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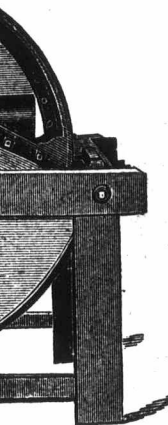
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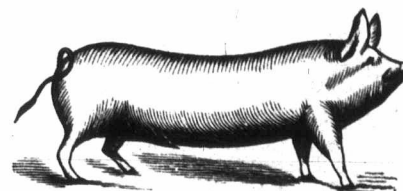
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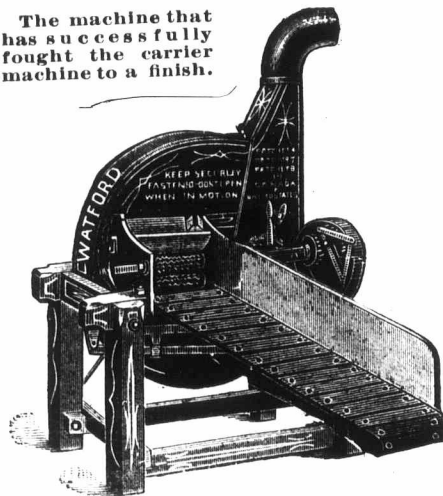
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Vol. XXXV.

LONDON, ONT., AND WINNIPEG, MAN., SEPTEMBER 15, 1900.

No. 510

EDITORIAL.

After the Exhibition.

Though not disposed to join in any hysterical clamor regarding the present condition and future of the Toronto Industrial Exhibition, the FARMER'S ADVOCATE considers the present a proper and favorable opportunity to take stock of the situation.

In the first place, it may be set down that the show of 1900, which closed a week ago, was a success, as shows go on this side of the Atlantic; but both in Toronto and among the thousands of home-going outsiders there was not the old-time, cheerful buoyancy over what had been witnessed. Before we forget it, also, let us whisper, as a candid friend, in the ears of Toronto newspapers who are now wading into Manager Hill and the Exhibition Board, that in many quarters we find a sort of feeling that Toronto, collectively and individually, is simply "on the make," grabbing everything on sight, so that there is probably need for a general cleaning up of door-steps in the modern Ontario Jerusalem, if they want to maintain friendly relations with their neighbors. Drop your hog-town policy, friends, and your show will do better.

Now, with regard to the Exhibition itself. We look upon it as a most important event to Canada, from an agricultural standpoint. Consequently, this journal sends, at a very heavy outlay, probably the largest staff of skilled reviewers, making careful examination into all the leading departments, of any other paper represented; and our aim is to give a complete and impartial account of the Exhibition. As we have said, it was a success, though the attendance was doubtless less than in 1899. More money was probably made from the grand stand and side-show percentages than usual. The total receipts are reported at over \$85,000, a decrease of about \$3,000, compared with last year, though the weather was most favorable. In many respects the exhibits were fully equal, if not superior, to those of 1899. We are glad to be able to say this of the live stock, fruits, flowers, agricultural products, poultry, carriages and wagons, musical instruments, fencing, confectionery, art, natural history, and probably the electrical and general machinery. In most of these, where fair management was actively concerned, efficient co-operation was given. But in other departments and in the general appearance of the grounds, evidences of degeneration were all too apparent. In proof, we point to the main buildings, which should be filled from bottom to top with the superb products of Canadian mills and factories and their industrial processes, resembling a bazaar for the sale of pink lemonade, sham jewelry and can-openers, and where the patient sewing-machine exhibitor and others vainly struggle against the shrieks of the graphophone. We do not wonder that all the piano and organ men have got out of this confused bedlam into separate buildings. We point to a depleted agricultural implement building—once the glory of the fair, a help to farmers, a splendid incentive and an opportunity to the manufactures themselves—now padded out with lunch counters and "hossless" carriages, a spectacle well calculated to make the founders of this great implement industry in Canada turn over in their graves. That it will react unfavorably upon the industry, as well as injure the fair, we have no doubt. One leading manufacturer, on his way home from Toronto, admitted this to us and said he really desired to exhibit. Fair managers can hardly be too liberal in regard to facilities for our manufacturers, who get no awards and show at great expense. Let them have ample space and power, and don't haggle over a few passes for attendants. Years ago, before the grand stand and the side show attained such prominence, thousands studied the implements in operation for

hours; now they rush for the attractions and stay there, and the portly director swells out his vest and bustles around to see that the lady acrobat and the clown in South Sea Island costume begin their educational exercises at the drop of the hat. Not only did the majority of the implement men abandon the Toronto and other exhibitions this year—for all are in the same boat in that respect—but, whoever was responsible for the location of the freak and fake side shows scattered them along one of the principal avenues of the grounds, so that the palace of illusions, the suggestive French pose, the illuminated skirt dance, with their noisy exponents, and the yellow-ochre and lamp-black manufactured savage, who hanged himself with a rope every ten minutes for the edification of the gaping crowd, and the disgusting female snake-swallower—all gave a cheap and nasty flavor to the Exhibition, distracting attention from its meritorious features. The side shows were not all poor. Take the ménagerie, for example, which contained a fine lot of wild animals, interesting and somewhat instructive to the curious youth. Why, in the name of common sense, cannot the disreputable sort be shut out altogether and the better class be arranged by themselves where they would not be obtruded on those who don't care for that sort of thing? Their character tends to grow worse, and the public taste can in time be demoralized and depraved. In all candor, we must confess that there is a revulsion of feeling in the minds of the public, and we would suggest that the Association lose no time in devoting a few meetings to the serious consideration of this subject. Let them heed the warning and turn over a new leaf before the storm breaks, as it certainly will. Some new blood representing our progressive manufacturers and some new ideas would do the Association a world of good at this juncture.

What more can be done to improve the character of the show? For twenty years past the English Royal, without any attractions whatever, has made an annual profit of \$3,000 per year, but it does not follow that our big Canadian shows, under existing conditions, could do likewise, but it does indicate the feasibility of at once beginning the work of reform. People will look at useful exhibits. Witness the throngs in the natural-history building and the packed benches at the buttermaking competition. What an instructive feature that might be made if the great \$20,000,000 industry was given a proper building where products, apparatus and processes could be shown near each other, instead of being shoved in an obscure corner under the grand stand! Multitudes would gladly study and be benefited by the cattle judging if a decent amphitheatre were provided where they could sit in comfort. Why not? The Association assuredly does provide a liberal live-stock prize list annually, but this outlay would be small and a permanent improvement. What an improvement could be made in the main and other buildings by presenting the products and actual processes of our useful arts and manufactures in a truly representative manner! A new dairy building is imperatively needed, more space for fruit, and improved accommodation for the carriage men. If the crowd want a spectacular grand-stand performance—and nowadays they do—all well and good; make it high-class and mainly an evening affair. What the show needs, and what it must have, if its future is to show needs, and what it must have, if its future is to be worthy of and a benefit to this country, is that the constructive energies of the management be devoted with some enthusiasm in the directions indicated, instead of being wholly absorbed in the race for grand-stand attractions; while the stock-man and the manufacturer are left to shift for themselves or have to fight for nearly every inch of extra privilege which they secure. In all seriousness we counsel the management of the Exhibition to institute active effort on the lines we have indicated

because there is reason to fear that other substantial exhibitors, finding the advantages of the exhibition waning, will follow in the wake of the implement men. The interests of both will be furthered, not by a spirit of antagonism, but by a united determination to keep the Industrial in its position of supremacy as the greatest and most beneficial to material interests of any exhibition on the American continent.

