, and is active as a yearling, and a regular breeder, though she has been trained for the showing for years, having been one of the show string of the herd of Aaron Barber, of N. Y. It required an uncommonly good one to turn her down, but she met her match in Empress 12th, who is perhaps the equal of any cow ever shown in Canada. She, like her rival, is a breeder and looks it, yet is free from paunchiness, and shows a model Shorthorn form, with heavily-fleshed back and loin, splendidly-sprung ribs, elegantly-moulded shoulders, a handsome, cowy head, full crops and the finest quality of flesh. There was no other place for her but at the head of the line, and there she was sent, with Lady Sharon 4th in second place, and Mr. Greenway's imported Jenny Lind, the champion at the Winnipeg Show this summer, in third place. She is a grand cow too, and in any other company than the exceptional pair she met here would be a strong candidate for premier position. She is lengthy, level, smooth, and full of good quality and character. Her herd mate, the smoothly-turned Frieda, by Abbotsford, well known as a winner in former years in the hands of Harry Smith, her breeder, now in the herd of Mr. Greenway, made an acceptable fourth; and Crerar's imported Bellachin Daisy, a good fifth. Three-year-old cows were by common consent led by the peerless roan, imported Cicely, bred by Mr. Flatt. She has all her life had a winning way, having been practically unbeaten in England, and she probably never met a more formidable rival than she found here in Empress 12th, in the contest for the championship, but she has such a captivating appearance that the judges could not find it in their hearts to turn her down. Cicely is Scotch-topped in her breeding, and all Scotch in her conformation; standing on very short legs, she looks not large; but lying down, she covers a lot of ground. She has wonderful width and thickness, a beautifully blended pair of shoulders, a sweet face, grandly-arched ribs and well-covered back, a great chest floor, and full twist. If she were a few inches longer in her hind quarters she would be absolutely perfect, but, as the Scotchman said, "There's aye something." It was a curious coincidence that the second-prize winner was also found in a heifer bred by the late Queen, the white May Blossom, of the same herd. She is of a different type, having greater scale and standing further from the ground, but smooth, well fleshed, and promising to make a grand cow. A strong competitor, and one of a popular type, is Crerar's Imp. Gem of Bellachin, a breezy-looking red and white, by Mutineer, which well filled the third place and was favorite with many for a higher position.

A class of 10 two-year-old heifers was the best all-round and most uniform ever seen on this ground, and they were not easily placed after the premier position was conceded, as it was by common consent, to Boland's red heifer, Lady Sharon 6th, of the same family as the second-prize cow, and sired by Scottish Chief. She has almost faultless form, a thickly-fleshed back and fine character. It must have grieved the judges to pass by her stable mate, Carrie Abbotsburn, the charming daughter of the noted prizewinning cow, Mary Abbotsburn 7th, by the World's Fair champion, for she is a grandly good one, but a sweet second was found in Imp. Lady Waterloo B. 2nd, of the Trout Creek string, and the beautifully-moulded Village Princess, by Abbotsford, of the Greenway herd, made a fitting number for third place, being followed by another of the Trout Creek contingent, Ascot Mayflower, a wealthy-fleshed heifer of larger scale. This rating left out several heifers good enough to be called first-class in any country, among which was Carrie Abbotsburn, Matchless 25th and Lavinia's Blossom, the latter two of which were in the prize list as yearlings at Toronto last year. Yearling heifers were divided into two classes, those calved before Feb. 1st, 1900, and those born on or after that date. There were nine out in the senior section, and a capital class they were. The first choice seemed to be soon narrowed down to a selection between Flatt's Lady Hamilton, by Marquis of Zenda, a thick, deep-ribbed and attractive heifer, which was bred and shown last year as a calf under a year by Mr. Edwards, getting into the prize list here and second at the Chicago Show in December, and the white heifer, Snowball W. of the Michigan herd, a Scotch-topped Young Phyllis, by Blue Jeans, that was so smooth and full in all points that she was hard to pass by. Crerar's Gem of Bellachin 2nd, the little yellow-red and white calf that barely got into the money last year,

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but was highly thought of by many, came in a strong third in this competition, having grown into a strapping heifer, level in her lines and of fine character. She must have done well to go ahead of Goodfellow's first-prize calf of last year, and the beautiful Imp. Bright Light, of the Greenway herd, which were placed fourth and fifth, respectively. The junior yearlings were four in number, and a uniformly good lot, the first prize going to Crerar, the second and third to Edwards & Co., and fourth to Jeffs & Son. The senior section of heifer calves, those born before Feb. 1st, 1901, were a strong lot of 19 entries, and Lady Sharon 8th, of the Boland herd, won out in first place, followed by Watt's Matchless 28th, Flatt's Fame's Matchless, and the same exhibitor's Clover Hill Lorne. The junior heifer calves were headed by Greenway's handsome Judge's Heiress, followed by Edwards' Lilly of Pine Grove 2nd, Fletcher's Roan Missie (a smoothly-turned daughter of Spicy Robin), and Jeffs' Zora 21st. The junior championship female, under two years, was Mr. Flatt's first-prize yearling heifer, Lady Hamilton, the senior championship having gone to Cicely, of the same herd.

**THE HERD PRIZES.**—The senior herd prizes for best bull and four females over one year, owned by exhibitor, were awarded as follows: First to Flatt, for Valiant, Empress 12th, Cicely, May Blossom, and Ascot Mayflower; second to Boland, for Deputy Marshal and females; third to Flatt, for Lord Banff and females. The young herd prizes for best bull and four females under two years were given in the following order: Flatt first, Edwards & Co. second, Greenway third. The prizes for best three animals, the progeny of one bull, went: First to Boland, for the get of Scottish Chief; second to Greenway,

of bulls that has seldom been equalled at this center. A strong contest was that in the section for two-year-old bulls, between Smith's Prince of Ingleside 2nd, by Sir Horace, and Young Actor, by Actor, bred by Van Natta & Son, of Indiana, and shown by W. H. Hunter, The Maples, Ont. Both are exceedingly good bulls, strong in all the best characteristics of the breed, and after due consideration, the judges placed them in the order in which we have named them. In yearling bulls the Stone Co. had a worthy winner in Clarence 2nd, and Mr. Black a close second in a son of Sir Horace, while The Maples herd contributed in March On 2nd (imported from Indiana, and sired by the great Sir Christopher), a bull who but for a temporary lameness, which heavily handicapped him, would almost certainly have headed the list, being a youngster of excellent character and quality. In an unusually strong class of bull calves under a year, The Maples herd furnished the winner in Harry Maple, a son of imported Belswardyne Lad, and a superb calf, compact, smooth, and full in all points, and abounding in high-class quality.

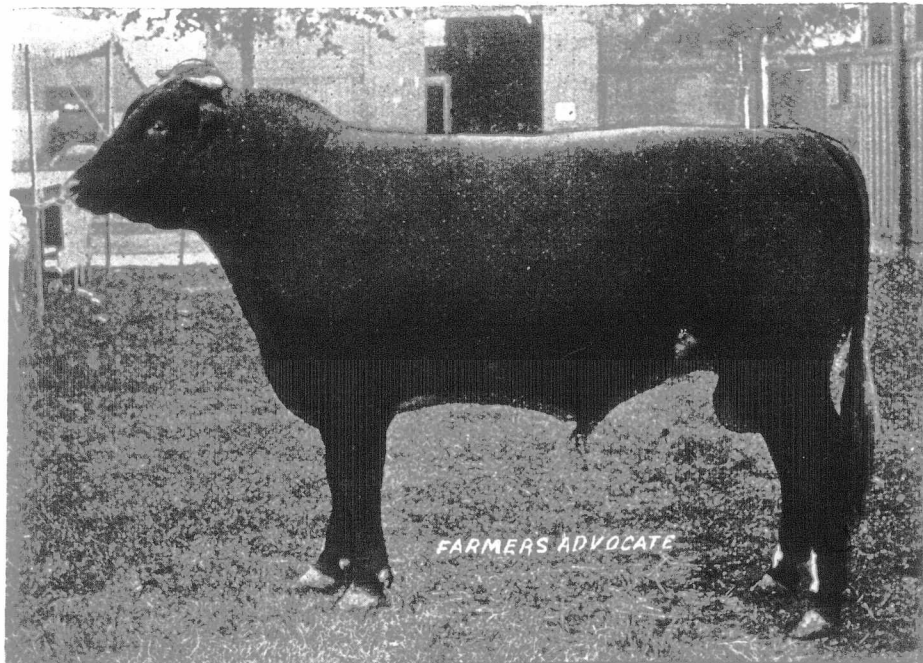
The Nova Scotia herd headed the prize list in the cow class, with Starlight, a seven-year-old daughter of Maple Grove 42509, and a fresh-looking cow, of splendid style, smooth and even in conformation, and brought out in excellent condition. Ingleside had a good second in Sylvan 5th, of fine type; while Belle of the Ball, of The Maples herd, filled third place worthily.

In three-year-old cows there were but two entries, but they were good ones, and Laura of Ingleside won the red ribbon; the second award going to Duchess of Morton, of the Stone Co.'s string. In two-year-old heifers Mr. Smith had a capital entry in Rubella, by Sir Horace and out of Lady Rupert, which was given first place.

bulls, the latter seemingly the better when seen in the stall, but showing to disadvantage in the ring, owing to his disposition to be combative in company. In two-year-old bulls the Oakville herd had the winner in Black Warrior, bred by Mr. Bowman, a typical bull of the breed, well brought out. In yearling bulls Bowman won first, with Hall second, and Stewart third. In bull calves Bowman was again first, with Hall second, and Phillips third.

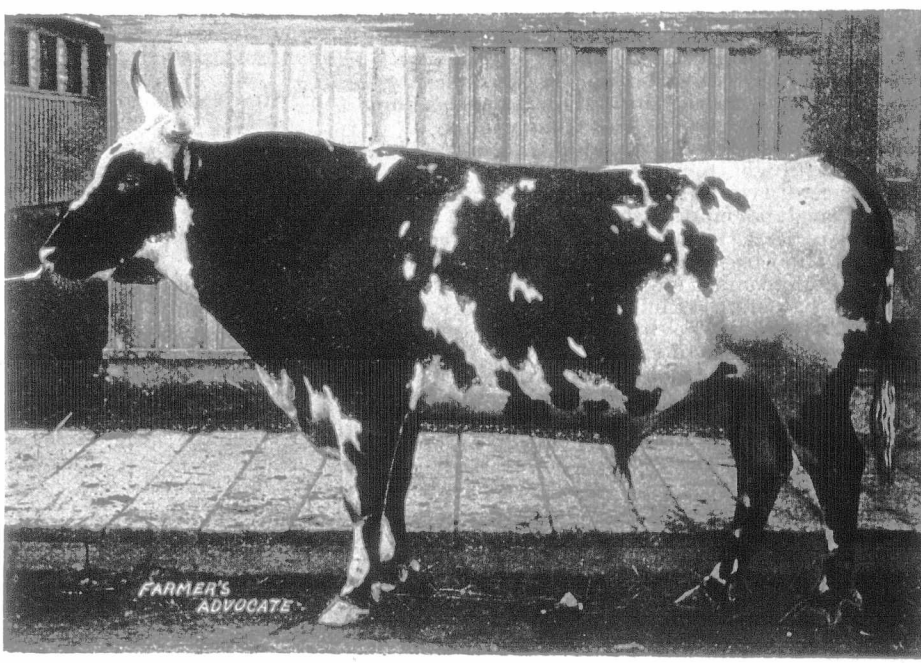
In the section for cows Hall scored first and second with Lady Gladstone and Newtona 2nd, the former a very sweet, smooth and substantial cow, being declared the female champion of the class. In three-year-old cows, Hall was again first, with Newtona's Promise; Bowman coming second, with Elm Park Belle. The Washington herd was also first in two-year-old heifers and yearlings, Bowman being second in the latter section and first in heifer calves. The rating in the herd competition was Hall first and third, Bowman second.

**GALLOWAYS.**—The hardy Galloways made the finest showing the breed has put up here in many years, the herd of Mr. D. McCrae, Guelph, having been reinforced by a new importation of nine head of high-class animals from Scotland, making his exhibit unusually strong, and capturing the first awards in every section of the class, including the herd prize and both championships. His newly-imported bull, Cedric 4th, bred by Mr. James Cunningham, and sired by Campfollower, is a splendid specimen of the breed, combining size, style, constitution, smoothness of contour and breed character in high degree. He was awarded the first prize in his class and the male championship. T. Lloyd Jones & Son, Burford, had out College Gambler in fine condition, a bull of fine presence and quality, that has hardly ever



**ROYAL WONDER.**

First-prize yearling Shorthorn bull and junior champion, Toronto Exhibition, 1901. PROPERTY OF J. & W. B. WATT, SALEM, ONT.



**IMP. LORD DUDLEY OF DRUMSUIE.**

First-prize four-year-old Ayrshire bull and male champion of the breed, Toronto Exhibition, 1901. PROPERTY OF R. REFORD, ST. ANNE DE BELLEVUE, QUE.

for Abbotsford's progeny; and third to Edwards, for the get of Marquis of Zenda. The prizes for best four calves bred and owned by exhibitor went first to Watt, second to Edwards, third to Goodfellow. The judges of the Shorthorn class were W. G. Pettit, Freeman, and A. W. Smith, Maple Lodge.

**HEREFORDS.**—The whitefaces came out in stronger force than for many years, and were judged by Prof. G. E. Day and Richard Gibson. For the first time the Maritime Provinces contributed a contingent, in the excellent herd of Mr. W. W. Black, of Amherst, N. S., headed by the well-known show and stock bull, Sir Horace, a sweepstakes winner here in former years in the hands of Mr. H. D. Smith, of Compton, in whose herd he left his impress on a uniformly excellent progeny. He is a typical Hereford of the first rank, with model head and horns, short limbs, well-balanced form, and the best quality of flesh and hair, and holds an unbeaten record in the Eastern Provinces as a championship winner for three or four years. He came out this year in fine condition, straight, smooth, active and fresh as in former years. Here he had to meet and contend for supremacy of place with his successor in the Ingleside herd of Mr. Smith, the redoubtable Mark Hanna, champion at Toronto for the last three years, who, in the hands of that master of the art of feeding, Fred Norton, entered the show-ring in the pink of condition and in better form than ever before, his broad back, well-sprung ribs, full twist and general smoothness captivating the judges, who placed him not only first in his class, but awarded him again the male championship of the breed. Sir Horace made a worthy second, and the F. W. Stone Stock Co., of Guelph, had a capital entry in imported Baronet, who fell into third place, making a trio

Her herd mate, Amy of Ingleside, by Mark Hanna, was a worthy second; Lilly Horace, another daughter of Sir Horace, in Mr. Black's herd, being placed third. The Ingleside herd furnished the three winners in the section for yearling heifers, Downton Ingleside 2nd, by Mark Hanna and out of Lady Bountiful, a charming entry, being considered by the judges the best female in the class, and worthy of not only the first place in her section, but the championship. She is very complete in form and type, and a credit to her breeder and sire. Two handsome daughters of Sir Horace won first and second for Mr. Black in the heifer calf section, the third going to Ingleside. The herd prizes for best bull and four females were awarded, first to Smith, second to Black, third to Smith.

**ABERDEEN-ANGUS.**—This class was judged by John G. Davidson, Collingwood, and John Miller, Jr., Brougham, and was strong in nearly every section, the animals being generally well brought out and presenting a very attractive exhibit. The herds represented were those of James Bowman, Guelph; W. Hall, Washington; Wm. Stewart & Son, Lucasville; and F. W. Phillips, Oakville, the latter a new exhibitor, who brought out a few really good animals in excellent fit. Bowman's grand bull, Kyma's Heir, by Jus, the champion of the three former years, again headed the list of winners in the section for aged bulls, and was again crowned champion, the fourth year in succession, an unprecedented record, we believe, in this class in the annals of the show. He is a grand representative of the breed, and would be difficult to down in any country, having size, style, thickness, smoothness and breed character in splendid combination. The Washington herd had the second and third winners in Laird of Tweedhill and Scots, both high-class

been beaten before. He had to take second place this time, but it is no discredit to be beaten by a Cedric 4th. Messrs. A. M. & R. Shaw, Brantford, made a capital showing all through the class, with typical animals, well haired, well fleshed, and well brought out, and won second prizes for two-year-old bull, four-year-old cow and yearling heifer, and third for bull calf, three-year-old cow, two-year-old heifer, heifer calf, and herd; while Mr. John Sibbald, Annan, had the second-prize two-year-old heifer and heifer calf. The female sweepstakes was awarded to McCrae's first-prize cow, Jewel, a grand representative, but to our mind the first-prize yearling heifer, imported Lady Harden 4th, by Scottish Standard, of the same herd, was the most perfect in type and quality of all the females shown. It would puzzle the most expert connoisseur to suggest an improvement in her make-up.

**GRADE CATTLE.** though not shown in large numbers, were of high-class quality, and were judged by Messrs. John Gardhouse, Highfield, and John Miller, Markham. James Leask, Greenbank, captured all the first prizes, with splendid animals, brought out in fine condition, as he always has them. N. S. Goodison, Summerville, had the second-prize cow and three-year-old cow; the Stone Stock Co. second for yearling heifer; and J. Rennie, Wick, the second for heifer calf. In fat cattle, Israel Groff was a sure winner in the two-year-old steer class, with his grand white Shorthorn, Crimson Robe, who has gone on splendidly since the Winter Show, and is a marvellous animal for his age, full of first-class flesh, and a credit to his breeder and feeder. A worthy second-prize winner in this section came from Nova Scotia, in Dewey, a cross-bred Hereford-Angus, shown by W. W. Black, of Amherst. He is smooth, well filled in all points, and well fed,

Jas. Leask, Greenbank, had the first-prize yearling steer, steer calf, cow or heifer under four years, and pair of fat cattle; Israel Groff, the second-prize yearling; Goodfellow Bros., Macville, the second-prize cow; and James Rennie, the second-prize pair.

#### THE DAIRY BREEDS.

Seldom, if ever, have the dairy classes of cattle been so well filled at a Toronto fair as this year. All except the Guernseys were strong in numbers, and that class was represented by a few very choice animals. In the dairy breeds the rule has been adopted of first calling out the herds in competition for the prizes for the best bull and five females in each breed, owned by the exhibitor, and from three to seven herds of each of the five dairy breeds were in the ring at the same time. It was a spectacle for the gods to look upon with wonder and amazement, and one which to no small extent revealed the secret of Canada's phenomenal record of success in the export of dairy products, for it is doubtful if on a fair ground of any other country under the heavens could as good a collection of special purpose dairy cattle be found as filed into the judging arena at Toronto on the day the prizes were awarded, and it augurs well for the future of the dairy interests of the Dominion that so high a standard has been set and is being maintained in the type and quality of the leading herds of cattle from which seed stock is being disseminated throughout the length and breadth of the land.

AYRSHIRES were the most numerously represented of all breeds, there being over 150 entries, and it is not an invidious comparison to state that they were the most uniform in quality, type and condition. The Ayrshire breeders of Scotland and their followers in Canada have succeeded admirably in breeding their cattle true to a type combining utility and beauty in high degree. The judging was done by Messrs. A. Cairns, Byron, Ont., and G. H. Muir, Bougie, Que., who can hardly be charged with undue haste in making their decisions, nor credited with complete consistency in all instances. The cattle aged considerably under the ordeal in some classes, and one could well imagine the attendants sighing for a single judge with the courage of his convictions. It was plainly evidenced that it takes more than twice as long to make up two minds in the same groove as is required by one to reach a decision, and after it is done it is doubtful whether it is better done. The trouble in the case of two judges too often seems to be that they either labor under the delusion that they have to agree or that they are afraid to disagree and to stand by their own judgment, and the result is too often a compromise which must be unsatisfactory to one and a ruling which would probably not have been registered if he had depended on his own judgment and sense of right.

The Province of Quebec nobly upheld its reputation for high-class Ayrshires by the exhibition of typical representatives of the breed in most creditable condition from the noted herds of Messrs. R. Reford, St. Anne de Bellevue; W. W. Ogilvie & Co., Lachine Rapids, and R. R. Ness, Howick, and a fine bull from that of R. B. Angus, of Sennville. Splendid specimens were forward, as usual, from the well-known Ontario herds of Wm. Stewart & Son and Alex. Hume & Co., Menie; J. G. Clark, Ottawa; J. McCormack & Son, Rockton, and R. S. Brooks, Brantford.

An uncommonly strong class of half a dozen bulls three years old and upwards faced the judges, and it was no easy task to place them with confidence that the rating was right, but the order of precedence was finally made as follows: First to Reford's Imp. Lord Dudley of Drumsue, who here made his first appearance in the show-ring on this side of the sea. He is a massive bull, full of constitutional vigor and fine in all essential dairy points, and is very hard to find fault with. Quite as much may be said for the second-prize winner, Ogilvie's Imp. Douglasdale of Dam of Aber, who came out this year in fine fettle, looking bright and feeling like himself, which could not be said of him last year, when he was given a lower rating than his character entitled him to. He is one of the very highest rank of bulls of the breed. Ness' stylish and typical Imp. Duke of Clarence of Barcheskie, the sweepstakes winner here last year, came out as stylish as ever and as full of quality, but being young for the class and a month over the age that would have admitted him to the two-year-old section, he was handicapped and had to fall into third place, a position that fits him ill in view of his successful show career up to this time. Mr. Angus' handsome bull, The Don, was placed fourth, and still there was left unplaced Mr. Massey's great bull, Silver Prince of St. Louis, the sweepstakes winner of two years ago, and other really good ones.

Two-year-old bulls were worthily led by Stewart & Son's Hover-a-Blink, by Dainty Lad and out of the grand cow, Jean Armour. He is one of the best young bulls growing up, is low-set, deep-bodied, well sprung in his ribs, full of quality in his handling and measures well up to the standard of the highest type in every respect, and it seemed strange that a referee should be required to give him his proper place. Black Prince of Whitehill, of the Ogilvie herd, a handsome, stylish bull of good quality and finish, well filled the second place, and Defender of St. Anne's, a strong son of Napoleon of Auchenbrain, fell into third position, followed by Hume & Co.'s White Cockade, a good sort, as fourth.

J. G. Clark, of Ottawa, had the first prize year-

ling, a bull of good pattern and fine quality, followed by Reford's Royal Peter and McCormack's Royal Salute, by Waverley, a young bull of fine form and character that might well have had a place higher in the list.

The senior bull calves over six months were a very good lot, and Mr. Brooks won out in first place with his Beauty Style's Heir; Ogilvie second with Comrade's Last; and Stewart third with Lady Ottawa's White Prince. In bull calves under six months, the Reford entry, Dunraven of St. Anne's, won first; Hume's Bold Boy, second; and Massey's Silver Mac, third. The male championship went to Reford's Imp. Lord Dudley, the first-prize aged bull.

In a great class of twenty cows, of which one half were imported, a worthy first-prize winner was found in Ogilvie's Imp. White Rose of Barmoorhill, a typical, modern Ayrshire in style and form, carrying a large and shapely udder, well balanced fore and aft, and showing a richly-colored skin and fine handling qualities. She was hard pressed for the position by Reford's Imp. Snowdrift of Barcheskie, a businesslike cow, well formed on dairy lines, but not so recently fresh. The third winner was found in Imp. Dandy Lass of Nethercraig, of the Ogilvie herd, another of beautiful type and business appearance. Fourth position was given to Reford's Imp. Snowdrift 1st, of Fairfield Mains. To form an idea of the excellence of the class, it is only necessary to state that there was left out of the prize list such splendid cows as Stewart's Jean Armour and Lady Ottawa, Hume's Imp. Eva of Barcheskie, McCormack's Gem of Rockton, besides several other high-class imported cows in the herds from which the winners were selected. It is, indeed, rarely in any country that such a collection of superior dairy cows is seen in one show-ring, and we are proud to do them honor.

Three-year-old cows were a strong class of ten entries, in which Stewart & Son were fortunate in winning out with May Mitchell, by Douglas of Loudoun; Reford's Blue Bell 27th of Hillhouse, a good, strong cow, long in milk, taking second place; and Ness' Miss Scottie B, by Harcourt, a sweet young cow of fine quality, swinging a model shaped udder, and, in the opinion of many, worthy of a higher position, ordered into third position, the same exhibitor winning fourth with Lady Spotie B.

In an uncommonly good class of sixteen two-year-old heifers, an outstanding first seemed to onlookers to be Ness' charming Scottie's Pearl, full of quality and dairy points, her shoulders beautifully blending into her sides, her ribs well sprung and deep, her quarters long and level, udder of model form and her teats of good size and well placed. She seemed made only for the first place, but the judges, for reasons perhaps satisfactory to themselves, consigned her to third position, placing Reford's Lady Grace, by Glencairn, in the lead, with Nellie Osborn 3rd, of the same herd, second, and Ogilvie's Stately 9th in fourth place. Yearling heifers in milk were a small class, and it would seem to be an unnecessary class. The first prize went to J. G. Clark, and second to Mr. Massey. There were sixteen yearling heifers out of milk in the contest for honors, and a magnificent lot they were. The first position was given to Ness for Lady Bruce, a sweet little heifer, over a number of strong entries. The little one filled the position gracefully, but the rating looked to many like a case of restitution for wrong done earlier in the day in former rings. In the section for heifer calves over six months, the number out was again sixteen, and hardly a weak one in the lot. Here the first prize fell to Ogilvie for Lady Beatrice; second to Ness for Marguerite; third to Ogilvie, and fourth to Reford. In heifer calves under six months, Hume scored with The Gypsy of Menie, Ness being second, Clark third, and Massey fourth. The winner of the female sweepstakes was Ogilvie's first prize cow, White Rose of Barmoorhill.

The herd prizes, open to all, for best bull and five females, were awarded first to Reford, second to Ogilvie, third to Ness. The young-herd prize, for bull and five females under two years, went first to Ness, second to Ogilvie, third to Reford, fourth to Clark. The prizes for best four animals the progeny of one bull were awarded as follows: First to Ness for the get of Harcourt of Burnside; second to Reford for the progeny of Napoleon of Auchenbrain; third to Ogilvie for the offspring of Comrade of Garlaff; fourth to Ness. The placing of the second and third prizes was not without considerable adverse criticism.

JERSEYS—The Jerseys were out one hundred strong, and made a good showing in nearly every section. The bulls were exceptionally good, which is a good indication, for on the class and character of the sires used depends the future usefulness of the breed, and, perhaps, the breeders in no other class are paying more attention now to the securing of high-class bulls to head their breeding herds. The class was judged by Mr. R. Reid, Berlin, who went through his work expeditiously, and gave general satisfaction. The section for bulls three years old and over was worthily led by Bim of Dentonia, winner here last year of 1st prize as a two-year-old and the championship as best bull any age. He is a well-balanced bull, of strong constitution and good dairy form, and was shown on this occasion by B. H. Bull & Son, Brantford. Second place was given to Prince Frank's Son, a handsome and substantial bull, that has been a very successful prizewinner in the hands of his owner, W. G. Laidlaw, Wilton Grove, having won the first prize in his class here last year. The imported Island-bred bull, Distinc-

tion's Golden, at the head of the herd of Robert Davies, Toronto, was assigned third place. He came out in thinner condition this year than usual, but showing his usual vigor and strength of character, and his progeny speak well of his worth as a sire of heifers that give great promise of usefulness in the dairy.

Two-year-old bulls were led by Mr. W. E. H. Massey's newly-imported Island Lad of Dentonia, selected by Mr. F. S. Peer, a beautiful bull, typical of the best of the breed, full of quality and finish. Into second place came Silent's Owl, a son of Imp. The Owl, dam Silent, bred by Mr. Rockefeller, and shown by Robert Davies, Toronto. He is a bull of fine character and superior dairy form, and should prove a satisfactory sire. Third place was assigned to a son of Distinction's Golden and St. Helier May, shown by E. H. Carter, Riverdale Park. Yearling bulls were three in number, the first award falling to Mr. Massey for He's a Daisy, second to Bull & Son for Brampton's Hugo, and third to W. G. Laidlaw for Gold Ring's Hero. Bull calves were a strong class, in which three typical sons of imported Brampton's Monarch—Brampton's Heir, Brampton's Kaiser, and Brampton Hero—of the herd of B. H. Bull & Son, carried the first three awards in the order named, a distinct triumph for Monarch as a bull breeder, while his heifers also scored well in the prize list. In the junior section of bull calves, Monarch's get, in Gold Prince, brought the red ribbon to the Brampton herd; the second prize going to Choice Goods, a select son of Distinction's Golden, shown by Robert Davies.

In a fairly good class of cows, Massey's entry, Wilton Queen, a strong, vigorous, well-formed cow, of St. Helier breeding, fresh in milk and swinging a very large and shapely udder, from a business point of view could not be denied first place, and it were well there were more like her in the country. Imp. Fancy Maid, owned by ex-Mayor R. J. Fleming, Toronto, was moved into second position. She is a typical Island cow, of fine form, character and quality, with well-balanced udder, well-placed teats, and rich yellow skin. Dentonia Park (Mr. Massey's farm) furnished the third-prize winner in Imp. Sensation, who was the first-prize cow and sweepstakes female last year. She is a beautiful and useful cow, but had recently calved and had a touch of fever, which dried her hair and robbed her temporarily of the bloom she usually carries. Bull & Son's Bettina of Brampton, a handsome young cow, with a model udder, was moved into fourth place, and Robt. Davies' Imp. Glenfield, one of the richest sort, into fifth. This rating left out some really excellent cows, which for business and beauty were close up to the winners. Among these may be mentioned Bull's beautiful Sunbeam, with her fine form and model udder, and Davies' Gold Nugget, rich as gold, built for work and carrying a milk vessel of the first order. The Brampton herd supplied the first and second winners in the 3-year-old cow class in Mermaid and Floran's Pansy, the third being Davies' Patience of Prospect, and the fourth Massey's Quarantina.

In the 2-year-old heifer section, a very strong one, the daughters of Distinction's Golden brought honors to Thorncliffe Farm, Mr. Davies' Beautiful Bella, out of Imp. Nita Belle, taking first place, and Distinction's Pet, out of Imp. Nicotine's Pet, the second position. Both have fine fore udders and fine dairy form and are promising young cows. Brampton's Princess Flo, of Bull & Son's herd, made a good third in a class of ten exceptionally good heifers. The first of the daughters of Brampton's Monarch shown in milk was an outstanding first in the senior yearling class in milk. She is Golden Gem of Brampton, out of Zurita, and measures well up to the standard of first-class, having good size for age, fine dairy form and quality, and a model udder, large and well balanced, and her teats well set. Second and third prizes went to Thorncliffe for Lucy, by Distinction's Golden, and Ribbon's Heiress, two beautiful heifers, with fine prospects for usefulness. In a splendid class of 19 junior yearling heifers, the first award went by common consent to Cream-for-Sure, of the Dentonia herd, sired by Imp. Lord of Dentonia, whose daughters were conspicuous in this class for their beauty and promise of usefulness. Second place was well filled by Brampton's Beauty, by Imp. Monarch, of Bull & Son's string; third went to Cypher of Dentonia, and fourth to a daughter of The Owl, bred by Mr. Rockefeller and owned by Mr. Davies. She is full sister to the fine two-year-old bull shown by Mr. Davies, and is a heifer of excellent form and quality. Loredella, a daughter of Lord of Dentonia, won first for Mr. Massey in the heifer calf class over six months; Golden Pride, of the Brampton herd, by Monarch, taking second place; third going to E. H. Carter, and fourth to W. G. Laidlaw. Heifer calves under six months were headed by Dorothy, of the Dentonia herd, second and fourth going to Bull & Son for Monarch's daughters, and third to Davies for a daughter of Distinction's Golden.

The championship for best bull, any age, was awarded to Mr. Massey's first-prize 2-year-old bull, Island Lad of Dentonia, and the sweepstakes for best female to Wilton Queen, of the same herd—the first-prize cow over four years old. The prizes for the best herd of one bull and four females were given in the following order: first to Massey, second to Bull & Son, third to Davies, fourth to Massey. The young herd prizes for a bull and five females under two years were awarded: first to Massey, second to Bull & Son, third to Davies, fourth to Massey. For four animals, the progeny of one bull, the first and second prizes were won by Robert Davies for the get of Imp. Distinction's Golden, a

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distinct evidence of the usefulness of the sire. Third prize went to Massey for the offspring of Imp. Lord of Dentonia, and fourth to Bull & Son for calves of Imp. Brampton's Monarch.

**HOLSTEINS.**—The Holstein breeders have had a good year and are in excellent spirits and holding their own admirably. They made a strong showing at Toronto this year, the entries numbering 85, and the classes more select than usual. A distinct improvement is evident from year to year in type and quality of the cattle shown in this class, the tendency being towards refinement of bone and conformation, getting them nearer the ground and with better quality of skin and hair, all of which tends to easy keeping, without diminishing their capacity for dairy work. There were 85 entries, and the principal exhibitors were George Rice, Currie's Crossing; Rettie Bros., Norwich; G. W. Clemons, St. George; A. C. Hallman, New Dundee; W. W. Brown, Lyn; and C. J. Gilroy & Son, Glen Buell; with a few scattering entries by others. The class was expeditiously and well judged by R. S. Stevenson, of Ancaster, Ont.

In a strong section of bulls 3 years old and upwards, the battle for supremacy was between Clemons' old champion, Count Mink Mercedes, a rare good model of the type needed, and the sweepstakes winner of the last four years in succession, and Hallman's fresh young Judge Akrum De Kol 3rd, bred by Stevens & Sons, a bull of fine quality and finish, whose calves, the first-prize winners in the competition for the best progeny of a sire, proclaim him a breeder of no ordinary merit. The older and more matured bull was again given premier position, but it was the closest call he has had in recent years. Rettie's Sir Abbekirk Posch, a strong son of the champion testing cow, Aaltje Posch 4th, followed in third place, and the same firm's low-set and fine-quality bull, Worthenall 3rd Sir Pietertje, stood fourth. Two-year-old bulls were led by Brown's excellent entry, Emperor Joseph, a bull of fine quality and first-class breeding; Rice's Count Calamity Clay, of good type and lineage, coming in for second place, and Gilroy's Gilliflower's Paul De Kol a good third. Rettie Bros. had a rich and low-set yearling in Schuling De Kol, which found favor with the judge and first position in the prize list, followed closely by Clemons' Helbon Wayne, of somewhat similar stamp and quality, in second place, while Brown's excellent Lady Waldorf's De Kol well filled the third position, and Rice's Calamity Jane's Paul De Kol, a worthy grandson of the great testing cow, Calamity Jane, came in for fourth prize. Bull calves under a year were well led by Hallman's Acme's Jewel P. De Kol, by Judge Akrum, the same exhibitor's Hester De Kol, by the same sire, scoring third, with Clemons' King of Maple Hill sandwiched in second position, and Brown's Sir Wiltred De Kol as fourth. The rating in bull calves under six months was first to Clemons, second to Rettie, and third and fourth to Gilroy. The male championship went to Clemons' first-prize aged bull.

Cows over four years were a capital class, of about 15, of more than ordinary uniformity of type and carrying large and well-shaped udders, a magnificent lot of dairy cows, of large capacity for work. An outstanding winner, however, was found in Rice's short-legged, broad-set, deep-ribbed, velvet-skinned Iosco Pride, by Aconeth's Prince, swinging an udder as big as a washtub, with good-sized, well-shaped teats. She is a model type for Holstein breeders to work by, and the more of the kind they produce, the better for all. Rettie's Artis Peer's Poem, a cow of fine dairy character, was given second place, Gilroy's old-time champion, Carmen Sylva, third, and Rettie's Highland Cornelia, another former champion, but not in fresh form, completing a quartette of high-class cows. Rice took precedence in a strong class of 3-year-old cows, winning first and second awards with Jewel Sylva and Modest Lady, Clemons coming in for third with Daisy Soldine Clothilde, and Rettie fourth with Artis Mink Mercedes. Rice was also first and third in a capital class of two-year-olds with Pauline Pietertje Clothilde and Victoria Teake's 2871, a daughter of the great Manitoba champion, Daisy Teake's Queen; second going to Rettie Bros. for Ianthe Jewel Mechthilde, and fourth to Clemons for Queen De Kol Second's Pledge. Rettie led in a fine class of yearling heifers in milk with Jemima Worthenall, a heifer with a splendidly-developed udder, and very promising. Brown had an excellent second in Pietertje Abbekirk, Gilroy a good third, and Rice fourth. In heifers, 1 year old, out of milk, Clemons had a clear winner in the pretty Princess Pledge De Kol, Brown a charming second in Carbon De Kol, Hallman a third of good type in Abbey De Kol, by Judge Akrum, and Rettie fourth with Cornelia Schuling. In heifer calves under a year, Clemons had a fascinating heifer in Julia Arthur, full of quality and of fine type, a daughter of the champion bull, but the judge evidently saw something more striking than the scribe in Rettie's Aaltje Pietertje Posch, the daughter of her great

mother, Aaltje Posch 4th. Hallman's Queen Hengerveld De Kol, by Judge Akrum, was a worthy third, and Clemons had the fourth in another daughter of the old Count. Heifers under six months were rated in the following order: Hallman's first, Rettie's second, Gilroy's third, and Rettie's fourth. The sweepstakes female was Rice's first-prize cow, Iosco Pride. The herd prizes for best bull and four females over 1 year old were awarded, first to Rettie, second to Clemons, third to Rice, and fourth to Gilroy & Son.

**GUERNSEYS.**—This rich butter breed was better represented at Toronto this year than usual, by excellent selections from the Dentonia herd of Mr. W. E. H. Massey, Toronto, and the Soapstone Farm herd at Haverford, Pennsylvania. Mr. W. W. Ballantyne, of Stratford, tied the ribbons, and the first prizes in the sections for three-year-old and two-year-old bulls were awarded to the Soapstone entries; the first in yearling bulls and the male championship to Mr. Massey's imported Island Heirloom of Dentonia, a young bull of splendid dairy conformation and rich quality. The Soapstone herd led in bull calves, and Dentonia in cows, capturing the three first prizes with Jessica, May Rose and Pride of Dentonia, in the order named, all excellent cows, carrying shapely udders and having good dairy form. Soapstone Farm had the lead in three-year-old cows with Moverina, and in two-year-old heifers with Delhi, Moverina's Luxetta coming second in the latter section. Soapstone had also the first three winners in the yearling class, and first in heifer calves over six months, and Massey the first and second heifers under six months. The first herd prize and the female championship went to the Dentonia herd.

**FRENCH-CANADIAN CATTLE.**—This native breed of dairy cattle—confined as yet mainly to the Province of Quebec, where they have originated or been perpetuated from early importations from Europe—have now a pedigree register and are much of the type of the Jerseys, being almost uniformly black or brown, with a mealy muzzle and rich

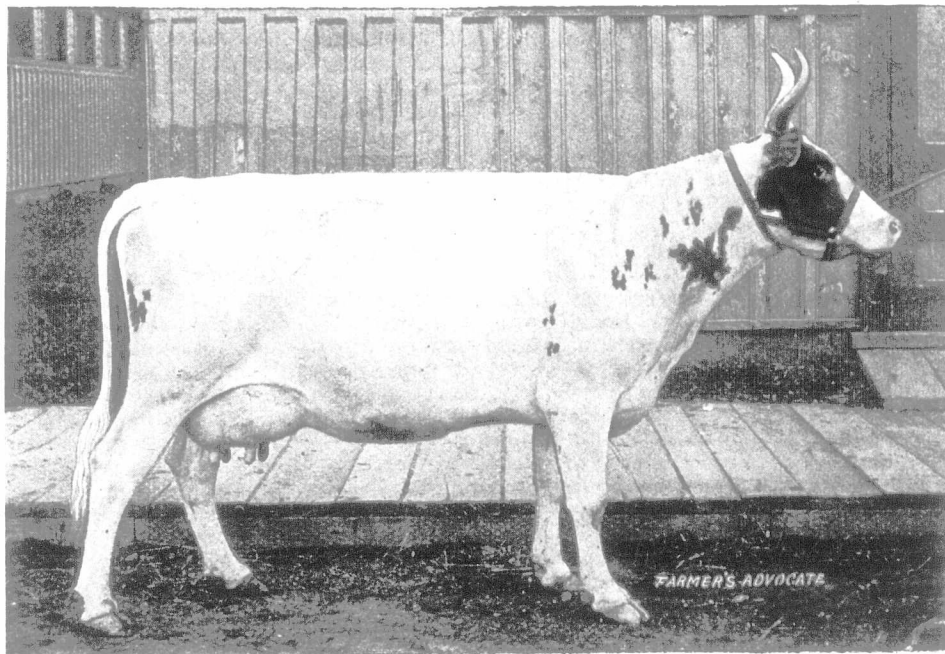
factory; indeed, less complaining in this regard has seldom been heard at a Toronto exhibition.

**YORKSHIRES** were judged by Henry Deedles, Breslau, and P. J. Garbutt, Belleville, and were a very strong class in every section, showing great length, fine quality and good bone. D. C. Flatt & Son, Millgrove, who had at the same time a strong contingent at the Pan-American, where they succeeded in capturing the majority of best prizes, were out at Toronto with a magnificent exhibit of 29 high-class hogs, headed by their imported boar, Bottesford Wonder, with which they were successful in winning every first prize offered in the class, including sweepstakes for best boar any age, best sow any age, the first herd prize for best boar and two sows, first for best boar and four of his get and for best sow and four of her produce under six months, and also first in both sections of the class for export bacon hogs, one for four pure-bred hogs, and the other open to all for best pen of four hogs of any breed, cross or grade, suitable for export bacon, judged by Toronto packers. This registers an unprecedented record, and speaks volumes for the enterprise and skill of the firm, considering that they had at the same time a herd of 14 typical Yorkshires at Buffalo, which in stronger competition than was met here had won six out of the ten first prizes there and the championship for best boar of any age, and that with the exception of about half a dozen all the hogs they exhibited were of their own breeding. Joseph Featherstone & Son, Streetsville, were out as usual with a strong string of hogs of good type and quality, and won second prizes for boar over two years, boar over six months and under a year, boar under six months, and sow and four of her produce. R. T. Duck, Port Credit, had also a really good exhibit, of excellent type and quality, headed by a splendid yearling boar, which won second prize in his class and headed his second-prize pen of a boar and four of his get under six months. Mr. Duck had also a sow of superior type and quality, which won third as over six months and under a year, and a beautiful and typical sow under six months, which got into third place. He also won second prizes for pen of four hogs suitable for export with Yorkshires in both sections of the class.