The Farm Water Supply.

Alike from the standpoint of domestic health, the profitable production of meat and dairy products, and the reduction of labor, we are fully satisfied that too few men fully realize the supreme importance of an abundant and a convenient supply of pure water at all times upon the farm.

The shallow, misplaced well, bricked or stoned up and carelessly covered, is easily contaminated by soakage from closets, kitchen slops or barnyard, and is a fruitful source of typhus or typhoid fever and other serious diseases. If the water is not kept low by liberal usage it is also liable to become impure. No wise or right-thinking man will thus jeopardize the health and lives of his family in this way. In many cases it is sheer carelessness or thoughtlessness rather than want of knowledge. If the well lies low extend the wall above the surface and grade up the ground so that the surface drainage will be away from, not into the well, and be sure it has a close cover, to keep out rambling toads and rats. For the upper part of the well wall, cement concrete makes a good, close finish. If you have any doubts about the purity of the water you are using, have it tested, particularly for organic matter. Almost any local chemist will gladly do this for you if you take him a sample in a clean bottle. If you wish a regular analysis made, send a sample to Prof. F. T. Shutt, Chemist at the Ottawa Experimental Farm. In case you find it impossible to secure a proper water supply in a dug well, have one bored. Do not stop short of a plentiful supply for all seasons, and be sure that it is pure.

It is surely hardly necessary at this late date to repeat arguments proving the necessity of an abundance of good water for all classes of live stock. Every man in his senses must know that there can be no profitable growth of meat or production of milk if the fly-tortured, sweltering, dust-choked animals have not frequent access to water to relieve their thirst, to supply the excessive waste that is going on in the body under such circumstances, and to build up the body and its products. If a dairy farmer will only for one moment think that normal milk to begin with consists of about 87 per cent. of water, how can he expect the cows to produce a liberal flow of milk if they have not sufficient water to drink? Want of it is the secret of the summer failure of many a dairy herd. Sheep, as well as cattle and horses, should have access to a flowing trough at will.

The location of the well is another all-important consideration, and the first point is to secure a convenient supply for the house. It is positively lamentable how beggarly cheap most farmers hold the flesh and blood and nerves of women? Why compel that wife or daughter of yours to lug water away across the yard, through heat and cold, mud and snow, year after year, for household use? The dearest possible power—dearest in actual cash if you want to put it that way—with which to raise water is your wife's elbow, whether attached to a pump handle or a old rope and pail, and if you don't know it yet you will some day, to your sorrow and your cost. Where a flowing spring, and a sufficient head can be got, a hydraulic ram makes a grand and simple system to supply both house and barn; but, as a general rule, the cheapest and most effective power is the windmill, with which water can be forced through pipes long distances and

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LONDON, CANADA.

raised to almost any reasonable height. With regard to storage, as far as the barn is concerned, the wooden tank located outside, thus avoiding leakages of water within the stable, and protected from frost, has been found the most satisfactory as a rule. A good plan, which we have seen in operation, is to force the water first through a small tank at the house, from which the wife can draw her supply with a tap at any moment, and as the water simply runs through the house tank to the barn the water is kept always fresh, at all events so long as the wind blows, and there are few days on which it fails, because a very little breeze is sufficient for pumping.

If the reader has not already tackled the water supply question, we would by all means advise him to do so, and that without delay, so that he will have a proper system in good working order before this fall passes. It will be money in your pocket and a satisfaction to your mind.

British Exports of Pure-bred Stock.

As mentioned in the FARMER'S ADVOCATE at the time when the British ports were a few months ago closed to live cattle, owing to the unfortunate outbreak of foot-and-mouth disease in the Argentine Republic, there was some trepidation among cattle breeders as to the effect on the price of pedigree cattle. There is little reason to doubt that it has to some extent affected the demand from that country, but live-stock breeders have been fortunate in that the trade with Canada and the States has developed to such an extent that any falling off in the Argentine trade has not been felt. Indeed, the returns for July show that both in the case of cattle and sheep there has been a distinct revival. It is quite possible that too much has been made of the foot-and-mouth disease scare, for some few of the highest priced animals—both cattle and sheep—have gone to the Argentine, but the improved demand from elsewhere is responsible for the in-

crease. In the case of horses, a different tale has to be told, but it cannot be construed as of evil omen to the horse breeders of Britain that the exports are decreasing. For nothing is there a healthier demand in that country at the present time than horses, and breeders find it more profitable to sell their best surplus sires at home, for it is said the foreigner is seldom willing to give the price. In all respects, then, it may be said that for the present the pedigree stock trade of Great Britain is in a satisfactory condition, and if the improvement be maintained breeders will have every reason to be satisfied.

Uncle Sam Will Eat His Own Butter.

Prof. C. S. Plumb, of the Indiana Agricultural College, who has been engaged in the popular theme of talking up the expansion of exporting Yankee butter to England, is taken to task by the New York *Produce Review*, which intimates that, as a rule, they can make more out of their butter at home. As the movement of high-grade butters from the United States to Great Britain is now inconstant, occurring usually only at a time when States values are below the average, it is evident to the *Review* that Britain is being supplied most of the year at lower prices than American manufacturers can obtain for their product in domestic markets; and in order to compete for a larger part of high-class British trade, production must be increased so much as to cause a lower level of values. It seems quite possible that States butter can be profitably produced at a price low enough to assure a more nearly constant outflow to British markets, but this condition can result only when other branches of agriculture afford no more profitable specialties for the labor of farmers. Under the present conditions the U. S. surplus of high-grade butter available for profitable export is relatively not large; but to make it larger will require a great change in the relation between production and home requirements, without which a change in the character and packing of goods to meet high-class British needs would be impotent to add much to the volume of such foreign shipments as can be profitably undertaken.

Good News.

We are glad to be able to state that never in the thirty-four years' history of the FARMER'S ADVOCATE did our readers appear to be so enthusiastic as they are at present in acknowledgment of the practical service which the paper is rendering all branches of agriculture. As publishers and editors, this is most encouraging, as is also the fact that new subscribers are coming in more rapidly than at any corresponding period in the past, and we have therefore resolved upon still further improvements in the paper, which competent critics now concede is already unequalled in agricultural or live-stock journalism.

We desire the assistance of our readers in doubling our present subscription list, by sending us in (1st) new subscribers, and (2nd) the names of persons in their neighborhood who are not subscribers, to whom we will send a free sample copy so that they can actually see for themselves the great value to be secured for \$1 per year.