**BERKSHIRES** made a good display in all sections, the entire class being notable for uniformity of type, showing good length and good bone, standing well on their feet and brought out in good condition without being overdone. The herds represented were those of Geo. Green, Fairview; T. A. Cox, Brantford, who had also a strong exhibit at the Pan-American, where he was a very successful winner; and Durham & Caven, Toronto. Green was especially strong in boars, as usual, and won 1st in two-year-olds with Major, in fine form, a big, strong, smooth hog, on good timber; 1st in yearlings, with Baron Duke, a lengthy, smooth, even hog; first on boar over six months and under a year, with a good-backed hog, long and level and full of quality; first on boar under six months, with a lengthy, smooth, well-proportioned pig. Mr. Green also won 1st prize on sow over

two and under twelve months, first for boar and two sows any age, first for boar and four of his get under six months, and second for yearling boar and boar under six months. Cox was strong in sows, winning first for two-year-old sow and yearling sow, first for sow and produce, and second for yearling sow, sow under a year, sow under six months, boar and two sows, and boar and his progeny. Durham & Caven won second on a capital two-year-old boar, a grandson of Baron Lee 4th on his dam's side; first on a lengthy, level, well-formed sow under six months; second on sow and her produce, and third on boar under six months.

**TAMWORTHS** were judged by Messrs. Deedles and Garbutt, and were well represented as a breed by selections of typical bacon hogs, smoothly fleshed and of fine length and quality, from the herds of Norman M. Blain, St. George; Colwill Bros., Newcastle; D. Douglas & Sons, Mitchell; H. George & Sons, Crampton; W. M. Smith, Scotland, and Wm. Atchinson, Erindale. Colwill Bros. captured first prize on their great two-year-old boar, Colwill's Choice; first for boar and four of his get under six months, and first sweepstakes for best boar any age in the class with Colwill's Choice, also second prizes for boar under six months, for yearling sow, for sow under six months, for herd of a boar and two sows, and for sow and her produce. Norman M. Blain was successful in winning first for yearling boar, first for boar under twelve months, first for boar under six months, first for sow over two years, for sow under six months, first for herd of



**IMP. WHITE ROSE OF BARMOORHILL.**

First-prize Ayrshire cow and female champion, Toronto Exhibition, 1901.

PROPERTY OF W. W. OGILVIE & CO., LACHINE RAPIDS, QUE.

yellow skin. They have, as a rule, large, elastic and well-formed udders, and are dairy cows of a high order of merit. A class was formed for them at Toronto this year, and a strong representation of the breed was made from the Quebec herds of Arsene Denis, St. Norbert; J. Dugas & Co., St. Jacques; L. Sylvestre, St. Theodore d'Acton; L. Thouin, Repentigny, and also from the herd of C. E. Colburn, Portlandville, N. Y., among whom the prizes were distributed according to the judgment of Mr. Robert Ness, of Howick, Quebec; Denis winning first honors in the sections for bulls three, two and one year old; first for two-year-old heifer, yearling heifer and for best herd of one bull and four females, also the male championship for his first-prize three-year-old bull, Prince Elegant 374. Colburn captured first position in cows four years and three years old, and for heifer calf under six months old, and the sweepstakes for best female with his three-year-old cow, April Blossom 476. Dugas had the first-prize heifer calf under a year, the second-prize two-year-old bull and four-year-old cow, and third-prize yearling bull, yearling heifer, heifer calf under six months, and herd. Thouin had the third-prize two-year-old bull, three-year-old cow, and fourth-prize herd. Five herds were shown, and they made an exceedingly interesting exhibit.

**SWINE.**

The show in the swine department was not quite as large as last year, owing to the fact that some of the usual exhibitors here were showing in full strength at Buffalo on the same week and others had divided their herds and were competing at both places, but the quality of the exhibits on the whole was of a high order and the ruling of the judges generally satis-

a boar and two sows, and for sow and four of her produce under six months, and the sweepstakes for best sow any age. Douglas & Son, who are new exhibitors here, made a good record, winning first prize for boar over six and under twelve months, first for sow of the same age, second for yearling boar, second for boar and four of his get under six months, and third for two-year-old boar and boar under six months. Wm. Atchinson had the third-prize yearling sow, and N. T. Selby, Newcastle, the third-prize sow over two years.

**CHESTER WHITES** were well represented by strong, straight, lengthy hogs from the herds of H. George & Sons, Crampton, and W. E. Wright, Glanworth. Probably no breed in Canada has made greater improvement in recent years in conforming to the bacon type than the Chester Whites, and as an evidence of their prolificacy it may be mentioned that a sow belonging to Messrs. George & Sons farrowed at the fair in Toronto a litter of 21 living pigs. Messrs. George were successful in winning all the first prizes in the class, including sweepstakes for best boar and best sow, first for herd of a boar and two sows, for boar and his get, and sow and her produce. W. E. Wright, who showed only a few, won second prize for a capital yearling boar, young for his class, but lengthy, straight, smooth, and of fine quality. He won also second for a handsome, long-bodied boar pig under six months.

**DUROC-JERSEYS** were well shown by W. N. Tape, Bentpath; Tape Bros., Ridgetown, and a few by W. M. Smith, Scotland, each of whom had out excellent representatives of the breed as improved by Canadian breeders by selection and judicious feeding, the hogs as a rule being of good length, with fine, smooth shoulders, and standing on good legs. The Tape firms were successful in winning all the prizes in the class except the first for sow over six months and under a year, and second for boar over two years, which went to W. M. Smith.

**POLAND-CHINAS** were shown by W. M. Smith, Scotland, and J. C. Smith, Fairfield Plains, between whom the prizes were about equally divided, the hogs being good specimens of the breed, showing much more length of body than those shown in the United States, which is doubtless due to care and skill in selection, breeding and feeding, which in a few years changes the character of any class of stock.

Other distinct breeds were represented by an improved class of lengthy, smooth-bodied swine, shown by J. Featherstone & Son, Streetsville, and T. A. McClure, Meadowdale, between whom the prizes were nearly equally divided.

#### SHEEP.

Sheep were shown in goodly numbers in nearly all breeds on the list, and seldom if ever before in the history of Toronto Exhibition was a more uniformly good showing of high-class animals brought together there, the capacious building being well filled in every department.

**COTSWOLDS**.—What were on exhibition were certainly a superior lot, and showed that their handlers were no novices in fitting for the showing. A. J. Watson, Castlederg, well known, not only in Canada, but in the United States as well, as an importer and breeder of more than ordinary ability, showed a number of both imported and home-bred animals, and carried off 3rd on aged ram, 3rd on ram lamb, 2nd on aged ewes, 3rd on yearling ewes, 3rd on ewe lambs, and 2nd on open pen. Park & Son, Burgessville, also well known as importers and breeders, showed a number of big, stylish sheep, well fitted, but were considerably handicapped in that they were showing against a number of their own breeding, sold a few weeks before, on the understanding that they were not to be shown here, but in spite of this they carried off 2nd on aged rams, 4th on ram lambs, 1st on aged ewes, 2nd on yearling ewes, 2nd on ewe lambs, 1st and 2nd on pen of Canadian-bred, 1st on flock of Cotswolds, and 1st on pen of four lambs. Geo. Harding & Son, Waukesha, Wis., showed a splendid lot of newly-arrived imported sheep, selected by Mr. Robert Miller, of Stouffville. These sheep were certainly a very superior lot, and were in the pink of condition, and, of course, carried off the major part of first premiums, taking 1st on aged rams, 1st and 2nd on yearling rams, 1st and 2nd on ram lambs, 3rd on aged ewes, 1st on yearling ewes, 1st on ewe lambs, and 1st on open pen of Cotswolds. Thomas Teasdale, Concord, acted as judge.

**LEICESTERS** were also exceedingly well represented, the exhibit, on the whole, being one that would do credit to any country, and speaking volumes for the ability and energy of the exhibitors in the splendid condition in which the sheep were brought out, only a couple being in any way over-fitted. A. W. Smith, Maple Lodge, had a large number on exhibition that were a typical and uniformly good lot, and carried off 1st on aged ram, 2nd and 3rd on yearling ram, 1st on ram lamb, 2nd and 3rd on aged ewes, the same on yearling ewes, 4th on ewe lambs, 1st on open pen. J. M. Gardhouse, Highfield, also showed a number of imported and home-bred

sheep that showed careful fitting and nice quality, and although being handicapped to some extent by the loss of his choicest aged ram, which died on the grounds, and by having reserved some of his best for the Pan-American, he carried off 3rd on aged ram, 3rd on ram lamb, 1st on aged ewes, 1st on ewe lambs, 2nd on open pen, and 2nd on Canadian-bred pen. Whitelaw Bros., Guelph, also showed a number of nicely-formed and well-fitted animals that generally caught the eye of the judge when the prize tickets were being placed, getting 2nd on aged rams, 1st on yearling rams, 2nd and 4th on ram lambs, 1st on yearling ewes, 2nd on ewe lambs and 1st on Canadian-bred pen. Orr & Lillico, Galt, showed a number of well-fitted and big, square-framed sheep that might well have won more places, being only awarded 3rd on ewe lambs. Wm. Parkinson, Eramosa, was the judge.

**LINCOLNS**.—In point of number Lincolns were the least of any breed, Mr. J. T. Gibson, of Denfield, being the only breeder who filed an appearance, but what this breed lacked in numbers was more than made up in excellent quality and character of the animals shown. Mr. Gibson, being a critical judge of sheep, and partial to this breed, has bestowed much care and ability in bringing his flock to the highest standard of excellence, and has personally selected most of his importations from the best flocks in the Old Country. He, of course, carried off all the prizes in this breed. Mr. J. M. Gardhouse, of Highfield, officiated as judge.

**SHROPSHIRE**s were, as usual, shown in large numbers, and the quality of animals shown was of the highest order; indeed, it is very doubtful if a better lot of that favorite breed of sheep could be found together at any annual show in America. John Campbell, of Woodville, was, as usual, on hand with a number of his high-class sheep, well fitted and of fine quality, and carried off 2nd and 3rd on aged rams, 2nd and 3rd on yearling rams, 2nd on ram lamb, 1st and 2nd on aged ewes, 2nd on yearling ewes, 1st on pen Canadian-bred, 1st (special) on flock one year and over, 2nd on lamb flock, 1st and 2nd (special) on best ram, 1st (special) on best ram lamb, all Canadian-bred. The well-known importer, Mr. Robert Miller, of Stouffville, also showed a number of this year's importations, and, like all of Mr. Miller's imported ones, they were finely fitted and full of quality from the ground up. They won 1st on yearling ram, 1st on ram lamb, 3rd on yearling ewe, 1st and 3rd on ewe lamb, 2nd on open pen. D. G. & J. G. Hamner, Mount Vernon, also showed a large number of perfectly formed and covered sheep, imported and home-bred, and won 1st on aged rams, 3rd on ram lambs, 3rd on aged ewes, 1st on yearling ewes, 2nd on ewe lambs, 1st on open pen, 2nd on flock one year or over, 1st on pen of lambs Canadian-bred, also 2nd on ram lamb Canadian-bred. Geo. B. Phin, and A. Rudell, of Hespeler, were also in the struggle with a number of choicely-bred and well-formed ones, that should have stood in better favor with the judge, the former only being placed 3rd in flock of lambs. J. C. Duncan, Lewiston, N. Y., acted as judge.

**DORSETS** were also out in large numbers, and in quality could not be excelled in any country. Wherever J. A. McGillivray, of Uxbridge, is showing Horned Dorsets it is a positive guarantee that spectators will see as fine animals of that breed as can be found on earth, he having spared no expense in importing the best, including many Royal winners, and this year his sheep, under the care and fitting of Manager Silverside, came out in the very best condition, not one being overdone. Mr. McGillivray's awards were 1st and 2nd in aged rams, 1st and 3rd in yearling rams, 1st and 2nd in ram lambs, 1st and 2nd in aged ewes, 1st and 2nd in yearling ewes, 1st in ewe lambs, 1st and 2nd in open pen, 2nd in pen of Canadian-bred. Mr. R. H. Harding, Thorndale, also showed a number of extra nice ones, being fitted to perfection and showing ideal type and form, on which he won 3rd on aged rams, 3rd on aged ewes, 3rd on ewe lambs. Mr. N. Empey, Napanee, showed a number of extra good ones also; in fact, the Dorsets all through were an exceedingly even lot. Mr. Empey won 2nd on shearing ram, 3rd on ram lamb, 3rd on yearling ewes, 2nd on ewe lambs, and 1st on pen Canadian-bred. T. W. Hector, Erindale, and John Jackson, Abingdon, were the judges.

**OXFORD DOWNS** were shown in goodly numbers, but the quality and fitting, on the whole, was not up to the usual standard here, this being, perhaps, more apparent in the aged rams than any other section. Robert Miller, of Stouffville, showed a pair of newly-imported shearing ewes of fine quality, which carried off first prize. J. H. Jull, Mount Vernon, showed a useful lot, which were placed as follows: Aged rams 1st, shearing ram 2nd, ram lamb 3rd, aged ewes 1st, shearing ewes 2nd, open pen 1st, pen Canadian-bred 2nd, yearling ram (special) 2nd, yearling ewe (special) 1st. Smith Evans, Gourock, also had a number on exhibition, and was placed 2nd on aged ram, 1st and 3rd on yearling ram, 1st, 2nd and 4th on ram lambs,

2nd and 3rd on aged ewes, 3rd on one-year-old ewes, 1st and 2nd on ewe lambs, 2nd on open pen, 1st on pen Canadian-bred, 1st on best yearling ram (special), 2nd on best yearling ewe (special), 1st and 2nd on pen of four lambs. James Tolton, of Walkerton, placed the awards.

**HAMPSHIRE DOWNS** were, with one exception, shown only by Hon. M. H. Cochrane, Hillhurst, Quebec, whose sheep were an exceedingly nice lot, showing large size, strong bone, lots of good lean flesh, fine wool, and perfect fitting. The first prize in two-shear rams fell to Telfer Bros., Paris. This is a breed that we are persuaded deserves more attention in Canada, for the production of big early lambs and a superior quality of mutton.

**SOUTH DOWNS** were out in numbers galore. Perhaps never in the history of Toronto Exhibition were such a grand lot of these model mutton sheep seen together, and one thing that particularly struck the onlooker was the extraordinary evenness and similarity of the animals in the different sections as they were drawn up before Judge J. C. Duncan, of Lewiston, N. Y., who had no easy task before him. John Jackson & Son, Abingdon, were on hand, as usual, with a perfectly-fitted flock, and carried off 1st in aged rams, 1st in shearing rams, 2nd in aged ewes, 2nd in yearling ewes, 3rd in ewe lambs, 1st for open pen, 2nd for Canadian-bred pen. Hon. G. A. Drummond, Beaconsfield, Que., had also forward a large number of splendidly-fitted animals of excellent quality, reflecting great credit on the skill of Manager W. H. Gibson, on which he won 2nd and 3rd on aged rams, 3rd on yearling rams, 1st and 3rd on ram lambs, 2nd on aged ewes, 3rd on yearling ewes, 1st and 2nd on ewe lambs. W. I. Martin, Binbrook, was not a whit behind the others in the condition and quality of his exhibit, but was not quite as fortunate in the rating as his sheep appeared to merit. However, he got a good share of the colors, being placed 2nd on yearling rams, 2nd and 4th on ram lambs, 1st on aged ewes, 1st on yearling ewes, 4th on ewe lambs, 1st on pen of Canadian-bred. Telfer Bros., Paris, showed a number of high quality and perfect-covering, and it seemed should have been placed better in the awards, getting only 2nd place in the open pen, which is itself no small honor.

**MERINOS** were shown in considerable numbers, and were up to a higher standard in quality than usual. F. W. Clark, La Grange, N. Y., showed a number that were winners in their class, getting 1st and 2nd on aged ram, 1st and 2nd on yearling ram, 1st, 2nd and 3rd on ram lamb, 1st on aged ewes, 1st and 2nd on yearling ewes, 1st on ewe lambs, 1st and 2nd on open pen. R. Shaw & Son, Glanford Station, also showed a number that gave evidence of care in fitting, winning 3rd in aged rams, 3rd in yearling rams, 3rd in aged ewes, 3rd in ewe lambs. W. M. Smith, Scotland, was also an exhibitor, showing some well-formed animals, and winning 2nd on aged ewes, 3rd on yearling ewes, 2nd on ewe lambs, and 1st on pen Canadian-bred. J. P. Everitt, Mount Vernon, was judge.

#### POULTRY.

The exhibit of poultry and other pet stock at the Industrial this year was quite up to high-water mark, and in some cases over it. On entering the building at the south side, we came across as fine a collection of pigeons as was ever shown in Toronto, both for quality and quantity. Proceeding on the left-hand side was the turkey exhibit, which was not so large as former years, especially in the Mammoth Bronze class; there were very few old birds shown; being so early, a great many were moulting and out of plumage. W. H. Beattie, Wilton Grove; W. J. Bell, Angus; Ford & Son, Drumquin, and McDougall, Milton, were the prizetakers in this class. In white turkeys, Beattie is the principal exhibitor. Colwell, Paris Station, had also some good specimens. A yearling gobbler of Beattie's was a very handsome bird, and carried off first prize. A. O. V. turkeys, Beattie and Colwell were the only exhibitors. Geese.—In this class the exhibit was very fine, especially in Toulouse. The winners were Bogue, London, and Colwell, Paris Station. Some very heavy birds were shown. In the Embden or Bremen class Colwell was the largest exhibitor, and the birds were in fine plumage. We next came to the Aylesbury ducks, shown by Bogue, Colwell, W. Stewart & Son, Menie. Bogue got the first. There were some fifteen coops of Pekin ducks, and some very large specimens among them. Colwell and Bogue were the leading prizetakers. The Rouen ducks were good, but the drakes want the fine claret-colored breast they have when in full plumage. Colwell and Bogue were again to the front here. In Cayuga ducks, W. J. Teale, Guelph, had some fine specimens; and in Indian Runners (a new breed, which are claimed to be great layers, and very toothsome when on the table), S. D. Terminger, St. Catharines, was the leading exhibitor. In A. O. variety ducks, W. M. Smith, Scotland P. O., showed some Mandarins. Some good specimens of African and Chinese geese were shown by Colwell, Luxton, and W. M. Smith, in A. O. V. class. The Brahmas came first on the prize list, and were

excellent specimens, especially the light variety. Grand birds were shown by Geo. A. Tossy, Hamilton; Cameron, Brantford, and Sheridan, Oshawa. Sherwood Bros., Fergus, had good birds in this class. The Buff Cochins class was not so largely represented as in former years, but some fine specimens were shown by Chas. A. Stewart, London, and H. Wyatt, London. In Partridge Cochins, Richard Oke, London, carried off the red ticket; also, Allan Bogue got some prizes in this class. The birds of Latta Bros., London, in the White Cochins class, were very fine and in good plumage. The same firm had also some fine Black Cochins. The Dorkings were in fine plumage, and with their fine full, plump breast, make a fine table fowl. In Colored Dorkings, Allan Bogue had some fine birds, and Jas. McCormick, Rockton, got some prizes. G. J. White, Hamilton, had some good specimens in this class. In White, Bogue was the leading exhibitor. In Langshans, Robt. McCurdy, London, got the first for pen. The Orpingtons seem to be gaining in favor, as there was a fine exhibit of this useful breed. Black & Filbagner, Toronto, and W. K. Kerr, Toronto, were the prizetakers in this class. In the French breeds—Houdans, La Fleche, and Creve Coeur—the exhibit was not very large, but some good specimens were shown by Bogue, of London. The Wyandottes were out in great force, there being 36 entries in White, 35 in Silver Laced, and 21 in Golden; in Black, 91. For a general-purpose fowl, for either the table or egg production, the Wyandotte can't be beaten. Wray Bros., London, for Golden; Oke, London; J. R. Devin & Co., Emery, and Jas. Arthur, London, and Wray Bros., in Silver, were the principal prizetakers; while in White, Mrs. Shales, Toronto, had some grand specimens, and carried off the bulk of the honors in this class. J. S. Jeffery, St. Catharines, had also some good ones. In Buff, Morton Cosh & Co. took the prizes. H. A. Small, Toronto, was first on pen. In Black Javas, R. Oke was first. R. Devin & Co. had also good specimens. The show of Games was grand. Barber, Toronto, carried off the lion's share. An imported B. R. Game cock shown by Jas. Morley, Milton, took first; also was first at Manchester, and special at Birmingham, England. Was imported by the veteran breeder, Jas. Main, of Milton, and is a handsome bird. The show of Indian Games was small. Some good specimens were shown by J. H. Parsons, Osaca, and W. J. Teale, Guelph. They make fine crosses with Asiatic breeds for table birds. The Minorcas are fine layers, but, being tender, are not so good for a farmers' fowl. Henry Dunn, Toronto; J. H. Minshall, Brantford, and R. Durston, Toronto, were the prizetakers. The B. Spanish were a very poor show, and though good layers, are very tender. Andalusians are good layers, and were shown by Morton Cosh & Co. The White and Brown Leghorns were a very large class, and for egg producers can't be beaten. John Ramsay, Owen Sound, was the leading exhibitor in White, and some good birds were also shown in this class by J. K. Millard, Dundas; W. Stewart & Son, Menie; Thos. Rice, Whitby, and Good & Heron, Berlin. In Browns, Rice, Whitby; J. G. Taylor, Woodstock; K. J. Gracey, Welland Port, and J. G. Henderson, Hamilton. Oke showed some fine W. R.-Comb Leghorns; also, Jas. Mason, Woodstock. The Barred P. Rocks were also a very fine class, and, like the Wyandottes, cannot be excelled for general-utility fowl. There was no less than 91 entries in Barred, 36 in Buff, and 17 in White. Newton Cosh & Co., London, had some fine specimens; and W. Stugg, St. Catharines; Arthur H. Lake, Toronto, and A. B. Millard, London, were the leading exhibitors in Barred. In White, A. G. Brown, Watford; W. H. Bessey, Coleman, and Thos. Rice, Whitby. In Buff, G. A. Johnson, Ingersoll, and A. T. Redwood, Guelph. In Hamburgs, Polands, etc., Bogue, McNeill, and Oke, London, carried off the lion's share of the prizes. Mrs. Mary Jane McDougall, Milton, carried off the Massey prize for both chickens and ducks. There were no less than 376 entries of Bantams. A very large collection of canaries, and one very fine specimen of English magpie, shown by Chas. Johnson, Toronto. Mrs. W. Campbell, Snelgrove, first prize for brown eggs, and Mrs. A. W. Thomson, Bendale, for white—best dozen. The exhibit of Belgian hares was something wonderful, and fancy prices are got for fine specimens. Fox, Toronto, got first for a pair of imported ones; very fine color and good fur. There were some fine exhibits from Buffalo. Messrs. Donovan and Campbell, Toronto, had some very fine specimens of Golden, Silver and Lady Amherst pheasants, also Carolina Wood ducks and Mandarin ducks. There were six incubators and three brooders on exhibition—three in operation. The judges were: Messrs. Sharp Butterfield, London; L. G. Jarvis, Montreal; T. J. Sweet, Woodstock, for fowls; geese, ducks, and turkeys; F. C. Wagner, Toronto, pigeons; and J. Bertie, Toronto, cage birds. The Superintendent, Mr. C. J. Daniels, was very attentive and obliging, and had some coops and poultry supplies on exhibition.

APIARY

Unlike the past two years, the honey exhibit at the Toronto Fair this year was again up in excellency of quality, although not in quantity, to that of former occasions. Its pyramids of artistically-arranged extracted honey in glass, and also neatly-arranged comb honey in cases, in beauty of appearance and quality was not excelled by that of any former occasion, nor in attractiveness by any other exhibit upon the grounds.

No single institution, perhaps, has done more to place beekeeping and its product before the public in its right light than the Toronto Exhibition. The silent object-lesson on honey and its production which this fair annually presents to its thousands of visitors has done much to correct the many false, and often even superstitious, ideas concerning this industry which prevails. It was regrettable, however, that this year no better place could be had for this exhibit than a tent, which did not even protect it from the rain which prevailed during a part of the time it was there. This, we think, was the great mistake in this department of the fair.

As to the beekeepers themselves, we would like to see more take part in this annual competition and exhibition of their products. Those who exhibited this year were Mr. R. H. Smith, of St. Thomas, and Mr. Geo. Laing, of Milton, both old and regular exhibitors; Mr. G. E. Saunders, of Hornby, who has also exhibited before; Mr. Davidson, of Unionville, and Mr. R. F. Holterman, whom we all remember as a former editor of the Canadian Bee Journal, who had one entry among the new inventions. The prizes were awarded as follows:

- Best 50 lbs. of extracted granulated clover honey—1st, G. E. Saunders; 2nd, R. H. Smith; 3rd, Geo. Laing.
- Best 50 lbs. of extracted granulated linden honey—1st, G. E. Saunders; 2nd, R. H. Smith; 3rd, Geo. Laing.
- Best 500 lbs. of liquid extracted honey—1st, Geo. Laing; 2nd, G. E. Saunders; 3rd, R. H. Smith.
- Best 500 lbs. of comb honey—1st, G. E. Saunders; 2nd, R. H. Smith.
- Best 12 sections of comb honey—1st, G. E. Saunders; 2nd, Davidson; 3rd, R. H. Smith; 4th, Geo. Laing.
- Best 100 lbs. extracted liquid linden honey—1st, R. H. Smith; 2nd, G. E. Saunders; 3rd, Geo. Laing.
- Best 100 lbs. extracted liquid clover honey—1st, G. E. Saunders; 2nd, Geo. Laing; 3rd, R. H. Smith.
- Best 10 lbs. liquid clover honey—1st, Davidson; 2nd, R. H. Smith; 3rd, Saunders; 4th, Geo. Laing.
- Best 10 lbs. liquid linden honey—1st, R. H. Smith; 2nd, G. E. Saunders; 3rd, Geo. Laing; 4th, Davidson.
- Best 10 lbs. liquid buckwheat honey—1st, Geo. Laing; 2nd, R. H. Smith; 3rd, G. E. Saunders.
- Best beeswax—1st, Geo. Laing; 2nd, G. E. Saunders; 3rd, R. H. Smith.
- Best brood foundation—1st, G. E. Saunders; 2nd, R. H. Smith.
- Best section foundation—1st, G. E. Saunders; 2nd, R. H. Smith.
- Best exhibit of apian supplies—1st, R. H. Smith.
- For new invention—1st, G. E. Saunders; 2nd, R. H. Smith; 3rd, R. F. Holterman; 4th, R. F. Holterman.
- Best six uses for honey—1st, Geo. Laing; 2nd, G. E. Saunders; 3rd, R. H. Smith.
- For the most tasty and neatly-arranged exhibit—1st, R. H. Smith; 2nd, G. E. Saunders; 3rd, Geo. Laing.
- For the largest number of prizes—1st, G. E. Saunders; 2nd, R. H. Smith.
- For the best and most originality of design in setting up display—1st, R. H. Smith.

SUGAR-BEET DISPLAY.

One of the most instructive and interesting exhibits to farmers at the Exposition was that pertaining to the growing and cultivating of sugar beets. It was a happy conception when Prof. Shuttleworth's mind suggested an illustration plot in the fair grounds in order to show how the beets should appear when just ready to thin, one month afterwards, and when at full growth. Apart from this plot, and near at hand, was a display of beets and beet growing and harvesting implements. The beets were selected one each from some 400 farms on which the Government tests are being conducted this year, in the neighborhoods of Alvington, London, Simcoe, Waterford, Clinton, Peterboro, Berlin, Mount Forest, Port Perry, Walkerton, Cayuga, Lindsay, Whitby, Belleville, Dunnville, and Guelph College farms. The beets selected were average roots of the plots. They were pulled the last week in August, when about two-thirds grown, weighing from 12 ounces to 2½ pounds, tare weight. They were generally of good form, and so far as can be judged from results so early in the season, every district tested and represented at the Exposition is suitable for profitable sugar-beet production.

The implements shown consisted of a four-row seeder, two row cultivator; also a lifter. They were all manufactured by the Deere & Manson Co., Moline, Ill., and were used satisfactorily last year and this by W. K. Snider, Sombra, Ont., with beets grown for sugar. The seeder is adjustable to various widths, but used at 20 inches. The seed falls in a groove made by the spout, and is covered by a pair of wheels following, about two inches or less apart, which firm the soil about the seeds at the sides, but not over the top. The cultivator resembles a corn cultivator to some extent, but differs in some respects, in order to do away as far as possible with hand labor. The lifter is the simplest implement of them all, and is designed to overcome one of the chief difficulties in sugar-beet growing—that of harvesting the beets. It consists of a pair of parallel bars of iron, two inches apart, each about an inch and a quarter in diameter and some twenty or more inches long, fastened to a semicircular hoop attached to handles. The rods are about three inches apart at the points, also at the back, and turn up some two or three inches behind. The lifter is drawn by two horses astride

of the row, and not only separates the root from the firm soil, but lifts it as well, so that it is easily picked up by hand. The plot, implements and test-plot beets were in charge of Messrs. Robt. Harwent, of O. A. College; W. K. Snyder, and Prof. Shuttleworth, who were kept busy answering questions and giving information regarding the growing of sugar beets in Ontario.

THE FRUIT EXHIBIT.

The fruit exhibit in the Horticultural Hall was, on the whole, not up to that of former years, though very much better than one would expect in an off year like this. This was especially true of the apples. After such a dry, hot summer one scarcely expected to see such a fine display of apples; but the exhibit of pears was not so large or of as high quality as that of last year, though some very fine specimens were in evidence, and plums, owing, no doubt, to a combination of causes, were not nearly as good as usual. No doubt the dry, hot weather of July and the prevalence of rot had much to do with it. The finest exhibit of plums was from the Georgian Bay Fruit Experiment Station. The exhibit of grapes was probably the finest ever shown here, and to say that it was a beautiful sight would scarcely do it full justice. There could scarcely be given a better object lesson on the capabilities of this Province as a fruit country than those long rows of plates—tier upon tier—of fine luscious bunches with their varied coloring of black, red, white, and blue. The Niagara Peninsula and the vicinity of Hamilton furnished the bulk of the exhibits in grapes, as well as in peaches and pears, although there were some very fine exhibits of peaches from the County of Essex, and quite a number of prizes went that way. We noticed some very fine plates of Fitzgerald, Champion and Mountain Rose from Leamington, and also some very fine plates from Niagara-on-the-Lake. The extremely perishable nature of the peach was well illustrated by the large number of decayed specimens, the warm, humid atmosphere being too much for the peach, and it is indeed a triumph of modern methods and progress that this desirable though extremely perishable fruit can be laid down in the British markets in good, eatable shape. Taking the whole exhibit of fruit, one is impressed with the very large proportion of perishable fruit produced in the Province of Ontario. This fact, patent to any one at all conversant with the fruit industry, goes to show that the questions of cold storage, transportation and markets are the all-important questions facing the fruit-growers to-day.

The Burlington Horticultural Society had a very large exhibit of every kind of fruit grown in that section. The Bay of Quinte district still maintains its reputation for producing fine apples, and judging from the size and color of their display, the season must be two or three weeks earlier than the Lake Huron or Georgian Bay districts. Certainly, the exhibits were a credit to the district in which they were grown and to the growers who produced them. As usual, the bulk of the prizes in apples went their way.

The exhibits of fruit from the Experimental Stations probably attracted more attention than anything else in the building. The number of varieties shown by each Station ran from 70 to over 100, the largest being from the Bay of Quinte Station, and consisted mostly of apples. The collection of plums and apples shown by the Georgian Bay Station shows that in these two lines this famous district can scarcely be excelled, if equalled, in Canada. The Simcoe Station showed a collection of over 70 varieties, consisting of apples, plums and cherries. Burlington Station had a very fine exhibit of pears, plums and grapes. Mr. Hillborn showed a fine lot of peaches from Essex. Mr. Jones, of Maitland, had a very fine exhibit of apples from the St. Lawrence valley. Mr. Huggard, of the Whitby Station, had a large collection of pears and apples, his Kentish Fillbaskets being much the largest in the building. Mr. Pettit's exhibit of grapes (over 100 varieties) was probably the most attractive of all. They were very neatly arranged and of fine quality. Several varieties of hardy apples of fair quality were shown, from St. Joseph's Island, in Algoma, showing that apple culture is extending much farther north than was thought possible a few years ago.

WHAT THE FRUIT EXHIBIT TEACHES.

If the chief points of value to be learned from the fruit exhibit were condensed in a few sentences, they would be that certain localities excel in certain varieties of fruit, owing to the very variable climatic conditions of the Province. The Niagara Peninsula and Lake Erie counties are adapted for and certainly excel in grapes, peaches and pears, while the counties bordering on Lake Huron and Georgian Bay and those on the north shore of Lake Ontario excel in apples. That intending planters would do well to consult the nearest Experiment Station as to the varieties best suited to the locality in which they live. That a commercial orchard or plantation should be confined to a few varieties, and those of the very best. That owing to the rapid growth of the industry, the questions of markets, storage and transportation are of the most vital importance to the growers to-day. That it would be a good idea to offer some good prizes for fruits, say apples, pears, peaches and grapes, packed for export. That more room is needed for the fruit exhibit; the building is far too small. And finally, that one is impressed with the fact that fruit culture is destined to be one of the most important industries of the Province of Ontario.

## DAIRY PRODUCTS.

**CHEESE.**—The number of entries were not as large as one would expect them to be, considering that there are, all together, twenty-eight prizes offered. There was, however, a very creditable display, and Mr. J. A. Ruddick, the judge, stated that he never judged cheese at an exhibition before where the proportion of inferior cheese was so small. As compared with a few years ago, when he last had an opportunity of examining the cheese at this Exhibition, he said that the improvement in the style and finish was very marked. This result can be attributed, in a large measure, to the influence of the dairy schools, and if the work of these institutions had been productive of no other improvement, their establishment would have been justified.

While some of the cheese were not quite clean in flavor, the defect in the quality was a rather dry, stiff and crumbly body. This was especially true of the cheese in sections 1 and 2 (June and July). No doubt many cheesemakers will say to this, that it was necessary to make them firm and dry in order to have them hold a good flavor. Mr. Ruddick points out, however, that while flavor is very important, a cheese which is too dry is always an inferior article, and instead of making our cheese too dry, in order to allow of their being held without going "off" in flavor, we must endeavor to control the conditions of curing so that the cheese may be kept at a sufficiently low temperature to permit of the proper amount of moisture being retained. Moreover, these dry, crumbly cheese never have as fine a flavor as they would have if there were enough moisture present to give them a smooth, waxy body.

The competition in most sections was very keen, and the placing of the prizes following the first and perhaps second was a matter of no little difficulty.

**BUTTER.**—The entries in none of the sections were very large, but there was some fine butter shown in both the creamery and dairy classes. Like the cheese, there is a great improvement in the finish and appearance of the butter. The creamery butter packed in boxes was well finished and attractive. Some of the cases containing creamery prints did not reflect much credit on the exhibitors. The dairy prints were much neater than they used to be.

The most noticeable defect in the quality of the butter was in the matter of flavor, which shows that the ripening of the cream had not been, in all cases, managed to the best advantage. Mr. Ruddick put considerable stress on the matter of style and finish, because this has been admittedly one of the weak points of Canadian dairy produce, and it is hard to make the average dairyman realize how important it is.

**SCORING.**—The cheese in the different sections were all scored with the same standard for perfection in view, and that is the ideal export cheese. Regarding the scoring of cheese and butter, it seems to be a very general idea that the number of points awarded when cheese or butter is scored should represent a certain fixed standard of quality, and that a given number of points should always have the same value, though the scoring is done at different times, and in different competitions, even by the same judge. While this is true within certain limitations, it does not follow that if samples of cheese or butter from the same batch are scored in different places or upon separate occasions with varying results, that the judging in either case has not been accurate. The scoring is relative only for each competition, and the judge's standard may be varied in different cases without affecting the result in any way. Cheese which score 99 points at one exhibition or competition, are not necessarily better in quality than those which score say 97, or even lower, at some other place.

## CHALLENGE TROPHIES.

Butter trophy, for highest-scoring butter on exhibition—*I. Wenger, Aytton.*  
Cheese trophy, for highest-scoring cheese on exhibition—*Robt. H. Green, Trowbridge.*

## CHEESE.

Four colored (June and July)—*1, W. A. McLaren, Avening; 2, Geo. A. Boyes, Putnam; 3, M. Morrison, Harriston; 4, John Conolly, Malcolm; 5, J. W. Clarridge, Glen Huron; 6, J. S. Issard, Paisley.*

Four white (June and July)—*1, J. W. Clarridge, Glen Huron; 2, R. W. Thompson, Springbrook; 3, J. S. Issard, Paisley; 4, M. Morrison, Harriston; 5, James R. Burgess, Bluevale; 6, Mary Morrison, Newry.*

Three colored (August 1st to 15th)—*1, Mary Morrison, Newry; 2, Geo. E. Goodhand, Milverton; 3, Wm. A. McLaren, Avening; 4, Geo. A. Boyes, Putnam; 5, J. S. Issard, Paisley; 6, T. E. Whattan, Picton.*

Three white (August 1st to 15th)—*1, Robt. H. Green, Trowbridge; 2, Mary Morrison, Newry; 3, R. Elliott, South March; 4, Geo. A. Boyes, Putnam; 5, T. E. Whattan, Picton; 6, Geo. E. Goodhand, Milverton.*

Three truckle—*1, Mary Morrison, Newry; 2, W. F. Gerow, Napanee; 3, R. W. Thompson, Springbrook.*

## BUTTER.

Two tubs or boxes, 50 lbs. each, creamery—*1, Isaac Wenger, Aytton; 2, H. W. Parry, Compton, Que.; 3, J. C. Bell, Winchelsea; 4, F. J. Sleightholm, Strathroy; 5, W. H. Brubacher, Fergus; 6, Jas. Ireland & Son, Beachville.*

Seventy-five 1-lb. creamery prints—*1, George Balkwill, Lafontaine; 2, F. J. Sleightholm, Strathroy; 3, John McQuaker, Owen Sound; 4, W. H. Brubacher, Fergus; 5, H. W. Parry, Compton, Que.; 6, Henry Weeks, Palermo.*

Sixty lbs. creamery in 10-lb. packages—*1, Isaac Wenger, Aytton; 2, F. J. Sleightholm, Strathroy; 3, W. H. Brubacher, Fergus; 4, Henry Weeks, Palermo; 5, J. C. Bell, Winchelsea.*

Farm dairy, two tubs, 30 lbs. each—*1, Mary Hunter, Rockton; 2, Chas. E. Rogers, Dorchester Station; 3, A. Hutton,*

*Brampton; 4, W. Parkinson, Jarvis; 5, Jas. M. Dolson, Alloa; 6, Mrs. M. Klein, Holstein.*

Farm dairy basket, 1-lb. prints, not less than 10 lbs.—*1, A. Hutton, Brampton; 2, W. Parkinson, Jarvis; 3, Jas. E. Rogers, Dorchester Station; 4, Wm. Whitelaw, Meaford; 5, Mary Hunter, Rockton; 6, Duncan Stewart, Hampstead.*

## The Buttermaking Competitions at the Toronto Fair.

As usual, this feature proved very interesting to as many as could find sitting or standing room to watch the operation of churning and working the golden butter. The competition was keener and more exacting than in previous years. Owing to delay in getting a supply of ripened cream, no contest took place on Monday morning, Sept. 2nd. In the afternoon, ten competitors lined up to receive their instructions from the judges. The cream was somewhat higher in temperature than it should have been to secure the best quality of butter, which gave the competitors an opportunity to exercise their skill in chilling or cooling the contents of the churn. There is no doubt the quality of the butter under the circumstances would have been better had a small quantity of finely-cracked ice been added to the churns when they discovered the butter was coming so soon, but, except in one instance, this was neglected. On Tuesday morning and afternoon the contests were held, and on Wednesday the results were announced as follows: 1st, Miss Helen McAllister, Coventry; 2nd, Miss Ethel Hewson, Mayfield; 3rd, Miss M. L. Green, Loyal; 4th, Robt. Ireland, Beachville. Owing to the small quantity of cream, three gallons to each contestant, Mr. Thomas, who was using a large dairy combined churn and worker, withdrew before the contest closed. The Columbia air churn was in operation, and while a good machine and free from the faults of many patent churns, it could not make good the somewhat extravagant claims of the manufacturers.

In the dairy class, "open to farmers' wives or daughters, or help (male or female), in any farm dairy in Canada," nine contestants appeared. The neat appearance of the ladies in their white uniforms and the dexterity shown in working and printing the butter was favorably commented on by spectators. In this class, four competitions were held, and it was with considerable difficulty, owing to the keenness of the competition, that the judges decided to award the first prize to Miss Mary Hunter, Rockton, with a score of 95.19. Marshall Stonehouse, Port Perry, was second; score, 95.06. Chas. E. Rogers, with a score of 94.39, stood third; while the fourth prize was awarded Miss J. Stewart, Hampstead, who scored 93.31 points. The scale of points used in both classes was as follows:

	Perfection.
Preparation of utensils.....	5
Straining and coloring of cream.....	5
Granular butter.....	5
Washing and salting.....	5
Marking butter.....	5
Neatness and cleanliness—person and work.....	20
Quality of butter.....	25
Cleaning utensils.....	5
Exhaustiveness of churning.....	5
Time.....	20
	100

The judges were of the opinion that it would be an improvement to revise the scale so that "quality of butter" would count 50 points instead of 25.

As such a large number are now taking part in these competitions, additional classes should be provided. The first might include farmers' wives or daughters who have never won any prizes at former buttermaking competitions. The second class could be limited to farmers' wives or daughters who have won prizes in former buttermaking competition. A third class might include buttermakers (male) employed in creameries. A fourth class could be made for males (non-professional) who have never won money in a public buttermaking contest. Two churnings would be sufficient in each class, and no competitor should be allowed to enter in more than one class. Then, if the work could be spread over a little longer time by starting the competitors at different times, the spectators could see the work going on in its different stages in a much shorter time, affording opportunity to more people to see the competition, which is very desirable, owing to the limited accommodations provided. This might be done by starting a class of competitors, say one every ten or fifteen minutes. This plan would also do away with the racing feature all too evident in the competitions as at present conducted, and prevent competitors, consciously or unconsciously, copying each other's methods of doing the work. What is wanted is to allow the competitors every facility for doing the work as they do it in their own dairies, and afford spectators opportunity of comparing the methods of the competing makers. The directorate, more especially in the person of the indefatigable chairman of the committee on dairying, A. F. MacLaren, M. P., is to be congratulated on the success of this feature of the fair. The "Leader" barrel churn and the automatic cream-ripening vat were kindly loaned by the manufacturers.

## Progressive Men Appreciate It.

I am receiving your most valuable paper since I left the college (O. A. C.), 1882, and no farmer in the country should be without it.

Beauce Co., Que. ADOLPHE G. TOURANGEAU.

## Pigs at the Pan-American.

The breeds of swine represented at the Pan-American Exposition at Buffalo, N. Y., where they were judged on Aug. 28th, were Berkshires, Tamworths, Large Yorkshires, Small Yorkshires, Chester Whites, Poland-Chinas, Duroc-Jerseys, Cheshires, Victorias, and Essex. There was a good display in all classes, except Small Yorkshires and Essex, which were few in numbers and not particularly strong in point of quality. Canada was represented only in the three first named, and to those our report is mainly devoted. The bacon type was largely in evidence in the Canadian contingent, and was a revelation to a great majority of the farmers present, who were amazed at the size (for age), the length and depth of sides, the general smoothness of conformation and fine quality of flesh carried by the animals of English origin as bred in Canada, which were in strong contrast to the short, thick, fat-backed, heavy-jawed American breeds as bred and fed in the States.

The Large Yorkshires, represented by selections from the great herds of Messrs. D. C. Flatt & Son, Millgrove, and Brethour & Saunders, Burford, were exceedingly creditable to Canadian enterprise, and elicited admiration from all observers. Entries were also made by Mrs. A. J. Wilson, Pittsfield, Ohio, and F. B. Stewart, Espyville, Pa., but the former were of the Small Yorkshire type, and the latter not equal in quality to the Canadian exhibits, and could only get into third and fourth places in a few instances. Prof. G. E. Day, of the Ontario Agricultural College; Mr. Thos. Teasdale, Concord, Ont., and Mr. Jones, of Indiana, constituted the jury of awards in this class, and theirs was no easy task, owing to the closeness of competition in most of the sections and to somewhat varying types in a few, making it difficult to harmonize and to maintain consistency in the rating. The ball opened with the call for boars two years old and over, in which section Messrs. Flatt had a sure winner in the superb hog, Summerhill Victor 6th, bred by themselves, sired by Look-Me-Over and having for his dam Josephine 3rd. This hog was the center of admiration for swine breeders, and is admittedly the best of the breed ever seen on this continent, being straight and smooth in all lines, standing well on the best of timber, showing indications of strong constitution, having great length and depth of body and the finest quality of flesh and hair. He is, indeed, a credit to the breed and breeder, and should add greatly to the character of the herd in which he was produced and in which he is to be one of the leading sires. The second place was given to Oak Lodge Gamester II., an excellent hog, of fine form, from the herd of Brethour & Saunders, who had also the third prize winner in Oak Lodge Conquest VII. The Summerhill herd of Messrs. Flatt furnished the first-prize winner in the section for yearling boars, in Summerhill Ruler, another son of Look-Me-Over, bred by the owners, and of much the same type as his half-brother, the winner in the older class. The Oak Lodge bred entry, Cromwell, owned and exhibited by F. B. Stewart, of Pennsylvania, made a good second and the third award fell to Bobs, by Imp. British Hero, dam Delaware Maid, shown by Mrs. Wilson, of Ohio. Oak Lodge Commissioner, a lengthy, level, typical baconer, full of quality, was an easy winner for Brethour & Saunders in the section for hogs over six months and under a year, and the strongest competitor of Summerhill Victor 6th for male championship. He is a son of Imp. Ruddington Lad and of Constance, and is a hog of splendid presence and promise. Summerhill Judge, another son of Look-Me-Over, and out of Holywell Lilly, a smooth, well-formed, strong-boned hog, standing well on his feet, made a good second for Messrs. Flatt, and the third place was given to Belvoir Baronet, a useful entry by Mrs. Wilson, bred by R. Gibson, Delaware, Ont. The Oak Lodge herd was strong in boars under six months and won out with first and second prizes for Oak Lodge Chancellor I. and Oak Lodge Canadian, both sired by the old champion, Oak Lodge Conqueror, and measuring well up to the standard in conformation and quality. Summerhill came in for third prize, and the fourth and fifth places were given to Oak Lodge entries. A great ring of nine sows two years and over was headed by the beautiful and useful Oak Lodge Julia 7th, of Brethour & Saunders' string, a sow of splendid style, smoothness, conformation and quality, sired by Imp. Charles I. A very strong second was found in Dalmeny Long Lass 3rd of the Summerhill contingent, an imported sow of enormous size, length and depth of body, and, withal, smooth and of fine quality. Third place was also filled by a Summerhill entry, Royal Beauty 5th, another very large sow, of grand type and character. The selection for yearling sows proved a puzzling one to the judges. There were eight in the ring and all exceedingly good ones, but there was a divergence of types. Two of the Summerhill entries, Cicely and Katie II., were very large and conformed closely to the bacon type, though lacking in showy style, a feature that was prominent in the Oak Lodge sows, which were of good size and tolerably uniform in stamp, though not of the extreme bacon type. It seemed to the onlooker that where the first award went the second should, in order to be consistent, follow, and it was a question where a beginning should be made. But after much debate, Flatt's Cicely, firm and full of the finest flesh, was given pride of place, and the Oak Lodge entries, Julia 13th and Cinderella 30th, by Oak Lodge Conqueror, placed second

and third, respectively, while Summerhill Katie II. dropped into fourth place, and Oak Lodge Cinderella 37th came in fifth. It looked like a mix and a case of compromise, and to the mind of the reporter one not easily explained, but such complications occasionally meet the judges and they have to get over them as best they can. Summerhill sent in a pair of particularly good sows over six and under twelve months, named "Bean" First and Second, by Imp. Ruddington Lad. The latter, probably the better of the two, was temporarily lame, which seriously handicapped her, but her sister was considered by the judges good enough for first place, the second being given to Oak Lodge Clara 18th, by Oak Lodge Conqueror, and third to Bean II. from Summerhill. Miss Hollingworth 2nd, by Imp. Bottesford Wonder, of Flatt's herd, was a good first as under six months. Oak Lodge had the second and third winners in Lady Clara 21st and Lady Clara 22nd, litter sisters by Old Conqueror. The sweepstakes for best sow any age went to Brethour & Saunders for the first-prize two-year-old sow, Oak Lodge Julia 7th, and the male champion was Messrs. Flatt's Summerhill Victor 6th, the first-prize two-year-old boar.

In addition to the 14 head shown by them at the Pan-American, Messrs. Flatt & Son had at the same time an exhibit of 20 head at the "Pan-Canadian" at Toronto, headed by imported Bottesford Wonder, which won every first prize in the breeding class for Yorkshires, and also first in both classes of export bacon hogs, a remarkable and unprecedented record.

**Berkshires.**—There was a really good show in the Berkshire class, though the number of exhibitors was limited to half a dozen. Prominent among these was the Biltmore Farms of Mr. Vanderbilt at Biltmore, N. C., and under the management of Mr. Reuben Gentry; T. A. Cox, Brantford, Ont.; Homer Bros., Greenville, Pa.; A. Crawford, Columbus Grove, Ohio, and Richard H. Stone, Trumansburg, N. Y. The most of the pigs shown were either imported from England or directly descended from stock imported in recent years. The Canadian contribution differed considerably in type from those bred in England or reared in the States in that they were more lengthy and conforming more nearly to the bacon type, having been fed principally with a view to producing lean meat, hence it was not always easy for the two judges, Prof. Day, of Guelph, Ont., and Mr. Jones, of Indiana, to agree upon the rating of the individual animals, but the work was accomplished with scarcely any friction, the awards being, on the whole, satisfactory to exhibitors and the public. The aged boars were a good lot of seven entries, and Bob Tombs, of the Biltmore string, a handsome, smooth, well-fermed and well-fleshed hog, was conceded first place by common consent; second place being given to Cox's Major Lee, a strong, straight-boned hog not highly fitted; Florry Highclere, a Biltmore entry, securing third place. Yearling boars were five in number and a very good lot, Biltmore again heading the list with Loyal Lee, but not without demerit, as Homer's King Victor, a boar of good type, smooth in flesh and standing well up on his feet, and Bright Star, of similar stamp, shown by Crawford, which were placed second and third, might, in the opinion of some onlookers, have well gone higher in the list. In the section for boars six months and under a year old, Biltmore Farms again won first honors with Loyalist of Biltmore, a handsome pig of fine character; second going to Cox's John Ruskin, a strong, useful pig; and third to Crawford's Buffalo Bill. Boars under six months were well represented in a strong class, in which the first and second prizes fell to the Canadian herd for Southern Volunteer and Satisfaction, both strong, straight, smooth pigs of fine form and quality. Sows two years or over made a very large class, including several imported animals, but none of outstanding merit, except the two Brantford entries, which were large, lengthy and smooth in form, and to our mind should have had first and second places without protest, most of the others being short and far from strong show sows. The types being so widely different, the two judges failed to agree, and the referee called in selected ones of Cox's entries, Model Princess, for first place; Biltmore Farms' Buscot Fancy for second; Highclere Gem III., from the same herd, for third; and Crawford's Grove Mills Queen for fourth; while Cox's Fashion, the favorite of Prof. Day and the Canadians present, a sow of great length and smoothness and fine quality, was relegated to fifth place. For real usefulness as a breeder we should say she is worth three of those placed above her. Yearling sows were an excellent class of eleven, most of which were of very desirable type. Two excellent daughters of Cox's fine sow, Fashion, were included, but they were not appreciated by the American judges and fared as ill as their dam. The first place was given to Baroness Topper II., of the Biltmore herd; second to her sister, of the same litter and herd; and third to Homer's Victor's Model. In a fine ring of sows over six and under twelve months, Cox had an outstanding first in his Matchless, second and third awards going to Biltmore Farms, and fourth and fifth to Homer Bros. In sows under six months, also, Cox furnished a clear first-prize winner in Fashion 1st, second going to Homer Bros., and third to Crawford. The sweepstakes for best boar any age was given to Biltmore Farms for their first-prize yearling boar, though in the opinion of many the first-prize two-year-old boar was much better entitled to it. The female sweepstakes also fell to Biltmore Farms for Baroness Topper, the first-prize yearling sow.

**Tamworths.**—There was a good display in this class, although the competition was mainly between the two Canadian herds of John C. Nichol, Hubrey, and Reid & Co., Hintonburg, the principal exhibitor from the States being R. S. Hartley, Dugall, Pa., who came in for a few minor prizes. Both of the Canadians showed strong herds, well up to the standard of the best bacon type, and well fitted, being full of flesh of the best quality. Nichol was first in aged boars, with Chatham Hero, and Reid & Co. second with Amber King, both grand, big, smooth hogs. In boars over one and under two years, Reid & Co. were first with Bobs, and Reid & Co. second with Red William. In boars over six and under 12 months, Nichol was first with Hero's Heir, and Reid & Co. second with their newly-imported Whiteacre Bruce, young for the class, but of nice quality. Boars under six months were headed by Nichol's Dingman Boy, and the same exhibitor took second and third with Elmdale Chief and Elmdale Bob. In a very strong class of sows over two years, Nichol was again first and second with Maud 3rd and Elmdale Rose, Reid & Co. coming in third with Delilah. Yearling sows were a really good lot, and first prize went to Nichol, second to Reid & Co. In sows over six months and under a year, the newly-imported sow, Knowle Mayflower, of the Hintonburg herd, smooth, well-formed, and full of quality, but young for the class, had to take second place to Nichol's Lady Alice, while third prize went to Reid & Co. Sows under six months were a good lot, and the Hubrey herd captured first and second awards, third going to the Hintonburg herd. The sweepstakes award for best boar went to Nichol's first-prize aged boar, Chatham Hero, and the female champion was Lady Alice, of the same herd, first-prize winner as over six and under twelve months. The display in the classes for Poland-Chinas, Duroc-Jerseys and Chester Whites was very good, the hogs being highly fitted and carefully handled and shown, but excessively fat and entirely unfitted for the export trade to which Canada caters, but the United States breeders are not cultivating that trade, and contend that with cheap corn, their common and handy feed, there is more money for them in fattening their hogs on that product to greater weights than we do and selling at the lower price prevailing for the class of hogs they produce. From their standpoint there is force in their reasoning, and if they are satisfied, we need not complain nor commiserate them, though we cannot but think that an infusion of the blood of our lengthy hogs would add to the prolificacy and profitableness of their swine, and import vigor of constitution as well.

## FARM.

### Wheat Growing and Soil Fertility.

Prof. H. Snyder, Chemist of the Minnesota Experiment Station, has issued the results of several years' experimental work on the above subjects, the results of which he gives in the following:

#### CONCLUSIONS.

1. When wheat was grown continuously upon the same soil for eight years, there was a loss of 1,700 pounds per acre of nitrogen, about 300 pounds being utilized as plant food and 1,400 pounds lost by the decay of animal and vegetable matter of the soil and the liberation of the nitrogen as gaseous and soluble compounds. During the eight years of continuous wheat cultivation there was a loss of over 21 per cent. of the total nitrogen of the soil, equivalent to an annual loss of 175 pounds per acre, in addition to that used as plant food.

2. When wheat was grown in a rotation with clover and oats, five crops of wheat being removed in eight years, larger yields per acre were secured and the total loss of nitrogen from the soil was reduced to 800 pounds, or about 450 pounds in excess of that utilized as plant food. When corn was grown with clover and oats in a rotation and farm manure was used, the total loss of nitrogen from the soil, for eight years, was less than one hundred pounds in excess of that removed as plant food.

3. When the oats and barley were grown continuously, the losses of nitrogen from the soil were nearly as large as when wheat was grown continuously.

4. When corn was grown continuously, the loss of nitrogen from the soil was less than half as large as when wheat was grown continuously. When corn is introduced into a rotation of crops, the losses of nitrogen are less than if wheat were grown.

5. When wheat was grown continuously there was an annual loss of over 2,000 pounds per acre of humus, due to the fermentation and decay of the animal and vegetable matter of the soil. When wheat was grown in a rotation with clover and oats, no material loss of humus from the soil occurred.

6. The loss of humus changed the physical properties of the soil, causing it to be less retentive of moisture, lighter in color, and heavier in weight per cubic foot. During times of drought, the soil from the continuous wheat-cultivated

plot contained less water than the soil from the plot which produced wheat in rotation with clover. Humus conserves the moisture of the soil, while the rotation of crops, the use of farm manures and the growing of clover conserves the humus of the soil.

7. When bare summer-fallowing is practiced, a heavier loss of nitrogen occurs than when wheat is grown continuously. Summer-fallowing favors the decay of the humus and the loss of nitrogen. While larger crops of wheat are produced after a year of fallow, this increase is followed by a heavy loss of the total nitrogen of the soil. Summer-fallowing rapidly exhausts the soil of its nitrogen.

8. When the nitrogen and humus of the soil were conserved by the rotation of crops and the production of clover, an increase of 20 bushels per acre of corn and 5.7 bushels of wheat were secured.

9. Wheat is not an exhaustive crop when it is grown in a rotation, but when it is grown continuously the fertility of the soil is impaired. It is not the crop itself that reduces the fertility, but it is the lack of systematic methods of farming which cause the decline of fertility. Old wheat soils readily recuperate when some humus-forming materials are returned to the soil. By the rotation of crops, the use of farm manures and the cultivation of clover the heavy losses of nitrogen and humus from the soil can be checked, and larger yields and a better quality of wheat secured.

### Silos and Silage.

Twenty years ago there were not twenty-five silos in America. At the present time there is fully half a million. There must be reasons for their rapid introduction. The first is, a silo enables us to feed our milk cows succulent food in the winter, instead of dry hay or straw. There is less waste than is possible with any other system of feeding. Then, there is such a saving of time and storage over the system of shocking and housing. When feeding ensilage there is no sudden change of feed, which changes are so readily noticed in the flow of milk.

All know that all silage has not the same feeding value; that this depends entirely on the quality of the silage. This quality is not obtained solely from the structure of the silo, although a silo must be air-tight and not allow the silage to freeze; but rather in the quality and condition of the corn when harvested.

Corn planted for the silo should be planted the same as for ears, say three feet each way, and thoroughly hoed and cultivated, to keep the ground clean and moist, as long as a horse can go through it without breaking it down.

A few years ago everyone in this locality went in for raising the large Western varieties, which never fully matured, although it often reached a height of 15 and 16 feet. Now we are better educated in corn-growing, and plant some variety which will yield as good a crop of ears as possible, valuing the ears for silage of greater value than long leafless stalks. Longfellow Yellow Flint is extensively grown here when planted early; but if the season is backward, like this year, we use as early a maturing variety as possible, Compton's Early or North Dakota White Flint being favorites for late seasons.

As to the proper time for filling, the general opinion is to cut in the doughy stage, just before maturity. If cut too early it is too soft and the silage is poor and sour.

Mix well when filling, and pack as solid as possible; and if too dry, wet the top thoroughly, sowing a pan of oats on top to grow an air-tight covering.

For the benefit of others, I would like to give two peculiar cases that came under my observation and may be of untold value to some reader of the "Farmer's Advocate."

Four years ago, when the corn crop was just in the milk, one night there was a heavy frost, and everyone thought the corn crop was spoiled. There was a great rush to fill silos, the corn being all white and wilted, it taking three or four days before some silos were filled. But, curiously enough, the silage made was of a first-class quality, apparently not injured in the least by the frost.

Another and more interesting experiment was tried by a near neighbor last fall. He had his corn about a mile and a half from his silo, and could not get teams enough at the time for filling to haul it, so he cut and shocked his corn when it was nicely glazed. He then went at his plowing and waited till the ground froze up; then he drew his corn into a monster pile in the yard, it snowing on it one of the days he drew it, and then he cut and filled his silo. For two days he kept the top covered with water, then left it to settle, and when opened was pronounced by experts "Good silage."

W. T. F.  
Grenville Co.

DAIRY.

How the High-scoring Cheese at the Pan-American Were Made.

1. What precautions did you observe when taking in the milk?
2. Did you use a "starter"? If so, what kind, how prepared and used?
3. Did you wash the curds? If so, how, at what temperature of water, and at what stage or stages of the curd?
4. At what temperature did you put to press, how long was the cheese pressed, and how often was it turned in the press?
5. (a) At what temperature was the cheese cured?
- (b) Describe your system of ventilating and cooling?
- (c) How long was cheese held in curing room?
- (d) How often was cheese turned on the shelves?
- (e) What per cent. of moisture was maintained in the curing room?

Let it be remembered that these makers, while they follow the standard rules for Cheddar cheese-making, also have picked up many little methods and practices for improvement by reading dairy literature and observation and experiment, so that the lessons they teach in their respective letters are the results of keen effort anxiously and wisely pursued, and their cheese tells the tale of the wisdom of their practices.

S. B. BROWN, LAMBTON CO., ONT.

In answer to your questions re Pan-American cheese competition:

1. I observed no unusual precautions in taking in the milk on the day these cheese were made. I insist on having good milk from my patrons at all times.
2. A starter was used of our own make from picked milk, about 100 lbs. for 10,000 to 11,500 lbs., put into the vat as soon as the first load of milk was in.
3. Curds were not washed.
4. Went to press at a temperature between 80° and 85°; pressed about 22 hours; turned once after they were dressed.
5. (a) Cheese were cured at a temperature between 65° and 73°.
- (b) Room was ventilated with one shaft from a thoroughly insulated room, and by opening all windows when cooler outside, having an unfinished sub-earth duct.
- (c) Cheese were 20 days in curing room.
- (d) Were turned every day on the shelves.
- (e) Do not know the per cent. of moisture, but there was too much.

E. E. KENNEDY, WELLAND CO., ONT.

1. Special care was taken to reject all tainted, gassy and overripe milk.
2. No starter was used. The milk worked fast enough without it.
3. I did not wash the curds.
4. I put the curd to press at 83 degrees, pressed it for 22 hours and turned cheese three times in press.
5. (a) The cheese was cured at a temperature of 66 to 70 degrees.
- (b) I ventilate by having an opening three feet square in the ceiling. A wooden box runs from it through the upstairs, to 1 foot square in the roof; also by leaving all the windows open nights. I cool the room by means of ice.
- (c) Cheese were three weeks old when shipped.
- (d) Cheese were turned every 12 hours in curing room.

M. MORRISON, WELLINGTON CO., ONT.

1. I pay close attention to each can when weighing in the milk, and reject anything that is not in good condition.
2. Yes, in cool weather I use a starter made of good clean milk which I know to be right for the purpose.
3. I wash the curds right after milling, with clean water at a temperature of 95 degrees, using about eight pails on an average curd. A curd that is gassy or tainted I use more. I always air the curds well before salting.
4. I try to have the temperature at 84 degrees before putting to press, and turn the cheese in press twice and have them in the press 22 hours.
5. (a) From 65 to 70 degrees.
- (b) We regulate our temperature by our windows and doors as best we can, and ventilators through ceiling and roof.
- (c) Five weeks.
- (d) Every morning.
- (e) We have no means of telling the per cent. of moisture in curing room, but try to regulate to suit the curing of the cheese.

W. A. BOTHWELL, OXFORD CO., ONT.

I do not know that I have any remarks to make regarding our cheese shown at the Pan-American. We did not make any special effort on the cheese we sent. We wash all our curds after grinding, with water at 96 degrees heat, and we use ice in our curing room to keep it cool in hot weather.

Notes from the Model Dairy.

During the past few days cattle have been arriving for the Pan-American Exposition cattle show by the hundreds. Incubator and other exhibits in the stock barns have been removed to make room for them.

Canada is well represented in this department. Saturday night 17 carloads of Canadian cattle came in, and the Dominion is said to be represented by about 220 animals now.

Among the Canadian exhibitors are: Louis Thouin, Jos. Dugas, and Messrs. Denis and Sylvester, all of Quebec, with French-Canadians. Mr. Geo. W. Clemons, of St. George, and Geo. Rice, Currie's Crossing, Ont., with Holsteins; W. W. Black, Amherst, Nova Scotia, and H. D. Smith, of Compton, P. Q., with Herefords; W. E. H. Massey, of Toronto, with Guernseys; W. W. Ogilvie, of Lachine Rapids, P. Q.; J. G. Clark, of Ottawa; R. R. Ness, Howick, P. Q.; Robt. Reford, St. Anne de Bellevue, P. Q., and R. B. Angus, Sennville, P. Q., with Ayrshires; Mr. Rudd, of Eden Mills, with Devons; Messrs. W. D. Flatt, Hamilton, Ont.; Watt, Salem, Ont., and Greenway, Crystal City, Man., with Shorthorns; J. Bowman, of Guelph, with Polled Angus; and D. McCrae, of Guelph, with Galloways.

A large representation from the States are already here, and more to follow from Syracuse, where they have been at the State Fair. A week's test of Holsteins, in which fourteen animals are to take part, is one feature of the cattle show which will be of especial interest to Holstein breeders.

A SHOW SILO.

A modern silo has been built at one corner of the Model Dairy barn, and filled for supplying fall feed to the 50 cows in the six-months test. The silo is of the round pattern, but not the cheaply-put-up kind. This one was made and set up by the Moseley & Stoddard Mfg. Co., manufacturers of dairy apparatus. It is made of matched two-inch cypress staves, and bound by eleven 7/8-inch round iron hoops, the dimensions being 12 feet in diameter by 26 feet high. This size and style of silo I believe is sold at about \$200, and is claimed at that price to be cheaper than one of ordinary lumber at half the price. The capacity of this silo is said to be 60 tons, but as it was filled in such a short time only 50 tons could be crowded in, sufficient time not being given for it to settle. The filling was done with a No. 19 Ohio feed cutter with blower for elevating and with a threshing engine for power; handled the corn at the rate of ten tons per hour. The corn used for filling had been planted too thick, in our opinion, to make the best silage, the stalks being mostly quite small and without ears.

HOLSTEINS CREEPING UP.

By cutting out their ration of hay last week the Holsteins reduced the cost of ration enough, together with a gain in the yield, to bring them up to third place in point of profit on butter for the week (the first time this position has been held by them in this particular). A part of the cost of the hay ration was put into an increased amount of green corn, it being deemed by the herdsman the hay (alsike clover cut rather ripe) was too fibery and woody to be as valuable as the official price placed it (\$7 per ton). Green corn is figured at \$1.75.

TWO VS. THREE MILKINGS.

The interest shown in the matter of two vs. three milkings daily, as was mentioned in the last issue, has led the writer to make a tabulation showing the pounds and percentages of losses in milk, fat and total solids, with the different herds, comparing the two weeks preceding the 20th of August with the two weeks following, this date being the one on which the change was made from three to two milkings daily with the Brown Swiss, Polled Jersey and Dutch Belted breeds, the others continuing with three milkings daily. The larger losses in all herds was due chiefly to unfavorable weather and local conditions (very hot in barn). In justice to the twice-only plan it should be borne in mind, in looking over the tables, that the temporary effect of the change of method would count against the three breeds making the change, all figures from the day of the change being included in the tables; besides, one of the Polled Jersey cows has been sick and sustained a loss of 56 lbs. of milk in one week, which, of course, brings up the per cent. of loss on the three breeds unduly.

TWO VS. THREE MILKINGS DAILY IN MODEL DAIRY.

BREED.	Two weeks ending Aug. 20.			Two weeks ending Sept. 3.			Two weeks ending Aug. 20.			Two weeks ending Sept. 3.			Percentage Total losses.		
	Yield of milk lbs.	Loss or gain	Per cent.	Yield of milk lbs.	Loss or gain	Per cent.	Yield of milk lbs.	Loss or gain	Per cent.	Yield of milk lbs.	Loss or gain	Per cent.	Milk.	Fat.	Solids.
Shorthorn	236.1	208.7	23.4	83.2	76.05	7.87	297.67	269.79	27.88	279.5	262.5	17.0	8.5	8.0	8.3
Holstein	273.5	262.5	11.0	92.3	88.08	4.45	336.94	323.88	13.06	273.5	262.5	11.0	8.5	8.0	8.3
Ayrshire	227.5	207.1	21.9	87.08	77.62	9.46	290.82	262.41	28.41	227.5	207.1	21.9	8.5	8.0	8.3
Jersey	198.1	183.3	15.2	91.31	85.32	6.02	271.57	256.59	17.98	198.1	183.3	15.2	8.5	8.0	8.3
Guernsey	195.7	173.9	21.8	91.45	81.72	6.73	271.5	246.87	24.63	195.7	173.9	21.8	8.5	8.0	8.3
Red Polled	217.7	197.6	20.1	85.92	76.5	9.42	287.65	252.18	35.47	217.7	197.6	20.1	8.5	8.0	8.3
French-Can.	174.2	165.9	4.8	70.97	65.91	4.06	232.18	214.77	17.41	174.2	165.9	4.8	8.5	8.0	8.3
Totals	1526.2	1395.0	129.2	603.21	555.69	48.01	1991.33	1826.49	164.84	1526.2	1395.0	129.2	8.5	8.0	8.3

THREE HERDS MILKED TWICE DAILY FOR TWO WEEKS ENDING SEPT. 3RD.

BREED.	Milked three times.			Milked twice.			Milked three times.			Milked twice.			Percentage Total losses.		
	Yield of milk lbs.	Loss or gain	Per cent.	Yield of milk lbs.	Loss or gain	Per cent.	Yield of milk lbs.	Loss or gain	Per cent.	Yield of milk lbs.	Loss or gain	Per cent.	Milk.	Fat.	Solids.
Brown Swiss	222.7	202.2	10.5	82.23	71.35	7.88	286.9	269.7	26.2	222.7	202.2	10.5	8.5	8.0	8.3
Polled Jersey	156.1	137.3	10.8	73.11	61.9	8.51	219.5	191.7	27.8	156.1	137.3	10.8	8.5	8.0	8.3
Dutch Belted	199.3	175.5	23.9	67.22	60.87	6.35	211.5	213.8	27.7	199.3	175.5	23.9	8.5	8.0	8.3
Totals	1526.2	1418.0	108.2	222.56	200.12	22.74	717.9	666.2	81.7	1526.2	1418.0	108.2	8.5	8.0	8.3

In my last paper an error appeared which was a serious one if taken literally. Let us call it a "typographical error." In speaking of composite tests the writer intended to say that where a difference of more than one tenth of one per cent. occurred between duplicates, the test was repeated. The report said that where more than one per cent., etc. (quite a difference).

TOTALS FOR HERDS FROM MAY 1ST TO SEPT. 3RD.

BREED.	Milk lbs.	Am't. of Butter lbs.	Value at 25c. per lb.	Cost of Feed.	Profit.
Shorthorns	2355.9	948.9	\$237.22	\$111.67	\$125.55
Holsteins	28125.3	1044.67	261.16	110.60	150.56
Ayrshires	24275.8	1031.40	257.84	96.60	161.24
Jerseys	19896.4	1034.77	258.68	93.82	164.86
Guernseys	20448.2	1069.32	267.32	95.51	171.81
Brown Swiss	23171.0	961.68	240.41	104.16	136.26
Red Polls	21651.	983.94	245.98	96.97	149.01
Polled Jerseys	15163.1	810.00	202.49	75.95	126.54
Dutch Belted	17949.9	701.34	175.33	90.92	84.41
French-Canadian	18197.6	842.11	208.03	80.55	127.48

Churn vs. Babcock Test.

Replying to a severe reflection in the Jersey Bulletin upon the utility of the Babcock test in determining the productive value of cows, Hoard's Dairyman says: "Of all the false testimony offered in support of records for cows that will add hundreds of dollars to their value, and that of their offspring, there is nothing that can compare in mendacity with the so-called churn records of so-called actual butter produced. They (Jersey Bulletin staff) know, and none better than they, by well-authenticated facts if not from personal experience, that the man who will lie and cheat and falsely manipulate one machine or implement, will not hesitate to bear false witness under other circumstances. They know—or at least they have good reason to believe—that herdsmen have pumped cream into a cow's udder, have made false weights, have added increasers to the cream in the churn, and have done so many other and various things to enlarge the apparent yield of butter from cows under test, that the public practically discredits every churn test that is not confirmed by the Babcock or that indicates an abnormal per cent. of fat in the milk. They know, and none better than they, that dishonesty has no more ably ally than the churn." The fact is, that in the hands of dishonest dairymen, whose number we are glad to believe is growing very small, the records, either of the churn or the Babcock test, may be distorted. Both methods have their value and their place, and we fail to see the need of exalting either the one or the other as the "be all and end all" arbiter.

Another Butter Process Humbug.

A new compound for killing bacteria and preserving butter products was supposed to have been discovered in Denmark. The new compound was, it was thought, calculated to revolutionize the dairy industry, but, like many others, its supporters were evidently too sanguine before a thorough test had been made. The American Consul in Denmark wrote on the subject: "I am in receipt of so many inquiries from the United States in regard to the reported discovery of a new and successful process for preserving butter, meat, eggs, etc., that I am led to suggest that notice be given in the Consular reports that the so-called discovery is a failure. The alleged inventor applied for a patent, but his application was rejected. The sealed package of butter which was presented as a test of the process bore a notary's certificate as having been sealed up in 1900, but it was proved that the butter had been preserved only a few weeks—the date, February, 1901, having been surreptitiously changed to read February, 1900."

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**The Pan-American Cows.**

The last week's work of the cows in the Model Dairy test at Buffalo places the Guernseys at the head again for profit for the week, but with a margin of only five cents above the Jerseys. The Holsteins have again taken third place in profit on butter for the week, with the Ayrshires fourth, the Red Polls fifth, showing a net profit of \$6.15, and one cow making the creditable profit of \$1.80. The Brown Swiss figured a profit of \$6.10, the Polled Jerseys a profit of \$5.36, and the Dutch Belted cows a profit of only \$4.23.

REPORT OF THE MODEL DAIRY HERDS FOR THE WEEK ENDING SEPTEMBER 10, 1901.

BREED AND COW.	Milk.	Amt. of Butter	Value at 25c.	Cost of Feed.	Profit.
	lbs.	lbs.	per lb.		
<b>Shorthorns.</b>					
Princess of Thule	188.8	8.88	\$ 2.22	\$1.18	\$1.04
Daisy D.	208.7	9.08	2.21	1.21	1.06
Miss Molly 24556	257.0	10.73	2.27	1.21	1.17
Queen Bess 21786	219.5	9.68	2.42	1.19	1.23
Rose 3rd 113205	214.9	8.72	2.18	1.18	1.00
Total	1088.9	47.09	11.77	5.97	5.80
<b>Holsteins.</b>					
Meg	250.7	9.43	2.36	1.28	1.08
Tidy	265.	10.32	2.58	1.21	1.37
Inka Mercedes	263.3	9.60	2.40	1.20	1.20
Hulda	291.9	11.33	2.83	1.21	1.62
Beauty	290.6	12.30	3.07	1.21	1.86
Total	1362.5	52.98	13.24	6.11	7.13
<b>Ayrshires.</b>					
Kirsty Wallace	225.	10.05	2.51	1.07	1.44
Lady Flora	174.6	7.18	1.79	.91	.88
Alice 2nd	181.6	8.91	2.24	1.07	1.17
Betsy 1st	225.2	9.53	2.38	1.07	1.31
Pearl of Woadside	228.4	10.47	2.62	1.07	1.55
Total	1034.8	46.20	11.55	4.19	6.35
<b>Jerseys.</b>					
Gipsy	196.1	10.26	2.56	1.13	1.42
Primrose	152.4	10.30	2.57	1.06	1.51
Queen May	194.6	10.64	2.66	1.11	1.55
Rexina	200.6	9.44	2.36	1.03	1.33
Mossy	192.3	10.18	2.54	1.06	1.48
Total	936.	50.82	12.70	5.40	7.29
<b>Guernseys.</b>					
Vega	161.1	8.71	2.18	.89	1.29
Cassiopea	220.3	11.01	2.75	.99	1.76
Mary Marshall	176.3	11.61	2.90	1.01	1.89
Madora Fern	121.1	6.26	1.56	.90	.66
Procris	198.1	10.95	2.74	.99	1.75
Total	876.9	48.54	12.13	4.78	7.35
<b>French-Canadians.</b>					
Liena Flory	181.5	8.11	2.03	.80	1.23
Rouen	158.2	8.93	2.23	.80	1.43
Denise	167.	8.25	2.06	.79	1.27
Luna	157.1	7.57	1.89	.79	1.10
La Bouchette	113.8	4.95	1.24	.47	.77
Total	777.6	37.81	9.45	3.65	5.80

**Judging Competition at Toronto.**

The prizes in the judging competition at the Toronto Exhibition, for the Massey-Harris Company's prizes, open to resident Canadian farmers or farmers' sons not over 25 years of age, were awarded in the following order: Beef breeds.—1, Crerar; 2, Jas. Ferguson, Guelph; 3, F. S. Jacobs, O. A. C. Guelph; 4, Devitt. Dairy breeds.—1, Jas. Ferguson, Guelph; 2, B. C. Gilpin, Maple Lodge; 3, R. H. Henderson, Rockton; 4, R. H. Williams, Guelph. Bacon hogs.—1, M. Stewart Galbraith, Ellesmere; 2, F. S. Jacobs, O. A. C., Guelph; 3, R. H. Williams, Guelph; 4, James Ferguson, Guelph; 5, James Murray, Avening. Sheep.—1, R. H. Williams, Guelph; 2, Matthew Ruddell, Hespeler; 3, W. J. Gardhouse, Highfield; 4, B. C. Gilpin, Maple Lodge; 5, George B. Phin, Hespeler; 6, W. A. Dryden, Brooklin.

**GARDEN AND ORCHARD.**

**A Manitoba Apple Exhibit.**

The Western Horticultural Society made a very interesting exhibit of Manitoba-grown fruit in the windows of one of the large Winnipeg dry-goods merchants, which proved a source of great interest. The principal contributor of large fruits was A. P. Stevenson, of Nelson, who showed 22 varieties of standard apples, several hybrids, and half a dozen crabs, among the varieties of standards being specimens of the Wealthy and Paton's Green, both of which are American seedlings, and the following Russian varieties: Hiberna, Anisette, Blushed Calville, Repka Kislaga, Russian Gravenstein, White Rubits, Silken Leaf, Ostrekoff, Cinnamon Pine, Little Hat, Sacharrine, Red Cheek, and a number of others. In crabs, he showed Transcendent, Hyslop, Virginia, General Grant, Philip's 1000, Whitney and Minnesota. The Archbishop of Rupert's Land also showed several nice specimens of apples and three varieties of crabs, which were grown at St. John's, Winnipeg. From Portage la Prairie quite a number of standard apples and crabs were exhibited, Messrs. Lyall showing a very good sample of Duchess apple and Transcendent crab; Cadham, Duchess apple and Hyslop and Transcendent crabs; Alton, Evans, Garnier, Rowe, Logan, Canniff, each with good specimens of crabs. W. G. Fonseca, Chas. Wellband and John Green, of Winnipeg, showed Transcendent crabs. Thomas Frank-

lin, Stonewall, exhibited a great variety of crabs and seedling plums and several apples. In crabs, he showed Hyslop, Orange, Tonka, Martha, Virginia, Sweet Russett, Briar's Sweet, and a number of others.

Such an object lesson of the possibilities of fruit-growing in Manitoba will doubtless be an immense stimulus to the horticultural interests of the Province. None of this fruit was grown without the protection of shelter trees, either native of cultivated, and no one need ever expect to grow such fruit in the open. First grow the shelter belts, and then procure hardy, home-grown trees.

**The Tulip.**

BY FLORIST.

Of all the hardy Holland bulbs that are so much planted in this country at the present time, there is, in all probability, no other one so important for spring display as the tulip. For beautiful forms and dazzling brilliancy of color, the tulip is far in advance of all other spring flowers, and nothing can equal their gorgeous appearance in beds, groups, lines or ribbons in the spring garden or in any other location in which they may be placed.

Tulips are of the most simple culture, and when once secured they will last a lifetime, not only giving regular yearly bloom, but also increasing rapidly annually. They will thrive in any soil, even hard red clay, and in any location. While this is a truth, they will give much more satisfactory results if care is exercised in the selection of their location. They thrive best in a rich, deep, sandy soil. This should be well and deeply spaded up before the bulbs are set. They should be planted four inches deep, and from four to six inches apart, according to size of bulb. In selecting a place for tulips, a location should be chosen where they may remain for some years. Many people lift their bulbs every year after they have ripened up in the summer, and replant them again in the autumn. This is a mistake, for besides the annual labor in connection with lifting and replanting, they will not produce as fine flowers nor multiply as rapidly. They should be left in three or four years and then lifted for a season, as the clumps by that time would need dividing.

When a bed of tulips is being planted, the work should be done early in the autumn, if the best results are desired, and of course that is what we are all striving for. Although they may be planted on into November (and some plant in December), if the ground is not frozen, and still produce flowers, the results will not be satisfactory. The bulb has to make the most of its roots in the autumn before the earth freezes up, for nearly as soon as the frost is out of the ground in the spring the bloom is beginning to appear. Then there is no time for the bulb to make roots, but instead of that, the roots must be making or feeding flowers and also producing a new bulb. The sooner they are in in the autumn the better, as more time is then allowed for the formation of roots, and the stronger the root-growth the larger and more brilliant the flower the coming spring. It has been found that tulips should be planted during the early part of September in order that the most satisfactory results may be obtained.

Although tulips are perfectly hardy, they do much better if they have some protection during the winter. A covering of stable manure should be put over the bed after it is planted in the autumn, to the depth of from four inches to six inches. This will keep the bulbs from being repeatedly thawed out and frozen up should the winter be an "open" one. Besides this, the strength is washed out of the manure down into the soil by the autumn rains, and thus the soil is being constantly enriched. By this annual covering the flowers are made much larger and of more brilliant color. Of course, this covering must be removed as early in the spring as the frost will allow its being taken off.

Most pleasing effects can be secured by filling a whole bed either with one variety or with two or more varieties coming into bloom at the same time. In planting more than one variety in the same bed, great care should be exercised to select those varieties whose colors will "blend," and also varieties whose flower-stems are of an average length. Nothing gives more displeasure than to have a bed of tulips (or any other flower, for that matter) made up of a hundred varieties, some tall, some short, some early, some late, some single, some double, some in bloom to-day and some two weeks hence. Solid masses of color are what pleases the flower-lover's eye.

The tulip, the flower which years ago caused men to have unbalanced brains, and brought about the financial ruin of men of wealth; the flower that ever was and still is popular and admired by all, should be in the garden of every flower-lover in the land.

**An All-round Success.**

Financially, the Winnipeg Industrial was a success, the receipts from all sources totaling over \$50,000. The amount of money paid out in prizes will aggregate about \$16,000. There were over 7,000 more people passed through the turnstiles this year than last, a pretty good evidence of the growing importance of the Industrial, in view of the general scarcity of ready money and the existing strike on the C. P. R., which undoubtedly prevented many from coming.