We take pleasure in announcing that all new paid-up subscribers will now receive the balance of 1900 and all of 1901 for the one dollar. To encourage extra effort on the part of our readers, we are offering, as announced elsewhere in this issue, a superb and valuable list of premiums, including Young Collies, Watches, Fountain Pens, Live-stock Engravings, Standard Books on Agriculture, Self-Binders (for preserving the year's copies of the FARMER'S ADVOCATE), and Bibles, on terms more liberal than ever offered before. We trust our friends, young and old, will at once take advantage of them and send us in large lists of new subscribers.

AGENTS WANTED.

We desire good reliable and energetic persons to act as agents for the FARMER'S ADVOCATE in every district of Canada and the United States, to whom salary or commission will be paid. Write us at once for further particulars.

Mr. Caston's Last Article.

Through a typographical error the credit of the able and helpful article on "Picking, packing and marketing fruit," specially written for the Sept. 1st issue of the FARMER'S ADVOCATE by Mr. G. C. Caston, was given to the *Canadian Horticulturist*, when what was intended was that simply the engraving of the writer which appeared on the same page had been secured from our contemporary.

STOCK.

Our Scottish Letter.

August is pre-eminently the month of shows in the northern part of Scotland, and this year these events have as a general rule been highly successful. The shows in the west and south-west take place in the spring and early summer months, chiefly, no doubt, because these months best suit the Ayrshire breed, which dominates the agriculture of these localities. In the north, dairying and the dairy breed count for less, and show dates are not fixed with regard to their requirements. This year we have had an August characterized by

VERY CHANGEABLE WEATHER,

and it has been difficult to get two consecutive dry days. The week closing has been the best of the whole, and the forebodings on account of harvest awakened by the storms and floods of the earlier three weeks have to some extent been allayed. We have had storms and floods, and possibly the most abnormal rainfall ever experienced in August. In consequence, the whole aspect of harvesting operations has been altered, and farmers can look forward with some degree of heartening to the in-gathering of the grain crops. The work being done in the harvest field by the harvesters and binders is remarkably good in view of the flattened condition of the crops, the chief difficulty some times being to get the land firm enough to carry the binders. The close, wet weather has had a disastrous effect on the potato crop, and we are threatened with a bad attack of the blight. In spite of all that science has done, potato disease is one form of agricultural ill before which it is powerless. The only partial remedy is the introduction of new varieties from time to time, hence the value of the work done by Garton Brothers, Sutton & Sons, Mr. Findlay, and others. The turnip crop, which began splendidly, has not been looking so well recently, having in many cases become infected with anbury or finger-and-toe. This is a loathsome disease, and renders the root useless for feeding purposes. With the confidence begotten by the fine appearance of the turnip crop, trade for lambs, which began with a boom a fortnight or three weeks ago, has rather gone back, and prices now are hardly as good as they were. Still, flock-masters have no reason to complain, as prices generally are much better than they were in 1899.

Next month will see the ram sales in full swing, but meantime we have had the Corston Shropshire sale. Mr. David Buttar is known far and near as a spirited breeder of Shropshire rams, and his success at the Royal and the Highland has been very marked, while the merits of his Scottish-bred Shropshire rams are so generally recognized in England that many of the leading ram breeders in the South draw upon his flock for stud rams. In past years Mr. Buttar has had very good averages, and although he had no higher figure than 100 gs. this year, he had for his 60 shearlings the second best average of his series, viz., nearly £16. The highest-priced ram at the sale this year was the first-prize shearling at the late show of the Highland Society, which was secured for the Earl of Strathmore at 100 gs. Ram breeders in general are hopeful of having good trade this year, but my impression is that there will be an absence of sensational prices, and steady rather than extravagant averages.

We have recently been troubled with isolated outbreaks of foot and mouth disease, but the authorities seem at last to have got the upper hand of the trouble, and fears are being allayed. There was something uncanny about the most recent outbreaks—one occurring in the Holderness district of Yorkshire, and the other at a center so far removed from that as the Vale of Cluyd in Wales. A possible explanation of the Yorkshire outbreak has been given in the story of certain fittings from a disease-infested ship having been landed at Hull without disinfection and sold to a farmer in the same state; but how the disease found its way into the Vale of Cluyd has not up to this date been in any way indicated.

THE PORTS ARE STILL CLOSED

to cattle from the Argentine Republic, and it is quite possible that the result of this will eventually be the closing of the ports altogether to live cattle from abroad. This will probably not be an unwelcome change to breeders abroad, as with the increase of the system of cold storage it is quite likely that beef and mutton may be landed here in a condition differing but little from the fresh state. The Canadians have proved adepts in the adoption of cold storage, and could teach Argentina a few lessons on the subject.

THE HORSE TRADE.

Clydesdale exportation to Canada and the United States continues fairly brisk. Amongst the horses shipped to Canada during August were several of rather notable lineage and some distinction. Mr. McDonnell took away several from Mr. Peter Crawford, one of which was the fine big horse, Prince Frederick 8905, whose sire was the celebrated Prince of Wales 673, and his dam the noted breeding mare, Maggie of Balgredan 781, the dam of several of the most successful show animals of their time, including the full sisters, Laura Lee and Primrose, both of which were first at the Highland and the Royal. Mr. MacDonnell had other horses which gained prizes at Glasgow and other shows, while their sires were such horses as Royal Garty

8844, which twice won the Cawdor Cup. Mr. N. P. Clarke had amongst his horses which went to St. Cloud, Minn., the fine Macgregor horse, MacQuhae 8827, which has been for some years stud horse at Her Majesty's famous farm at Windsor, and was champion Clydesdale stallion at the Royal at Warwick in 1892. One of the most serviceable shipments of horses to Canada was made by Mr. Hogate, Toronto, on the 11th inst. Mr. Hogate wanted horses of weight and substance, and he got them from Mr. W. S. Park, Hatton, Bishopston, and in Aberdeenshire. He did not waste any money buying flesh—you can put that on more cheaply on the other side that we can here—but he bought some bone and muscle and weight and substance; in fact, Mr. Hogate bought some horses. The five horses were characterized by size and weight. One of them was Scottish Archer, which won first prize at the Aberdeen Spring Show when a three-year-old. He was bred by Mr. George Anderson, Fingark, and got by the famous horse, Sirdar 4714, which won first prize at Glasgow and second at the Highland, and bred by useful, well-colored, upstanding horses. Scottish Archer is big, well-colored and sound in feet and limbs. An unusually well-bred horse was bought from Mr. John Marr, Cairnbrogie, Oldmeldrum. He was descended on both sides from Mr. Marr's famous mare, Young Darling 237, uterine sister to the Merryton Prince of Wales 673. The three horses bought from Mr. Walter Park were solid, massive horses of good pedigree. One of the biggest shipments of the season went in the same ship with Mr. Hogate's. They were owned by Mr. Alexander Galbraith, Janesville, Wis., and made up 10 Clydesdales, 4 Shires, and 2 Suffolks. The Clydesdales were all purchased from Messrs. A. & W. Montgomery, and were a uniformly level, well-bred lot, some of them being got by the noted breeding horse, Baron's Pride 9122. Six were two-year-olds and four three-year-olds. Of these, Macgregor was sire of one; the renowned Cawdor Cup champion, Prenie of Carruchan 8151, was sire of another, and besides these there were horses by Prince Alexander 8890, another Cawdor Cup champion; the Royal winner, Tullyhallan 9455, and other premium horses. Mr. Galbraith's horses were of quite a different type from those shipped to Mr. Hogate, and it will be interesting to hear how the respective lots sell. A considerable shipment of Clydesdales is taking place to-day. Messrs. Dalgety Brothers are sending out nearly a dozen horses, one of which was got by the £3,000 horse, Prince of Albion 6178; while others are the great breeding horse, Prince Lawrence; the very successful breeding horse, Mount Royal 8065, which gained second at the Highland in 1891, and was sire of the renowned Cawdor Cup champion horse, Royal Gartly 9844; the splendid breeding horse, Prince of Carruchan 8151, and that other son of Prince of Wales, Prince of Cathcart 8195. Messrs. Coursey Bros., and T. Kelly, from Lucan, Ont., have shipped two horses, one of which is a two-year-old colt bred by the Duke of Buccleuch, K. T., and got by the dual Cawdor Cup champion horse, Hiawatha. This is one of the best colts exported this season.