**Our Fruit at the Pan-American.**

To the Editor "Farmer's Advocate":

Sir,—Having read several glowing accounts of the Ontario exhibit of fruit at the Pan-American (articles in both Canadian and American horticultural journals), it was with eagerness that I hunted up the horticultural building immediately upon entering the grounds, when visiting the great Exposition recently, in order to view the great display. And I must say that I was surprised when I found it, and am free to confess that the surprise was not altogether of an agreeable nature. Part of the exhibit was much below my expectations, and I know that it did not fairly represent what Ontario could do and is doing in the fruit-growing industry at the present time.

I was particularly pleased with the exhibit of canned fruits, and with the manner in which it is displayed. I think it would be difficult to arrange it more tastily than has been done, and the person that superintended the work certainly did it well and should receive the compliments of every loyal citizen of Ontario. This fruit is preserved in large glass jars, and embraces every kind and variety of fruit grown in the Province. Large cards bearing the inscription, "Not prepared for exhibition purposes, but shown simply as samples of the various fruits as ordinarily put up throughout the Province of Ontario for family use," are displayed. As a rule "exhibition" fruits are put up either in acids or alcohol, simply for appearance sake, and are useless for anything else. This, however, is different, and is the genuine preserved article. It is certainly a splendid and attractive exhibit, and one that is admired by thousands. One has to stand but a few minutes near this display to hear many expressions of surprise at Ontario's ability to make such an exhibit.

But it is in the display of "fresh" fruits that our Province is behind. At least it was when I had the pleasure of attending the Exposition—about Sept. 1st—and I have heard others make the same statement. The display of apples that have been in storage is a good one, almost equal to if not quite up to any other State or Province. But the Duchess and a couple of other varieties of this season's crop were extremely poor samples when compared with those on some other tables. Then, again, the plum and pear exhibit was almost nothing, and the sample of what was on exhibition was of very inferior quality. When speaking of fruits, I am talking of something with which I am acquainted, for I see thousands of baskets of it every day, and I must confess that I did not see Bradshaw, Saunders, Washington, Abundance or any other variety of plum; or Bartlett, Flemish Beauty, Clapp's Favorite, Tyson or any other kind of pear on the plates in the Ontario exhibit equal in quality to the fruit that is being handled daily at the large shipping points in the Niagara District.

This state of affairs I think should not exist. We believe that these exhibitions are grand means by which we may advertise our climate, soil, and country. We also believe that Ontario can produce as fine fruit, and bring it to perfect maturity, as any country in the world. As an evidence of this belief, we have voted large sums of money to demonstrate that fact to the world by means of our display at the Pan-American. Such being the case, then, why not have the best and nothing but the very best adorn our exhibition tables there?

It may be that the Superintendent is not being supplied with the best samples by the fruit-growing community, because they are so busy that they think they cannot bother with preparing a basket or case for exhibition. Or it may be they think their sample not fit to send, and thus are kept from forwarding consignments. If such be the case, there should be men appointed to secure this fruit and see that it is forwarded. They should be men who are good judges of fruit, and men who would be on the alert and could find the best to be had of each variety if hustling could accomplish anything. We have the space to keep full, and we have the Superintendent to see that the fruit sent is made use of, but we now want some means provided to guarantee the best being forwarded.

With our heavy crop of pears and grapes of such excellent quality in the Niagara District, the plums in the north, and plums and peaches, though not heavy, but of excellent quality, about Grimsby, as well as in other sections, we should be able to supply our Pan-American tables with a class of fruit that will demonstrate to the world that at least a part of Canada is something else than a snow-bank, and that we have soil suitable for the best of fruits, and climatic conditions favorable to bringing them to perfect maturity.

JOHN B. PETTIT.

Wentworth Co., Ont.

## POULTRY.

## Cost of Summer Egg Production.

To the Editor FARMER'S ADVOCATE:

SIR,—Please find enclosed statement of July and August months, of the egg test as to cost of producing eggs in summer. We hope to continue this test, with some few modifications, so as to make it a yearly one.

Andalusians—Number in pen, 13 hens, 1 cock. Food consumed:	
Oats—6.5 lbs., at \$1.00 per cwt.	6.50 cts.
Wheat—35.625 lbs., at \$1.13 per cwt.	40.25 "
Bone—1 lb., at \$1.00 per cwt.	1.00 "
Mash—40 lbs., at 90 cts. per cwt.	36.00 "
Milk—40 lbs., at 10 cts. per cwt.	4.00 "
<b>Total</b>	<b>87.75 cts.</b>
Eggs laid, 16 dozen and 1; cost per dozen, 5.42 cts.	

July 22nd to August 22nd. Andalusians—Number in pen, 13 hens, 1 cock. Food consumed:	
Wheat—27.25 lbs., at \$1.13 per cwt.	30.79 cts.
Mash—40.5 lbs., at 90 cts. per cwt.	36.45 "
Animal meal—2.375 lbs., at \$1.33 per cwt.	3.15 "
Milk—40 lbs., at 10 cts. per cwt.	4.00 "
Oats—14.875 lbs., at \$1.00 per cwt.	14.875 "
<b>Total</b>	<b>89.265 cts.</b>
Eggs laid, 14 dozen and 9; cost per dozen, 6 cts.	
Average for 4 months, 5.38 cts. per dozen.	

June 22nd to July 22nd. Barred Rocks—Number in pen, 13 hens, 1 cock. Food consumed:	
Wheat—26.375 lbs., at \$1.13 per cwt.	29.80 cts.
Oats—6.25 lbs., at \$1.00 per cwt.	6.25 "
Mash—41.75 lbs., at 90 cts. per cwt.	37.57 "
Milk—41 lbs., at 10 cts. per cwt.	4.10 "
Bone—1 lb., at \$1.00 per cwt.	1.00 "
<b>Total</b>	<b>78.72 cts.</b>
Eggs laid, 13 dozen and 10; cost per dozen, 5.69 cts.	

July 22nd to August 22nd. Barred Rocks—Number in pen, 13 hens, 1 cock. Food consumed:	
Wheat—33.625 lbs., at \$1.13 per cwt.	37.99 cts.
Mash—39.5 lbs., at 90 cts. per cwt.	35.55 "
Milk—40 lbs., at 10 cts. per cwt.	4.00 "
Animal meal—2 lbs., at \$1.33 per cwt.	2.66 "
Oats—9 lbs., at \$1.00 per cwt.	9.00 "
<b>Total</b>	<b>89.20 cts.</b>
Eggs laid, 14 dozen and 1; cost per dozen, 6.25 cts.	
Average cost per dozen for the four months' test, 6.25 cts.	

Ontario Agricultural College. W. R. GRAHAM.

## Food for Fattening Turkeys.

In Norfolk and other parts of the east of England, where such a successful speciality is made of the production of high-class turkeys for Christmas markets, the birds are principally fed upon mixtures of barley meal and wheat meal. When the time comes for putting the birds to fatten—say from a month to five weeks before they are intended for market—they are given as much food as they can eat several times a day, but care is taken that only as much food is given as the birds will eat up completely at each meal. The foodstuffs employed vary somewhat, but as a rule they consist principally of equal parts of barley meal and wheat meal made into a crumbly mass either with skim milk or water. The use of skim milk for this purpose has been largely on the increase of late years, as it has been found that its employment leads to the production of a beautifully white and fine quality of flesh. Oats and corn are also occasionally used as additions to the grain foods employed, and some breeders add small lumps of fat several times a week, but this practice is not general, and some successful feeders do not approve of the use of these pellets of fat, on the ground that they have a tendency to impair the digestion, and thus diminish the appetite of the birds for their ordinary food.

## Hens with Fall Broods.

A hen that has a late summer or early fall brood of chicks to provide for will by reason of the exercise imposed by her duties go into the winter in the very best condition for laying. The ravenous appetites of her family will keep her employed in a manner which will prevent her from becoming excessively fat, a condition very common with molting hens. The hen will remain with a brood of fall chicks until they have attained considerable size, knowing that they need her protection, and will thus lead a busy, active life up to the verge of winter. She will not be loaded down with fat, and will often give proof of her good condition by beginning to lay before she weans her brood.

## Roosts for Chickens.

A great mistake is made by many poultry-keepers in allowing young chickens to roost on high perches. This is one of the most fruitful causes of the deformity known as crooked breasts in fowls. The practice of allowing young birds to roost at too early an age is specially objectionable in the case of turkeys, which, as is well known, are particularly liable to suffer from crooked breasts. As a general rule, chickens should not be allowed to roost on perches until from three to four months of age, and even then they should be confined to broad, wide perches, the best for the purpose being young larch or other trees about three inches in diameter, split into halves—Farmers' Gazette.

## QUESTIONS AND ANSWERS.

1st.—Questions asked by bona-fide subscribers to the Farmer's Advocate are answered in this department free.

2nd.—Our purpose is to give help in real difficulties; therefore, we reserve the right to discard enquiries not of general interest or which appear to be asked out of mere curiosity.

3rd.—Questions should be clearly stated and plainly written, on one side of the paper only, and must be accompanied by the full name and address of the writer, as a guarantee of good faith, though the name is not necessarily for publication.

4th.—In veterinary questions, the symptoms especially must be fully and clearly stated, otherwise satisfactory replies cannot be given.

## Veterinary.

## HOW TO FEED COLT.

I had a mare that foaled in May, a fine, hardy foal. From the beginning she had little or no milk for it, and always seemed wicker when the foal would go near her. At the end of a couple of weeks, when I saw she was not coming to her milk, I weaned the foal and fed it on cow's milk, and it did very well. I have given it different kinds of small mashes, such as bread and milk, meal, etc. Would you advise me as to what would be the best food to give it now?

Ans.—Your colt, being now nearly four months old, can of course do without milk. Still, if you have milk to spare, it will do much better with a liberal supply; in fact, it is good practice to give colts milk all winter if a person can spare it. The little animal will do so much better. However, this is not the usual practice, and the colt does fairly well without. If you can spare the milk, let the colt have it, and of course it must get other rations. Whether you give it milk or not, give it all it will eat of good clean, easily-digested rations. If you have a field of nice second-growth clover, turn him on it at night, and keep him in the stable, away from the flies, in the daytime (a wet or cold night, keep him in). Let him have all the nice hay (well-saved clover preferable) and all the oats he will eat. It is better to get the oats chopped. Take a quart (and as he grows larger, increase the quantity) of chopped oats, put it in a pail and pour boiling water over it; place a cover over the pail, and allow it to stand over night. This forms a very tasty article. Give him this in the morning and prepare his evening meal at the same time, in the same way. Feed a little whole oats at noon. If he be allowed exercise, either in a lot or in a good box stall, there is no danger of him eating too much. Look well after his feet; about once a month pare them to the natural shape.

J. H. REED, V. S.

## LIGHTNING STROKE.

I have two two-year-old colts running in the pasture. When I went out to see them, both of their left front legs and shoulder were paralyzed. They cannot use their legs at all. I have had three veterinarians with them; two of them did not seem to know what was the matter, but the other one said it was struck by lightning, and said to put them in slings. I did, but it hurts them. They are coming out in sores. Please prescribe.

JAMES P. HISLEN.

Cardwell Co., Ont.

Ans.—The veterinarian who diagnosed lightning-stroke was doubtless correct. The consequences of lightning-stroke vary according to the intensity of the electric fluid. Violent electric discharges cause death at once. Slighter strokes cause stupefaction and paralysis. Sometimes they occasion loss of consciousness, which may persist for several hours. In some cases external wounds are made, or burn a surface of the hair; while in others no external symptoms of violence can be noticed. Treatment is purely symptomatic. When stupefaction is noticed, stimulants must be given. When paralysis (such as is present in your case) is noticed, friction, massage and local irritation are indicated. I would recommend the use of the following liniment, applied to the paralyzed limbs twice daily: oil of turpentine, 4 ozs.; liquor ammonia Fortier, 2 ozs.; gum camphor, 1 oz.; tinct. arnica, 2 ozs.; water, 1 quart. Pad the slings so that they will not scarify, as it will not do to let the colts down.

J. H. REED, V. S.

## DRIED BLOOD FOR CALVES.

I see an article in the "Farmer's Advocate" of July 15, 1901, about feeding dried blood to young calves. Would you kindly let me know how blood is dried? I take great pains in raising good calves.

C. G.

Wellington Co., Ont.

Ans.—We understand that (Harris Abattoir) Mr. John Harris, of Danforth Road, Toronto, has a quantity of dried blood on hand suitable for the purpose required, but a more fancy product, probably, is that put up by Messrs. Armour & Co., in Chicago. Mr. Harris says that about two cents per pound in quantity would be a small price for this material, but should any quantity be required, no doubt quality would improve, and price be reduced to a lower margin. We also understand that dried blood cannot be produced without the aid of a condenser to eliminate all the watery particles first, and therefore cannot see how it can be done by usual conveniences on a farm.

## SICK PIG.

I have a hog, seven months old, which has not eaten anything for about two weeks; will drink a little; breathes very hard all the time. He has run in the orchard all summer, and has not been overfed. I pulled out four or five black teeth about a week ago. Once I noticed a thin brown worm hanging from the anus. Can you tell me what to do for him?

W. J. S.

Middlesex Co.

Ans.—It is not probable your pig will live. He may be suffering from catarrh, or possibly from lung or bronchial trouble. Different diseases cause labored breathing and inappetence. I do not think the worm mentioned has any connection with the trouble. I would advise you to rub the throat, breast and sides with the following liniment: 2 parts each raw linseed oil and oil of turpentine, 1 part liquor ammonia Fortier; rub three times daily for 2 or 3 days. Give him all the milk he will drink, to which add a little raw linseed oil. If his bowels are moving freely, do not give the oil. It is unsafe to endeavor to give medicine as a drench, as he apparently has difficulty in swallowing, and you would suffocate him. I think it would be well to have your local veterinarian look into the matter, especially if any other pigs become affected.

J. H. REED, V. S.

## CHRONIC LAMINITIS AND STRINGHALT.

I have a working mare, 8 years old, which I am told is foundered; by others that she has rheumatism. She has no action in the front knees; walks as if on stilts. The hind legs have a springing movement, rising unnaturally high. She is poor in flesh, but eats well. This trouble appears to have been caused by allowing her to stand in the cold last winter after a heavy haul. I put her to the horse in May last. What can be done for her present condition?

Maisonneuve Co., P. Q. SUBSCRIBER.

Ans.—Your mare evidently is lame in the front feet, from what is called chronic laminitis or founder. A cure cannot be effected, but the symptoms can be helped. Remove the shoes and give her a nice loose box, clip the hair off for about two inches high all round the hoof, and blister with 2 drs. each biniodide of mercury and powdered cantharides, mixed with 2 ozs. vaseline. Details for applying a blister have been given so often in these columns, it is not necessary to repeat. Keep the feet pared to as natural a shape as possible. Blister about every three weeks, and give as long a rest as possible. If you cannot give rest, all you can do is to poultice the feet while in the stable to soften them and encourage the growth of horn. It is probable she will go better with bar shoes. Try them. Nothing can be done for the stringhalt.

J. H. REED, V. S.

## PARTIAL PARALYSIS IN PIG.

I had a pig that took sick. He was 11 months old, appeared weak in the hind legs, and had a tendency to lie down. He ate freely in the evening, but none on the following morning. The pig was killed, and it was found that he had a lump under his throat, well up near the end of windpipe. Hairs seemed to have grown inward, but not to pierce, to gullet. Can you tell what was the trouble and the cure? Many seem to complain of like diseases among the pigs.

E. D.

Antigonishe Co., N. S.

Ans.—Your pig suffered from partial paralysis, due to digestive derangement. Plenty of exercise, with laxative diet, would have avoided the trouble. When there is a tendency to constipation in pigs, they should be given either Epsom salts or raw linseed oil regularly in sufficient quantities to keep the bowels acting freely. The lump in the throat had no connection with the disease; it was probably an enlargement of the thyroid gland, a condition that often appears and does not interfere with health.

J. H. REED, V. S.

## DYSPEPSIA IN HORSE.

Would you please let me know, through your valuable paper, what ails my horse? He is 3 years old. He worked a little last summer, but works all the time now, not very hard. He is in poor condition and has no life—just drags himself around. His skin and hair are nice and glossy. He eats and drinks well. I feed him good clover hay and half chop and half oats, three quarts three times a day, mixed with wheat chaff, damp. He is turned out to grass nights and when not at work, but he keeps poor. Would you please prescribe something for him if it is necessary.

A SUBSCRIBER.

Perth Co., Ont.

Ans.—Your horse is no doubt suffering from what in human practice would be termed dyspepsia. There is a clogging up of the glands of absorption, and, consequently, there is non-assimilation of nutrition; therefore, no matter how much he eats, he gets practically no benefit from it. We would advise you to give him a ball composed of aloes, 7 drams; ginger, 2 drams. Make into a ball with a small portion of soft soap. When this has worked, give him a teaspoonful in his feed twice a day for two weeks the following powder: Soda bicarbonate, 4 ozs.; nux vomica, 2 ozs.; gentian, 2 ozs.; powdered digitalis, 2 drams.

**PUFFS ON HORSE'S LEGS.**

I have a horse that has the cords in his legs on both sides swelled or puffed about the size of a peach pit just above the pasterns. Is there anything that can be done for them? They seem to get warm and feverish when driven.

Middlesex Co. O. W. GRAY.

Ans.—Your horse, we presume, has done considerable road work; as a result, the synovial bursa has become weakened, and an accumulation of synovia gives the parts that swelled-up appearance. Use a bandage, wet with cold water, on the legs for at least three or four days, then blister with the following: Binioidide of mercury, one dram; powdered cantharides, one dram; lard, one ounce—well mixed. Rub it well in on each leg only once; if necessary, repeat the blister in two weeks. Let the horse rest for four weeks.

**Miscellaneous.**

**PARASITES ON CABBAGE WORM.**

To the Editor FARMER'S ADVOCATE:

SIR,—Mr. S. T. Pettit, of Aylmer, Ont., has sent me a tomato worm which was parasitized, and he asks me to tell all about it through the FARMER'S ADVOCATE.

The large worm which S. T. P. sends me is a tomato worm. It is covered with a large number (probably 150 or 200) of small white cocoons of a parasitic insect. Since this arrived at my office, several of the adult flies have escaped from the cocoons. Undoubtedly this parasite, a small Braconid (*Apanteles congregatus*), does a great deal to lessen the numbers of this destructive tomato worm, which is unusually abundant this season. The parasite works in this way: The eggs are deposited within the body of the caterpillar by means of a needle-like ovipositor. In this particular case, from 100 to 200 eggs were probably laid in this single caterpillar. The young maggots, upon hatching, feed upon the food materials stored up in the caterpillar, and when full-grown, make their way out through the skin. They immediately begin spinning their small white cocoons, which stand on end from the surface of the skin, and from these in a few days small, black, four-winged flies emerge. A great many of our common destructive caterpillars are in a similar way destroyed by parasites. The common cabbage worm, the grape spinx and others are frequently seen at this season of the year with large numbers of white cocoons on their backs. When a caterpillar is diseased, it becomes very sluggish, and changes color slightly. It would be well to leave all parasitized caterpillars alone and not destroy them, for the parasites which emerge are decidedly beneficial.

Ontario Agricultural College. W. LOCHHEAD.

**ROADSTER AND CARRIAGE HORSES.**

Can you tell me, through your valuable paper, the FARMER'S ADVOCATE, what is the difference between a roadster and a carriage horse? I have been a constant subscriber to the ADVOCATE, and would not be without it on any account, and only wish I could get it oftener.

Simcoe Co., Ont. A. E. WRIGHT.

Ans.—There is no better place than our larger fairs at this season of the year to get such information as Mr. Wright desires, as there we have examples of the best roadsters and carriage horses in the country, by watching the judging ring. For those who cannot get to the fairs, we would say that a roadster horse is one suitable for road purposes, generally bred in trotting lines, ranging from 950 to 1,100 pounds, and not over 15½ hands high. His business is to get over the ground at a good rate of speed, with little fuss and wear on himself. A carriage horse, on the other hand, has his duties confined more particularly to city boulevards and parks, attached to carriages not intended to cover many miles in an hour, but to make an attractive showing and set off good harness, carriages, and well-groomed people. The carriage horse usually ranges from 15½ to 16 hands, weighs from 1,000 to 1,200 pounds, and should step high and graceful rather than speedy, and he must be a good-appearing horse. We find them produced from Standard-bred, Thoroughbred, Hackney, Cleveland Bay, German Coach and other Coach sires, but in the show-rings of the present day the Hackney gets are most successful as prizewinners.

**SAVING CLOVER SEED.**

I have a large field of clover and would like to thresh it for seed, but as I never had any experience with clover for seed, I would like if you could publish in the next ADVOCATE the proper way to save the clover for threshing.

Lanark Co., Ont. ARCH. MANSON.

Ans.—The usual practice is to cut the clover, when the heads become brown, with a self-raking reaper, or with a mower having a temporary table attached to the cutter-bar, from which a man with a fork removes the clover in bunches. The bunches should be turned over after two or three days to get the under side dried, when they can best be loaded on the wagon by the use of barley forks if the clover is short. Where the crop is heavy and of good length it may be cut in the ordinary way with a mower and raked up in rows with a horse rake, though, of course, more seed would be lost by shelling. If the crop is short, a good deal would no doubt slip through between the rake teeth and be lost. The threshing is best done by means of the special clover thresher and separator.

**MOULTING AND FEATHER-PULLING.**

We are fattening our young fowls in crates. Some have been up four weeks, nearly, and others on their third week. The last few days I have noticed some of the fowls picking at the feathers of other fowls, and to-day there are several of them with the feathers all stripped off the throat and crop, leaving it almost bare in some places and quite exposed in others. Under the crate at times will be seen quantities of feathers. We are feeding ground grain mixed, principally oats and barley, and occasionally add a little of the best shorts if we happen to run a little low in the barley and oatmeal, as we depend on the wind motor for grinding. This is mixed with sweet milk to the consistence of their porridge, and after the first water, given all they can eat twice a day. Water and grit is provided for them. Can you tell me what is the cause of the feather-pulling, and why in that particular place? Is there anything they should have they do not get? This is our first experience in fattening fowls, and would be glad to know of the cause. Please find enclosed stamped envelope, addressed, for early reply.

Ontario Co., Ont. POULTRYMAN.

Ans.—From the description given, I am of the opinion that your subscriber's birds are simply moulting. This is frequently met with in fattening poultry, especially during warm weather and when the birds are from three to four months of age. It will be probable that during the moulting period the birds will gain very little, the food going to produce the new feathers. I have seen one case of feather-pulling among birds that were being fattened. Some of these birds had contracted the habit before being put in the coop, and they very soon taught their comrades. Everything feasible was done to stop them, but it was of no avail. Where you cannot exercise, it is difficult to entirely stop feather-pulling. The above, however, is to my mind simply the moulting period; if not, the feathers would be devoured and not let drop under the crate.

Ontario Agricultural College. W. R. GRAHAM.

**BROOM CORN FOR FEEDING.**

Can you give us any information with regard to the value of broom corn for feeding purposes? Our attention has lately been called to a sample of the same, and it appears as though it might possess considerable value in this direction. Trusting to be favored with an early reply.

Huron Co., Ont. R. & J. RANSFORD.

Ans.—We understand that in districts where broom corn is grown, the heads are cut before the seed is fully matured, and the latter, not being thoroughly dry, ferments easily when left in heaps, and is thus largely wasted. With care in drying, it can be saved like other grain, or might be kept in a silo. Prof. Henry, of the Wisconsin Experiment Station, reports it satisfactory for feeding cattle, if used in reasonable quantities.

Mr. A. Atkinson, of the Ontario Agricultural College, Guelph, writes us: "Several varieties of broom corn have been grown on the experimental plots at the College here, but we have had very little experience in feeding that crop. Prof. Day, Agriculturist, fed some to the cattle, and said that in every case they would make an effort to secure the grain, or whatever the broom corn was mixed with, from the mixture, showing that they did not relish it. He says that in a country where corn can be grown so as to mature, the broom corn would be an unprofitable crop to grow. The grain has been used for poultry food. Mr. Hunt, assistant to the Poultry Manager, states that he visited the City Produce Company's plant at Toronto, and finds they use the grain there quite largely in the winter, to be fed to their laying stock, so as to prevent them getting too fat, as the fowls may be allowed to eat all they want, and it will not have such a fattening effect as the same quantity of wheat or corn would have. He says that he has tried the same himself and finds that he gets much better results when the grain has been steamed or boiled, as the fowls seem to relish it and digest it better."

**NECESSARY CORROBORATION—EVIDENCE OF LOAN—COSTS.**

1. One person claims he lent a sum of money (over \$200) to another (now deceased), but did not get a note or other writing as security for it, and the only evidence to corroborate his story is that of a third person, now living, who was not present when the money was lent, but claims that the lender informed him about the loan before the borrower's death, and that he asked the borrower about it, and he (borrower) admitted to him that he had received the loan. Will this be sufficient evidence to give the lender a lawful claim for the amount lent against the borrower's estate?

2. I have been told that the law relating to the lending of money is that all sums lent over \$50 should be in writing. Is that correct?

3. In case an executor for a deceased person's estate finds it necessary to engage a lawyer to help him wind up deceased's affairs, which will pay the lawyer's bill, the executor or the estate?

York Co., Ont. READER.

Ans.—1. We consider it sufficient corroboration of the lender's statement to render the latter admissible as evidence of the claim. It would not by itself be conclusive in the lender's favor, but taken in conjunction with his testimony it would probably be regarded by the court as sufficient to put upon the estate the burden of proving a clear defence of payment.

2. No.

3. The estate.

**WHEAT SMUT AND BINDWEED.**

1. I have some fine wheat (Dawson's Golden Chaff), but it is very smutty. Can you give me some remedy if I sow it for another crop?

2. I enclose specimen of a bad weed which some call bindweed, or wild morning glory. I have fallowed the ground, but it does not do any good. Can you tell me any way by which I can get rid of it.

York Co.

Ans.—1. In Manitoba, bluestone (sulphate of copper) and formalin are the favorite remedies for smut, which is often very troublesome there. The former was the chief reliance for many years, but formalin has lately come into use, being cheaper in price and equally effective. About one pound of bluestone to 3 gallons of water is used. Place the quantity of bluestone to be dissolved in an old coarse sack and suspend in the water by a stick across the top of the barrel. It dissolves more readily if water is warm. Some dip the wheat in the bluestone solution, and others simply put wheat in wagon or other box or on barn floor, and sprinkle freely, with watering can or otherwise, turning it over frequently while doing so, in order that every grain will be well moistened, thus killing the spores from which the smut grows. If wheat is very smutty, one pound of bluestone is required for about six bushels of grain. Sow soon after treating, because if left in a heap the grain will heat. Formalin has been found effective both for smutty wheat and oats. At the Brandon Experimental Farm, soaking the grain in a solution of 4½ ozs. formalin to 10 gallons of water, or sprinkling with a solution of 9 ozs. to 10 gallons of water, proved effectual. The prevalence of smut seems to vary greatly with the season.

2. The plant enclosed is bindweed (*Convolvulus arvensis*), which is one of the very worst weeds to get out of the land that has yet got a foothold in Ontario. It is a creeping perennial, growing to the length of two or more feet. It resembles the morning glory in form of leaves and flowers. Its roots form a network in the soil, going down deeply into it. It commences to grow early in spring, and continues till fall. It infests various crops, but gives more trouble in grain, which it climbs and binds together. It is propagated both by seeds and its numerous rootstalks. An infested field should not be sown to grain until it has been subjected to a cleaning process. Plow infested fields immediately after harvest, and cultivate or plow sufficiently often thereafter to keep plants from showing above ground until the period of growth ceases. The plowing or cultivating should be shallow, but thorough. In the spring proceed in the same way as in the autumn cultivation—that is, keep the surface frequently stirred until time to plant a hoed crop, such as corn, roots, or rape. Then give this crop thorough culture throughout the season. If the fall and spring have been moist, so as to make it difficult to kill the weed, it would be wise, instead of growing a hoed crop, to sow buckwheat about July 1st, which will tend to smother the bindweed remaining. The buckwheat may be harvested or plowed down as desired. We would be pleased to publish the experience of readers who have succeeded in exterminating this pest, describing their method.

**GENTIAN, GRASS PEAS AND BUCKWHEAT.**

1. Can you give me some information about growing gentian? Can it be grown at a profit?  
2. Are grass peas as beneficial to the land as the ordinary field peas?  
3. Is it too late now to sow buckwheat to be plowed under late in the fall?

Middlesex Co., Ont. W. J. S.

Ans.—1. The plant which furnishes the gentian sold in drug stores is not a native of Canada, but can be grown if due care is exercised. It requires a great deal of attention, however. Probably some wholesale druggist could advise regarding commercial value. At best, it looks like a doubtful proposition.

2. There have been, so far as I can discover, no investigations regarding the relative effect upon soil of grass peas and field peas. There is doubtless no very great difference, however.

3. It is pretty late to sow buckwheat, but if the fall happens to be favorable, a fair growth could still be obtained. It is rather late, however, to be at all certain regarding results.

Ontario Agricultural College. G. F. DAY.

**SKYE TERRIERS WANTED.**

Could you inform me where I could get a pair of Skye terriers? Half-bred would do if thoroughbred are high-priced. I have looked in vain for advertisements of small dogs in your columns. If Skyes are high-priced dogs, could I get rat terriers anywhere?

Oxford Co., Ont. MISS ANNA CRANDON.

Ans.—Breeders of Skye and other small terriers would do well occasionally to make the fact known by an advertisement in the FARMER'S ADVOCATE.

SHOWS AND SHOWING.

Fall Fairs.

CANADA.

Table listing various fall fairs across Canada with dates and locations. Includes Nova Scotia, Central Canada, Ontario, and Quebec.

UNITED STATES.

Table listing fall fairs in the United States with dates and locations. Includes Iowa, Ohio, Minnesota, and others.

MARKETS.

FARM GOSSIP.

Russian Competition.

Russia is fast becoming one of the most formidable of agricultural rivals. The Russian Government authorities are leaving nothing undone and are sparing no expense in their efforts to develop a market for the produce of the land of the Czar in Great Britain.

Eastern Ontario Dairymen.

The Executive of the Eastern Dairymen's Association have selected Whitby as the place for the holding of the annual meeting of the Association on January 8, 9 and 10.

Norfolk Co., Ont.

This has been an "off" year for the farmers of this county. At times during the season the prospects were good for almost everything, except wheat, which was badly injured in the fall; then the farmers' hopes were dashed by unfavorable weather later on.

Oats, barley and peas grew splendidly during the cool, damp weather in May and June, only to meet with a reverse later on that left the straw short and the grain light.

This has been a good year when good farming shows. The man whose fields are fertile and who thoroughly cultivated them before sowing, and with corn and root crops, continued the use of the cultivator on through the dry weather, is rewarded with fairly good crops, while the careless, slovenly fellow is left very little indeed.

Some fifty or more of the farmers of Norfolk are in the Government sugar-beet test, and the inspector reports the plots as promising well, notwithstanding the unfavorable season.

Grey Co., Ont.

We were had a very wet season here since wheat harvest. It was very dry and hot all through August. A few of the earlier ones got their wheat in, but most of the wheat grew in the stook, and the same with oats—there is some oats out yet.

Fruit Inspectors Appointed.

Hon. Sidney Fisher has made a number of appointments in connection with the Act for the inspection of packing and marking fruit. Mr. Alex McNeil, of Walkerville, and Mr. Lick, of Oshawa, will be chief inspectors for Ontario.

Horses Too High.

At Toronto one day recently, Col. Dent and staff examined one hundred and twenty-two horses that were purchased during the week for army purposes by Mr. Harland Smith's agents, but owing to recent orders received by Col. Dent from the War Office, should not have been over fifteen two and a half hands, should be bought, only fifty out of the lot were accepted.

British Stock for Japan.

Reference has been made to the growing interest in stock-breeding in Japan, and it is interesting to note that a large consignment of cattle and horses for Japan left London, Eng., on the steamer "Maba Maru," from the Albert dock, on Saturday.

A Vain Protest.

The admission of Canadian store cattle to this country is still a cherished hope among farmers whose sole interest in the cattle industry of the country lies in the short period in which they have them in their feeding courts.

Warton Beet Sugar Enterprise.

The Colonial Construction Co., of Montreal, have been awarded the contract for the new beet-sugar factory at Warton, Ont., at about \$350,000. The building and part of the plant are to be 700 tons capacity per day, the mean capacity being 350 tons.

Sheep at the Pan-American.

About 700 animals are expected at the Pan-American sheep show, beginning September 23rd, judging to take place September 25th and 26th. The list of exhibits will include sheep from nearly a score of the leading flocks of Canada.

Chicago Markets.

Chicago, Sept. 14.—Cattle.—Receipts, 500; good to prime steers, nominal, \$6 to \$6.40; poor to medium, \$4 to \$5.90; stockers and feeders, \$2.50 to \$4.25; cows, \$2.50 to \$4.00; heifers, \$2 to \$5; canners, \$1.50 to \$2.30; bulls, \$2 to \$4.75; calves, \$3 to \$6.25; Texas steers, \$3 to \$4.30; Western steers, \$2.75 to \$3.75.

Buffalo Markets.

East Buffalo, N. Y., Sept. 14. Cattle.—Offerings, eight cars; fair local demand. Veals and calves, \$5 to \$6.75. Dull and slow; tops, \$7 to \$7.25; others, \$5 to \$6.75.

Toronto Markets.

Business at the Western cattle markets during August showed a satisfactory increase over the same month last year, as will be seen from the following statement: August, 1900—Cattle, 13,347; sheep, 13,719; hogs, 10,311. August, 1901—Cattle, 16,330; sheep, 20,675; hogs, 13,001.

Owing to our recent remarks on cattle-market plans, which were drawn to the attention of His Worship the Mayor, the Cattle Market Improvement Committee met and the following improvements were recommended: The adding of additional four acres at the north-east part of the market, closing Walnut street.

There were 60 loads, all told, at the market on September 10th: cattle, 1,097; sheep and lambs, 680, and about 600 hogs. All stock sold out early, except export cattle. Cables from the Old Country are not encouraging.

Export Cattle.—Choice loads of export cattle are worth \$4.85 to \$5.25 per cwt., while light are worth \$4.40 to \$4.80 per cwt. Mr. W. Levack bought five loads of export cattle. One load, the pick of the market, averaged 1,335 lbs. each, at \$5.25 per cwt.

Butchers' Cattle.—Choice picked lots of butchers' cattle, weighing 1,075 to 1,150 lbs. each, sold at \$4.20 to \$4.75 per cwt. Good butchers' cattle are worth \$4.20 to \$4.40 per cwt. Mixed loads of cows, heifers and steers sold at \$3.50 to \$3.75 per cwt.

Feeders.—Heavy steers, suitable for good feeding purposes, weighing from 1,100 to 1,200 lbs. each, of good breeding qualities, are worth \$3.75 to \$4.00 per cwt. Steers weighing from 900 to 1,000 lbs. each are worth \$3.25 to \$3.40 per cwt.

Stockers.—The trade in Buffalo stockers was dull. Yearling steers, 500 to 800 lbs. each, sold at \$3.00 to \$3.25, and off colors (all those of inferior quality) sold at \$2.50 to \$2.75 per cwt.

Bulls.—Heavy export bulls sold at \$4.00 to \$4.25, while light export bulls sold at \$3.60 to \$3.75 per cwt. Heavy feeding bulls, suitable for the byres, are in demand. Those weighing 1,000 to 1,200 lbs. are worth \$2.75 per cwt.

Sheep.—Prices steady and the demand good. One thousand on offer. All sold at from \$2.50 to \$3.00 per cwt. for bucks. Choice export ewes sold at \$3.35 to \$3.50 per cwt.

Calves.—The supply more than equals the demand. Sold at from \$10.00 per head for choice veals, and down to \$2.00 for inferior light-weight bobs.

Hogs.—Those who were sufficiently alive to the facts of this market adopted our advice two weeks ago. In consequence, a very liberal supply came in. One packing house worked full and overtime, and are desirous of keeping up the pace for the next two weeks; therefore, the prospects of decline are pushed two weeks. Should any great rush come down, the price must fall suddenly, but just so long as the supply keeps moderate and regular the present price is likely to hold.

Wheat.—One hundred bushels of poor fall wheat offered and sold at 61c. per bushel. One hundred bushels of white wheat sold at 61c. to 70c. per bushel. Good wheat sold at 67c. to 68c. per bushel.

Table with 4 columns: Commodity, Extreme prices to-day, 2 weeks ago, Same date last year. Includes Export cattle, Butchers' cattle, Bulls, Feeders, Stockers, Sheep, Hogs, Milk cows, and Lambs.

PRODUCE MARKET.

Wheat.—One hundred bushels of poor fall wheat offered and sold at 61c. per bushel. One hundred bushels of white wheat sold at 61c. to 70c. per bushel. Good wheat sold at 67c. to 68c. per bushel.

Barley.—Fifteen hundred bushels of barley sold at 47c. to 51c. per bushel.

Oats.—One thousand bushels of new oats sold at 38c. per bushel. Old oats are worth 11c. per bushel.

Hay.—Ten loads of new hay sold at \$10 to \$11 per ton.

Straw.—Two loads sold at \$10 per ton.

Poultry.—Deliveries large; prices fairly steady. Spring chickens, 50c. to \$1.00 per pair; last year's birds, 50c. to 75c. per pair; ducks, 50c. to \$1 per pair; turkeys, 12c. to 13c. per lb.

Butter.—In good supply, at from 18c. to 22c. per lb. Manchester butter market reports (by Messrs. Dowdall) that the last consignment of butter from Canada had apparently been sold at 20c. to 22c. per lb. and was becoming rather strong in flavor.

Eggs.—The market is unchanged, at 12c. to 13c. per dozen.

Dressed Hogs.—The receipts were not large. There was a good demand, and the market was steady, at from \$9.25 to \$9.50 per cwt.

Seeds.—Prices have advanced. Choice No. 1 Alsike, \$7.60 per bushel; No. 2 Alsike, \$6.60 per bushel; red clover, \$5.60 per bushel.

Cheese.—The market for cheese is in a very depressed condition. Prices have again declined, and are now quoted at from 3c. to 10c. per lb.

Dressed Beef.—The demand from the Eastern Provinces shows marked increase. We quote wholesale prices: Beef, four quarters, per cwt., \$5.50; beef, hind quarters, per cwt., \$8.00; mutton carcass, per lb., 7c.; veal carcass, per cwt., \$8.50. Toronto, Sept. 10th, 1901.

Montreal Markets.

Montreal, Sept. 14. Trade in cattle was rather slow, there being no very good cattle on the market, and the highest price paid was 4c. per lb., and only a few brought over 4c. per lb.; common dry cows and thrifty young stock sold at from 2c. to 3c. per lb., and the canners paid from 1c. to 2c. per lb. for small bulls and lean cows.



Concerning Our Royal Visitors.

Those who, in the providence of God, and in the course of nature, are very likely to become our future sovereigns will soon be amongst us, and it is not likely that we can look forward unmoved to what that visit means to us. Some of us can recall the time when our present King, a mere stripling in his teens, years younger than his son who is now on his way to Canada, crossed the Atlantic to visit us. That visit has been a bond of union between the mother country and her Canadian colony, and a cherished memory not only to those of us who can even now recall the features of the Royal lad, but to King Edward himself, who, it is said, has not forgotten one single spot which he visited in the days of his boyhood. It is but to quote a truism to say that "history repeats itself," but of this we may rest assured, that in years to come we shall always be glad to remember that in this year of grace 1901 it was granted to us once more to tender a glad and joyous welcome to the son of our reigning sovereigns and to the sweet young wife who is so worthy of the exalted position she holds.

Perhaps with the coming event, already casting, not its shadow, but its sunshine, across our path, it may not be amiss to make mention of one or two interesting facts concerning our Royal family. Some three or four months ago, through the pages of our Home Magazine, the invitation to join in the Canadian women's loyal address of welcome to Queen Alexandra was extended to our readers. We hope that of the 25,000 names appended to it, and presented to Her Majesty in July last, many were in the handwriting of the mothers and daughters of our Canadian farm homesteads, but we are well aware that the limited time at the disposal of the promoters of this patriotic movement, and the difficulty of reaching the remotest districts of our Dominion, deprived many of the privilege of which they would otherwise gladly have availed themselves.

If Her Excellency Lady Minto headed the list, being duly followed by those of our Canadian women whose names are familiar amongst ourselves as identified with some religious, philanthropic, educational or other form of work, so also amongst the long columns appeared those of Sarah Big Crow, Daisy Grasshopper, Polly Going-to-the-Crees; therefore the address was as representative as possible, and was offered as an expression of the love and loyalty of the whole womanhood of Canada. News has reached the National Council of Women of the gracious reception vouchsafed to its deputation which, headed by Lady Aberdeen, presented our message, and of the hearty appreciation of the motive which inspired it. The reply of the Queen was as follows:

"Many assurances of loyalty and devotion have been tendered to His Majesty the King from all parts of the Empire since his accession to the Throne, but none will give him greater pleasure than those which are so kindly expressed in the address presented to me to-day on behalf of the women of Canada.

"The address will always be treasured by His Majesty and myself, not only for the great artistic merit of the volumes containing it, but especially for the loving references it makes to Her late Majesty Queen Victoria. It is impossible to estimate the extent to which her life and example contributed to that enlargement of the sphere of women's activities which has added so much to the happiness of the British people, and which constitutes not the least glory of the era associated with her name."

Note, dear women readers, the self-effacement of the reply, and yet we had, after our tribute to the honored memory of Victoria the Good, said, and we said it because we knew it was true:

"Your Majesties have been endeared to your subjects in all parts of your dominions by the breadth of your sympathies and your many activities for the general good. You have long been held in honor for the untiring devotion and the constant self-forgetfulness with which you have fulfilled the onerous duties devolving on you in ever-increasing measure by the advancing years of our late beloved Queen; and as we thank God for her, so we pray that this Empire may long enjoy the beneficial rule of His Majesty and of you, his illustrious consort."

As Princess of Wales, Queen Alexandra has been long identified with everything "pure and lovely and of good report," using for the best ends her high position and the influence it gave her. As a wife and mother she has been a pattern for every wife and mother in the land. Her example as a leader in every educational and philanthropic movement has been contagious and

has led to the mere "butterfly woman of fashion" having become, thank God, almost an extinct species.

Given such good ground upon which to plant the good seed, we can hardly wonder at the result. As Alexandra of Denmark she was early trained to habits of the greatest simplicity. She and her sisters were taught every detail of house-keeping and home economics; they could make their own clothes and trim their own hats, and did not consider it a degradation to mend a rent in their garments when one of the dear scrambles they loved wrought disaster calling for needle and thread; whilst the accounts we have read of the home at Sandringham are replete with proof that our present King and Queen have always loved nothing so much as the simple home life which ordinary folks can enjoy without comment. Like Queen Victoria, they delighted in fresh air, and plenty of it. They saw to it that their daughters always had plenty of outdoor exercise, heedless of weather, thus making them the fine, healthful, well-developed girls they grew up to be. The farm at Sandringham was, and doubtless is, one of our Queen's greatest delights; not as a fact, not as a mere little passing detail of her life, but as a real personal interest, a positive factor in her happiness, a reprieve from the claims upon her which could not be ignored, but which could be sweetened by the simpler pleasures which she knew awaited her in her dear little dairy farm at Sandringham. Do the farmers' wives of Canada know that their Queen can make butter—not mere butter, or middling butter, but good butter? And how many of his subjects know that their King—taught, like all the members of the Royal family, at least one good trade—can make a pair of boots—not middling kind of boots, but good strong boots which could be warranted to keep out the water? And to go a little farther back (now we are on the subject, and in proof that they are not mere gingerbread kings and queens of whom we speak), we are told that at Windsor our late lamented Queen Victoria "used" to rise in summer at 6.30 a. m. and 7.30 a. m. in winter. After prayers, and breakfast (a very simple one), she and the Prince Consort would stroll out, arm-in-arm, Darby and Joan fashion, round the gardens and home farm. She was fond of seeing the poultry fed, and she did not disdain to give the poor pigs a look." At Osborne she had a Swiss cottage erected in the grounds for the use of her children. There the boys learnt carpentering under their father's direction, and the princesses in their model kitchen and dairy prepared ordinary repasts and dainty dishes, as well as all manner of nourishing things for the poor and sick. The children each had a garden, in which flowers, fruit and vegetables were raised and attended to by themselves after receiving due instructions. Nor, as we all know, did their training stop with the development of their physical faculties, for the Queen made it a conscientious duty that they should in all respects be fitted for the high positions they were destined to occupy and for the sacred obligations their positions entailed.

Not the least part, then, of the valuable heritage bequeathed to her children, and through them as a benediction to the people of her Empire, by Victoria the Great and Good, was this intelligent recognition (a recognition which seems to be only now, fifty years later, dawning upon the minds of our educationists to-day) of the absolute necessity of cultivating every faculty of body as well as mind, of directing the fingers as well as the brain into intelligent co-partnership as the only true and safe basis upon which to secure future success in every walk in life. Thus judiciously trained, thus imbued with a sense of the dignity of labor, of the sweetness and beauty of work achieved in the unfettered freedom of God's own beautiful country, have been the dear young couple, the Royal pair who are travelling through our land, and from none should come to them a more hearty welcome than from the farms and country homes of the broad Dominion of Canada.

H. A. B.

Several of our readers have written for the address of the magazine recommended in our last issue. Here it is:—"Canadian Housekeeper" Publishing Co., Toronto, Ont.

A good story is told of two Scotsmen who happened to be standing near Lord Nelson when he gave his famous signal—"England expects every man this day to do his duty." Donald turned to Sandy with a long, sour face and said: "Eeh, Sandy, there's naething there about puir auld Scotland." "Hoot, man," said Sandy, "Scotland ken's weel that her bairns aye dae their ain duty, it's only a hint to these Englishers."

An Irishman was brought before the Sheriff Court, charged with poaching for pheasants. "What have you got to say to this charge of shooting birds?" asked the magistrate. "Upon my conscience, yer Honner," replied Pat, "Oi niver shof but wan burrd in me loiffe, an' it was a rabbit, an' Oi knocked it down wid a shtick."

THE CHILDREN'S CORNER.

Between Ourselves.

Do you know, there are two ways of doing everything? One is the pleasant way, the other is a very unpleasant way. It is worth your while to cultivate a pleasant voice and manner, until it becomes a habit and you hardly know how to be rude and ungracious.

Mary had announced at the breakfast-table that she was going down town that day. She was almost ready to start, when her brother Tom came to her with a short, penciled list.

"Would you mind getting these for me, Mary?" he asked. "There are two books that I can't get at the school store, and there's a piece of music that my teacher wants me to have for my violin. If you will get them for me I won't have to go down myself."

Mary looked rather vexed. "Why, yes, I suppose I can get them," she said, ungraciously. "I wasn't going to that store, though, and I have lots of shopping to do for myself."

"Well, then, don't get them," Tom said hastily. "I don't want to make you a lot of trouble. I can get down myself in a day or two, and perhaps I can borrow somebody's book till then."

"Oh, I'll go," Mary said, taking the list from him. "Only it isn't very convenient."

Tom turned away with an indignant look on his face, and Mary put on her hat and started for the city. Soon after, Margaret came into the room with a sweeping-cap on her head and a broom and dust-pan in her hands. She had just started to sweep when Tom came in again. He looked very dismal.

"See what I've done, Margaret!" he said, pointing to a long tear in his coat. "I caught it on a nail in the shed just now. What will I do? It's the only school coat I have, and I'll have to be off in ten minutes."

"I'll mend it for you, Tom," Margaret said, standing her broom in a corner and getting her work-basket. "It won't take me long."

"But you're busy," Tom said, doubtfully, remembering his previous experience. "I don't want to bother you now."

"As though I wasn't always glad to help you when I can. Give me your coat, and we'll have it mended in a jiffy," Margaret answered, with a laugh.

"You're the right sort, Meg," said Tom, gratefully, as he put his coat on, a few minutes later. "You never seem to think it's a bother to help a fellow out of a fix."

You see, they both did the kindness, but don't you agree with me that Margaret's plan was much the nicer? Which of these sisters do you resemble more? Even if you are like Mary at present, it is not necessary to be like her always.

But it isn't only the girls who are rude and ungracious. Very often the boys seem to forget that if they want to be gentlemen when they grow up they must begin now. I hope you are never intentionally rude, but only a little forgetful at times, like another little boy, who says:

"If I didn't forget how old I was,  
Do you think I'd act like I often does?  
Do you think I'd swing on the front-yard gate,  
If I could remember that I was eight?  
If I didn't forget how soon I'd grow  
To be a big man like Uncle Joe,  
Do you think my pa would have to scold,  
'Cause I didn't do what I was told?"

"Do you think I'd set my ma so wild,  
An' act so much like a little child,  
If I didn't forget I was half-past eight?  
An' would Miss Brown have to keep me late?  
Miss Brown said I was a little fiend,  
An' I didn't know what the old thing meant,  
But she said 'twas becuz I played so rough,  
An' it made my ma just cry—sure 'nough."

"If I didn't forget, do you s'pose that I  
Would ever act so's to make her cry?  
And don't you suppose I'd behave just fine,  
If I didn't forget I was going-on-nine?  
If I could remember, do you suppose  
I wouldn't take off my Sunday clo'es?  
And would I get mad at my cousin Ben,  
Without getting right away good again?"

"Pa says he believes I was just born bad,  
And Uncle Joe says that I'm like my dad,  
An' Aunt Lou says she don't suppose  
I'll ever be better, but ma—she knows,  
An' she hugs me close, with a kiss, becuz,  
She says, I forgot how old I was."

But it won't do to preach all the time. Don't forget about our holiday letter competition. All letters must reach me before the first of October.

COUSIN DOROTHY.

The Up-to-date Woman.

Here lies a poor woman who always was busy;  
She lived under pressure that rendered her dizzy.  
She belonged to ten clubs, and read Browning at sight;  
Showed at luncheons and teas, and would vote if she might.  
She served on a school board with courage and zeal;  
She gollied, and she kodaked, and rode on a wheel;  
She read Tolstoi and Ibsen, knew microbes by name;  
Approved of Delsarte, was a "Daughter" and "Dame."  
Her children went in for the top education,  
Her husband went seaward for nervous prostration.  
One day on her tablets she found an hour free—  
The shock was too great, and she died instantlee!  
—Philadelphia Record.

## THE QUIET HOUR.

## Casting a Shadow.

"Some murmur when their sky is clear,  
And wholly bright to view,  
If one small speck of dark appear  
In their great heaven of blue.  
And some with thankful love are filled  
If but one streak of light,  
One ray of God's good mercy gild  
The darkness of their night.  
In palaces are hearts that ask,  
In discontent and pride,  
Why life is such a dreary task,  
And all good things denied;  
And hearts in poorest huts admire  
How love has, in their aid  
(Love that not ever seems to tire),  
Such rich provision made."

There is an old story told of Diogenes, that when Alexander found him sitting in the sun, and asked if he could do anything for him, the philosopher replied: "Yes, stand out of my sunshine, and do not take away that which you cannot give."

It was not a very polite answer—politeness could hardly be expected of a cynic—but it was certainly practical. We have no right to blot out the sunshine by always dragging unpleasant things to the front and making the most of them. We have no right to go through life with a wet blanket always ready to extinguish other people's enthusiasm. Even those who try to comfort others often act as Job's comforters did, attempting to console and show their sympathy by making the most of their friend's troubles, and hunting about for fresh sorrows to talk about. When visiting a sick person, there is no need to say, "How ill you are looking," or to discuss every detail of the illness and every other similar illness you ever heard of. No wonder doctors often disapprove of visitors. I once went to see a little boy (one of my Sunday-school class) who was very ill. A neighbor, with the very kindest intention, of course, was doing her best to break down the poor mother's courage and hope. "What will you do, you poor thing?" she kept on saying; "I am sure Eddie will die, he looks so dreadfully ill."

He didn't die, for a wonder, for all these comforting remarks were made in his presence.

Another friend of mine wept bitterly, over and over again, because she expected to leave the old home she had lived in for forty years. She seemed broken-hearted, and was quite sure she could never be happy again. My suggestion, that she had better wait and see whether she really would have friends or pleasures in the new home, had no effect. She walked for months in a very dark path, darkened entirely by the shadow she herself cast on her future, instead of waiting until the troubles came before fretting over them. After all, her tears were wasted—she did not go away at all. We have no more right to cast a shadow over our own lives than to intercept the sunshine of others. Our orders are to let our light shine. This certainly does not mean being gloomy and hopeless. We should go forward to meet the unknown future hopefully and cheerily, fearing nothing, but taking each day's cares and troubles fearlessly from our Father's hand. He loves us. Is that not sufficient guarantee that whatever He sends will be just what we need most? The paradox that "His will is sweetest when it triumphs at the expense of our own" is most gloriously true. How can a true Christian indulge in gloomy fears and forebodings? God has the ordering of the future, and has promised to make all things work together for the good of those who love Him. Then the present trials, disappointments, interruptions, have not come by chance. God sends each one as His messenger to teach us faith, patience, gentleness, or some other needed lesson. Can we not welcome them with a smile, as blessings in disguise? In trying to comfort others, it is not enough to weep with them that weep; let us try also to encourage them to thank God and take courage. Sorrow is not only to be borne submissively, it should be accepted victoriously.

"Now with gladness, now with courage,  
Bear the burden on thee laid."

We have no business to cast a shadow anywhere; our business is to shine always, especially in dark places. Many a hopeless man or woman has been saved from suicide by a few cheery, encouraging words, or a friendly hand-clasp. We all know how disheartening it is to live with people who have contracted the bad habit of complaining about everything—the meals, the weather, the children, etc., etc. One mother asked her sister to keep count of the number of times she said "don't" to her children. She thought it was time to break the habit, when she found that the word had been hurled at them eighty-seven times in one day.

"That girl shines everywhere," was said of a bright-faced girl who was the centre of attraction at a party.

"Everywhere but at home," was the answer. How many can be bright and sunny with strangers, yet cast very black shadows at home!

It has been well said that some people go at everything in much the same way that an im-

patient man tries to unlock the door with the wrong key. He jams the key, twists it, jerks the knob, gets mad, probably breaks something, and only succeeds in making trouble generally.

"Why darken we the air  
With frowns and tears, the while  
We nurse despair?  
Stand in the sunshine sweet,  
And treasure every ray,  
Nor seek with stubborn feet  
The darksome way."

Miller says that a man who was asked to contribute towards the erection of a monument to a "discourager," replied: "Not a dollar. I am ready to contribute towards building monuments to those who make us hope, but I will not give a dollar to help perpetuate the memory and influence of those who live to make us despair."

People have troubles enough without our adding to them: Instead of finding fault and complaining, we might imitate Sir Walter Scott. He wrote in his diary one day: "Bilious and headachy this morning. A dog howled all night, and left me little sleep. Poor cur! I daresay he had his distresses, as I have mine." The people who annoy and irritate us are probably to be pitied rather than blamed. As Peter the Great used to say, "It is easy to splash mud, but I would rather help a man to keep his coat clean."

"The memory of a kindly word,  
For long gone by;  
The fragrance of a fading flower,  
Sent lovingly;  
The gleaming of a sudden smile,  
Or sudden tear;  
The warmer pressure of the hand,  
The word of cheer;  
The hush that means "I cannot speak,  
But I have heard!"  
The note that only bears a verse  
From God's own Word;—  
Such tiny things we hardly count  
As ministry—  
The givers deeming they have shown  
Scant sympathy;—  
But when the heart is overwrought,  
Oh! who can tell  
The power of such tiny things  
To make it well."

HOPE.

## What is Good?

"What is the real good?"  
I asked in musing mood.

Order, said the law court;  
Knowledge, said the school;  
Truth, said the wise man;  
Pleasure, said the fool;  
Love, said the maiden;  
Beauty, said the page;  
Freedom, said the dreamer;  
Home, said the sage;  
Fame, said the soldier;  
Equity, the seer;—

Spake my heart full sadly:  
"The answer is not here."

Then within my bosom  
Softly this I heard:  
"Each heart holds the secret:  
Kindness is the word."

—John Boyle O'Reilly.

## How to Make a Pretty Screen.

I told you of a screen which I intended making out of ferns, grasses, etc. It is now finished, and I am going to attempt a description of it in this letter, trusting many of the "Advocate girls" will begin collecting materials this fall, and succeed in completing a screen, before Christmas, which will rival any of the beautiful creations far Japan has sent "to make us bow our heads and bend them low"—in admiration, of course.

The frames for the screen, any carpenter can make; but it is much cheaper to have them made at a planing mill. The size, of course, is all a matter of taste; mine has four panels, each frame measuring 4 feet by 15 inches, made of nice lumber, grooved, like a window sash, in order to hold the glass securely. This makes a good-sized screen, and requires heavy casing boards for the back to make it sufficiently substantial to withstand the breeze boys sometimes create when passing by. Order the casing boards when ordering the frames, then they will be sure to fit. White Double Elephant is one of the best mounting papers; it is heavy, and upon it the decorating shows up well. The paper should be cut the size of the casing boards, and fastened securely to them; then there will be no fear of the "front looking asquint on a stranger"; but there is fear of having a very stiff line through the decorating unless care is taken to have gathered a sufficient amount of necessary foliage, such as vines, all sorts of grasses, small ferns, and quantities of autumn leaves (yellow as well as red). Virginia creeper and maiden-hair ferns are very necessary, working in where nothing else will, and with grasses for the top, the list is complete. For one season, four panels, too much to attempt. I am leaving my fourth, hoping to secure specimens from foreign countries; but whether this fourth panel be Bulgarian or British, or purely Canadian, I am sure there will be the same sense of satisfaction when the last leaf is pasted and the last hinge screwed—or, of course, the panels are put together with hinges.

Any girl making this screen, has with her the very best wishes of—

"ONE OF THE GIRLS."

## The Crying Need of the Home.

What is the crying need of a home? Not money. Not intellect. Not refinement. Not wisdom. It is love, and warm demonstration of love.

Life is such a little thing, a short space of years at best, and to live it through and to have missed love in childhood from father and mother is the saddest thing in all the universe. Most people love their children. Few fathers and mothers would own to a lack of affection for their offspring.

But in many homes—shall I say in the majority?—there is a lack of the real living love and tenderness that fill the heart full to running over with love words, kisses, fond caresses. The good-night kiss, the dear hand upon the little one's head and cheek, how these things expand the soul of the child and make it receptive to good influences.

To be a father or mother is to hold the keys of heaven and hell for the human race. The relation is a divine one, with infinite demands, and yet how often undertaken with no forethought, no sense of the awful responsibility. Wisdom, goodness, nobility, strength and patience are needed by the parent, and above all, love.—(Woman's Home Companion.)

## Recipes.

## JELLY ROLL.

One egg, one half cup sugar, one half cup sweet skimmed milk, one cup sifted flour, one teaspoon baking powder (or one half teaspoon cream tartar and one quarter teaspoon soda), a small pinch of salt, lemon flavoring. Don't beat the egg or the result will be tough and leathery, but put all ingredients into a basin or bowl, and stir until smooth, but no longer. The batter will be very thin. Pour immediately into an oblong biscuit sheet which has been prepared by greasing and then dusting with flour. Bake in a moderately quick oven, watching carefully, as the mixture takes but very few minutes to cook, and one or two minutes more would spoil it. When a nice golden brown, remove from the tin by turning upside down on a cloth. While still hot, spread with jelly, and, beginning at one end, roll, wrapping in a cloth, if necessary, to keep in shape till cool. If the measuring cup is large, a tin about 9 by 15 inches would be about the right size. If the cup is small, use a correspondingly smaller tin, as the batter should but little more than cover the bottom of the tin, or the cake will be so thick it will not roll without breaking.

## Dainty Dishes from the Garden.

## SCALLOPED CAULIFLOWER.

A large head of cauliflower or two small ones will be required; break up into small single sprigs, in a pan of salted water; wash and drain carefully, plunge into boiling salted water and boil twenty minutes; drain very thoroughly. Make a cream sauce, rubbing together 2 tablespoons butter and 2 of flour in a saucepan; let it bubble up, stirring constantly until well cooked, but with care that it does not brown; add gradually a cup and a half of rich milk. Arrange the cauliflower in a baking dish, pour the sauce over, and cover the top with bread-crumbs or rolled cracker, having bits of butter dotted thickly on top, so when baked a few minutes in a hot oven it will come out a golden brown.

## BAKED CORN.

Cut the corn from the cob. To each pint of this take a cupful of milk or thin cream; put the milk in a saucepan, to boil, and thicken with a tablespoonful of cornstarch or flour, wet up first with milk; when cooked mix with the corn, season carefully with butter, pepper and salt, and bake. This is a very nice vegetable dish to serve with chicken.

## SCALLOPED TOMATOES.

Choose good, firm, even tomatoes. (By dipping in scalding water for a second the skin will slip off easily, leaving the surface smooth.) Cut the top off each tomato, scoop out a little of the inside; make a dressing of bread crumbs moistened with a little cream and seasoned with pepper and salt; fill each tomato with this dressing, place a piece of butter on each, and bake for 20 minutes.

## Generous.

Mary's mother one day gave her a cent to buy some candy. As the little girl went down the street she discovered a beggar boy on the front steps of a neighbor's house.

She was five years old, and a cent seemed to her a good deal of money. She looked first at the boy and then at her cent.

Finally, with a smile she stepped up to the forlorn child, and touching his shoulder gently, said:

"Here, little boy, take this cent, and go and buy yourself a suit of clothes and some dinner."

**Ingle Nook Chats.**

MY DEAR GUESTS,—

"With all her store of golden corn,  
With all her gifts of grain,  
September winds her hunting-horn  
O'er mountain-side and plain;  
And every heart that hears the call,  
Afar the tidings flings,  
Since loved is she in cot and hall  
By peasants and by kings."

Have you ever tried getting up early one of these bright September mornings, and taking a long drive before the warm beams of the day-king have stolen night's jewels away? If not, you have missed a beautiful scene, the memory of which might be a joy forever. This morning the privilege was mine, and heartily I enjoyed it. The day gave promise of great heat, but at that hour it was delightful. A soft pulsh haze nestled about the horizon, enfolding the distant hills and stooping to kiss the nearer tree-tops. The sun shone just sufficiently to light up Nature's jewel-casket and display in all their beauty her sparkling gems. Filmy spider-webs, marvels of delicacy and ingenuity, glittered with myriad dewdrops, each like a pendant diamond, while from occasional groves came the balmy, spicy odor of the pine. On either hand lay verdant stretches of clover aftermath or the still-golden stubble where so lately the reaper had sung its merry song, and everything breathed of peace and joy.

I had been worried with numerous cares, each in itself trifling, but whose combined weight had made a considerable burden; but who could remain depressed on such a day and in such an atmosphere? This charming scrap from the pen of Jean Blewett came to my mind and helped to drive away the blues:

"Glorious the sceptre that He  
wields—  
Heart, do you understand?  
All, all is His, His great arm  
shields  
That which is bare and that  
which yields,  
Lord is He of the harvest fields  
And of the barren land."

So much of our joy or sorrow is attributable to ourselves alone, that he is foolish who does not choose the former as his companion. If we allow ourselves to drift carelessly along, jolting against every sharp corner and tripping over stumbling blocks (for sharp corners and stumbling blocks are always to be found), we shall certainly be wounded and bruised in a manner that a trifling bestowal of forethought and care would certainly have avoided. Nor is it always necessary to evade these small trials, as we are told "no ship ever worked its way in a dead calm"; but we should arm ourselves with patience, and, above all, with cheerfulness, in order that we may emerge from the conflict victorious.

But enough of my moralizing, let me give you the opinion of "wiser sages than I":

"You find yourself refreshed by the presence of cheerful people; why not make earnest effort to confer that pleasure on others? You will find that half the battle is gained if you never allow yourself to say anything gloomy."—[L. M. Child.

"There is no beautifier of complexion, or form, or behavior, like the wish to scatter joy and not pain around us."—[Emerson.

Since, then, fair Joy is so desirable, we should endeavor to have her make her home with us, and to do this we can follow no better advice than that given by Edward Everett Hale:

"To look up, not down;  
To look forward, not backward;  
To look out, not in;  
And  
To lend a hand."

No room for gossip this time.

THE HOSTESS.

Ingle Nook Chats, Pakenham, Ont.

**Memory Gems.**

(BY "MOSSBACK'S DAUGHTER," PORT PERRY, ONT.)

Let knowledge grow from more to more,  
But more of reverence in us dwell;  
That mind and soul, according well,  
May make one music as before,  
But vaster.

—Tennyson: From "In Memoriam."

Watch the princely flowers  
Their rich fragrance spread,  
Load the air with perfumes  
From their beauty shed;  
Yet their lavish spending  
Leaves them not in dearth,  
With fresh life replenished  
By their mother earth.

—Adelaide Anne Proctor: From "Reward for Giving."

Pour out thy love like the rush of a river,  
Wasting its waters forever and ever  
Through the burnt sands that reward not the giver;  
Silent or songful thou nearest the sea,  
Scatter thy life, as the summer showers pouring;  
What if no bird through the pearl rain is soaring?  
What if no blossom looks upward adoring?  
Look to the life that was lavished for thee.

—Rose Terry Cook.

O beauty of holiness,  
Of self-forgetfulness, of lowliness!  
O power of meekness,  
Whose very gentleness and weakness  
Are like the yielding but irresistible air.

—Longfellow: From "The Golden Legend."

I know not where God's islands lift  
Their fringed palms in air,  
I only know I cannot drift  
Beyond His love and care.

—Whittier: From "The Eternal Goodness."

To thine own self be true;  
And it must follow, as the night the day,  
Thou canst not then be false to any man.

—Shakespeare: From "Hamlet."

Though we travel the world over to find the beautiful,  
We must carry it with us or we find it not.—[Emerson: From  
"Essay on Art."

It is the type of an eternal truth—that the soul's armor is  
never well set to the heart unless a woman's hand has braced  
it; and it is only when she braces it loosely that the honor of  
manhood fails.—[Ruskin: From "Sesame and Lilies."

They only are wise who know that they know nothing.—  
Carlyle: From "Sartor Resartus."

The communicating of a man's self to his friend works two  
contrary effects: for it redoubleth joys, and cutteth griefs in  
halves.—[Bacon: From "Essay on Friendship."

**"An Old Story."**

The two old men of our picture are evidently  
boys again in imagination, the long intervening



(Etched by J. S. King, from original by O. Goldman.)

**AN OLD STORY.**

years for the moment forgotten as they live over again, in the telling, the story of schoolboy frolics and youthful escapades. The artist has caught, with inimitable skill, the expression of the three faces, as, the climax reached, the word which gives point to the whole, and which may or may not have a meaning too broad to be openly mentioned "in the presence of a lady" (even though she be the wife of one of them) has to be whispered behind the extended fingers of the roguish old story-teller. The old lady, her knitting suspended in mid-air, is listening intently, evidently bent upon getting at the bottom of it. At present its meaning is only beginning to dawn upon her, but there is a look of grim humor in her face which bespeaks forgiveness for the two old rogues if the joke be a sufficiently good one, but not otherwise, and her opinion of them, or of it, will not be given in a whisper, either. The accessories of the picture are all good, and convey the impression of a comfortable middle-class home, where competence reigns.

H. A. B.

The young lady at the piano was playing a difficult selection from Wagner. In the midst of it she suddenly stopped in confusion. "What's the matter?" inquired one of the company. "I struck a false note," she replied. "Well, what of it?" asked another: "nobody but Wagner would ever know it, and he's dead." Go ahead with the music." And she went ahead.

**The "Especial" Occasion.**

In farmhouses, as in all other ones, occasions will sometimes arise upon which the women of the house desire to have the table look especially nice, and the dishes served thereon especially appetizing. To the woman of the town, in the majority of cases, such an event as this means comparatively little. She has no bread or butter to make, no milking to do or chickens to see to, no garden to attend to, and, very often, no sewing to do with her own hands. Hence, having enough time at her disposal, she can proceed, with little concern, to make out a menu of soup, fish, meats, vegetables, sweets, etc.; and when the grand event arrives, as she usually has at least one servant, she can see that the meal is carried through with all the courses and eclat in general.

To the farm woman, on the other hand, such an occasion has an entirely different significance. With as much or more to do already than she can conveniently manage, the extra fuss of preparation must, to a certain extent, upset the general running of affairs, and unless she exerts her brain as well as her hands, the result will be that when the grand finale arrives she is either too tired to care to meet her guests, or else has such an amount of undone work left over for the morrow that she dreads to look forward to it.

With regard to such an emergency, then, a few hints may not prove out of place, to some, at least, of the busy farmer-women. As such important events as weddings, however, would require a whole paper to themselves, it must be understood that the following remarks apply only to less formal functions, the having of a few friends in to "tea" (as the six-o'clock meal is almost invariably called in the country), and suchlike.

In the first place, then, we may begin by a few "don'ts." Don't make out such a long and tedious list of dishes that the whole of the preceding week will be spent in preparation. I was once at a table upon which was literally piled (and all at the same time, too) the following array: Meat, stewed tomatoes, pickles, bread and butter, cheese, pies, two kinds of preserves, patty cakes, fruit cake, layer cakes, and cookies. Fancy the time involved in the making of all those cakes and pies; and in the very hottest part of summer at that!

Again, don't pile everything on the table at once. At the above-mentioned repast, I declare there was scarcely a square inch of the tablecloth visible, and the effect was not pleasant. One hates to fancy even the table groaning. Besides, it is rather repellent to a good appetite to see a whole menagerie of cakes (iced, probably, with a fly or two travelling over them) glaring one in the face the whole time one is engaged upon soups or meats. When the time comes to be served with the sweets, one is likely to have lost the relish, which is, after all, the best flavoring to any piece of cookery.

Having thus disposed of the "don'ts," it may be well to consider, for a few minutes, the "dos." In a farmhouse, unless you are especially well-to-do, and have plenty of hands to help in the preparing and serving, do not think of bothering with more than two courses; but see to it that these are served in courses. For the first one you may plan for some nice soup or stew—e. g., oysters or tomatoes—to be served with biscuits; otherwise you may prefer, as is likely, cold meat and salad, to be served with bread and butter, pickles, and spiced fruit. For the second one, you may decide upon fruit (preserved, raw, or a fruit salad), cake (preferably two kinds), and perhaps ice cream.

Having thus settled the menu, now for the preparation. The salad dressing may be made first. You may make it some day when you are getting dinner ready, and if put in a sealer in a cool place it will keep a week or more. Then, have done with the cake; it will stand waiting for three days very well, if kept, also, in a cool place. It is handy to make the two kinds of the same kind of batter, procuring variety by making a difference in the icing and filling. For instance, ice the one with chocolate or caramel; the other with cocoanut, lemon or pink icing; anything

you choose, providing one is light, the other dark in color—they look so much prettier so, when cut in squares and placed in the cake-baskets.

Having done all this, the worst part of the preparation seems over, and you may proceed, in peace, to see to your meat. Ham is nice, boiled; also lamb or veal, roasted; or jellied chicken. These (any of them) may be prepared upon the day preceding your entertainment; and then nothing will remain to be done except the arranging of the fruit, if raw, and the finishing of the salad, both of which may be accomplished in a very short time, leaving you plenty of time to arrange your hair and compose your nerves for the reception of your guests.

And now we come to the setting of the table. If the cloth is of fine quality, it must not have been starched; if poor, a dip of very thin starch will have improved it somewhat; but stiff starching in table linen is not considered "good form." Upon the table, then, first spread a thick felt cloth (or a piece of an old blanket, kept for the purpose, will do very well, if cut to fit the top of the table); over this place the cloth, which will look much better for the under-covering. The latter, by the way, also helps to deaden the sound of dishes, etc.

In the centre of the table place your embroidered centre-piece, with your china dish of ferns, or your clear-glass globe of flowers. A large center-piece of Battenberg lace arranged in puffs and crinkles about the flower-vessel has a very attractive effect. Now place the pickle and spiced-fruit dishes on the table; also the salt and pepper casters; small plates of neatly-cut bread; also the napkins, knives, forks, and spoons—at each place—arranging the latter three parallel with one another. At one end of the table put the tea-tray, and at the other the pile of plates, with the platter of sliced meat, surrounded by a wreath of crisp parsley leaves. Lastly, at each place put a small dish containing salad placed upon a lettuce leaf. Then seat your guests.

If possible, have someone on hand—some member of the family, if no one else can be procured—to pass cups, plates, etc. Then, while the hostess pours the tea, the host serves the meat, and the first course can thus be accomplished without fuss, noise, or friction. Always remember, the less bustle, or bothering of the guests in passing things, the better. Yet, at a very few houses, one may even yet see the plates arranged about the table at the very beginning of the meal, which plates have to be passed from hand to hand to the host for serving, and back again. This operation, being carried on simultaneously with the passing of the tea in the same fashion, causes a crossfire of cups and plates that is most bewildering, not to say distracting.

When the first course is over, the waiter quietly removes soiled plates, platter, knives, etc., and brings on the fruit (or ice cream) and cake, with the fresh plates and dishes necessary, thus concluding the work of the entertainment, so far as the comfort of the guests is concerned—and that, too, with an astonishingly small amount of worry, and with all the daintiness necessary.

I will conclude, then, by adding the recipes for fancy salads promised at the close of my last letter; also one for jellied chicken, which may prove useful to someone.

**SALAD DRESSING.**—(To be used exactly as the simple one before given.) Beat together the yolks of three eggs, one small level teaspoon of salt, and one teaspoon of mustard. Add one cup thick cream, a little sugar, one half cup hot vinegar, and the whites of three eggs beaten stiff. Cook over hot water until like custard. This dressing will keep for weeks, and is useful for any vegetable or meat salad.

**1. TOMATO SALAD.**—Cut a hole in the top of each, and take out the pulp. Chop the pulp with one cucumber and a slice of onion. Season with pepper, salt, and a little vinegar and sugar, if liked. Set on ice. Fill tomatoes with the mixture before serving, and on top of each put a spoonful of dressing. Serve on lettuce leaves.

**2. TONGUE SALAD.**—Chop a boiled tongue very fine. Mix with finely chopped celery, and a few hard-boiled eggs chopped. Then mix with the dressing.

**3. CHEESE SALAD.**—Shred some crisp lettuce. Mix with the dressing, into which has been beaten one-quarter of a pound of cheese grated.

**4. CHICKEN SALAD.**—Chop the meat of cold chicken, also the yolks of six hard-boiled eggs, and a head of celery. Mix all together, and just before serving add the dressing.

Lastly, a few fruit salads, to be used instead of preserved fruit:

Arrange, with layers of sugar, any mixture of fruit (that will blend nicely in flavor) in a dish; e. g.: bananas (sliced) and shredded pineapple; bananas and oranges; bananas and strawberries; peaches and bananas; etc., etc. Pour over it any of the following fruit: (1) the juice of oranges and lemons, mixed and sweetened; (2) whipped cream flavored and sweetened; (3) make a dressing as for vegetables, using lemon juice instead of vinegar; (4) a sweet salad dressing. Rub two teaspoons of almond butter with two thirds of a cup of water until smooth; add two table-spoons

of sugar; one-fourth teaspoon salt. Cook, and add two table-spoons of lemon juice.

Orange salad is very nice served in half of the orange peel, with a spoonful of thick dressing or whipped cream on top. Many, also, like chopped nuts in these fruit salads, as well as in those made of vegetables.

**JELLIED CHICKEN.**—Cut the meat from a roast fowl. Butter a mould and stick over it slices of a hard-boiled egg and sprigs of parsley. Then put in the whitest slices around, and fill the center with the other bits. Melt half an ounce of gelatine in one-fourth pint of the stock made from the bones and trimmings of the fowl. Stir gently over a moderate heat until it boils. Season and add a little lemon juice. When off the boil, add one half cup of cream, and pour gently into the mould. Set on ice. When ready to serve, dip the mould in hot water to loosen the meat. Turn out on a platter, and put around it any garnishing preferred. **CLARISSY ANN.**

### Travelling Notes.

Which thread of our story shall I take up today? I am afraid that the various threads have got somewhat tangled up by my taking up one here and one there, instead of carrying you straight through the pages of our diary. My dear people, I really have had to do that, because the Home Magazine would never have made room for the history of all our doings. Perhaps talking of a tangle made me, by a subtle brain connection, think of "a maze," and as at Hampton Court there is the celebrated Maze which the faithful tourist, whether tired or otherwise, seems bound to tread, my finger turns the page at that which is devoted to our visit to Hampton Court.

A never-to-be-forgotten drive through the deep-wide avenue of horse-chestnut trees, in full bloom, for which Bushy Park is world-renowned, brought us through the famous "Lion Gates" (built by Queen Anne) to Hampton Court, one of the most popular of the Royal palaces, as it is the largest. It is said that since Queen Victoria threw open the rooms of State to public view they have been inspected by over eleven millions of visitors. Nor is this the only way in which our late honored sovereign has turned to practical benefit the marvellous resources of that palatial building. Several of its rooms, in suites, are occupied by Royal Beneficiaries, the widows or dependent relatives of those whose services claim at the hand of the sovereign of England a special and practical recognition. Some of the highest in the land have relations or friends in residence at Hampton Court. These rooms are consequently closed to the public, for an "Englishman's house is his castle," be it a hovel or a palace. Hampton Court, we were told, was founded by Cardinal Wolsey, A. D. 1515, and presented by him, for political reasons, to Henry the Eighth. Here Cromwell resided, with the poet Milton as his secretary, and until the time of the third George it had always been a Royal residence. We walked up the broad staircase leading to the grand hall, 106 feet long and 60 feet high, built by King Henry for state festivities. We noted the old oak tables, the suits of mail, the old flags, and picture gems by Rubens, Van Dyck, Correggio, Rembrandt and other old masters, many of them portraits of royal or historical personages; we saw the Horn room, so called from its collection of horns and antlers made by Queen Elizabeth; we saw the old clock (but heard not a tick from it, for it was taking a rest just then), which is said to go for a whole year without winding; we saw the tapestried walls, the damask-hung and canopied beds wherein had reposed (?) the uneasy heads of by-gone kings and queens; we tried to compute, but could not, the depth of the broad window-seats and the weight of the massive shutters of old oak, with their great locks and heavy rings, requiring herculean strength to adjust them; and, finally, we passed on under the Anne Boleyn gateway beneath the big clock tower. "Fan," I caught myself huskily whispering, "how old do you feel? I believe I am at least four hundred years of age, and that if you touch me I shall crumble into dust." Fan, who is practical if she is anything, said: "Rubbish! What you want is a good square meal to bring you back to the consoling fact that you belong to the enlightened, common-sense 20th Century, and that you are a Canadian at that! I think I shall enjoy hearing the cock crow in the morning and the cows lowing in the barn pasture at milking time all the more thankfully that I have had these glimpses into the past. Come along, friend Mollie, you have still more to see before we turn our faces Londonwards once more."

With that we passed out into the sunshine, through the lovely gardens of King Charles I., with terraces and fountains, and a very blaze of floral beauty, into the immense park with its avenues of noble trees. Of course, we saw the old vine which was planted in 1768, and which, though now over 130 years old, bears 3,000 bunches of grapes annually. Of these, we were told, only 1,200 are permitted to grow to maturity, the vine having suffered in the long ago

from over-production; but to what a wonderful maturity do they grow, the fruit when ripe weighing nearly 600 lbs. "The vine is computed to have produced during the last 120 years no less than the grand total of at least 80,000 lbs. of ripe grapes." Aesop's old fable of the fox and the grapes came vividly to both our minds, but we consoled ourselves for our disabilities by confiding to one another that if our grapes in Canada were not quite as big, they tasted just as good, and we could eat as many of them as we felt inclined.

But we must not linger at Hampton Court. Please come with us to just one place of interest more. This time our visit is to be to the Royal Mint of England, with its still another, though somewhat different, reminder of wise old Aesop, for again it was a case of "sour grapes"; once more it was "touch not, taste not, handle not." The mint, built originally in 1811, was, our guide told us, greatly extended in 1881 and 1882. It is no longer the only place of issue for gold coinage having currency in the United Kingdom and its colonies, for there are mints at Melbourne and Sydney, at Calcutta and Bombay, and, as we have read with the deepest interest in the Canadian papers which our friends send us, there seems more than a probability that there may also be in Canada a branch too, upon the plan of those in the Australian colonies. "Oh!" said my chum, "does not that sound 'real nice'?"—clean, wholesome gold coins, instead of those dreadfully dirty bills which, in spite of their microbic horrors, we Canadian people handle from day to day, with hardly a word of protest. I would not for the world that these English people should get a sight of them. Nature has given us a very wealth of gold in Canada; why shouldn't we shape it for our own needs and purposes? Now, I do not think I can attempt a description of the wonderful processes which convert bar gold into sovereigns and half-sovereigns of a size and weight which permit of no possible variation, so accurate is the machinery, and so skilled the touch of those who handle the completed coins. We could simply gaze and wonder. But to the expert, who could follow with an educated intelligence, how especially delightful must be a visit to the Royal Mint on Tower Hill, a visit which would have a double significance to him, if taken in conjunction with an inspection under a director's order, which conveys additional privileges, to the Bank of England, the "Old Lady of Threadneedle Street." But time is up, and space is limited; and by way of airing my French, and because it conveys a message of affection and hope, I will simply say, "Au revoir."

MOLLIE.

**POSTSCRIPT FROM MOLLIE.**—I do not know at what stage in the "Advocate" my notions may have arrived, or whether my contribution to the present issue may be extra long or short, but as one who has known our "dear Hope," not only in its pages, but also in the bonds of closest friendship for many long years, I pray the editor to make room for my little postscript. I want to give expression to the intense sympathy I feel with her in her great sorrow, a sympathy in which every reader of Hope's beautiful bi-monthly messages will be sure to share. Anything more sweet and touching than the pathetic little story she so unselfishly wrote with her own hand to her friend Mollie over the sea could not be possibly imagined, and reading between the lines, the revelation of the perfect faith and unwavering trust of every one of that stricken family is clear as crystal, in loving, breathing illustration of every helpful word to the sad and sorrowful which our dear Hope has ever penned. It seems like treading on holy ground to mention even one or two of the incidents which my friend told me, but they are so full of meaning, and convey so helpful a lesson, that I am going to venture to do so. "The last thing Charlie did was to help his feeble grandmother to walk a few steps leaning on his firm young arm." Charlie, always so strong and gentle, so pleased with her progress, had undertaken (delighted with the trust reposed in him) the full charge of the invalid whilst Hope played the organ at church on the morrow which was never to dawn for him. The father was able to say "I can trust my boys with their Saviour"; the mother thanked God "that He has called them back pure and unspiced as He had given them to her." "A comfort, too, instead of a double sorrow, that they had gone together." One more little mosaic from that sad and yet bright home picture. "It was Mariorie's first sight of death, and as they lay side by side, she went from one to the other saying, 'They look so happy, they must be happy.' May the Comforter himself be with dear Hope and her stricken relatives."

MOLLIE.

### A Notice.

The following notice was lately affixed to a church door in Hertfordshire, and read in the church: "This is to give notice that no person is to be buried in this churchyard but those belonging to the parish, and those who wish to be buried as desired to apply to the parish clerk."



For Sale or to Rent.

200-Acre Farm.—Parts of Lots 6 and 7, concession 6, Tp. of Blenheim, 2 1/2 miles from Drumbo, 2 miles from Wolverson, 1 1/2 miles from Richwood. Church, school and post office; good brick house, large bank barn, well fenced, well watered, good orchard. Apply to DALZEL & BARRIE, Solicitors, GALT.

DAIRYMAN WANTED.