SHORTHORN SALES

have been fairly numerous in England and Ireland of late, the most important event being the dispersion of the Ardferd Abbey herd, near Tralee, in County Kerry. This herd was established in 1838, and was dispersed in accordance with the terms of the will of the late proprietor, Mr. T. Talbot-Crosbie, who was also its founder. It was one of the most notable herds in Ireland, and persisted in its beneficent work all through the troublous times in Ireland, furnishing the farmers of the neighborhood with good breeding bulls, and probably doing more in this silent way to allay the discontent than all the efforts of politicians. Mr. Talbot-Crosbie was more a Booth man than anything else in the Shorthorn world, and not a few breeders in Ireland maintain, with some show of reason, that Ireland owes almost everything to Booth Shorthorns. Doubtless, their length and depth were useful in crossing with scrub cows, and while possibly not equal to Bates cattle in dairying properties, they ran them pretty close, and carried more flesh than the narrow, though very stylish, Kirklevington sort. At the sale ten days ago 112 cattle were disposed of, and the highest price was 115 gs., paid for a heifer calf out of the fine cow, Cumbrian Belle, and got by First Lord 6390. The old cow herself went to Mr. Wright, Nocton Heath, at 47 gs., and three heifers sold at 105 gs. apiece. The average price of the 112 head was £32 15s. 9d., a good trade surely for so many of all ages.

The Royal Dublin Society's great horse show—a unique event in its way—has just closed. It forms the great society event in the Irish capital, and is also the greatest market for hunting horses in the world. This year the show was visited by large numbers from Scotland, but in sympathy with all like events in England, there was a reduction in the number of "society" visitors. The South African war has brought desolation to so many homes this year that the "upper ten" are less disposed to go gadding about than is their wont. Still, Dublin Horse Show is a great event in every sense of the term, and Scotland got a fair share of the prizes in the driving classes, although, of course, very little is done here in breeding hunters, and those we do breed would get small recognition at Dublin. "SCOTLAND YET."

August 31st, 1900.

Death of Sir John B. Lawes.

It is with deep regret that we announce the death, on August 31st, of Sir John Bennett Lawes, Bart., D. C. L., LL. D., F. R. S., of Rothamsted, County of Hertford, some twenty-five miles north of London, Eng. He was born on Dec. 28th, 1814. Deceased ranked easily foremost among the world's investigators into the scientific problems relating to agriculture, and the world owes to him a deep debt of gratitude for the light which his labors shed upon the questions of crop-growing, soil fertility, and animal nutrition. Only a few months ago the FARMER'S ADVOCATE was favored with a personal letter from this distinguished man, promising the results of certain investigations of interest to our readers, in which he has lately been engaged, but which must now be completed by other hands and minds. Experimental work at Rothamsted was really begun in 1834, but the field work dates from 1843, when the brilliant services of Dr. J. H. Gilbert (since knighted) were called in as chemist, and whose fame, like that of Sir John B. Lawes, has gone round the world. Of the latter, we cannot do better than reproduce the tribute paid him by James Macdonald, F. R. S. E., in a recent volume of the Transactions of the Highland and Agricultural Society:

"The genius of the individual, we are told, is the birthright of man. An unostentatious but gifted squire, who has lived an industrious and happy life in the English County of Hertford, has, by his genius and public spirit, given to the world an inheritance so goodly that its worth can hardly be overestimated. It is sometimes remarked as curious; that while on the Continent of Europe and in America there are many agricultural experiment stations, Great Britain, which for centuries has led the van in agricultural progress, can claim to have had for any considerable period of time but one extensive center of original research. It is equally remarkable that the one extensive and important experiment station which Britain does possess



SIR JOHN BENNETT LAWES, BART., D. C. L., LL. D., F. R. S.

should be the oldest in existence, and that it has probably done more solid work for the advancement of agriculture than all its foreign compeers put together. In the world of science the position of Rothamsted is unique. For more than half a century it has been the largest and most systematically conducted agricultural experiment station in the world. Abroad, as at home, Rothamsted has become a household word. So much accustomed are agriculturists and scientists to speak and think of Rothamsted as a national institution that it is not often realized that it is absolutely and entirely the undertaking of a private citizen. The Rothamsted Experiment Station was founded by Sir John Bennett Lawes, has been carried on exclusively at his own expense, and by him it has been bequeathed to the nation, with an endowment ample for all time to come."

Toronto Exhibition Dates.

Among the incidental points brought out in the discussion of the conduct of the Toronto Industrial Exhibition has been that of the dates on which it is held. For the comfort of the masses, a very early date brings it into too hot weather, and this season it struck a busy season with the farmer. Fruit men also found the date too soon for the best display of the great Ontario apple and grape crops. In fact, most men with whom we have discussed the point thought the success of this year's fair was prejudicially affected by being rather "too previous." But this is a minor point compared with others which we have discussed in another article.

Balance of 1900 Free.

We wish to say to our many friends who are working for the very valuable premiums now being offered, that all new subscribers for 1901 paying the dollar now will receive the FARMER'S ADVOCATE regularly for the balance of this year free. For complete lists of premiums see pages 518, 519 and 550 of this issue.

The Toronto Industrial Exhibition.

HORSES.

There were few ~~any~~ marked general features of the horse exhibit that differed from that of last year. The entries numbered 875, as against 896 in 1899. Possibly the average of the animals were presented in better form, owing, perhaps, to the constantly improved feeling in the horse trade. Much credit is due the committee in charge of this department, as no pains were spared to aid the exhibitors and also to maintain an interesting display in the horse ring according to the advertised programme. The judging, except for speed, was all done in the smaller horse ring, beside which was erected a covered-seated stand, for the use of which a 10-cent admission was demanded. This was not patronized as largely as one would have expected; still, those who wished to view the animals in competition could do so comfortably. The calling out of the animals was also improved by means of a telephone system between the ring office and the stables. Superintendent Noble and his assistants worked faithfully and patiently to get the exhibits out on time, and would have succeeded well if the exhibitors had given the willing co-operation expected of them. All classes were commenced to be judged at 1 o'clock of the days advertised for them, and if the work set apart for the afternoon was not concluded, it was finished up next forenoon. An innovation introduced this year, and taken from the Royal Show of England, visited by Manager Hill, was the announcing of the awards in the ring by means of numbers corresponding with the catalogue numbers of the animals, the numbered cards being elevated on racks as the judges gave their decisions. The winning animals were then paraded before the spectators, affording opportunity for casual inspection. We would not neglect to commend Mr. Hill for removing from the side of the horse ring the noisy "Midway" that proved such an intolerable nuisance last year. It is evident that the Industrial management is ready to hear grievances and act upon worthy suggestions as far as it lies in their power.

CLYDESDALES.

From a farmer's standpoint the Scottish draft horse as he appears in Toronto is of first importance. We therefore give this class pride of position in our report. They were judged by Messrs. Job White, Ashburn, Ont.; Andrew Russell, Carville, Ont., and Arthur Hopkins, Professor of Animal Husbandry, Wisconsin State University. The first section to appear was for stallion and four of his progeny. The competitors were Graham Bros., with the fifteen-year-old Macqueen [402] with four foals; D. & O. Sorby, with Lord Charming and four yearlings; and J. O. Little, Sand Hill, with Westfield Stamp [1819] and a strong following of one- and two-year-olds. The display left no room for doubt as to the excellence of all these horses as sires, but the sweetness and uniformity of the foals, with the freshness of their sire at his age, placed Macqueen in first place. Lord Charming's stock would do any stallion credit, so even and good are they. It would be difficult to get together a better lot of legs and pasterns than this quartette displayed, while the sire is a model in form. This entry was placed ahead of Westfield Stamp, whose offspring carried rather more bone, and of good quality, than the others.

There was a good field of eight stallions four years old and upwards, several of whom were new to Canadian showings. Robt. Davies' Lyon Macgregor needs no introduction, and T. H. Hassard's Alexander's Heir was also forward, as well as Messrs. Sorby's Lord Charming. The contest for premiums lay with these and the newcomer, Baron Burgie, shown by Graham Bros. The last named, a big horse, with good ends, and a good shower, was the favorite with Judges White and Russell, but Mr. Hopkins considered him too flat on the rib and slack in his coupling to beat Lyon Macgregor. He has a good set of timber and feet, and he handles himself well for his weight, and these, with his high fitting, gave him the preference with the two first named judges. The decision took considerable time and placed Baron Burgie 1st, Lyon Macgregor 2nd, Alexander's Heir 3rd, and Lord Charming 4th. Lyon Macgregor was presented in better stud than show form, but still he looked and acted well. Alexander's Heir appeared in good form. He is a showy fellow with a good top. Lord Charming needs only a bit more size to beat them all; still, weight must be given its due value in these days of shortage in big geldings. No apology need be made for the three-year-olds, as each individual of the four shown was a right good animal. The winner at the spring show, J. M. Gardhouse's King of the Clydes, again held his position. He looks a bit raw after a big season; in fact, he is the sort of a horse that will take time to mature. He is a big one, with abundance of clean, hard bone, and good feet, and a well-made round body. He was sired by Ringleader, in Scotland. Graham Bros.' Bold Knight, by Macinnis, is an upstanding, choice colt, with a flash set of legs. Imported Prince of Hurlford, by Prince Alexander, a thick, strong, useful colt, was shown by Smillie Bros., and took 3rd award, ahead of Messrs. Sorby's Prince Delectable, a promising, handsome colt by Cedrie.

Probably the strongest section in the breed showed in 2-year-olds, there being eleven, and none below fair. This lot included a strong contestant for sweepstakes honors in Graham Bros.' imported Royal Cairnton, by Royal Standard (9847). He is a

typical Clydesdale in his underpinning, and his showy, aristocratic conformation will bear close examination, as he has a strong back, good loin, deep, full quarters, and is well coupled. The second winner was King Lyndoch, by King's Own. He was bred and exhibited by Robt. Davies. He is a choice colt in all his parts, and was well brought out. J. Stewart, Springbank, showed Lyon Steward, by Lassodie Rover, and won 3rd on him. He is a strong colt, a bit plainer than those above him, but possesses much outcome. Mr. Robt. Ness, Howick, Que., came 4th on imported Copy-right, by the celebrated Baron's Pride. To stand 4th in such a class was no mean feat, but we predict for this colt a more exalted position as he matures. He has a grand set of legs, and, barring accidents, cannot fail to mature into a very good horse.

The yearlings presented six colts, in keeping with the older sections. Here two worthy sons of Lord Charming, owned by Messrs. Sorby, won 1st and 2nd. The former is out of Venus and the latter out of Lady St. Clair. J. McCallum, Tavistock, won 3rd on Scottish Rover, by Lassodie Rover, a bay of much merit.

The three judges did not agree in deciding the sweepstakes award. Mr. Hopkins maintained a preference for J. M. Gardhouse's King of the Clydes, while the other men favored giving the award to the mature horse, Baron Burgie, who received it. In our opinion, however, no mistake would have been made had Graham's 2-year-old Royal Cairnton been the victor. Let him remain where he is, and he will yet reach the top.

The mare and filly sections were not overflowing with entries, but there was nothing lacking in the quality of the exhibits. A single individual came forward in the 3-year-old section—Graham Bros.' Royal Lady, by The Royal Standard. She is a right good mare, of the active, upstanding sort. The same firm won 1st and 2nd on the 2-year-old fillies by Startle and Charming Lady by Prince Charming. These grand fillies were bred by Col. Holloway, Illinois, and were out of Cherry Sweet and St. Cuthbert's Lady, respectively. S. J. Prouse, Ingersoll, won 3rd on a choice, compact, sweet filly, Jean of Hartland, by Roselin. Messrs. Davies and Sorby competed in yearlings, the former showing Nelly Lyndoch, by King's Own, and the latter Miss Charming, by Prince Charming. The latter mare was out of the noted Miss Stanley and the former out of Nelly. The contest was close, and might have been reversed without much injustice. Graham Bros. showed the brood mares, Cherry Sweet and Corinne, by Cedric and Queen's Own, both bred by Robt. Holloway; and Sorbys showed Miss Stanley. They are all choice matrons; in fact, amongst the very best in the breed. Miss Stanley was placed between the others mentioned. Macqueen foals won 1st and 2nd for Messrs. Hodgkinson & Tisdale, Beaverton, and Graham Bros., and the 3rd award fell to Graham's son of Macara and Cherry Sweet. The best mare of the breed was found in Graham's Royal Lady, a dry, mature mare whose equal would be hard to find in conformation, legs, feet, and style.

Messrs. Sorby's Princess Alexander and Sonsie Lass won over Messrs. I. Devitt & Sons' Nellie Macpherson and Topsy Macpherson in spans of Clydesdale mares or geldings. They are exceptionally good pairs of characteristic Clydesdale type, and were well fitted and harnessed.