To take charge of dairy farm. Stock about twenty-five cows. Must be expert at judging cows, and a competent manager. Excellent position for the right man. In applying send references, which must be good both as to character and ability, to

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SHORTHORNS (IMPORTED).

Five choice young bulls, from 6 to 10 months old, by Imp. Capt. Mayfly, out of Indian Chief dams.

JAMES A. CRERAR, on

Shakespeare P. O. and Station, G. T. R. M.

Toronto Industrial Prize List.

HORSES.

THOROUGHbred HORSES.—Stallion, four years old and upwards—Wm Fleming, Portage la Prairie (Der-mot). Stallion, four years old and upwards, best calculated to produce hunters and saddle horses—1 and silver medal, Quinn Bros, Brampton (Woodburn); 2 S B Fuller, Woodstock (Wyndham); 3 W Barber, Toronto (Billetto). Stallion three years old—1 Jno F Burrell, Brampton (Court K). Stallion, two years old—1 Thos E Brandon, Toronto (Oceanic). Yearling colt, entire—Milton Strong, Willowdale (John Festival). Gelding or filly, three years old—1 Thos Dunn, Mimico (Flemish Beauty). Gelding or filly, two years old—1 and silver medal, A Reinhardt, Toronto (Anticosti); 2 B & J Brandon, Toronto (Lady Smith). Yearling gelding or filly 1 Claughton & Ward, Utica (Maud Miller). Brood mare with foal by her side—1 Jess Jonathan, Oshweken (Leal 2nd); 2 Milton Strong, Willowdale (Festival). Foal of 1901—1 Milton Strong, Willowdale (James Festival); 2 Jess Jonathan, Oshweken (Spot).

ROADSTER HORSES.—Stallion, four years old and upwards, not less than 15 1/2 hands—1 and silver medal, J W Lang, Round Plains (Joseph Chamberlain); 2 Graham, Paxton & Collicutt, Port Perry (Penville Boy); 3 A McDougall, Milton (Star Wilkes); 4 Burrell & Crawford, Brampton (Gold Watch). Stallion, three years old—1 Ben Gates, Hemlock (Monday); 2 W C Brown, Meadowdale (Charlie Ross); 3 J Dickie, Pickering (Lord Jewett). Stallion, two years old—1 W Doherty, Ellesmere (Sir Edward); 2 W G Ellis, Bedford Park (Laddie); 3 Claughton & Ward, Utica (Glitter). Yearling colt, entire—1 Claughton & Ward, Utica (Reflector); 2 M R Hemingway, Unionville (Deacon J); 3 W Doherty, Ellesmere (Roberts); 4 T Skinner, Mitchell (Heron). Gelding or filly, three years old—1 J W Tooley, Delhi (Golden Cloud); 2 G Patterson, Milton West (Frankfort); 3 R Young, Binbrook; 4 H Zinn, Listowel (Bessie). Gelding or filly, two years old—1 Boucher Bros, Huttonville (Flossie); 2 Boucher Bros (Sussey); 3 R S Arthurs, Brampton (Dr Jim); 4 I L Martin, Binbrook (Fakir Jr). Yearling gelding or filly—1 Fuller Bros, Norval (Dexter); 2 A P Stewart, York Mills (Minnie L); 3 A S Turner, Hamilton (Lester Wilkes); 4 J White, Westford (Ida). Brood mare with foal by her side—1 M E Mitchell, Brampton (Nellie); 2 Dr B Gallop, Milton (Kate); 3 H Matthews, Britannia (Maud Muller); 4 I L Martin (Queen of Scots). Foal of 1901—1 Dr B Gallop (Nellie); 2 Fuller Bros, Norval (Tony); 3 H Zinn, Listowel; 4 I L Martin (Vickie Wilkes). Pair matched horses (geldings or mares) in harness, 16 hands and under, and over 15 1/2 hands—1 Miss K L Wilks, Galt (Victor and Vicar); 2 P S Lawrason, Preston; 3 J C Dietrich, Galt (Kiondike and Dawson); 4 H A Dolsen, Altona. Pair matched horses (geldings or mares), in harness, 15 1/2 hands and under—1 and silver medal, T H Richards, Thornhill (Wilkey Belle and Alto-este); 2 Miss K L Wilks (May and Mabel); 3 John Watson, Listowel (Prince and May); 4 R Stewart, Aylmer (Prince and Beauty). Single horse (gelding or mare), in harness, 16 hands and under, and over 15 1/2 hands—1 A Yeager, Simcoe (Delhi); 2 W T Merry, Toronto (Nut Cracker); 3 A A Hood, Toronto (Ponoka); 4 T Bartram, Toronto (William N). Single horse (gelding or mare), in harness, 15 1/2 hands and under—1 J McFarren, Toronto (Wilkie Ross); 2 J A Tovell, Guelph (Joe); 3 J Hooper, Guelph (Flora); 4 H P Kennedy, Peterboro (Lilly).

HACKNEYS.—Stallion, four years old and upwards—1 and silver medal, Dr J Watson, Howick, Que (Bell Boy); 2 Hackney Horse Breeders' Assn, Delhi (Woodland's Performer); 3 R Beith, Bowmanville (Squire Rickell). Stallion, three years old—1 Bawden & McDonell, Exeter (Connaught's Heir). Stallion, two years old—1 O Sorby, Guelph (Guelph Performer). Yearling colt, entire—1 Graham Bros, Claremont (Lord Brilliant). Gelding or filly, three years old—1 R Beith, Bowmanville (Thermia). Gelding or filly, two years old—1 R Beith (Tiana). Yearling gelding or filly—1 R Beith (Princess Feodora). Brood mare, with foal of same breed by her side—1 and silver medal, O Sorby (Miss Baker, imp); 2 R Beith (Mona's Queen); 3 R Beith (Wild Mint, imp). Foal of 1901—1 R Beith (Lady Peveril); 2 Graham Bros (Storm King); 3 O Sorby (Jubilee). Single horse (mare or gelding), not more than 15 1/2 hands (the first prize of \$25 is given by the Canadian Hackney Horse Society)—1 G A Stinson, Toronto (Rosseau Jewel).

SPECIALS FOR HACKNEYS.—For the best Hackney mare or filly, registered in the English Hackney Stud Book, or entered for the subsequent volume—1 R Beith (Mona's Queen). For the best Hackney stallion or entire colt, registered in the English Hackney Stud Book, or entered for the subsequent volume—1 Bawden & McDonell (Connaught's Heir).

SPECIALS FOR HIGH-STEPPERS.—Pair of matched horses, high-steppers (mares or geldings), not more than 15 1/2 hands—1 Crow & Murray, Toronto (The President and His Majesty); 2 Crow & Murray (Encore and Applause). Single horse, high-stepper (mare or gelding), not more than 15 1/2 hands—1 Crow & Murray (South Africa); 2 Geo Pepper (York); 3 Crow & Murray (Applause).

DOG-CART AND COB HORSES.—Dog-cart horse (mare or gelding), four years and over, not under 15 1/2 hands, to be shown to zig or dog-cart; substance and conformation, action and style to count—1 Crow & Murray (South Africa); 2 Crow & Murray (Enbus); 3 A Yeager (Broker). Dog-cart horse (mare or gelding), four years and over,

under 15 1/2 hands and over 15 hands, to be shown to zig or dog-cart; substance and conformation, action and style to count—1 Crow & Murray (Applause); 2 G Pepper (York); 3 Crow & Murray (Encore). Cob in harness (mare or gelding), four years and over, not under 14 hands, and not exceeding 15 hands, must be stoutly built and have style and good action—1 Crow & Murray (The President); 2 Crow & Murray (His Majesty); 3 W Leeson (agent), Toronto (Harmony).

CARRIAGE AND COACH HORSES.—Stallion, four years old and upwards, 16 hands and over—1 and silver medal, A Little, Georgetown (Performer); 2 W C Brown, Meadowvale (Prince George); 3 Harris & Grose, Schomberg (Candidate); 4 T H Hassard, Millbrook (Mark D'Or). Stallion, three years old—1 J L Reid, Derry West (Lord Roberts); 2 Waddle Bros, Port Dover (Bon A); 3 A Hewson, Grahamville (Lord Roberts). Stallion, two years old—1 J L Reid (General Bulley); 2 T Cowan, Orono (Banko); 3 J Robinson, Erin (Prince Arthur). Yearling colt, entire—1 Claughton & Ward, Utica (Millwright); 2 J W Linstead, Queensville (Monticello); 3 T Skinner, Mitchell (Orlando). Pair of matched horses (mares or geldings), not less than 16 hands—1 Crow & Murray, Toronto (British Lion and Unicorn); 2 J Enright, Dundas (May and Mabel); 3 Quinn Bros, Brampton (Report and Flash); 4 Doan Bros, Toronto (Defender and Defiance). Pair matched horses, not less than 15 1/2 and under 16 hands—1 Crow & Murray, Toronto (Captain and Impire); 2 George Gooderham, Toronto (Mohawk and War Eagle); 3 H Morrison, Ashgrove (Mack and Myrtle); 4 A Yeager, Simcoe (Lookout and Getaway). Gelding or filly, three years old—1 Crow & Murray, Toronto (Silverlock); 2 W H McDowell, Ashgrove (Gladys); 3 Geo. Pepper, Toronto (Lady Minto). Gelding or filly, two years old—1 H Zinn, Listowel (Lizzie); 2 Bert Dolson, Altona (Fashion); 3 A Montague, Thamesford (Daisy Bell). Yearling gelding or filly—1 C N Blanchard, Appleby (Fashion's Choice); 2 J Mothersill, Altona (Fanny); 3 Dr J Watson, Howick, Que (Berty). Brood mare, 16 hands and over, with foal of the same breed by her side—1 W C Brown, Meadowvale (Princess Royal); 2 Wm Scott, Milton (Maude); 3 J L Reid, Derry West (Fuchsia). Foal of 1901—1 J L Reid; 2 W N Scott, Milton; 3 W C Brown, Meadowvale. Single horse (gelding or mare), in harness, not less than 16 hands—1 Geo. Pepper, Toronto (Squire); 2 A Yeager, Simcoe (Townson); 3 M H Williams, Oakville (Queen). Single horse (gelding or mare), in harness, 15 1/2 and under 16 hands—1 Crow & Murray, Toronto (Lord Daily); silver medal and 2, J Ross Robertson, Toronto (Winnie Auber); 3 Mrs T M Fraser, Toronto Junction (Highlander); 4 A Yeager (Doctor).

ENGLISH SHIRE HORSES.—Imported or Canadian-bred—1 and silver medal, Bawden & McDonell, Exeter (Belshazzar, imp); Stallion, four years and upwards—1 Bawden & McDonell (Belshazzar, imp); 2 W Rae, St Paul's (Cathorpe Loyalty); 3 Bawden & McDonell (Wilcott Thumper); 4 E C Attrill, Goderich (Desford Marquis). Stallion, three years old—1 Bawden & McDonell (Royal Gauger). Stallion, two years old—1 J B Hogatz, Sarnia (Wryde-land's Chancellor); 2 P P S, Stone & Wellington, Ponthill (Ptham Loy); 3 John Gardhouse, Highfield (Pride of Morning). Yearling colt, entire—1 Morris, Stone & Wellington (Vulcan 2nd). Filly, three years old—1 Morris, Stone & Wellington (Leila). Filly, two years old—1 Morris, Stone & Wellington (Rose). Yearling, filly or gelding—1 Morris, Stone & Wellington (Birdie); 2 C S Gardhouse, Humber (Black Diamond). Brood mare, with foal of the same breed by her side—1 Bawden & McDonell (Nelly); 2 Morris, Stone & Wellington (Leta). Foal of 1901—1 Bawden & McDonell (Bachelor Boy); 2 Morris, Stone & Wellington (Lancashire Lass).

HEAVY DRAFT HORSES.—Canadian-bred only—Heavy draft stallion, four years old and upwards—1 J Henderson, Belton (Glen Lad); 2 T D Elliott, Bolton (Prince Edward); 3 D McPhaden, Cresswell (Craichmore). Stallion, three years old—1 H G Boag, Churchhill (General Bobs); 2 Dr John Watson, Howick, Que (Lawrence); 3 De Witt & Son, Freeman (Nickel Steed). Stallion, two years old—1 J W Cowie, Markham (Bay Chief); 2 O Sorby, Guelph; 3 Graham Bros, Claremont, Ont (Goldstone). Heavy draft gelding—1 P H Petrie, Stratford (Joe); 2 P H Petrie (Jack); 3 J W Linstead, Queensville. Filly, three years old—1 P H Petrie (Mag); 2 J W Cowie (Miss McFarlane); 3 Alex Doherty, Ellesmere (Glen Ina). Filly, two years old—1 Hodgkinson & Tisdale, Beaverton (Royal Clara); 2 O Sorby; 3 Geo Crawford, Oro Station (May Belle). Yearling filly or gelding—1 Geo Crawford (Roseola); 2 Hodgkinson & Tisdale (Royal Bell); 3 P H Petrie (Bessie). Brood mare, with foal of the same breed—1 Alex Doherty (Daisy Belle); 2 Bawden & McDonell, Exeter (Kate); 3 G Crawford (Moss Bank). Foal of 1901—1 Bawden & McDonell (Huron Boy); 2 Hodgkinson & Tisdale (Ellie Early); 3 Bawden & McDonell (Fanny). Mare, with two of her progeny—1 Alex Doherty (Daisy Belle).

HEAVY DRAFT TEAMS.—Span of heavy draft horses (geldings or mares), any breed—1 John Gardhouse, Highfield (Laura and Violet); 2 O Sorby, Guelph (Diana McKay and Sossie Lass); 3 Hodgkinson & Tisdale, Beaverton (Royal Princess and Belladonna); 4 P H Petrie, Stratford (Bruce and Wallace).

HORSES FOR GENERAL PURPOSES.—Mare or gelding, four years old and upwards—1 W N Scott, Milton; 2 C Head, Guelph (Hero); 3 Harrison & Reynolds, Oakville (Belle). Filly or gelding, three years old—1 and silver medal, J Mothersill, Altona (Polly); 2 Fuller Bros, Norval (Nettie); 3 Andrews Bros, Elm Bank (Prinny). Filly or gelding, two years old—1 B Dolson, Altona (Flo); 2 J H Ferguson (Queen). Yearling, filly or gelding—1 Fuller Bros (Fred). Brood mare with foal by her side—1 G Lawson, Brampton (Kate); 2 Fuller Bros (Hazel); 3 R Carter, Brampton (Tim). Foal of 1901—1 G N

Lawson; 2 R Carter, Brampton (Queenie).

EXPRESS HORSES.—Single horse, in harness, four years old and upwards (gelding or mare), suitable for express or delivery purposes—1 R Simpson Co, Ltd, Toronto; 2 A J Hale, Toronto (Frank H); 3 R Simpson Co, Ltd.

PONIES.—Stallion, fourteen hands and under—1 H M Robinson, Toronto (Duke of York); 2 F A Noden, Toronto (Tommy Atkins); 3 T S Hill, Toronto (Dandy). Pony, in single harness, eleven hands and under—1 Dr Colgan, St Catharines (Daisy); 2 C W Sydie, Orangeville (Prince). Pony in single harness, over eleven hands, up to twelve hands—1 J Garratt, Toronto (Queenie); 2 W H Nichols, Hamilton (Victoria); 3 W H Nichols (Maud). Pair of ponies in harness, twelve hands and under—1 C W Sydie (Bonnie and Nellie); 2 Dr C B Little, Stayner (Minnie and Dorsey); 3 C W Sydie (Logie and Jean). Pony in single harness, over twelve hands, up to thirteen hands—1 at Baker, Woodstock (Daisy); 2 Mrs W R Mead, Kingston Road (Dolly); 3 Mrs Clapp, Toronto (Dot). Pair of ponies in harness, over twelve hands, up to thirteen hands—1 J Walsh, Toronto (Queenie and Tony); 2 G H Gooderham, Toronto (Lady Constance and Lady Isabel); 3 P Maher, Toronto (Topsy and Daisy). Pony in single harness, over thirteen hands, up to fourteen hands—1 Graham Bros, Claremont (Lord Rattler); 2 C A Burns, Toronto; 3 R Beith, Bowmanville (Eva). Pair of ponies in harness, over thirteen hands, up to fourteen hands—1 F Maher, Toronto. Brood mare, under fourteen hands, with foal by her side—1 T S Hill, Toronto (Dolly); 2 H M Robinson, Toronto (Victoria).

HUNTERS AND SADDLE HORSES.—Saddle horse (gelding or mare), suitable for carrying from 150 up to 180 lbs—1 and silver medal, Geo Pepper, Toronto (Duke of York); 2 Crow & Murray, Toronto (Nightingale); 3 G A Case, Toronto (Quiller); 4 Geo Pepper (Harmony). Saddle horse (gelding or mare), suitable for carrying over 180 lbs—1 Geo Pepper (Rupert); 2 J G Wilson, Paris Station; 3 L Meredith, London (Lord Jim); 4 Geo Pepper (Hunter (heavy-weight), up to fifteen stone—1 Geo Pepper (Roseberry); 2 E Phillips, Toronto (Rujo); 3 Geo Pepper (Luciania); 4 L Meredith (Huron). Hunter (light-weight), up to eleven stone—1 Geo Pepper (Lord Minto); 2 Geo Pepper; 3 Geo Pepper (Myopia); 4 Ira Natrass, Millbrook (May Girl). Ladies' saddle horse—1 Geo Pepper (Queen); 2 Geo Pepper (Cardinal); 3 W B Fuller, Woodstock; 4 E C Boeckh, Toronto (Kaiser). Three-year-old filly or gelding, not Thoroughbred, but sired by a Thoroughbred horse, likely to make a good hunter or saddle horse—1 W N Tape, Bentpath; 2 J G Callaway, Garden (Lady Frances); 3 G T Ward, Woodhill (Buckles). Two-year-old gelding or filly, not Thoroughbred, but sired by a Thoroughbred horse, likely to make a good hunter or saddle horse—1 J W Arthurs, Brampton (Woodburn Chief); 2 W Laney, Altona. Horse (best leaper)—1 Geo Pepper (Pearl); 2 Geo Pepper (Myopia); 3 F D Parsons, Guelph (Simcoe); 4 Geo Pepper (Bard).

SPECIAL PRIZES FOR HUNTERS.—HIGH JUMPING.—Light-weight green hunters—1 Geo Pepper, Toronto (Cardinal); 2 Geo Pepper; 3 Geo Pepper (Lee Christie). Heavy-weight green hunters—1 Geo Pepper; 2 Geo Pepper (Bard); 3 G T Ward, Woodhill (Maudie). Light-weight qualified hunters—1 Geo Pepper (Pearl); 2 Geo Pepper (Myopia); 3 W Moorhouse, Toronto. Heavy-weight qualified hunters—1 Geo Pepper (Rupert); 2 Geo Pepper (Glenmore); 3 Geo Pepper (John Collins). Hunters showing best performance over five successive jumps, 4 ft 6 in, catch weights, minimum weight 140 lbs, in and out, various heights—1 Geo Pepper; 2 Geo Pepper (Roseberry); 3 Geo Pepper (Lord Minto). Special—Hunters showing best performance over six successive jumps, about 3 ft 6 in, carrying 160 lbs, ridden by owners (dealers excluded)—1 J & G Callaway, Marden (Lady Frances); 2 E Phillips, Toronto (Rujo); 3 Stafford Higgins, Toronto (Lady Ro-beau).

SPECIAL PRIZES FOR BAREBACK RIDING.—Bareback riding on horses which have never won public money in a race, owned and ridden by farmers or farmers' sons, residents of Canada, engaged exclusively in farming not less than fifty acres (prizes presented by Massey-Harris Co. Limited, Toronto)—1 T Lloyd-Jones & Son, Burford (Katie); 2 T Lloyd-Jones & Son (Windham); 3 G F Ward, Woodhill.

FOR BEST PERFORMANCE OF PROFESSIONAL COACHMAN IN LIVERY.—1 Jas Morton, Toronto; 2 H T Arno, Toronto; 3 F Harland, St Catharines.

FOR FOUR-IN-HAND.—Best four-in-hand team (mares or geldings)—1 Crow & Murray, Toronto; 2 Crow & Murray. TANDEMS.—For the best tandem of horses (mares or geldings), both owned by exhibitor, and turnout, style and skill in handling, etc.—1 Crow & Murray, Toronto (South Africa and British Lion); 2 Crow & Murray (His Majesty and The President); 3 G A Stinson, Toronto.

BEST AND BEST-APPOINTED GENTLEMEN'S PAIR TURNOUT.—DEALERS IN HORSES EXCLUDED.—Pair of mares or geldings, not under fifteen hands—1 J Ross Robertson, Toronto (Lady Glen and The Duchess); 2 G H Gooderham, Toronto (Always Ready and Just Ready); 3 G A Case, Toronto. (Continued on next page.)

TORONTO INDUSTRIAL PRIZE LIST

(continued). BEST AND BEST-APPOINTED GENTLEMEN'S PAIR TURNOUT-FOR DEALERS ONLY.—1 Crow & Murray, Toronto (Applause and Encore); 2 Crow & Murray, Toronto (The President and His Majesty); 3 Geo Pepper, Toronto (York and Mate).

BOY RIDERS.—Best boy rider, under fourteen years of age, on pony under fourteen hands; boys to be properly and neatly costumed.—W H Nichol, Hamilton (Victoria); 2 N Davies, Todmorden; 3 R Jenkins, Todmorden.

CHILDREN'S TURNOUT.—Pony, under thirteen hands, harnessed to two-wheeled cart, driven by girl or boy under fifteen years of age.—1 G H Gooderham, Toronto; 2 M Baker, Woodstock (Daisy); 3 G V Foster, Toronto (Puss); 4 W H Nichols, Hamilton; 5 J Garrett, Toronto (Queenie).

CATTLE.

SHORTHORNS.—Bull, four years old and upwards—1 and gold medal W D Platt, Hamilton (Valiant 25337); 2 W C Edwards & Co, Rockland, Ont (Gwen Allen 38892); 3 Hon Thos Greenway, Crystal City, Man (George Bruce 25507); 4 Bull, three years old and under four—1 W A Boland, Grass Lake, Mich (Deputy Marshal 3898); 2 W D Platt (Speculation 36119, imp); 3 J A Crerar, Shakespeare (Captain Mayfly 28858, imp); 4 Bull, two years old and under three—1 W D Platt (Lord Banff 36053, imp); 2 J A Somerville, Elder's Mills (First Choice 30932); 3 Hon Thos Greenway (Stittung Hero 7th 30892); 4 Bull, two years old and under two years—1 and gold medal W D Platt (Royal Wonder 34682); 2 W D Platt (Knight Errant 34309); 3 W C Edwards & Co (Marquis' Heir 34311); 4 Hon Thos Greenway (Ribbon's Choice 34694); 5 Bull, calved on or after Feb 1st, 1900—1 D Tabot & Son, Everton (Hilcrest Hero 38777); 2 Bull, calved before Feb 1st, 1901, and under one year—1 Jas Leask, Greenbank (Money-fuff Banner 38736); 2 W A Boland (Gay Marshal 38994); 3 J & W B Watt, Saleum (King Tom 38782); 4 W D Platt (Britannia's Duke 36232); 5 Goodfellow Bros, Macville (Shining Light 38920); 6 Bull, calved on or after Feb 1st, 1901—1 W C Edwards & Co (Red Archer, imp); 2 G D Fletcher, Binkham (Mysie's Prince 38885); 3 E Jeffs & Son, Bondhead (Duke of Roseberry 38842); 4 W C Edwards & Co (Marquis Again 38375); 5 Cow, four years old and over—1 W D Platt (Empress 12th 38045); 2 W A Boland (Lady Sharon 4th); 3 Hon Thos Greenway (Jenny Lind); 4 Cow, three years old and under four—1 and gold medal W D Platt (Cicely 38034, imp); 2 W D Platt (May Blossom 38077, imp); 3 J A Crerar (Gem of Ballechin 31174, imp); 4 Heifer, two years old and under three—1 W A Boland (Lady Sharon 6th); 2 W D Platt (Lady Waterloo B 2nd 38067, imp); 3 Hon Thos Greenway (Village Princess 37316); 4 W D Platt (Ascot Mayflower 38029, imp); 5 Heifer, calved before Feb 1st, 1900, and under two years—1 and gold medal W D Platt (Lady Hamilton 39639); 2 W A Boland (Snowball W); 3 J A Crerar (Gem of Ballechin 2nd 39276); 4 Goodfellow Bros (Golden Pansy 39821); 5 Hon Thos Greenway (Bright Light 38187, imp); 6 Heifer, calved on or after Feb 1st, 1900—1 J A Crerar (Rosabel 4th); 2 W C Edwards & Co (Pine Grove Countess 38015); 3 W C Edwards & Co (Scottish Rose 38023, imp); 4 E Jeffs & Son (Fairy Belle); 5 Heifer calf, calved before Feb 1st, 1901—1 W A Boland (Lady Sharon 8th); 2 W B Watt (Matchless 28th); 3 W D Platt (Fame's Matchless 39636); 4 W D Platt (Clover Hill Lorne); 5 Hon Thos Greenway (Lavender of Prairie Home); 6 Heifer calf, calved on or after Feb 1st, 1901—1 Hon Thos Greenway (Judge's Heiress); 2 W C Edwards & Co (Lily of Pine Grove 2nd); 3 G D Fletcher (Roan Missie); 4 E Jeffs & Son (Zora 41st); 5 Goodfellow Bros (Water Lily); 6 Four calves, bred and owned by exhibitor—1 J & W B Watt; 2 W C Edwards & Co; 3 Goodfellow Bros; 4 E Jeffs & Son. Best three animals, get of one bull, owned by exhibitor—1 W A Boland; 2 Hon Thos Greenway; 3 W C Edwards & Co. Bull and four females under two years, owned by exhibitor—1 W D Platt; 2 W C Edwards & Co; 3 Hon Thos Greenway. Herd of one bull and four females over one year, owned by exhibitor—1 and 3 W D Platt; 2 W A Boland.

HEREFORDS.—Bull, three years old and upwards—1 and silver medal H D Smith, Compton, Que (Mark Hanna 74230); 2 W W Black, Amherst, N S (Sir Horace 63688); 3 The F W Stone Stock Co, Guelph (Baronet 1292); 4 Bull, two years old—1 H D Smith (Prince Ingleside 2nd 93917); 2 W H Hunter, The Maples (Young Actor 94498); 3 Bull, one year old—1 The F W Stone Stock Co (Stone's Clarence 2nd 109049); 2 W W Black (Grover 1350); 3 W H Hunter (March On 2nd 1470); 4 Bull calf, under one year—1 W H Hunter (Captain Jack 1380); 2 W W Black (Bruce 122038); 3 The F W Stone Stock Co (Baronet's Pride 115602); 4 Cow, four years old and upwards—1 W W Black, Amherst, N S (Starlight 56723); 2 H D Smith (Sylvan 5th of Ingleside 63624); 3 W H Hunter (Belle of the Bull 1248); 4 Cow, three years old—1 H D Smith (Laura of Ingleside 83597); 2 The F W Stone Stock Co (Duchess of Moreton 2nd 83949); 3 Heifer, two years old—1 H D Smith (Rubella of Ingleside 93920); 2 H D Smith (Amy of Ingleside 93920); 3 W W Black (Lilly Horace 1305); 4 Heifer, one year old—1 and silver medal H D Smith (Downton Ingleside 2nd 124050); 2 H D Smith (Frivolity 2nd of Ingleside 102704); 3 H D Smith (Roseleaf 2nd of Ingleside 114400); 4 Heifer calf, under one year—1 W W Black (Stella 122040); 2 W W Black (Lady Horace 1867); 3 H D Smith (Frivolity 3rd of Ingleside 124051); 4 Heifer, consisting of one bull and four females over one year old, owned by the exhibitor—1 H D Smith; 2 W W Black; 3 H D Smith.

POLLED ANGUS.—Bull, three years old and upwards—1 and silver medal J Bowhan, Guelph (Kyma's Heir 24835); 2 W Hall, Washington (Laird of Tweed, hill 29486); 3 W Hall (Scots 45212); 4 Bull, two years old—1 F W Phillips, Oakville (Black Warrior 36920); 2 W Stewart & Son, Lucasville (Hopon of Willow Grove 32917); 3 Bull, one year old—1 J Bowman (Maple Grange King); 2 W Hall (Kitchener 38934); 3 W Stewart & Son (McCormick of W G 44973); 4 Bull calf, under one year—1 J Bowman (Elm Park Laird 4th); 2 W Hall (Parker 45811); 3 F W Phillips (Crawford of Walborough 40409); 4 Cow, four years old and upwards—1 W Hall (Newtona 2nd 26439); 2 W Hall (Lady Gladstone 39362); 3 W Stewart & Son (Lady Bell 15876); 4 Cow, three years old—1 W Hall (Newtona's Promise 29662); 2 J Bowman (Elm Park Belle 2nd 30210); 3 W Stewart & Son (Emlyn's Rose 32118); 4 Heifer, two years old—1 W Hall (Newtona 3rd 33690); 2 W Hall (Maple Bank Newtona 33690); 3 J Bowman (Elm Park Belle 3rd 34620); 4 Heifer, one year old—1 W Hall (Newtona 4th 38932); 2 Jas Bowman (Kyma 10th 38850); 3 W Hall (Flora 3rd 38933); 4 Heifer calf, under one year—1 J Bowman (Elm Park Kyma 11th 45947); 2 J Bowman (Elm Park Mayflower 3rd 45948); 3 W Stewart & Son (Lady Emlyn 2nd of W G 44672); 4 Heifer, consisting of one bull and four females over one year old, owned by the exhibitor—1 W Hall; 2 J Bowman; 3 W Hall.

GALLOWAYS.—Bull, three years old and upwards—1 and silver medal D McCrae, Guelph (Cedric 4th 6468); 2 T Lloyd-Jones & Sons, Burford (College Gambler 12808); 3 D McCrae (Viceroy 7062); 4 Bull, two years old—1 D McCrae (Johnny Faa 7328); 2 A M & R Shaw, Brantford (Sir Arthur X 15045); 3 Bull, one year old—1 D McCrae (King of Maples 15871); 2 D McCrae (Victory 8100); 3 J Sibbald, Annan (General Methuen 1st 15963); 4 Bull calf, under one year—1 D McCrae (Simpson 18495); 2 D McCrae (The Duke 18492); 3 A M & R Shaw (Rosby 18980); 4 Cow, four years old and upwards—1 and silver medal D McCrae (Jewel 15464); 2 A M & R Shaw (Jim 3rd of Drumlanrig 9187); 3 D McCrae (Maid Minnie 12959); 4 Cow, three years old—1 D McCrae (Belle 12th 15539); 2 D McCrae (Adella of Wentworth 13974); 3 A M Shaw (Minnie May of High Park 14240); 4 Heifer, two years old—1 D McCrae (Nellie 11th 15560); 2 J Sibbald (Maid of the Snowdrops 15966); 3 A M & R Shaw (Flora McErim 2nd 15040); 4 Heifer, one year old—1 D McCrae (Lady Harden 4th 16448); 2 A M & R Shaw (Belle B 2nd 16890); 3 T Lloyd-Jones & Sons (Dunn of the Oaks 17390); 4 Heifer calf, under one year—1 D McCrae (Clemmie 18489); 2 J Sibbald (Prinxia); 3 A M & R Shaw (Winsome Charities 18978); 4 Heifer, consisting of one bull and four females over one year old, owned by the exhibitor—1 and 2 D McCrae; 3 A M & R Shaw.

FAT CATTLE, ANY BREED.—Fat steer, two years old and under three—1 Israel Groff, Alma (Crimson Dewey); 2 W W Black, Amherst, N S (Robey); 3 Jas Leask, Greenbank; 4 Fat steer, one year old and under two—1 Israel Groff (Young Sailor); 2 J Leask; 3 A Hales, Guelph (Jumbo); 4 Fat steer calf, under one year old—1 Jas Leask; 2 Fat cow or heifer, four years old and over—1 A B Baxter, Hamilton; 2 J Bowman (Miss Canada); 3 Goodfellow Bros, Macville; 4 Fat heifer, under four years old—1 Jas Leask; 2 Goodfellow Bros; 3 E Jeffs & Son, Bond Head (Pelican); 5 Pair of fat cattle, of any age, neither of which is entered in any other class—1 Jas Leask; 2 Jas Rennie, Wick.

GRADE CATTLE.—Grade cow, four years old and upwards—1 and silver medal J Leask, Greenbank; 2 N S Goodison, Summerville; 3 Cow, three years old—1 J Leask; 2 N S Goodison; 4 Heifer, one year old—1 J Leask; 2 The F W Stone Stock Co, Guelph; 3 Heifer calf, under one year—1 J Leask; 2 J Rennie, Wick; 3 J Leask; 4 Females, over one year old, the property of the exhibitor, and not entered in any other class—1 J Leask.

AYRSHIRES.—Bull, three years old and upwards—1 and silver medal R Reford, St Anne de Bellevue, Que (Lord Dudley of Drummond 12293, imp); 2 W Ogilvie & Co, Lachine Rapids, Que (Douglasdale of Dam of Aber 3954); 3 R R Ness, Howick, Que (Duke Clarence of Barcheskie 4168, imp); 4 R B Angus, Sennville, Que (The Don 8855); 5 Bull, two years old—1 Wm Stewart & Son, Menie (Hover-a-Blink 9806); 2 Ogilvie & Co (Black Prince of Whitehill 12208, imp); 3 R Reford (Defender of Ste Annes 9998); 4 A Hume & Co, Menie (White Cockade 10492); 5 Bull, one year old—1 J G Clark, Ottawa (General White 12910); 2 R Reford (Royal Peter of Ste Anne's 13110, imp in dam); 3 R R Ness (Lord Minto of Burnside 11744); 4 McCormack & Sons, Rockton (Royal Salute 12061); 5 Bull calf, under one year—1 R S Brooks, Brantford (Beauty Style's Heir 11204); 2 Ogilvie & Co (Conrad's Last of Glenora 12474); 3 W Stewart & Son (Laird of Ingleside 12750); 4 J G Clark (Marquis of Woodroffe 12215); 5 Bull calf, calved after 1st Feb, 1901—1 R Reford (Dunraven of Ste Anne's); 2 Hume & Co (Bold Boy); 3 J G Clark; 4 R Reford (Glen Allan of Ste

Anne's); 5 Cow, four years old and upwards—1 and silver medal W W Ogilvie & Co (White Rose of Barmoorhill 12227); 2 R Reford (Snowdrift of Barcheskie 12291); 3 W W Ogilvie & Co (Randy Lass of Nether Craig 12211); 4 R Reford (Snowdrift 1st of Fairfield Mains 12283); 5 Cow, three years old—1 W Stewart & Son (May Miteh, 9237); 2 R Reford (Bluebell 27 of Hill-house 12287, imp); 3 R R Ness (Miss Scottie of B 13469); 4 R R Ness (Lady Spottie of B 9071); 5 Heifer, two years old—1 R Reford (Lady Grace of Ste Anne's 11729); 2 R Reford (Nelly Osborne 3rd of Ste Anne's 100010); 3 R R Ness (Lady Harcourt 13466); 4 W W Ogilvie (Stately 9th of Muir 12221, 13391, imp); 5 Heifer, one year old, in milk—1 J G Clark; 2 W E H Massey, Toronto (Malvern Maid 12118); 3 Heifer, one year old, out of milk—1 R R Ness (Lady Bruce 12087); 2 W W Ogilvie (Glenora Stately 11425); 3 R Reford (Princess of Ste Anne's 11741); 4 W W Ogilvie (Glenora Ayrshire Lassie 11419); 5 Heifer calf, under one year old—1 W W Ogilvie (Lady Beatrice of Glenora 13485); 2 R R Ness (Marguerite of Burnside 13468); 3 W W Ogilvie (Bright Lady of Glenora 13482); 4 R Reford (Princess of Ste Anne's 13138); 5 Heifer calf, calved after Feb 1st, 1901—1 A Hume & Co, Menie (The Gipsy of Menie 13656); 2 R R Ness (Lady Pearl of Burnside 13467); 3 J G Clark (Bud of Woodroffe 13268); 4 W E H Massey (Silver Mag of Denonia 13665); 5 Four animals, the progeny of one bull, all bred and owned by the exhibitor—1 and 4 R R Ness; 2 R Reford; 3 W W Ogilvie Co. Herd, consisting of one bull and three heifers under two years old, the heifers to have been bred by the exhibitor, and all to be owned by him—1 R R Ness; 2 W W Ogilvie & Co; 3 R Reford; 4 J G Clark; 5 Heifer, consisting of one bull any age, two females over three years old, one female over two and under three, one female over one and under two, and one female under one year, all owned by the exhibitor—1 R Reford; 2 W W Ogilvie Co; 3 R R Ness; 4 W W Ogilvie Co.

JERSEYS.—Bull, three years old and upwards—1 B H Bull & Son, Brampton (Bim G Dentonia 52011); 2 Wm G Laidlaw, Wilton (Prince Frank's Son); 3 R Davies, Toronto (Distinction's Golden 48828); 4 L B Davidson, Newcastle (Sir Wilfrid O'Newcastle 52193); 5 Bull, two years old—1 and silver medal W E H Massey, Toronto (Island Lad of Dentonia); 2 Robt Davies (Silence Owl); 3 E H Carter, Riverdale Park (Distinction's St Heiler 58755); 4 Bull, one year old—1 W E H Massey (He's a Daisy of D P F); 2 B H Bull & Son (Brampton Hugo 59832); 3 W G Laidlaw (Gold Ring's Hero 60826); 4 Bull calf, under one year—1 B H Bull & Son (Brampton Kaiser); 2 B H Bull & Son (Brampton Heir); 3 B H Bull & Son (Brampton Hero); 4 Robt Davies (Golden Badge); 5 Bull calf, calved after 1st Feb, 1901—1 B H Bull & Son (Brampton Gold Prince); 2 Robt Davies (Choice Goods); 3 W G Laidlaw (Rose's Comet 60828); 4 W E H Massey (Crim of Dentonia); 5 Cow, four years old and upwards—1 and silver medal W E H Massey (Wilton Queen 86141); 2 R J Fleming, Toronto (Pancy Maid 136245, imp); 3 W E H Massey (Sensation of Dentonia 134368); 4 B H Bull & Son (Brampton Gold Prince 132219); 5 Cow, three years old—1 B H Bull & Son (Mermaid of Brampton 152886); 2 B H Bull & Son (Floriant's Pansy 136302); 3 R Davies (Patience of Prospect 134318); 4 R Davies (Consuelo of Prospect 134319); 5 Heifer, two years old—1 Robt Davies (Beautiful Bella 150429); 2 R Davies (Distinction's Belle 150431); 3 B H Bull & Son (Brampton's Princess Flo 155302); 4 R Davies (Miss Bobs 152834); 5 Heifer, one year old, in milk—1 B H Bull & Son (Golden Gem of Brampton); 2 R Davies (Ribbon's Heiress 151423); 3 R Davies (Lucy of Thorncliffe 150430); 4 Heifer, one year old, out of milk—1 W E H Massey (Cream-for-Sure of D P F 15297); 2 B H Bull & Son (Brampton's Beauty); 3 W E H Massey (Cypser of Dentonia 152978); 4 R Davies (Silent 4th); 5 Heifer calf, under one year old—1 W E H Massey (Lordella of Dentonia); 2 B H Bull & Son (Brampton Golden Pride); 3 E H Carter, Riverdale Park (Daisy of Riverdale); 4 W G Laidlaw (Kitty's Milkmaid 160384); 5 Heifer calf, calved after the 1st Feb, 1901—1 W E H Massey (Patricia of Dentonia); 2 B H Bull & Son (Brampton Rose); 3 R Davies; 4 B H Bull & Son (Brampton Primrose); 5 Four animals, the progeny of one bull, all bred and owned by the exhibitor—1 W E H Massey; 2 Robert Davies; 3 Bull & Son; 4 Heifer, consisting of one bull and three heifers under two years old, the heifers to have been bred by the exhibitor, and all to be owned by him—1 W E H Massey; 2 B H Bull & Son; 3 Bull & Son; 4 Heifer, consisting of one bull any age, two females over three years old, one female over two and under three, one female over one and under two, and one female under one year, all owned by the exhibitor—1 and 4 W E H Massey; 2 B H Bull & Son; 3 Robert Davies.

GUERNSEYS.—Bull, three years old and upwards—1 Soapstone Farm, Haverford, Pa (Cavaport 4320); 2 Bull, two years old—1 Soapstone Farm (Huntington 6040); 3 Bull, one year old—1 and silver medal W E H Massey, Toronto (Island Heirloom of Dentonia 7324); 2 Soapstone Farm (Prince George 6579); 3 Bull calf, under one year—1 Soapstone Farm (Clovis); 2 Soapstone Farm (Corpo); 3 W E H Massey (Dentonia's Defender 7325); 4 Cow, four years old and upwards—1 and silver medal W E H Massey (Jessie of Dentonia 43849); 2 W E H Massey (May Rose of Dentonia 43853); 3 W E H Massey (Island Lady of Dentonia 43847); 4 Cow, three

years old—1 Soapstone Farm (Moverina 9818); 2 Heifer, two years old—1 Soapstone Farm (Delhi 11942); 2 W E H Massey (Luxetta of Dentonia 13851); 3 Soapstone Farm (Chota 12062); 4 Heifer, one year old—1 Soapstone Farm (Florodora 13856); 2 Soapstone Farm (Janice 12509); 3 Soapstone Farm (Manganita 12512); 4 Heifer calf, under one year—1 Soapstone Farm (Caporetta); 2 W E H Massey (English Lady of Dentonia 13856); 3 Heifer calf, calved after 1st Feb, 1901—1 W E H Massey (Quarantina of Dentonia 13860); 2 Soapstone Farm (Gladwynia); 3 W E H Massey (Dentonia's First Joy 13859); 4 Heifer, consisting of one bull and four females over one year old, owned by exhibitor—1 W E H Massey; 2 Soapstone Farm.