SHIRE HORSES.

This class was pronounced upon by Mr. John T. Gibson, Denfield, and Prof. Hopkins, of Wisconsin. It is gratifying to see an increased entry of improved stallions of this breed shown. There were five entries made in either of the mature and 3-year-old sections, but no yearlings or 2-year-old colts. Messrs. Morris, Stone & Wellington had forward the frequent winner, Pride of Hatfield, that is now ten years old, but fresh and in fine form. He was defeated, however, by Bawden & McDonald, with Belshazzar, by Simon, imported last year. This is without doubt one of the best Shires that ever came to Canada. He has won many British victories, which speaks volumes for him. He is big and good in all his parts, and possesses much activity and vim. Mr. P. Harold won 3rd on the black Yorkshire Lad, a massive, wide horse of useful draft type. The victory for 3-year-olds fell to a beautiful imported brown colt shown by Bawden & McDonald. He is well matured along right lines, and has abundance of hard, flat bone. Messrs. Hogate & Co., Toronto, won 2nd, on Groundsow Charming, by Revival, a low-set, attractive colt, with a grand set of limbs. Imported Mars, by Vulcan, won 3rd for Messrs. Morris, Stone & Wellington. He is one of the big sort, with well-developed ends and good feet and legs. Belshazzar won the male sweepstakes.

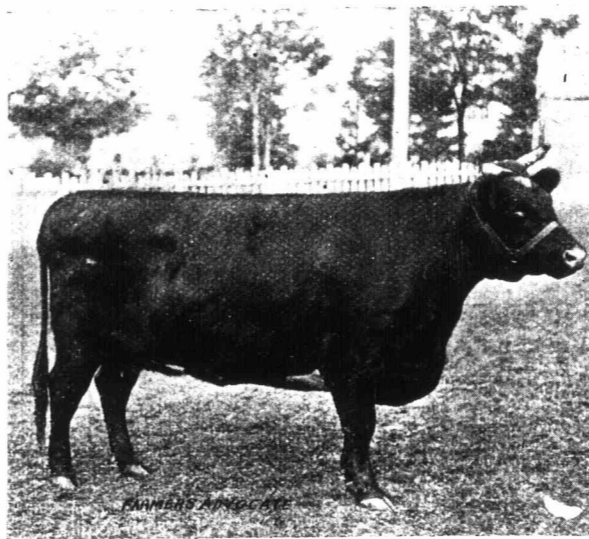
Messrs. Morris, Stone & Wellington owned all the females shown but two, and bred one of those shown by John Gardhouse, Highfield. The two 3-year-olds were sired by Pride of Hatfield, the winner being Gardhouse's Violet, out of Elsie Morin. These are a valuable pair of mares, with plenty of size, full of quality and style. Violet won the mare sweepstakes. John Gardhouse's other entry, Victoria, won 1st as a yearling, and Morris, Stone & Wellington won 2nd as well as 1st on the 2-year-old Leila, the brood mare Laura, and foal Birdie.

HEAVY DRAFT HORSES (CANADIAN-BRED ONLY).

This class presented a number of very good animals, especially in the mare sections. The first section called produced three rather good individuals. Alex. Doherty's Prince of Plantyre, by Prince

of Quality, is one of the deep, thick, drafty sort, much like his good sire. F. W. Broad's Grant Lad, by Granite City, is also a low-set, wearing sort of a horse, with good limbs. T. H. Hazzard's Bold Grandeur, a bright, upstanding, good-ended colt, won 3rd, the others winning as named. The two 2-year-olds were rather plain, and in the judges' opinion should have been gelded. The five 2-year-olds formed the strongest male section. John Miller & Son's Lord Roberts (2541), by Young Macqueen, was ultimately selected as male sweepstakes winner. He is a handsome, growthy colt, with a very flash set of legs. Amos Agar, Nashville, won 2nd on West York Stamp, by Westfield Stamp, a strong, brown colt with rare good ends and middle. Graham Bros.' Lord Roberts (265), by Young Macqueen, came into 3rd place, leaving two good colts without awards.

Three 3-year-olds, three 2-year-olds, and five yearlings included the filly entries forward. The best 3-year-old was Royal Princess, by The Royal Standard, a big, good sort, that was suckling a foal. She is owned by Hodgkinson & Tisdale, Beaverton. Amos Agar's Nancy of Nashville was considered next in value, but being foaled in Sept., 1896, she was ruled over age, since ages are all calculated from Jan. 1st, 1900. J. O. Little's Sadie Stamp, by Westfield Stamp, a stout, good filly, was the remaining entry. The 2-year-olds were an equally promising lot, and were well fitted. W. Woodhill's Bet, the best in the section, is a bright bay, thick, substantial filly, with rare good bone. Alex. Doherty's Glen Ina is of narrower stamp. She won 2nd over M. Laidlaw's Fay Stamp. Messrs. D. & O. Sorby's Charming Star, by Lord Charming, led the yearlings. She is a worthy member of the noted stud to which she belongs. W. Woodhill came 2nd on a worthy get of Westfield Stamp; and G. Crawford, Oro Station, 3rd, on May Bell, by Montrave Chief. This last named filly is a daughter of the first-prize brood mare, Moss Bank; also the winner of sweepstakes award. She is a strong, well-finished and well fitted black. Alex. Doherty won 2nd on the rangy chestnut brood mare, Daisy Belle, by Bruce; and Hodgkinson & Tisdale 3rd, on Moss Rose, by Blucher. She is a low-set, thick mare,



NONPAREIL 52nd.

First-prize Shorthorn cow and sweepstakes' female at Toronto Exhibition, 1900. PROPERTY OF J. & W. RUSSELL, RICHMOND HILL, ONT.

with very strong, good bone. The foal awards went: 1st to J. Cowie, Markham, on a son of Macqueen; 2nd to S. J. Prouse, Ingersoll; and 3rd to a daughter of J. Crawford's sweepstakes mare. Mr. Crawford also won 1st formare with two of her progeny, with Alex. Doherty in reserve. Five massive pairs contested in harness. Geo. Moore, Waterloo, is getting a reputation in this section, as he is seldom defeated. This year he won 1st and 2nd on two very choice entries, well brought out. P. H. Petrie, Stratford, won 3rd on a smaller pair of choice quality.

GENERAL PURPOSE HORSES.

There is some doubt in the minds of many horse-men as to the advisability of continuing this class at the Industrial. According to the prize list of the show, a general purpose horse is one suitable either for the wagon, carriage, buggy, saddle, or the plow. There were in all some eighty entries, and were generally of a clean-legged type, with substantial weight and action. There was a marked lack of uniformity as well as breeding. The judges, John T. Gibson and Prof. Hopkins, selected the sound, upstanding, well-muscled, active entries for the prizes. The sections were not open to stallions, but included mares or geldings, 1 year old and upwards, 3 years old, 2 years old, and yearlings, besides brood mares and foals, and teams in harness.