HOLSTEINS.—Bull, three years old and upwards—1 and silver medal G W Clemons, St George (Count Mink Mercedes 221); 2 A C Hallman, New Dundee (Judge Akkrum De Kol 3rd 1765); 3 Rettie Bros, Norwich (Sir Abbecker Posch 1244); 4 Bull, two years old—1 W W Brown, Lyn (Emperor Joseph 1641); 2 G Rice (Count Calamity Clay 26157); 3 C J Gilroy & Son, Glen Powell (Gillyflower's Paul De Kol 1604); 4 Bull, one year old—1 Rettie Bros (Schuling De Kol 1832); 2 G W Clemons (Helbon Wayne 1781); 3 Rettie Bros (Sam Schuling 1868); 4 G Rice (Calamity Jane's Paul De Kol 27631); 5 Bull calf, under one year—1 A C Hallman (Acme's Jewel P De Kol); 2 W G Clemons (King of Maple Hill 1990); 3 A C Hallman (Hester De Kol); 4 W W Brown (Sir Wilfrid De Kol 2118); 5 Bull calf, calved after 1st Feb, 1901—1 Rettie Bros (Sir Pietertje Acme 2400); 2 G W Clemons (Sir Henry Irving 2111); 3 C J Gilroy & Son (Lizzie Silver Prince); 4 C J Gilroy & Son (Huckleberry's Sylvia Prince 2114); 5 Cow, four years old and upwards—1 and silver medal, Geo Rice (Josco Pride 26596); 2 Rettie Bros (Artis Peer's Poem 1300); 3 C J Gilroy & Son (Carmen Sylvia 306); 4 W W Brown (Pietertje Wietske 3237); 5 Cow, three years old—1 Geo Rice (Jewel Sylvia 1055); 2 Geo Rice (Modest Lady 2787); 3 G W Clemons (Daisy Soldene Clothier 2563); 4 Rettie Bros (Artis Mink Mercedes 1942); 5 Heifer, two years old—1 Geo Rice (Pauline Pietertje Clothier 49453); 2 Rettie Bros (Anthe Jewel Mechtelde 2708); 3 Geo Rice (Victoria Teaks 2871); 4 G W Clemons (Queen De Kol 2521); 5 Heifer, one year old, in milk—1 Rettie Bros (Jemima Worthemall 2710); 2 W W Brown (Pietertje Abbecker 2568); 3 C J Gilroy & Son (Inka De Kol 2878); 4 Geo Rice (Calamity Jane's Duchess 51307); 5 Heifer, one year old, out of milk—1 G W Clemons (Princess Pledge De Kol 2156); 2 W W Brown (Carbon De Kol 1068); 3 A C Hallman (Abbey De Kol 3136); 4 Rettie Bros (Cornelia Schuling 2713); 5 Heifer calf, under one year—1 Rettie Bros (Aaltje Pietertje Posch 3190); 2 G W Clemons (Julia Arthur 3286); 3 A C Hallman (Princess Margaret 2nd De Kol); 4 G W Clemons (Helen Modjeska 3288); 5 Heifer calf, calved 1st Feb, 1901—1 A C Hallman (Gullmette De Kol); 2 Rettie Bros (Merceda 4th 3193); 3 C J Gilroy & Son (Sherwood Daisy 2nd 3290); 4 Rettie Bros (Queen Posch 3191); 5 Four animals, the progeny of one bull, all bred and owned by the exhibitor—1 A C Hallman; 2 G W Clemons; 3 Rettie Bros; 4 C J Gilroy & Son.

JUDGING DAIRY CATTLE.—Dairy Cattle.—The best judging of dairy cattle, restricted to farmers, or farmers' sons, not over 25 years of age, resident in Canada—1 Jas Ferguson, Guelph; 2 B C Gilpin, Maple Lodge; 3 R H Henderson, Rockton; 4 R H Williams, O A C, Guelph; 5 F S Jacobs, O A C, Guelph.

CATTLE.—The best judging of beef cattle (same conditions as for dairy cattle)—1 A H Crerar, Molesworth; 2 T A Russell, Toronto; 3 F S Jacobs; 4 I I Devitt, Freeman.

FRENCH-CANADIAN CATTLE.—Bull, three years old and upwards—1 and silver medal, Arsene Denis, St Norbert, Que (Prince Elegant 374); 2 C E Colburn, Portlandville, N Y (Barbet 111); 3 J Dugas & Co, St Jacques, Que (A de Repentigny 565); 4 Bull, two years old—1 Arsene Denis (Denis Legs 1170); 2 J Dugas & Co (Brutus le Jeune 1133); 3 L Thoiny, Repentigny, Que (Captain Repentigny 1260); 4 Bull, one year old—1 C E Colburn (Ned C 109); 2 Arsene Denis (Denis Berez 1272); 3 J Dugas & Co (Corbet 1229); 4 Bull calf, under one year—1 L Sylvestre, St Theodore d'Acton, Que (Beau d'Upton 2nd 1339); 2 L Thoiny (Faro Thoiny 1331); 3 Arsene Denis (Denis Boer 1265); 4 Cow, four years old and upwards—1 C E Colburn (Denis Flower 459); 2 J Dugas & Co (29th de Montcalm 2378); 3 C E Colburn (Laport 2nd 457); 4 Cow, three years old—1 and silver medal, C E Colburn (April Blossom 476); 2 Arsene Denis (Denis 60 5662); 3 L Thoiny; 4 Heifer, two years old—1 Arsene Denis (Denis 62 5664); 2 L Thoiny (Lis-a-le R 5632); 3 C E Colburn (Lady Clare 484); 4 Heifer, one year old—1 Arsene Denis (Denis 59 5661); 2 C E Colburn (Polly C 496); 3 Dugas & Co (Rosette C 5964); 4 Heifer calf, under one year—1 J Dugas & Co (Baby 2nd 5965); 2 L Sylvestre (Reine 3rd 5800); 3 Arsene Denis (Denise Luise 5811); 4 Heifer calf, calved after Feb 1st, 1901—1 C E Colburn (Anna C 501); 2 Arsene Denis (Denise); 3 J Dugas & Co (Luna 5982); 4 Heifer, consisting of one bull, and four females over one year old, owned by exhibitor—1 Arsene Denis; 2 C E Colburn.

Toronto sheep and swine prize list and "Gossip," unavoidably rounded out, will appear in October 1st issue.

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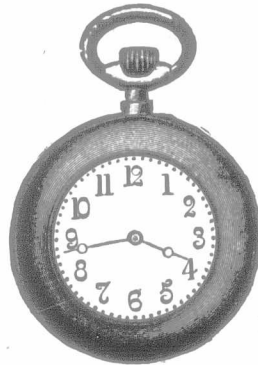
Nos. 19, 20 and 21 are small sized; in fact, are the exact size of cut. These are American Watches, O. F. stem wind, and push-in stem and turn to set hands, and are first-class timekeepers. Will give perfect satisfaction.

If a nice leather wrist case is desired with these watches, send two extra subscribers.

Nos. 22, 23, 24 and 25 are similar to the accompanying cut. These are regular Ladies' Hunting Watches. Nos. 22 and 24 are fitted in 20-year guaranteed Gold Filled cases, nicely ornamented, or to be had in plain or plain engine turned, and the same applies to Nos. 23 and 25, excepting that they are fitted in 25-year guaranteed Gold Filled cases, and 14k Gold Filled; 22 and 23 are fitted with 7-Jeweled Nickel, first-quality Elgin movements. Nos. 24 and 25 are fitted with 15-Jeweled Nickel, first-quality Elgin movements.

When making your choice of Watch as premium, be sure to mention its number as given in premium list, also whether Lady's or Gent's.

THE WILLIAM WELD CO., LTD., LONDON, ONT.



# Valuable Premiums!

These very liberal premiums are given our subscribers for sending us  
**NEW SUBSCRIBERS,**  
accompanied with the cash.



No subscription must be taken at a less rate than

**\$1.00 PER YEAR.**

EVERY farmer who reads the FARMER'S ADVOCATE is benefited many times the subscription price. No better time than now to get new names.

## THE BIG FOUR.

GREAT PREMIUM PICTURE OFFER.

For obtaining new subscribers to the "Farmer's Advocate" at \$1.00 per year.

**"Canada's Ideal"**—Admitted by judges, breeders and artists to be the most magnificent engraving of high-class modern Shorthorns ever issued in any country. 24 x 36 inches. Twelve animals.

**"Canada's Pride"**—Nine celebrated draft horses.

**"Canada's Glory"**—Eleven celebrated light horses.

**"Canada's Columbian Victors"**—13 celebrated Ayrshire cattle.

Your choice of any one of the above for ONE new subscriber, or all four beautiful pictures for only three new subscribers.

## Bagster's NEW COMPREHENSIVE Teacher's Bible,

Containing the Old and New Testaments, according to the authorized version, together with new and revised helps to Bible study—a new Concordance and an indexed Bible Atlas, with SIXTEEN FULL-PAGE ILLUSTRATIONS, PRINTED IN GOLD AND COLOR.

HOW TO OBTAIN IT—

Would retail at from \$3 to \$4. We will send (carefully packed, post prepaid) this Bible to anyone sending us the names of TWO NEW SUBSCRIBERS to the FARMER'S ADVOCATE at \$1.00 each.

Handsome Curb-link Silver Bracelet with Padlock and Key.



For 2 new subscribers. For each additional new subscriber, two Sterling Silver Friendship Hearts.

Write for a sample copy of the Farmer's Advocate, and begin to work for these premiums right away. In every case cash must accompany the new names.

**The Wm. Weld Co., Ltd., London, Ont.**

## "The Grange Farm" for Sale.

AN IDEAL GENTLEMAN'S RESIDENCE.

It consists of 115 acres, situate half mile north of town of Hespeler, 7 from Galt, and 8 from City of Guelph—all good markets.

80 acres are under a high state of cultivation; 16 acres of hardwood bush; 19 acres cedar swamp.

Buildings all comparatively new and in first-class shape. Consist of white brick residence—twenty rooms; bath room; excellent cellars. Heated by hot air. Lighted by electricity.

Red brick, 9-room dwelling; good cellar.

Bank barn, 50x70; horse stable, 30x50; pigpen, 18x20; henhouse, 18x20; ice house, and workshop.

There are four wells on the place, and the fences are in good repair.

There are 10 acres in orchards and garden.

In orchard are 180 Northern Spy, 10 R. I. Greening, 20 Russet, 10 Duchess of Oldenburg, 10 Snow, 10 Wealthy, 10 St. Lawrence; 10 Ontario, and a number of other varieties. About fifty each of pear and plum, 25 cherry, about 40 choice grapevines, and several varieties of raspberry and currant bushes.

For further particulars and terms apply to

J. R. PHIN or A. J. BREWSTER, or GEO. B. PHIN, or W. E. PHIN, Esq.,  
Hespeler. On the Premises. 59 Sussex St., Toronto.

GREAT DISPERSION SALE

## AYRSHIRES,

OCTOBER 23, 1901.

We will offer our herd of over fifty Ayrshires at public auction, at our farm, two miles east of Rockton, twelve miles from Galt, seven miles from Dundas, the macadamized road from Dundas to Galt crossing the farm. Trains will be at Copetown station on the Grand Trunk Railway the morning of the sale, to convey intending buyers to the farm. Sale to start at 12 o'clock sharp.

TERMS:—Fifty dollars and under, cash; over that amount, 11 months' credit on approved joint notes. Six per cent, per annum off for cash on all sums entitled to credit. Catalogues ready after Oct. 1st, and will be mailed on application.

THOS. INGRAM,  
Auctioneer, GUELPH.

JAMES McCORMACK & SON,  
ROCKTON, ONTARIO.

## "Post" Fountain Pen

SOMETHING THAT EVERY MAN, WOMAN,  
BOY AND GIRL NEEDS.

It is a wonderful tribute

to the greatest invention in fountain-pen construction of the age.

THE PRICE OF THE POST IS \$3.00. IT CANNOT BE PURCHASED UNDER THIS PRICE ANYWHERE.

The patentee has a hard-and-fast agreement with the trade and agents that \$3 shall be the lowest retail price. By a special agreement we are in a position to make

**A Great Offer:** We will send one of these pens to anyone who sends us three new subscribers, accompanied by \$3.00 in cash.



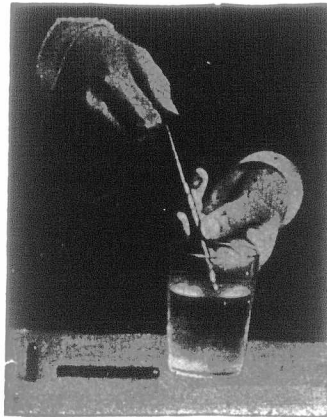
General Lew Wallace, the author of the greatest book of the age, "Ben Hur," also "Prince of India," "Commodus," etc., says in a letter in his own handwriting:

"The fountain pen, Post, was received, and I have taken the liberty of trying it thoroughly. Please accept the excuse for failure to acknowledge sooner.

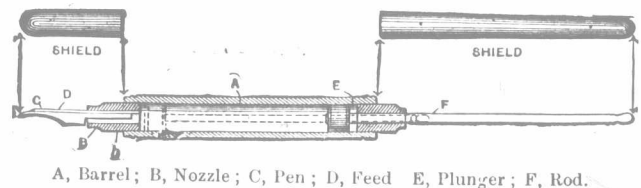
"I have tried every pen of the kind on the market, and now unhesitatingly give the preference to the Post. It not only feeds itself with less care, but has the immeasurable advantage of re-supply without inking the fingers. I do all my work with it."

*Lew Wallace.*

TO show our confidence in this pen, we will send you one on trial for a week upon receipt of \$1.00, which, if not entirely satisfactory, you can return to us and we will refund you the \$1.00 paid us. If satisfactory, you must send us the names and addresses of the three new subscribers and \$2.00 additional cash.



THE only self-filling and self-cleaning pen manufactured in the world. To fill the pen, put the nib in ink and draw the piston rod up. To clean, put the nib in water and draw the piston rod backwards and forwards a few times.



A, Barrel; B, Nozzle; C, Pen; D, Feed; E, Plunger; F, Rod.



The world's greatest singing evangelist, who has thrilled thousands and tens of thousands, now raises his voice in praise of the Post Fountain Pen.

Mr. Sankey sends the following characteristic letter: "I have used the Post pen for some time, and have had great satisfaction with its use. It never fails or gets cranky. One can at least have clean hands by using the Post, whatever the heart may be."

*Frank Sankey.*

ADDRESS—

**The Wm. Weld Co., Ltd., London, Ont.**

**Clydesdales--Hackneys.**



QUEEN.

A Few Choice Yearlings of Either Breed can be spared.

**O. SORBY,**  
GUELPH, ONT.

AUCTION SALE

SHORTHORNS, FARM STOCK AND IMPLEMENTS, ETC.

J. A. Marshall, of lot 3, con. 3, block 4, Township of Binbrook, having leased his farm for a term of years, will sell by public auction his entire herd of Shorthorns, on October 15th, 1901, consisting of cows, heifers, heifer calves, bull calves, and two fine yearling bulls: 17 head in all. For further particulars, write

J. A. MARSHALL,  
BINBROOK, ONT.

50 CHOICE RAM LAMBS  
10 shearing rams by imported sires.  
Write for prices.

Thos. Lloyd-Jones & Sons, Burford, Ont.

**GOSSIP.**

Messrs. Thos. Lloyd-Jones & Sons, whose advertisement appears in this issue, report that their pens were very successful at Toronto fair this year; also several important sales were made.

HENRY ARKELL & SONS' FLOCK OF OXFORDS

Henry Arkell & Sons, whose farm is situated about 2 1/2 miles north-east of Teeswater, are well known as breeders of high-class Oxford Down sheep. Mr. Arkell, who is an Oxford man by birth, has been associated with this popular breed all his life, and being a sheep fancier from boyhood up, Canada has no more critical judge. Fifteen years ago his flock was founded on imported animals selected with great care, and during all the years the additions to the flock have been made with that same degree of care and keen judgment that characterized the first purchases. Nothing but superior imported sires have been used on the flock, and the 200-odd head to be seen on the farm to-day are certainly a splendid lot of big, square, well-covered sheep. The first-prize ram and first-prize ewe lambs at Winnipeg this year were bred in this flock. The sales this year have been heavy, and have come from all over the States and Canada. Among recent sales are: J. C. Mills, of Minnesota, 20 shearing rams and 10 shearing ewes; to a Mr. Shearer, of Michigan, 1 shearing ram; J. V. Cooper, of Victoria, Ont., 1 shearing ram; Henry Arkell, of Guelph, 8 ram lambs, 4 ewe lambs; Mr. Lane, of Prince Edward Island, 1 ewe lamb. And there are still a large number left, of both sexes, which may be secured.

PETER ARKELL & SONS' OXFORD DOWNS.

"Summerhill Oxfords" have become a household word among breeders of that popular breed of sheep all over America. Peter Arkell & Sons, of Teeswater P. O. and R. R. station, the owners of that famous flock, have been importing and breeding for 21 years. The flock was founded by Mr. Arkell himself, who, being a critical judge, purchased the best procurable. Since then, almost yearly, fresh importations have been made in order to maintain the highest standard of excellence in the flock. The sires used have all been imported. As proof of the quality of the sheep in this flock, it is only necessary to mention that this is the flock that won the only gold medal ever offered for Oxfords in Canada. Also representatives of this same flock won at the World's Fair in Chicago over \$600 in prizes, and have taken the cake at all the principal fairs in the Dominion for the last 20 years. Among the recent sales made by the Messrs. Arkell were 125 shearing rams, that went to the Northwest Territories; 6 shearing ewes and 1 shearing ram to Robert Wharton, of Springfield, Ohio. Former representatives of this flock are to be found in almost every State of the Union, and in all the Canadian Provinces. At present there are a large number of both sexes of this season's crop to be disposed of, also a number of shearing ewes.

**GOSSIP.**

In the advertisement of Mr. Edwin Hersee, Woodstock, Ont., that appeared in our September 1st number, concerning the latest date for receiving testimonials from users of his insect killer, it should have read January 1, 1902, not 1901.

Before leaving for Toronto Industrial, John Campbell shipped out home-fitted show sheep to Wisconsin, Indiana, Vermont, and Nova Scotia, and field breeding lots to Ontario and Michigan. He reports the early trade the best in his twenty years with the Shropshires.

SHEEP BREEDERS ARRANGE MODEL CLASSIFICATION.

The committee from the Dominion Sheep Breeders' Association, appointed to prepare model classifications for sheep at the fall fairs, met in the live-stock tent on the Exhibition grounds, Toronto, on Thursday morning, September 5th. The following classification was recommended:

- Section 1.—Ram, two shears and over.
- 2.—Shearling ram.
- 3.—Ram lamb.
- 4.—Shearling ewe.
- 5.—Ewe lamb.
- Section 6.—Pen—Ram lamb and three ewe lambs, all bred by exhibitor.
- Section 7.—Pen—Ram any age, two shearling ewes, and two ewe lambs.
- Section 8.—Pen—Canadian bred, not to be shown in section 7.—Ram any age, two shearling ewes, two ewe lambs, bred and owned by exhibitor.

It was also recommended that the above classification be used by county and township fairs as far as the money at the disposal of these fairs would permit.

**NOTICES.**

THE EMPLOYEES AND FRIENDS of the Ontario Wind Engine & Pump Co., to the number of over 200, held their annual picnic and games on Saturday, the 24 inst., at Bonds Lake, 20 miles north of Toronto, where a most enjoyable time was spent.

McCormick Binder Twine.—The McCormick Harvesting Machine Company, of Chicago, have issued a beautiful little brochure illustrating their new binder-twine mills, for which the ground was broken on May 31st, 1899, and as at present in operation providing capacity for running no less than 1,000 spindles, with a total of 4,200 horse power. A fine series of photo-engravings illustrate the works, machinery employed and processes of manufacture from first to last, beginning with views of the collection by natives of the raw material, manilla and sisal fiber, in the far-off isles of the Pacific, right down until the finished twine is ready for shipment to the harvest fields of the world. It is an attractive volume, in keeping with the great enterprise which it describes.

**Meeting of Directors of Poultry Association.**

A meeting of the Directors of the Ontario Poultry Association was held in the Farmers' Institute tent, at the grounds of the Toronto Industrial, on Thursday, September 5th, at 2 p. m., President A. W. Tyson in the chair.

An offer was made by the Turkey Club that they would add a fourth and fifth prize to the prizes for turkeys, provided James Anderson, of Guelph, was appointed judge and that sufficient cooping be provided to allow the turkeys to be cooped separately. This offer was accepted by the Directors. It was also decided that before the entries on turkeys are accepted, a statement must be given by the exhibitor, giving information as to how his exhibits have been bred and fed.

Moved by Wm. McNeil, and seconded, that 50 cents be added to Toulouse and Bremen geese, making the prizes \$3.50, \$2.50, and \$1.50. Carried.

Moved by Wm. McNeil, seconded by J. W. Kedwell, that in sections where there are 20 or more entries, the prizes will be \$4, \$3, \$2, \$1, and 50 cents. Carried.

Moved by Wm. McNeil, seconded by James Ramsey, that in the class for Belgian hares the males and females be shown separately. Carried.

Moved by W. R. Graham, seconded by W. J. Bell, that money prizes won on dressed poultry be withheld until a statement has been received giving information as to how the exhibits have been fed. Carried.

The following judges were appointed, on motion of Wm. McNeil and Allan Bogue: S. Butterfield, London; C. H. Smelt, Woodstock; L. Jarvis, Montreal; Charles Waggoner, Toronto; James Anderson, Guelph.

It was also included in the motion that the salaries of the judges be the same as last year, and that they would be expected to be in attendance at the fair from Tuesday noon until Friday noon; that they also prepare a report on the classes over which they have judged, and also be prepared to address meetings, to take the birds on the stand, and give their reasons for any decision which may be asked by the officers; that the money be paid when their duties had been satisfactorily performed. Carried.

J. Saunders, of London, was appointed Superintendent.

A petition was presented, that the names be kept off the crops until after the exhibits had been judged. Moved by D. C. Trew, seconded by John Ramsey, that the names remain on the exhibitors' tickets as heretofore. Carried.

Moved by Wm. McNeil, seconded by John Ramsey, that the changes in the Winter Fair building be left in the hands of the Winter Fair Committee. Carried.

It was also resolved that the exhibits must arrive at the buildings on Monday night, December 9th. Entries will close on December 2nd.

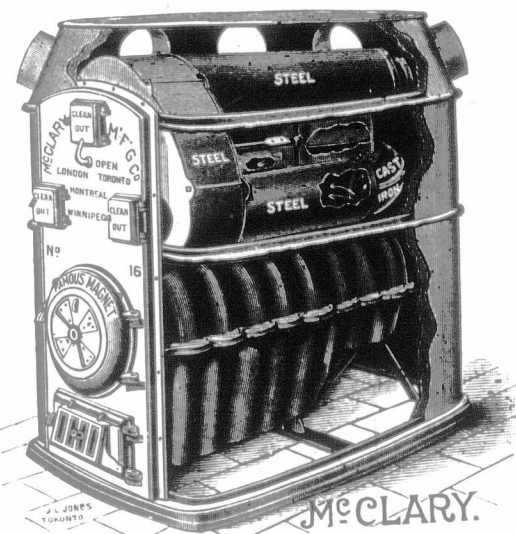
**DORSET SHEEP.**

Stock of either sex for sale at reasonable prices. Also Chester White pigs.

R. H. HARDING,  
THORNDALE P. O. AND STATION.

**FAMOUS MAGNET FURNACE**

BURNS WOOD ONLY.



Made in 12 sizes, to heat any sized house with the least fuel.

Extra large fire-door will admit rough blocks of wood.

All cleaning-out operations are done from the front—saves work.

Corrugated and grooved fire box gives extra strength and radiating surface.

The "Magnet" is the best furnace made in Canada for farmhouse heating where wood is the only fuel.

Write for free pamphlet.

**THE McCLARY MANUFACTURING COMPANY.**

London, Toronto, Montreal, Winnipeg, Vancouver; St. John, N. B.

**STOCK DRINKING BOWLS.**

Bowls with Valves, Cage and Strainer, \$1.25



Bowls, plain, without Valves, Cage or Strainer, \$1.00

SOLID CAST IRON.

Valves to stop flow of water from one to the other. Automatically regulated by float-box; one float-box regulates any number of bowls. Bowls bolted securely to stalls by lug-head bolts. Water supplied to bowls through pipes from supply tank.

Farm Rights Cheap for the up-to-date "Cattle Stalls."

Special Bow Ties adapted for single stalls. Full line in stock. For further information write:

**A. M. RUSH,**

Box 178.

HARRISTON, ONT.

Can. Pat., Sept. 30th, 1899.

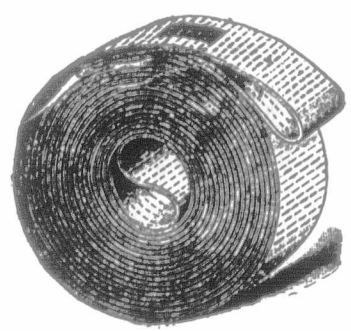
**Send for Illustrated Price List.**



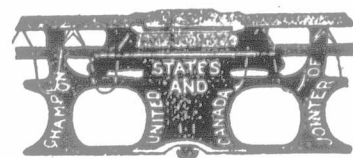
HEADLIGHT LANCE-TOOTH CROSSCUT SAW is the fastest crosscut saw made; is four gauges thinner on the back than the front; is easy to cut with. Every saw is guaranteed. Only 50c. per foot.



BABBITT METAL 7c. to 10c. per lb.



BELTING—100 ft. 6-inch 4-ply rubber belting, only \$25.00; 110 ft. 6-in. 4-ply rubber belting, only \$28.00; 120 ft. 6-in. 4-ply rubber belting, only \$30.00. Our belting is all fully guaranteed.



COMBINATION SAW JOINTER should be in the possession of every person using a crosscut saw. Only 25c., or 35c. postpaid.



\$10.00 will buy a first-class double-barrel, breech-loading shotgun. One of the best bargains ever offered. We have only a few left.

**Wilkins & Co.,**

166 & 168 KING ST. E.,

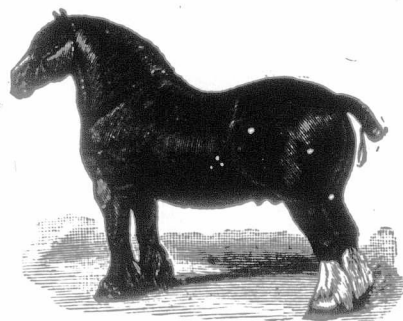
**Toronto, Ont.**



**Large English Berkshires.**

My herd consists of sows imported from England; three of them (including a show sow) were selected from the herd of Geo. Green and were bred to his show boars. Young stock for sale (not akin). JNO. LAHMER, VINE, ONT.

**IMPORTED CLYDESDALES FOR SALE.**



A grand lot of **CLYDESDALES**

just landed in good condition. They will be at Black Horse Hotel, Toronto, on Sept. 24th, 1901, and for one week following; then at London stables.

**DALGETY BROS.,**  
London, Ontario.

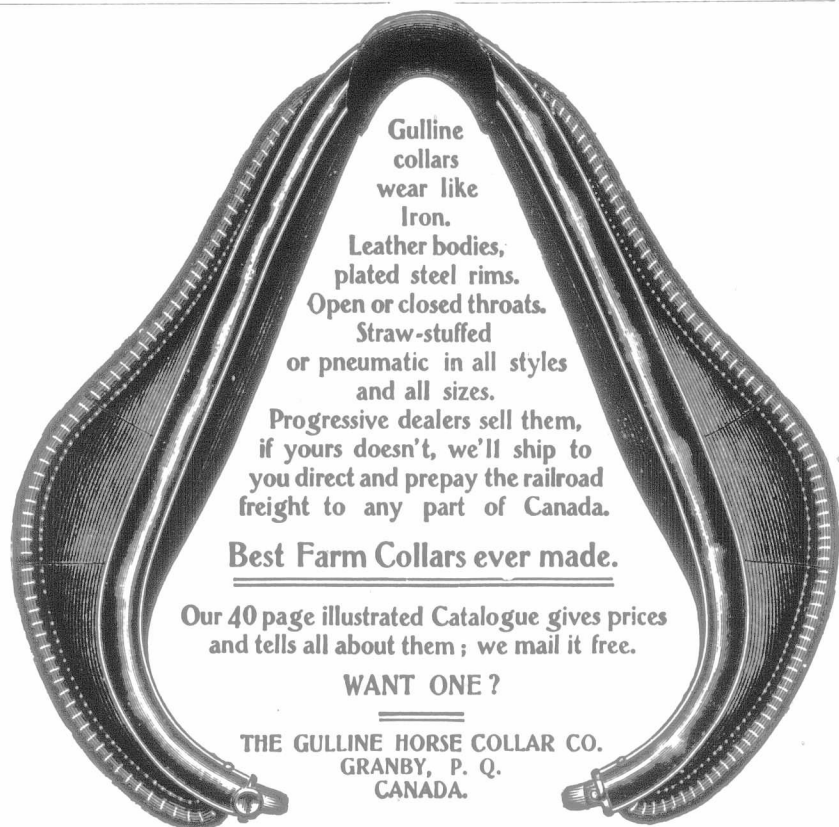
We beg to call your attention to a new and indispensable article in

**Barclay's Patent Attachment**

FOR THE CURE OF **BALKING AND KICKING HORSES.**

Will control any vice known to a horse. Invaluable for breaking-in colts. Can be adjusted in two minutes, and used with any harness, vehicle or implement. Sent, charges paid, to any part of Canada, with full directions for use, on receipt of price, \$5. Reliable representatives wanted. For further information, address

**THE BARCLAY MFG. CO.,** Brougham, Ont.



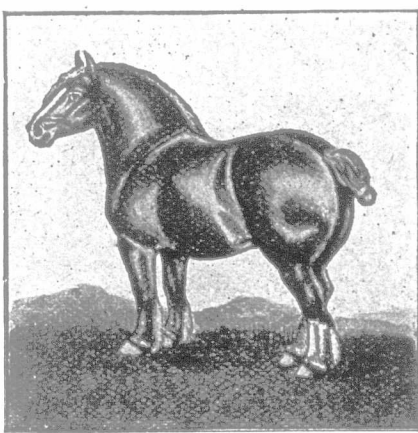
Gulline collars wear like iron. Leather bodies, plated steel rims. Open or closed throats. Straw-stuffed or pneumatic in all styles and all sizes. Progressive dealers sell them, if yours doesn't, we'll ship to you direct and prepay the railroad freight to any part of Canada.

**Best Farm Collars ever made.**

Our 40 page illustrated Catalogue gives prices and tells all about them; we mail it free.

**WANT ONE?**

**THE GULLINE HORSE COLLAR CO.**  
GRANBY, P. Q. CANADA.



LATELY IMPORTED A FRESH LOT OF

**Clydesdale Stallions,**

Comprising sons and grandsons of many of the most noted Scotch showyard winners and sires, all in the pink of condition without surplus flesh, and personally selected to meet the best Canadian markets, having, without exception, the best of bone, hair, feet, and action, coupled with true Clyde character. I will make further importations as the times demand. Inspection invited.

Prices consistent with quality.

**ROBERT GRAHAM,**  
Ringwood P. O., Ont.

Stouffville Station, G. T. R., and telegraph office.

**W. R. BOWMAN, Mt. Forest, Ont.,**

BREEDER OF **Polled Angus CATTLE.**

Six bulls for sale; also a few females. Suffolk and Shropshire Down sheep. Twenty rams and 40 ewes for sale, at \$10 to \$15 each

FOR **Aberdeen - Angus Cattle**  
or **Dorset Rams**

Write **JAS. BOWMAN, ELM PARK, GUELPH.**

**HEREFORDS FOR SALE.**

THE HERD of upwards of 90 head of registered animals contains the blood of the best English herds, with imported **True Briton** and **Likely Lad** at the head. Stock of both sexes and all ages for sale. Correspondence or a personal visit invited.

**A. S. HUNTER,**  
DURHAM, ONT.

Agents Wanted

for the New Pictorial Stock Doctor and Live Stock Cyclopaedia, revised to 1901 with the assistance of the Professors of the Ontario Agricultural College, Guelph. The finest illustrated, cheapest and best book of its kind ever published. Large wages to agents. A full-page announcement of this book appeared in the **ADVOCATE** of the issue of June 1st. Particulars mailed free. Address **WORLD PUBLISHING CO., Guelph, Ont.**

PLEASE MENTION FARMER'S ADVOCATE.

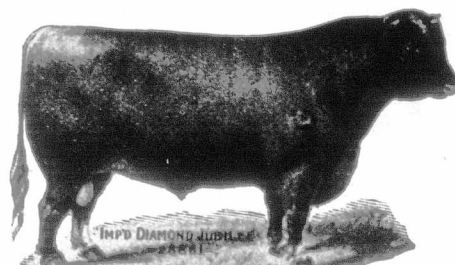
**T. DOUGLAS & SONS, STRATHROY, ONT.,**

BREEDERS OF

**Scotch Shorthorns**

100 HEAD TO SELECT FROM.

Offer for sale 20 young bulls, and cows and heifers of all ages, of the most approved breeding, bred to (imp.) **Diamond Jubilee = 28861 =**, at head of herd. Farm one mile north of town.



**J. & W. B. Watt,** SALEM, ONT.,  
(Post and Telegraph Office.)

BREEDERS OF **Clydesdale horses, Scotch Shorthorn cattle, Leicester and Oxford sheep, Berkshire pigs.**

Our **SHORTHORN** herd was founded over 30 years ago, and contains such tribes as the **Village Buds, Matchless, Missies, Mildreds, Stamfords** and **English Lady**, upon which we have employed such bulls as **Barmpton Hero 324, Young Abbotsburn 6236, Challenge 2933, Perfection 9100, Lord Lansdowne (imp.) 2712, Clan Stuart 14381, Canada 18536, Siltton Chief 17060, Royal Sailor (imp.) 18959, Royal George 28513, Clipper King 16233 and Judge 23419**, all of which have been first-prize winners wherever shown. **Royal Victor 34681** and **Royal Wonder 34682**, by **Royal Sailor (imp.)**, and out of **English Lady** and **Mildred** dams, now head the herd, assisted by **Roan Cloud 31317**, by **Lord Gloster 26995**, and out of **Melody 21992**, a descendant of the **Buckingham** family. We are now offering young bulls, cows and heifers for sale, of Scotch type.

Farm 2 miles from Elora Station, G. T. R. and C. P. R., 15 miles north of Guelph.

**6 imp. Bulls, 14 months to 2 years.** Our imp. cattle are representatives of the following Scotch families: **Clarets, Claras, Beautys, Marr Roan Ladys, Urya, Orange Blossoms, Secrets, Matildas, Miss Ramsdens, Jilts, Floras, Annes, Lady Fragrants,** and others.

**20 imp. Heifers, 2 and 3 years old.** Safe in calf.

**2 Home-bred Bulls, 12 and 16 months old.**

**10 Home-bred Heifers, Scotch topped.**

**25 Choice Yearling Ewes, from imp. Ram.**

**W. G. PETTIT & SON, Freeman P. O., Ontario.**

**Farmers!**

Now is the time to build your stable floors, hogpens, etc. You will find **QUEENSTON CEMENT** the cheapest and best. I warrant all structures when my instructions are carried out. Investigate my patented system of

**VENTILATION.**

When properly arranged, it will give you perfect sanitary stables. It is free to all of our patrons.

For pamphlet, prices, and other particulars, write to

**ISAAC USHER,**

**QUEENSTON, - ONTARIO.**

**HILLHURST SHORTHORNS**

THREE COLLYNIE-BRED BULLS IN SERVICE:

**Scottish Hero, Joy of Morning, Scottish Beau,**  
By **Scottish Archer. By Pride of Morning. By Silver Plate.**

The herd comprises straight Scotch, Cumberland, Gloucestershire, and Canadian strains; bred to produce the best and most economical **MEAT and MILK MAKERS.**

**Shropshire and Hampshire Down Sheep.**

**M. H. COCHRANE, COMPTON CO., P. Q.,**  
G.T.R., 117 MILES EAST OF MONTREAL. om **HILLHURST STATION.**

**Rapids Farm Ayrshires.**

REINFORCED BY A RECENT IMPORTATION of 20 cows, 2 bulls, and a number of calves, selected from noted Scotch herds, and including the male and female champions at leading Scottish shows this year. Representatives of this herd won the first herd prize at the exhibitions at—

Toronto, London, and Ottawa, in 1900.

Come and see or write for prices.

Young Bulls and Heifers for Sale, bred from High-class Imported Stock.

**Robert Hunter, Manager**

for **W. W. Ogilvie Co., Lachine Rapids, Quebec.**

PLEASE MENTION FARMER'S ADVOCATE.

# TROUT CREEK HERD OF SHORTHORNS.

We now have a select importation of thirty-three head in Quebec quarantine, the greater portion being from the noted herds of Duthie, Marr, Willis, and Earl of Roseberry.

## Bulls in Service

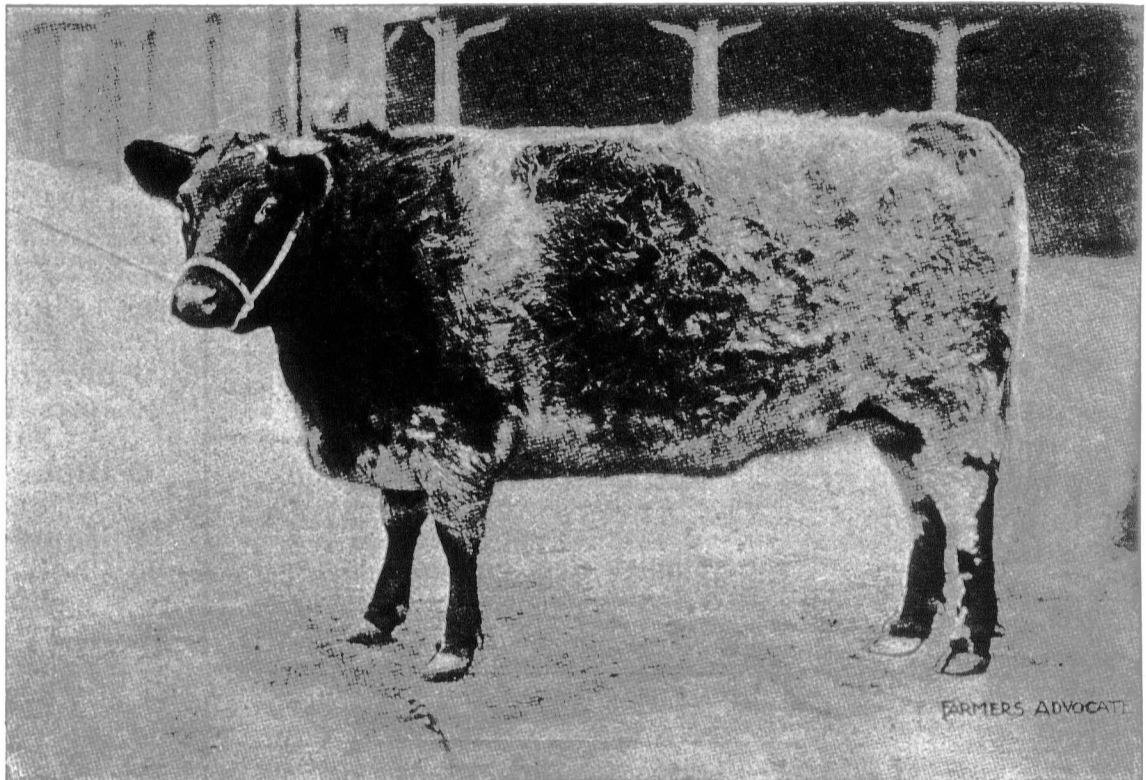
**IMP. LORD BANFF 150718, A. H. B.;** bred by A. Watson; of the Campbell Bessie family.

**IMP. SPECULATOR 158475.**—A prizewinner in Great Britain.

**IMP. CHOICE GOODS 76350, E. H. B.;** bred by J. Durno; of the Cruickshank Belona family; dam by Champion of England. Choice Goods has an undefeated show record: 1900—First prize Aberdeen Spring Show; first prize Strathbrogie Farmers' Club at Huntly; first prize Garioch Farmers' Club at Inch; first prize Central Banffshire at Keith. 1901—First prize Strathbrogie Farmers' Club Spring Show; first prize Highland A. Society at Inverness; President's champion medal at same show; Tweedale gold medal for best Shorthorn bull, and \$100 prize for best Shorthorn; first prize Royal Northern at Aberdeen, and cup as best Shorthorn bull.

*We keep in our herd a choice lot of both imported and Canadian-bred cattle, of both sexes, for sale. Personal inspection invited. Parties desiring to see the herd will be met on arrival of trains at Hamilton if notice is given. Visitors always welcome.*

*Hamilton is a city of over 50,000 inhabitants, located on main line of Grand Trunk Railway, between Chicago and Buffalo; also connected by Canadian Pacific Railway and Michigan Central Railway—branch lines.*



CICELY.

Bred by Her late Majesty the Queen; undefeated in her class and many times champion; imported by W. D. Flatt.

**W. D. FLATT, 378 HESS ST. SOUTH, HAMILTON, ONT.**

JAS. SMITH, MANAGER, MILLGROVE, ONT.

# SHORTHORNS

SCOTCH IMPORTED.