THOROUGHBREDS.

This class is improving year by year, chiefly in size and fitting. Mature stallions are shown in two sections, one for stallions 1 year old and upwards, and the other for stallions best calculated to produce hunters and saddle horses. Dr. Rush Huydikoper, Washington, D. C., awarded the prizes in a very painstaking and satisfactory manner. In section 1, four good animals competed, from the studs of J. E. Seagram, Waterloo; Wm. Hendrie, Hamilton; and E. White, Hamilton. The first

award was won by Connoisseur, by Sir Modred, a strikingly handsome chestnut of the strong racing type. Harvey, by Himyar, a strong, breezy fellow, high in the withers and with powerful quarters, won second, and Golden Badge, by Ben d'Or, 3rd. S. B. Fuller's Wyndham, by Warwick, has much more weight than he is credited with, so compact and powerful is he. He stands nearly 17 hands high, and is on comparatively short legs of superior quality. He won first as a producer of saddle horses, and was followed by Quinn Bros.' Woodburn, by King Alfonso. He is a rangy bay, of refined form. He is well developed, and goes well at all gaits. Joseph Mossip, Thorndale, won third on Temple, by Tremont, a bright, active horse, over 10 hands and of good type. Just one 3-year-old came out, and the judge considered him only fit for a second prize, which he received. Wm. Hendrie had it easy in the next two classes. His Kendalwater, by Derwentwater, defeated Gourt K, by Courtown, in 2-year-olds, and Dunrobin, by Derwentwater, was alone in yearlings. Connoisseur and Kendalwater contested for sweepstakes award, the victory falling to the mature horse. The filly and brood mare sections were the best we have yet seen at the Toronto Industrial. While there were several exhibitors with good things forward, the entries from the three noted stock farms of Wm. Hendrie, Jos. E. Seagram and Robert Davies won all the awards below 3-year-olds but first for foals, which was won by a colt, John Festival, by Billet, shown by M. Strong, Willowdale. The 3-year-olds included three fine fillies of notable breeding and form. R. Beith, Bowmanville, led the way with Haggis, by Strathclyde. She is a beautiful golden chestnut, of the recognized saddle type. C. E. A. Lloyd, Toronto, won second on a fine brown daughter of Springfield, and the third went to Nora K., by Monarch, shown by T. Webster, Brampton. Seagram won first and second in the next two sections on gets of Morpheus, Prisoner and Egmont, Hendrie coming 3rd on gets of Semper Rex and Derwentwater. They were all choice things, well brought out. In brood mares, the invincible Thistle, by King Ernest, again led and carried off the sweepstakes award. Robert Davies also won second on the plainer mare, Ettore, by Macaroni, and Hendrie 3rd on Pibroch, by Glenelg, whose foal by Derwentwater won second award.

ROADSTERS.

Apart from a few exceptions, the male exhibit of roadsters was considered by the judges, C. E. Eaid, Simcoe; Dr. A. B. Taylor, Hanover, and J. Harris, Woodbridge, of a rather inferior order. On the other hand, however, the geldings and fillies, also the mares and foals, were exceptionally good. There were seven aged stallions out, among which was the new-comer, Renville Boy, by Little Hamilton and out of Lizzie D, a very handsome black, of beautiful conformation, style, and high, rapid, catchy action. He easily won for his owners, Paxton, Graham and Callacutt, Port Perry, Ont., the 1st as well as the sweepstakes award. A breezy, handsome and rapid-gone chestnut, Gold Watch, by Gold Ring, won for E. M. Crawford, Brampton, 2nd place. The useful Haltoneer, by Altoner, won 3rd, and the strong pacing Stanton Wilkes, by Ohio Wilkes, stood in 4th place. Billy Hill and Star Wilkes, each by Harry Wilkes, won 1st and 2nd in three-year-olds, and a get of Gold Ring stood 3rd. Of the four two-year-olds, three were turned down for unsoundness, and the remaining entry was considered worthy of only a 3rd prize. The four yearlings were a better lot. T. Maddiford's Stanton Boy, by Stanton Wilkes, the 4th mature stallion, promises to develop into a strong, good horse. A son of the Thoroughbred Monotony won 2nd award.

No less than thirteen three-year-old mares or geldings came forward, and would do credit to any showing. The lot contained several fine gets of Harry Wilkes and Uncle Bob. One of the latter won 1st place for her owner, J. A. Owens, Alton; the 2nd falling to a well grown, handsome daughter of Banc; and the 3rd to a sweet, strong-joined and deep-quartered entry of P. Herald's, Tavistock. Gets of Oliver Wilkes and Uncle Bob won 1st and 2nd in a beautiful class of six two-year-olds, while Golden Jubilee and Ozark sired the 1st and 2nd yearlings, being followed by a choice gelding by Wiry Jim. The brood mares with foals at foot numbered well up to a dozen of useful matrons. M. E. Mitchell's Nellie, by Gold Leaf, the 1st winner, is a choice, aristocratic mare, with right good action. A trifle more bone would be no objection, but she is of prime quality. She also won for her owner 2nd on her foal by Uncle Bob. I. L. Martin won 2nd on Queen of Scots, a choice, prompt daughter of Winfield Scot; the 3rd going to a bigger mare, of carriage style, shown by T. Scott. The first-prize foal was by Golden Jubilee, and the 3rd by Billy Hill. The best mare in the class was decided to be Dr. F. J. Gallanough's Wilkey Bell, by Harry Wilkes, and dam by Little Hamilton. She also won 3rd in single harness, 15 1/2 hands and under. She is a neat, trim, well-finished black, with beautiful style and action.

The single and double harness sections were keenly contested by big fields. True, they were not all crackers, but every winner was a good horse or pair of horses. In pairs 15 1/2 and up to 16 hands, a pair of active, good-roading bays won 1st for Philip Miller, and a cool, strong, well-mated team, shown by A. Yeager, won 2nd, and J. A. Fuller 3rd. A large field was presented in pairs 15 1/2 hands and under. The pair, Vicar and Victor, by Dashwood,

that won 2nd at the 1900 Canadian Horse Show, won 1st on this occasion. They are owned by Miss K. Wilkes, Blair, Ont. They are showy, rapid and well mated. J. D. McGibbon won 2nd and W. T. Merry 3rd on well-matched, good pairs. The two single sections contained twenty and twenty-three entries, respectively. Among the numbers were many well-bred ones, some with race records. Gets of Almonte Wilkes won 1st in either section, both shown by T. C. Green, Stony Creek.

STANDARD-BRED TROTTERS.

W. C. Kidd, V. S., Listowel, and Dr. Huydikoper, Washington, judged this class. The entries were not many, but a number of choice animals were presented. The mature stallion section had seven horses forward from an entry of ten. The good horse, Pavonia, by Jersey Wilkes, shown by E. R. Hogate, Woodstock, won 1st award. He is a strong, straight-going, deep-chested horse, with a deal of refinement and finish. Altoneer, by Sphinx, an upstanding, breedy horse, with considerable speed capacity, came 2nd. He is owned by Fisher & Button, Ringwood. Monbars, by Eagle Bird, won 3rd. A single get of Altoneer was alone in each of the three-year-old and two-year-old sections. They were good colts, however, and well brought out. Pavonia won the stallion sweepstakes award.