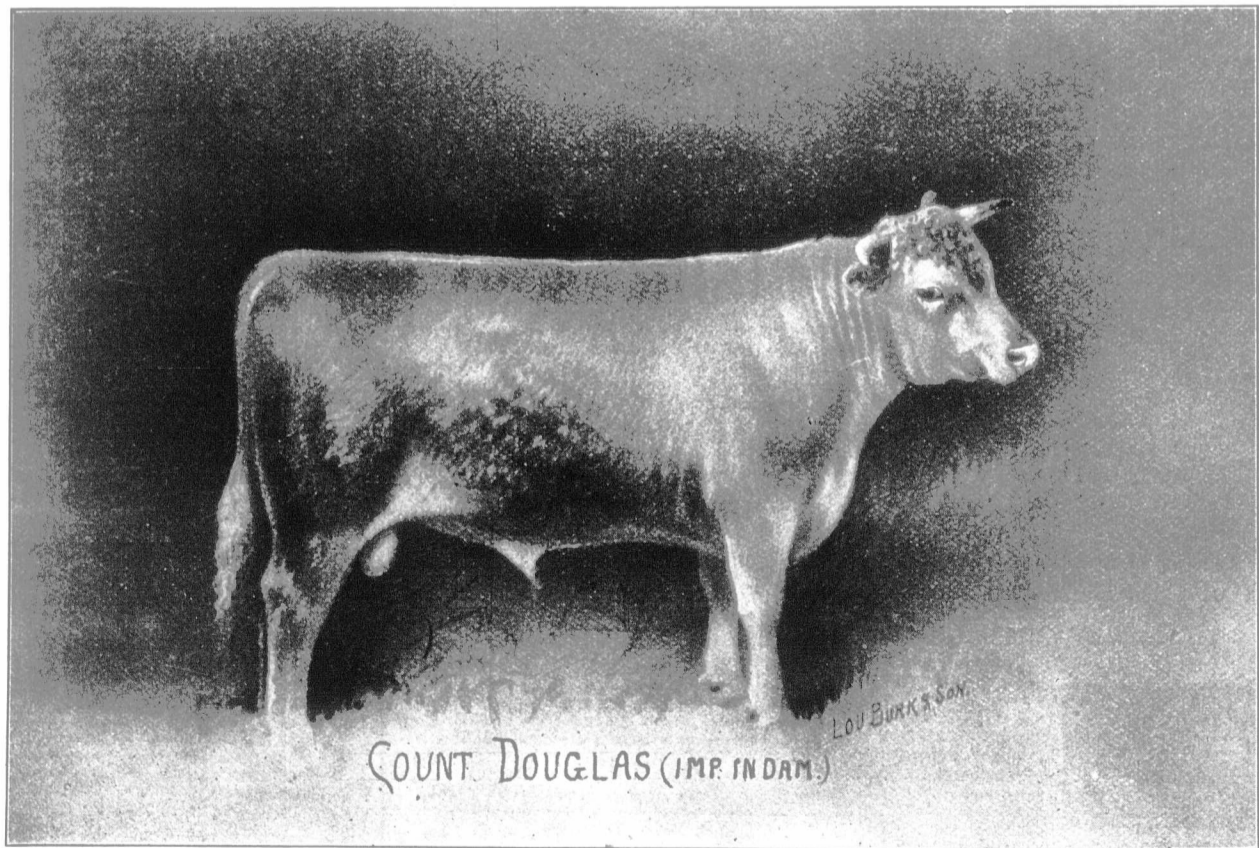
160 HEAD.

Young imported cows with calves at foot for sale. A number of the calves are imported in dam.

Some of the families represented in the herd are as follows:

AUGUSTAS  
CLARAS  
NECTARS  
GOLDIES  
JENNY LINDS  
VICTORIAS  
MATILDAS  
BESSIES  
CROCUSSES  
ROSEBUDS  
BRAWITH BUDS  
LANCASTERS  
MAYFLOWERS  
AMARANTHS  
BUTTERFLYS  
CLIPPERS  
EMMAS  
BROADHOOKS  
MEDORAS  
MINAS  
VILLAGE MAIDS  
BEAUTYS  
MISS RAMSDENS  
FLORAS  
RAGLANS  
LUSTRES  
GEMS OF THE VALE

Herd headed by the imported bulls, GOLD-EN DROP VICTOR and PRINCE BOSQUET.



COUNT DOUGLAS (IMP. IN DAM.)

IF INTERESTED, COME AND SEE US, OR WRITE

**H. CARGILL & SON, CARGILL, ONTARIO, CANADA.**

CATALOGUE FREE.

The blo  
Briton,  
Send for

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**90 HEAD**  
High-quality,  
Early-maturing  
**Herefords**  
Prizewinners,  
Young bulls,  
cows,  
heifers.

The blood of "Corrector," "Eureka," "Ancient Briton," and "Rupert," on an "Anxiety" foundation. Send for illustrated catalogue. -om

H. D. SMITH, COMPTON, QUE.

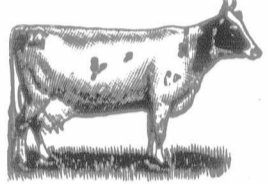
**HIGH PARK STOCK FARM.**  
GALLOWAYS of the choicest breeding and most fashionable strains. Inspection or correspondence invited. A. M. & ROBERT SHAW, om  
P. O. Box 294, Brantford, Ont.

**FOR SALE:**

DURHAM BULL, 10 months old, by Grand Sweep (imp.); also heifer calves. -o  
JAMES LENTON, Park Farm, Oshawa, Ont.

**FOR SALE:**

Three Guernsey bulls, 5, 9, 18 mos. old, sired by Masher (imp.). Six Ayrshire bulls, 1 year and under, sired by Matchless. Shropshire lambs, sired by Canadian Flag-staff (imported direct). Address—  
ISALEIGH GRANGE FARM,  
J. N. GREENSHIELDS, Prop. o Danville, Que.



**Shorthorns and Leicesters.**

Herd Established 1855.  
A number of young bulls, cows and heifers for sale. Imported Christopher = 2835 = heads the herd of large cows of grand milking qualities. Also a number of Leicesters of both sexes, from imported foundation.  
JAMES DOUGLAS,  
o CALEDONIA, ONT.

**SPRING GROVE STOCK FARM**

Shorthorn cattle and Lincoln sheep. Herd prize and sweepstake at Toronto Industrial Exhibition, 1897 and 1898. Herd headed by the Marr Missie bull, Imp. Wanderer's Last, last of the get of the great sire, Wanderer, of the Cruickshank Braw with Bud tribe. High-class Shorthorns of all ages for sale. Also prizewinning Lincolns. Apply om  
T. E. ROBSON, ILBERTON, ONT.



**LIDLAW'S CONCENTRATED TOBACCO POWDER**

**Sheep Dip.**  
THISTLE BRAND.

Contains correct proportion of sulphur, all mixed and ready for bath. For thirty years Laidlaw's Tobacco Powder Dip has had steadily increasing sale. Many hundred millions of sheep have been dipped with it. Non-poisonous; no injury possible to sheep or wool. For full particulars and prices, write—

**ROBERT MARR,**  
WALKERTON, ONT.

**SHORTHORNS:** We are offering for sale 8 bulls, from 8 months to 3 years old, by Mungo 2nd and Scottish Bard. Also a few cows bred to Baron's Heir. -om  
ROBT. GLEN, Owen Sound, Ontario.

**SPRINGFIELD FARM**

HERD OF  
Shorthorns, Oxfords,  
AND  
Berkshires.  
Young bulls and Heifers on hand. Also a few choice Berkshires.  
CHAS. RANKIN,  
Wyebridge, Ont.  
SIMCOE Co. -om



**SHORTHORN BULLS AND HEIFERS**

FOR SALE.  
Choice quality and best Scotch breeding. Imported and home bred. Imported Knuckle Duster (72793) and imp. Royal Prince head the herd, which has furnished the Provincial Fat Stock Show champion three out of the last five years. Catalogues on application.

H. SMITH, HAY, ONT.  
Exeter Station on G. T. R., half a mile from farm. om

**Live Stock Labels**  
Send for circular and price list.  
R. W. James, Bowmanville, Ont

**SHORTHORNS.**

FOR SALE.—Bulls: Two 1 year old and one 8 months. A few heifers of choice breeding and superior quality. AMOS SMITH, Trowbridge P. O., Listowel Stn. om

**SHORTHORNS (imported)**

3 BULLS: 1 two-year-old, 2 one-year-olds. A few cows and heifers. om  
THOS. RUSSELL, EXETER P. O.

**SHORTHORN CATTLE AND LINCOLN SHEEP.**

Imp. Prime Minister at head of herd. Seven young bulls for sale—good ones. Also a few females. Stud rams all imported from H. Dudding, Esq.; the same blood as the 1000-guinea ram.

J. T. GIBSON,  
DENFIELD, ONT.

**SHORTHORNS.**

Fashionably bred, of both sexes and all ages. Nothing reserved.  
H. PARKER, Durham P. O. and Station. om

For Sale: 3 Shorthorn bulls of first-class breeding, sired by such noted bulls as Scotland's Fame (imp.) and Bold Britain, bred by John Isaac, Markham. Also some choice cows and heifers. F. A. GARDNER, Britannia, Ont. om  
PEEL COUNTY.

**JOHN DRYDEN,**  
BROOKLIN, ONTARIO.

BREEDER OF  
CRUICKSHANK SHORTHORNS AND CHOICE SHROPSHIRE SHEEP.  
Fifty superior yearling rams ready for August delivery. om

**ARTHUR JOHNSTON**

Greenwood, Ontario, Canada.  
HIGH-CLASS  
SCOTCH SHORTHORNS  
(First Importation Made in 1874.)

(My recent importation of 30 head has just arrived home from quarantine. Herd now numbers over 120 head.)

OFFERS FOR SALE  
40 Imported Cows and Heifers,  
40 Home-bred Cows and Heifers,  
11 Imported Bulls and Bull Calves,  
13 Home-bred Bulls and Bull Calves.

Railway stations—Pickering, on main line of Grand Trunk Railway, 22 miles east of Toronto, and Claremont, 23 miles east of Toronto, on the C. P. Railway. Catalogues on application. om

J. R. McCallum, Iona Station, Ont.  
Offers young SHORTHORN BULLS and HEIFERS, of choice breeding, at reasonable prices. Iona Stn. on M.C.R., half a mile from farm.

High-class Shorthorns and Yorkshire Pigs.  
Just now three 10-months bulls, got by imp. Sirius 15281, great big massive fellows with lots of flesh and quality—away above the average. Also a few superior young cows in calf, and 5 or 6 heifers. We are booking orders now for the spring trade. Can ship some in six weeks.

JAS. McARTHUR, GOBLE'S, ONT.  
Goble's Station, G. T. R., 10 miles east of Woodstock, 2 miles from farm. Visitors met. -om

To Rid STOCK of Flies, Lice,  
AND ALL SKIN DISEASES, USE

**West's Fluid**

WHICH IS ALSO A SURE CURE OF  
CONTAGIOUS ABORTION

Standard Sheep Dip is Good, also Cheap.

Manufacturers: The West Chemical Company,  
TORONTO, ONT.  
om  
Pedigree forms free to customers.

**CENTRE WELLINGTON SHORTHORNS**

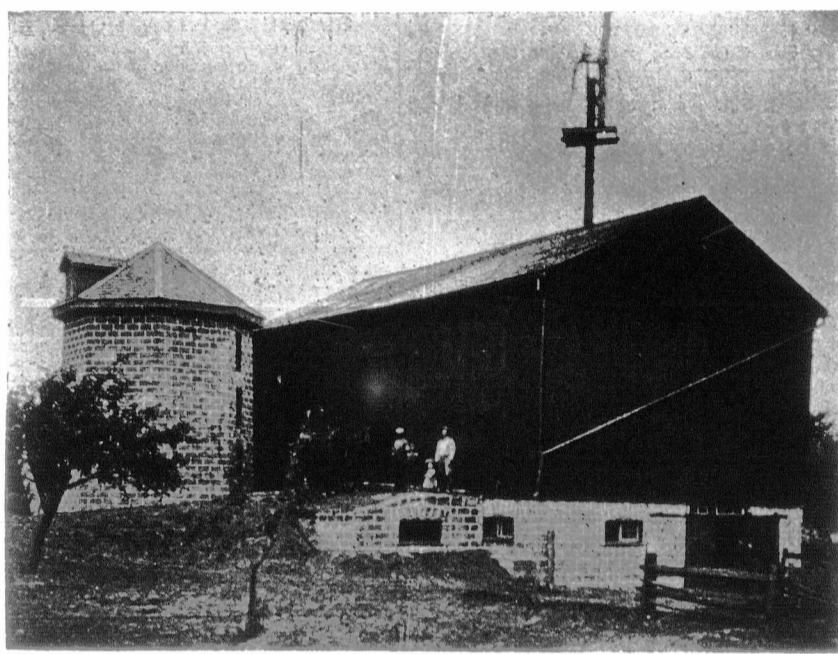
Herd consists of Scotch and Scotch-topped females, with Lord Stanley 4th = 22678 = at the head. Stock all ages for sale. Farm adjoins the town. o  
Box 66. H. B. WEBSTER, Fergus, Ont.

**SPRINGBANK FARM.**

Shorthorn Cattle, Oxford Sheep, and Bronze Turkeys. Young bulls for sale.  
JAS. TOLTON, WALKERTON, ONT. o

A SPLENDID  
**Silo, Root House and Barn Walls**

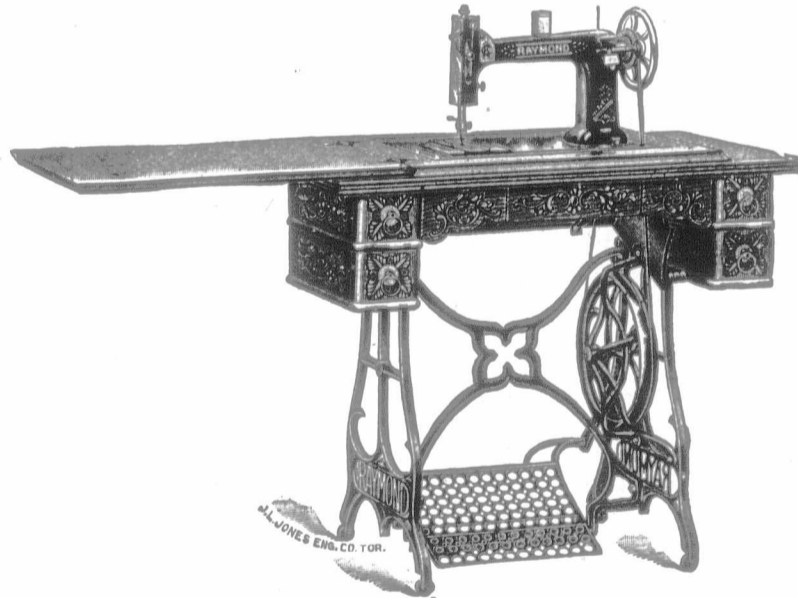
The property of Mr. Thos. N. Dunn, Manager of the Strathroy Canning Co., of Strathroy, Ont.  
**ALL BUILT WITH THOROLD CEMENT**  
In July, 1899, under the superintendence of Joseph W. Harris, of Kerwood, Ont., our sales agent for Strathroy, Kerwood, and Watford.



Size of barn-basement walls: 1 foot thick, 52 x 30 x 8 1/2, on an 18 x 18 inch footing. Used 65 bbls. Cement, and labor, 2 men for 16 1/2 days.  
Size of root house: 26 x 11 x 5 1/2, inside measure. Walls, 1 foot thick; arch, 10 inches thick. Is giving complete satisfaction.  
Size of silo: 16 feet 8 inches inside diameter by 27 feet high; 18-inch walls at bottom, 11-inch at top. It has been filled to the top with corn cobs and husks from the canning factory, and has kept in good shape.

**ESTATE OF JOHN BATTLE, THOROLD, ONT.**  
MANUFACTURERS OF THOROLD CEMENT.

**The Raymond**



STILL THE MOST POPULAR AND MOST RELIABLE  
**Family Sewing Machine**

ON THE CANADIAN MARKET, AFTER A CONTINUOUSLY SUCCESSFUL RECORD OF NEARLY FORTY YEARS.

The steadily increasing demand for the Raymond has necessitated the recent enlargement of old premises and building of new, all of which are being run to their full capacity.  
THE 1901 "RAYMOND" is unsurpassed for style, finish or utility. The above is a cut of STYLE "DROP HEAD." The other styles are "Cabinet," seven-drawer with cover, five-drawer with cover, and three-drawer with cover. In all, five styles; finished in the best quarter-cut oak. For sale in all the leading towns and cities of the Dominion.

MANUFACTURED BY  
**The Raymond Manuf'g Co'y, Ltd.,**  
GUELPH, ONTARIO.

Please Mention Farmer's Advocate.

SHORTHORNS.

6 choice young heifers, 4 imported cows. Also 16-month-old home-bred bull.

A. P. ALTON & SON, Burlington Junction Station, Appleby P. O.

YOUNG SHORTHORNS FOR SALE

Our present offering includes several choice young bulls fit for service, sired by "Scotland Yet," and out of Warfare (imp.) dams; also bull calves, from Blue Ribbon (imp.), and out of Royal George cows. Inspection and correspondence solicited.

A. & D. BROWN, M. C. RAILWAY, IONA, ONTARIO.

Shorthorns, Berkshires, Leicesters

Am offering at present the grand stock boar, Crown Prince; also some young ones.

ISRAEL GROFF, ALMA, ONTARIO.

Hawthorn Herd of Deep-Milking Shorthorns

Stock for sale of both sexes. Herd headed by the Isabella bull, Golden Eagle = 30943-, by Golden Measure.

Wm. Grainger & Son, Londesboro, Ont.

SHORTHORNS.

We are offering three choice-bred young bulls, 1 yr. old, two 8 months old—heavy-milking strain.

JAMES BROWN, NORVAL STN. and P.O.

LAKE VIEW STOCK FARM.

SCOTCH SHORTHORNS, both sexes, all ages. As good as the best.

Meaford Station, JAMES BOWES, G. T. R. North, Strathnairn P. O.

SHORTHORNS, COTSWOLDS AND BERKSHIRES FOR SALE.

One yearling bull; 9 bull calves; cows, heifers and heifer calves; 7 yearling rams; 20 ram lambs; ewes and ewe lambs; young pigs, from 6 weeks to 2 months old.

F. BONNYCASTLE & SONS, Campbellford P. O., Ont.

ASHTON FRONT VIEW STOCK FARM.

Six Shorthorn Bulls for sale, from 8 to 15 months old; all of choice breeding. Also Cotswolds of all ages for sale at all times. Visitors welcome.

A. J. WATSON, Castlederg, Ont. C. P. R. Station and Telegraph Office, Bolton; or G. T. R., Palgrave.

Clover Leaf Lodge HERD OF Shorthorns

A number of choice young bulls, heifers and cows, excellent milking strains. Correspondence invited.

R. CORLEY, Belgrave P. O., Ont., and G. T. R.; Wingham, C.P.R.

SHORTHORNS FOR SALE

Young stock of both sexes, reds and roans.

JOHN R. HARVIE, ORILLIA, ONT.

For Sale Two choice-bred SHORTHORN BULLS, 12 and 18 months; also cows and heifers, with calves at foot and bred again to imported Red Duke = 36084 = (77585). 51 head to select from.

DAVID MILNE & SON, Ethel, Ont.

SHORTHORNS FOR SALE.

Bred from imported Lavinia and Barrington foundation, upon which have been employed such sires as Janitor 21385, Scarlet Velvet 21416, and Chief of Clan 31123. Young bulls for sale, from 3 to 11 months old. Also a few choice young females, reds and roans.

JAS. SMITH & SON, INGLIS FALLS, ONT.

LIVE STOCK AUCTIONEER.

The undersigned is prepared to conduct pure-bred auction sales. 20 years' experience. References: John I. Hobson and Alfred Stone, Guelph; Jas Hunter, Alma, and Mossom Boyd, Bobcaygeon. THOS. INGRAM, care Mercury Office, GUELPH, ONT.

GREENGROVE HERD OF SHORTHORNS.

This herd was founded over 18 years ago, by John Fletcher, and contains such Scotch-bred tribes as the Missies and Mysies, Langshires and Butterflies, and is now headed by the famous stock bull, Spicy Robin = 29259 = (bred by J. & W. H. Watt), a worthy grandson of Imp. Royal Sailor = 18959 =, and of Bampton Hero and of Ruby Vengarth = 15559 =, and is of the noted English Lady family. Some good young stock for sale. For prices and particulars, address GEORGE D FLETCHER, BINKHAM, ONT. C. P. R. Station, Erin.

SHORTHORNS.

High-class (imp.) bulls, heifers and young cows of highest merit and belonging to superior Scotch families, personally selected from the leading herds of Great Britain; also a number of home-bred heifers bred to our imp. bulls. Write for catalogue and full particulars.

R. MITCHELL & SON, Burlington Jet. Station, Nelson P. O., Ont.

Maple Lodge Stock Farm

ESTABLISHED 1854.

SHORTHORNS.—First-prize milking strains, and best Scotch breeding. Imp. Knuckle Duster and Imp. Sir Wilfred in service. LEICESTERS.—Thirty choice shearing rams and 100 ewes and ram lambs for sale.

ALEX. W. SMITH, MAPLE LODGE P. O., ONT.

PLEASE MENTION FARMER'S ADVOCATE.

SHORTHORNS:

We are offering 3 extra choice yearling bulls, all from imported sires, straight Cruickshank, with Lavendar and Miss Ramsden dams. THOS. ALLIN & BROS., Oshawa, Ont.

BONNIE BURN STOCK FARM

40 rods north of Stouffville Station, Ont., offers Shortorns, Shropshires, Berkshire. Pigs just weaned, good breeding, good quality, including a few choice out of imp. sow. Pairs not akin at low prices. D. H. RUSSELL, Stouffville, Ont.

Ridgedale Farm Holstein-Friesians for Sale.

2 yearling bulls; also bull and heifer calves; all of choice breeding. Prices always reasonable. Write, or come and see them. R. W. WALKER. Shipping stations: Port Perry, G.T.R.; Myrtle, C.P.R. om

SUCCESS WITH HOLSTEINS

depends on starting right. Brookside has furnished foundation stock for some of the best herds in the country. We have 250 head, and if you want to establish or strengthen a herd, can supply you with animals of the right sort. We have 50 young bulls on hand, and females bred to the best sires living. Let us know just what you want. Catalogue of bulls now ready. We also have six fine thoroughbred Jersey Red boys, 6 months old, for sale, \$9 to \$10 each.

HENRY STEVENS & SONS, LACONA, OSWEGO CO., N. Y.

Riverside Holsteins

Victor DeKol Pietertje and Johanna Rue 4th Lad head the herd.

Matt. Richardson & Sen, Caledonia, Ont.

BROOKBANK

Is headquarters for Holstein bulls. They are going fast; be quick if you want one. In writing, state age, etc., preferred.

GEO. RICE, Currie's Crossing, Ont.

SPRING BROOK Holsteins, Tamworths & B. P. Rocks.

Will exhibit a few Holsteins at Toronto. Hope to meet many old friends and make acquaintance with new ones. Holsteins, highest quality, young stock, all De Kols. Over 60 head of choice Tamworths to select from.

A. O. HALLMAN, Waterloo Co. New Dundee, Ont.

4 HOLSTEIN BULLS 4

FOR SALE: From 4 to 7 months old, having sires in their pedigrees from such strains as Inka, Netherland, Royal Aaggie, and Tritonia Prince, and out of imported females that have proven their worth at the pail. THOS. B. CARLAW & SON, Warkworth.

Maple Glen Stock Farm.

EXHIBITION OFFERING: Two bull calves under 1 year. Also a Sylvia and an Abbecker bull calf, with spring and fall heifer calves of Sylvia breeding, bred from winners and ones that will make winners. Prices according to quality.

C. J. GILROY & SON, Brockville, on C.P.R. and G.T.R. Glen Buell, Ont.

UNADILLA FARM.

F. L. GREEN, GREENWOOD, ONTARIO, BREEDER OF

St. Lambert Jersey Cattle and Yorkshire Pigs.

My Jerseys are bred for business. Both sexes for sale. I offer an extra choice bull, dropped Feb. 27th, 1901, for sale, a son of Queen May of Greenwood, who made 18 lbs. butter in 7 days, and is at Pan-American now. A lot 1 very choice Yorkshires on hand. Also Barred Rocks, Light Brahmas, and Bronze turkeys. Prices right.

SUNNYLEA FARM.

For sale: Jerseys—6 yearling bulls; females any age. Tamworths—30 roans and sows, different ages. Shropshire sheep—rams and ewes of good breeding. Prices reasonable.

H. E. WILLIAMS, Knowlton, P. Q.

CHOICE JERSEYS.

Am offering 1 cow, 4 yrs. old (very choice); 1 bull 17 mos. old; 2 bull and 1 heifer calves.

W. N. HASKETT, "Avon Manor," Markdale, Ont.

Jersey Calves

From large, deep-milking cows, who have given 7,000 lbs. each of 4 per cent. milk during the past year; good colors, and from two to six months old.

For description and prices write

W. C. SHEARER, - BRIGHT, ONT.

BRAMPTON JERSEY HERD.

For sale: 2 yearling bulls; 8 bull calves, sired by Brampton's Monarch (imp.), and out of first-class cows. A number of cows and heifers in calf. Also some unregistered cows and heifers, fresh-calved and springers—grand family cows.

B. H. BULL & SON, BRAMPTON, ONT.

JERSEYS FOR SALE.

Two choice bull calves of the highest breeding and of true dairy type, at moderate prices.

W. W. EVERITT, Chatham, Ont.

BUS KOLN PARK FARM, P. O. BOX 552.

Water Basins.

WOODWARD WATERING BASIN PAT. MAR. 17, 1895



EIGHT REASONS FOR ADOPTING THE Woodward Water Basin.

- 7th. Animals cannot drink to excess. This is rendered impossible by the arrangement of the basin. When empty, the water flows in very slowly. Drinking in excess retards milk making. Eighth reason.—Next issue will have it.

Ont. Wind Engine & Pump Co., Ltd., TORONTO.

SPLENDID Jerseys for Sale.

Two bull calves and two heifer calves that will equal anything I know of; age, 1 to 3 months; price, \$30 to \$60. One yearling heifer, blood of old Massena, 900 pounds butter in one year, \$100. One yearling bull, extra breeding, \$80. All registered. Crated and put on express car.

MRS. E. M. JONES, Box 324. BROCKVILLE ONT., CAN.

CHOICE AYRSHIRE BULLS.

I OFFER: Five bull calves, one dropped in each of the months of August, November, December, January, and April. Good individuals, and from deep-milking strains.

W. W. BALLANTYNE, STRATFORD, ONT.

"Neidpath Farm" adjoins city, on main line G. T. R.

We have now on hand young females sired by Nero of Glen Rouge 50241, and cows and heifers bred to him.

E. B. HINMAN & SON, GRAFTON, ONT.

Spring Burn Stock Farm.

H. J. Whitteker & Sons, Props. North Williamsburg, Ont.

AYRSHIRES.

Five bulls ranging from 11 to 23 mos., from such noted cows as Jean Armour, Lady Ottawa, Sprightly and Priarose (imp.), and from the best sires procurable. Also heifers and cows all ages, and poultry.

WM. STEWART & SON, MENIE, ONT.

TREDINNOCK AYRSHIRES.

Imported bulls at head of herd: Glencairn 3rd, Napoleon of Auchrain, and Lord Dudley. Forty imported females, selected from leading Scotch herds, and their produce from above-named bulls. Size combined with quality and style, well-formed udders, good-sized teats, and capacity for large milk production. Bull calves for sale; also a few young cows and heifers. For prices and particulars address JAMES BODEN, Mgr., St. Anne de Bellevue, Quebec.

G.T.R. & C.P.R., 20 miles west of Montreal. om

RIDGELING CASTRATION.

Dr. J. WILSON, V. S., WINGHAM, ONT., Specialist in the castration of ridgeling horses and colts. Terms and testimonials on application

FOR SALE: IMPORTED HOME-BRED AYRSHIRES,

including cows, heifers and young bulls out of our prize and sweepstakes cows. Foundation selected with due regard to quality and productiveness. Come or write.

WM. WYLIE, - HOWICK, QUEBEC.

Ayrshire bulls for sale:

The celebrated bull, Klondyke of St. Ann's 8897, bred by R. Reford, sire Glencairn 6855 (imp.), 4 years old in Aug., for immediate delivery. Also several young bulls fit for service this fall, and several calves. All from the above sire, and from good milkers. Prices reasonable.

W. F. STEPHEN, TROUT RIVER, QUEBEC.

Ayrshire Bulls: Write to J. YUILL & SONS, Carleton Place,

for special prices on Ayrshires, from 1 1/2 years to 6 months. Four over 15 months, fit for service, from special milking stock. Sired by prize bull, Jock of Burnside—1684—, also females of all ages. Shropshire sheep of all ages; a number of fine ram lambs. Berkshire pigs of either sex, of the best bacon type. B. P. Rocks.

Maple Cliff Dairy and Stock Farm.

BREEDERS OF AYRSHIRE CATTLE, IMPROVED BERKSHIRE AND TAMWORTH PIGS.

FOR SALE: 5 bull calves, a few heifers; young pigs, pairs not akin; 2 boars, 4 months old; young pigs. Farm adjoins Central Experimental Farm, Ottawa.

R. REID & CO., Hintonburg, Ont.

LITTLE'S PATENT FLUID

NON-POISONOUS SHEEP DIP AND CATTLE WASH

THE ORIGINAL Non-Poisonous Fluid Dip

Still the favorite dip, as proved by the testimony of our Minister of Agriculture and other large breeders.

For sheep. Kills ticks, maggots; cures scab; heals old sores, wounds, etc., and greatly increases and improves growth of wool.

Cattle, horses, pigs, etc. Cleanses the skin from all insects, and makes the coat beautifully soft and glossy.

Prevents the attack of Warble Fly.

Heals saddle galls, sore shoulders, ulcers, etc. Keeps animals free from infection.

No danger, safe, cheap, and effective

Beware of imitations.

Sold in large tins at 75 cents. Sufficient in each to make from 25 to 40 gallons of wash, according to strength required. Special terms to breeders, ranchmen, and others requiring large quantities.

SEND FOR ALL DRUGGISTS. SEND FOR PAMPHLET.

Robert Wightman, Druggist, Owen Sound.

Sole agent for the Dominion.

EUROPEAN ADVERTISEMENTS.

English Shorthorns.

Booth and Bates Shorthorns, topped with Cruickshank bulls. Young cows, bulls and heifers always on hand for sale. Eligible for the American head-book. Royal and Highland prizewinners included for the last two years. Close on £100 won in prizes last year and this.

WM BELL, Ratcheugh Farm, Alnwick, Northumberland, Eng.

Ayrshire HERD OF 150 cows and heifers, bred from deep milkers, with large teats, of a commercial stamp. Established over half a century. J. & A. Wilson, Boghall Farm, Houston, Renfrewshire, Scotland.

PEDIGREE AYRSHIRES.

Cows and heifers, all bred from prizewinning stock at the leading shows.

Robert Wilson, Mansurae, Bridge of Weir, Renfrewshire, Scotland.

WALTON HERD OF PEDIGREE PIGS,

The property of Sir Gilbert Greenall, Bart., Walton Hall, Warrington, England.

This herd is unrivalled for its true type, large size and strong constitutional vigor. It is the premier herd in England at the present day. Its show yard career is unique, the champion prize for the best Large White pig at the R. A. S. E. having been won by pigs bred in the herd in 1896, '97, '99 and 1901, besides leading prizes too numerous to mention at all the principal agricultural shows in England.

A choice selection of boars and sows for sale. Inspection invited. All purchases carefully shipped. For particulars, apply to the Manager, MR. J. HALLAS, Higher Walton, Warrington, England. Railway stations:—Warrington (Bank Quay) per L. & N. W. Ry.; (Central) per Midland, G. N. or G. C. Rys. Telegrams, "HALLAS Higher-Walton."

W. W. Chapman,

Secretary of the National Sheep Breeders' Association, Secretary of the Kent or Romney Marsh Sheep Breeders' Association, and late Secretary of the Southdown Sheep Society.

Pedigree Live Stock Agent, Exporter and shipper. All kinds of registered stock personally selected and exported on commission; quotations given, and all enquiries answered.

Address: FITZALAN HOUSE, ARUNDEL ST., STRAND, LONDON W. W.

Cables—Sheepote. London.

FAMOUS ALL OVER THE WORLD ALFRED MANSELL & CO., LIVE STOCK AGENTS AND EXPORTERS, SHREWSBURY.

BRITISH STOCK selected and shipped to all parts of the world. Write for prices to ALFRED MANSELL & CO., Shrewsbury, England, or to our American representative, Robert Miller, Stouffville, Ont., Canada.

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Breeder of Lincoln Long-wooled sheep. Flock No. 46. At the Palermo Show, 1900, 25 rams bred by J. E. Casswell averaged 451 each; 14 of the best averaged 493 each, this being the highest sale of the season in the Argentine. Ram and ewe hoggs and shearlings for sale; also Shire horses, Shorthorns, and fowls. Telegrams, "Casswell, Folkingham, Eng." Station: Billingham, G. N. R.

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Pure-bred Cotswold ram and ewe lambs. Extra choice ones.  
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Uxbridge P. O. and Station.



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We are now offering some choice shearlings of both sexes; also this season's crop of lambs, sired by Imp. Swanwick.

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SIX MILES FROM OSKAWA STATION, G. T. R.

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Ram lambs and ewes sired by the first-prize ram at Toronto, '99. Also Shorthorn cattle and Berkshire pigs.  
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Our present offering are all ages and both sexes. Choice animals.  
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THE largest flock in America. The most celebrated prizewinners at the Columbian Exhibition and Canadian exhibitions. Contains more Royal winners than any other. Awarded 5 out of 8 first prizes at Toronto, London and Ottawa in 1900. Flock of 300. Stock for sale always on hand.

**John A. McGillivray, Uxbridge, Ontario.**

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This season's lambs, both sexes; yearlings, both sexes; breeding ewes, imp. and from imported stock.  
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Offers imported and home-bred Oxfords of both sexes and all ages, from the champion flock of Canada for the last six years.  
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We have a choice lot of lambs this year, bred from our imported rams, Royal Warwick 3rd and May King 1st, some weighing 17 lbs. at birth. Also some good shearing ewes and rams. Also a few shearing ewes and rams fitted for show purposes. All of which we are offering for sale at reasonable prices.

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FLOCK ESTABLISHED 20 YEARS.  
Forty superior yearling and two-year rams. Two extra fine imported rams. Sixty yearling ram lambs. Forty yearling ewes. One hundred ram lambs. Stock good and prices reasonable.

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**WE HAVE FOR SALE**  
**20 EXTRA GOOD YEARLING RAMS**  
of our own breeding; also ram lambs and yearling ewes.

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**SUMMERHILL OXFORDS.**  
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ESTABLISHED 1881.  
20 Yearling Rams, 30 Ram Lambs, 20 Ewe Lambs, of superior quality, form and covering, the get of an extra good imported ram and choice dams, a number of which have been imported from Thomas, Farmer, Tanner, Minton, and Barber flocks. Also a few choice English Collie pups ready for shipment.

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Waterloo County. G. T. R. and C. P. R.

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**FAIRVIEW SHROPSHIRE**

Good rams having the best of quality. Do you want one or two? If so, write for circular.  
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Shearing rams, ram and ewe lambs. Well covered. Good colors. Good individuals. CHESTERS: Bacon type. Litters ready to ship.  
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LAMBS FOR SALE.  
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FOR SALE:  
Shearing and two-shear rams; also stock ram, bred by John Miller & Sons, and this season's crop of lambs ready for the fall trade. Foundation stock bred by Mansell, England. Prices moderate. A card will bring them.  
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of Shropshire rams and ewes of finest quality, from the best breeders, now being offered at reasonable prices.  
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One- and two-shear ewes. Ram and ewe lambs.  
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Extra choice ram and ewe lambs from imported Mansell rams. Single or in large lots. Satisfaction guaranteed or money refunded. Also Barred Rock cockerels at \$1.50 a pair.  
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Eight good shearing rams; 1 two-shear stock ram, bred by John Miller—a prize-winner. Fifty lambs. Also a choice young Shorthorn bull, 7 mos. old.  
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**Chester White Swine.**  
OLDEST ESTABLISHED REGISTERED HERD IN CANADA.

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We are now offering our exhibition stock, consisting of several choice young boars and sows, from six months to a year old. Prices reasonable, quality considered.  
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NEWCASTLE, ONT.

**NEWCASTLE, ONT.**

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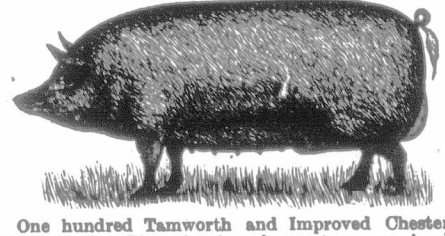
Rams and ewes (all ages), consisting of those bred at Fairfield and importations from the flocks of Dudding, Dean, Wildsmith and Wright. A new importation of 103 head will arrive at Fairfield, Sept. 1st, including first-prize yearling ram, yearling ewes, ewe lambs and ram lambs, also first-prize and champion 2-year-old ram and third-prize 2-year-old ram at the Royal Show, and 70 yearling rams and 30 yearling ewes. I can supply show flocks that will win.

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The largest herd of imported and Canadian-bred Yorkshires in America. Out of 121 exhibits at the leading shows in '99 and 1900, including Toronto and London, we gained 116 awards. Expert judges both at London and Toronto were unanimous in pronouncing our herd far superior to that of our strongest competitors. Won most of the best prizes offered, including first prize for best pen of pure-bred bacon hogs, also grand sweepstakes over all breeds in a class of 13 entries. The foundation of our herd was laid by personally selecting the choicest stock from the most noted breeders in England and Scotland. We have the ideal bacon type—size without coarseness, and easy feeders. Pigs of all ages for sale at moderate prices. Write us for particulars. Telephone, Millgrove, Ont. Telegraph 254 Bay St. S., Hamilton, Ont.  
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One hundred Tamworth and Improved Chester White Spring Pigs of a true bacon type, our herd having won the best prizes offered at the leading exhibitions throughout Ontario and Quebec for the past ten years. Stock for exhibition purposes a specialty. We pay express charges between stations, and guarantee safe arrival of all stock shipped. Pairs furnished not akin. Write for prices.  
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SEVERAL YOUNG  
nearly ready to ship. Also a few ready for service, of both sexes.  
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from Thrifty Maid, the sweepstakes sow at Guelph Fat Stock Show, and from Jessie K. and Minnie F. Sired by Advance and French, my stock boars. The pigs are choice, and prices right.  
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Importer and breeder of choice Large White Yorkshires and Shorthorn cattle.

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Headed by Oak Lodge Prince 5071. Litters 15 weeks, either sex; 2 sows to farrow.  
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Best type and quality. Young stock constantly on hand. Prices right.  
**R. HONEY,**  
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**YORKSHIRES A SPECIALTY.**

Boars fit for service. Sows ready to breed. Boars and sows from two to three months. September pigs a choice lot, ready to ship when eight weeks old. All stock of the large, lengthy, smooth, deep-sided type. Write  
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of the most popular families. All ages and both sexes now ready for immediate shipment. Write for what you want. Prices reasonable—consistent with quality.  
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**Improved Large Yorkshire and Essex Swine**  
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We have some fine young pigs to sell, from imp. sows and by the celebrated boar, Whitton Star. He took first prize at Toronto and London fairs in 1899 and 1900. We have some more imported sows to farrow, bred to him, and have some nice young pigs from our home-bred sows, and got by the imp. boar, Nottingham Monarch, a sire of great promise.

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are positively warranted to last TEN YEARS, without repairs, and are guaranteed to OUT-HATCH, during three trials, any other make of incubator on the market—bar none. THIS, OR YOU LOSE YOUR MONEY BACK. Used exclusively at Experimental Farms, Guelph and N. W. T., and Ottawa; Dominion Government Poultry Stations, Whitby, Truro (N. S.), and Quebec; also six American Experimental Stations. Daniels, the universal provider in Poultry Supply business, has the sole agency for the Cyphers Incubators and Brooders for Canada. Our list of Poultry Supplies are too numerous to mention here, but just drop us a line and state what you require. We handle nothing but the best. Satisfaction every time, or money refunded. Mention "Advocate."  
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Will suit you in every respect. Prices to suit. Some second-hand ones of different makes at greatly reduced prices.

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Instantly removes all flies, mosquitoes, lice and other insects from cattle, horses and other animals sprayed with it. It is healing to any sore. Animals rest easy and feed quietly all day. Cows give 1/2 more milk, which is a big saving. 1 gal. will protect 500 cows. Money refunded if animals are not protected. Endorsed by the best class of people. Order at once and secure agency, you can sell hundreds of gallons. Price, cash with order or C. O. D.—1/2 gal., 70c; 1 gal., \$1.25; 2 gal., \$2.40; 5 gals., \$6.25; 10 gals., \$10.00. Rippley's Special All Tin Compressed Air Sprayer for applying same, 30c; all copper, \$2.00; 5 gal. Galvanized Compressed Air Sprayer for applying on large herds, \$6.25; made of copper, \$10.00.

The Rippley Hardware Co., Galesburg, Ill.—For three years I have been experimenting with different things to keep flies off my cows, but not until I tried your Fly Remover and Compressed Air Sprayer was I successful. I used this last year and found that it cost less than one cent per week per cow. With your Compressed Air Sprayer it takes but a few minutes to put it on, and the result has been that my cows were free from flies, and during the year gave 6400 pounds of milk each, which made 324 pounds of butter per cow. I can heartily recommend it to all stock owners.—JOHN ARMSTRONG, Frost, State Board of Agriculture, De Smet, S. D., June 4, 1901.

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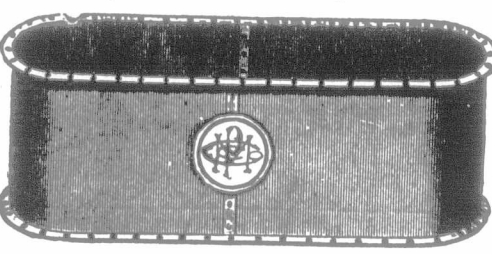

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