The gelding or filly sections were light. Robt. Davies won first on a three-year-old daughter of Prairie Bell and Altoneer, and 2nd on her two-year-old sister; J. Childs winning 1st on the three-year-old Belle Hermit, also by Altoneer. The single harness section contained a valuable, but small, entry. Crow & Murray won first on Stanbie, a clean-going, rapid horse, with a deal of finish. F. J. Gallanough won 2nd on a beautiful daughter of Forest Mambrino, and J. A. Lovell 3rd on Dora Wright, by Guelph Bay.

CARRIAGE AND COACH.

Mr. A. Moren, Barrie, and Dr. Huydikoper, placed the awards in this class. In mature stallions the frequent victor, Graf Bremer, again led, but when the sweepstakes award was contested the two-year-old Lord Roberts, by the late Thoroughbred Wiley Buckles, defeated him. The stallion, Torrington Boy, a really beautiful horse, owned by C. Head, Guelph, won 2nd. He is breedy, fine, has a deal of substance, and a great mover. W. C. Brown's Prince George, by Prince Victor, the winner of 1899, came into 3rd place. He is more of the coach than carriage form, and is not a sensational actor. The colt sections were lightly filled. Amos Agar won 1st on the three-year-old Lord Minto, by Candidate, a big, promising fellow; and Prince Arthur's Prince Imperial won 2nd. The sweepstakes Lord Roberts put up really a sensational exhibition. His action, which is equal to a hackney, was the more surprising when his Thoroughbred parentage was considered. He is of beautiful pattern and was well brought out. A free-moving, good-looking son of Shining Light won 2nd. Just one yearling colt appeared, a plain, big son of Shining Light.

The gelding or filly sections contained about the usual number of entries, from four to six, of mixed types. Among them were the gets of Thoroughbreds, Standard-breds, German Coach, Hackney, and Cleveland Bay. In three-year-olds, Torrington Boy's Margaret, shown by J. Starkey, won 1st; while a get of Picador won 2nd award. In two-year-olds, J. Lawson won 1st on Gold Buckles, by Wiley Buckles, a beautiful chestnut, of sweet carriage pattern. A get of the coach horse, Prince Arthur, won 1st; of the trotting horse, Oliver Wilkes, 2nd; and of the hackney Square Shot, 3rd. The brood mares with foals were a moderate lot. The big bay Princess Royal, of coach type, won 1st for W. C. Brown. She is a right good one, with good action. In foals, the gets of the Thoroughbred Wiley Buckles 2nd, and of the hackney Woodlands Performer 3rd. This does little to teach how to produce carriage horses.

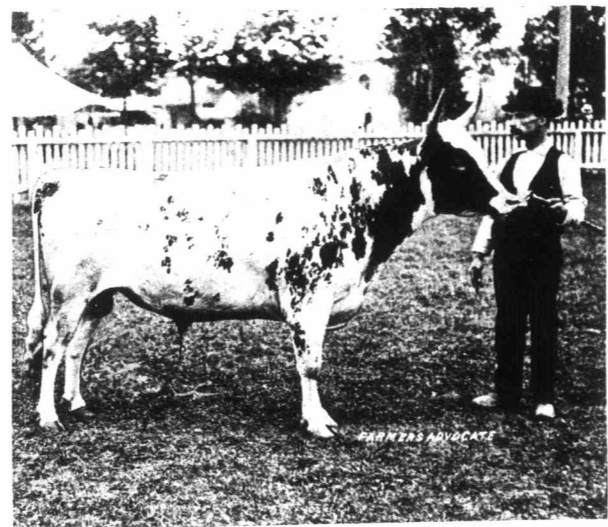
The harness sections, both single and double, contained choice horses, fitted, groomed and shown to best advantage. In pairs, as in single animals, the blocky, forceful, high-stepping, good-mannered entries received the preference. Messrs Yeager, of Simcoe; Crow & Murray and Clancey, Toronto; R. Beith, Bowmanville; W. C. Brown and C. Head, Guelph, were the chief successful exhibitors. It is of interest to know that the 3rd-prize pair between 15 and 16 hands are the same horses as won at the spring show as cavalry and mounted infantry horses. They are stout, good looking, and step well together. They were illustrated in the FARMER'S ADVOCATE for May 15th, 1900. Probably the most sensational horse in this class was Crow & Murray's South Africa, a black daughter of Jubilee Chief. She is of beautiful form, well fitted and schooled, and goes high and rapid. Something like \$3,000 is the price mentioned for this entry.

HACKNEYS.

This class, as usual, attracted an interested crowd of spectators. For symmetry of form, beautiful action, amiable disposition, and intelligence, the Hackney seems to hold a pre-eminent position among horses. Of the seven entries made in mature stallions, four came before the judges, W. H. Gibson, Claire, Que., and W. West, Ballington, Vt. Of these, the former champion, Squire Pickell, by Colet, and owned by Robt. Beith, Bowmanville, again defeated his rivals. He is in capital form, carrying possibly more flesh than ever before, but his well hardened, and showed improved action

before and behind. Whether standing, walking or trotting, he is a really beautiful horse. His carriage, shoulders, girth, arm, back and quarters are just about as they should be, while his middle is as round and well-coupled as we ever saw. The nearest rival was Bell Boy, by Courier, shown by Dr. J. Watson, Howick, Que. He is a right good one, much the same as Squire Rickell in conformation, but lacked somewhat in dash and finish. The chestnut, Woodlands Performer, sold by Messrs. Sorby to Mr. A. Little, Georgetown, was the next choice. He is by Barthorpe Performer, and out of Miss Baker. He is just four years old, but the largest horse in the party. He has a good way of going, and will doubtless improve. Mr. Crossley's roan, Rosseau Performer, came out in his usual good form, but he was not going right, and therefore was not placed. Graham Bros.' Stampede, by Wildfire, and Hodgkinson & Tisdale's Rosseau Swell, by Royal Standard, competed in 3-year-olds. The former is a well-put-up chestnut of good size, and has plenty of dash and vim, and attractive, high action. Rosseau Swell, a dark strawberry-roan, is also a beautiful colt and quite a sensational goer. They won as named. A candidate for sweepstake honors, and one that promises to reach that goal as he matures, was H. N. Crossley's 2-year-old Rosseau Royal Oak, by Royal Standard, and out of Lady Cocking. He is a flash, showy, refined black, with white feet and legs, which he is able to handle in a very attractive manner. In the sweepstakes contest he was defeated by Squire Rickell.

The 3-year-old fillies, five strong, were a beautiful, well-presented lot of five. A daughter of the grand old mare, Princess Dagmar, that has gone back to England for breeding purposes, and the noted horse, Barthorpe Performer, won 1st for her owner, J. S. James, St. Catharines. The is named Queen Dagmar, and is a right good, upstanding, evenly-developed filly, with capital action. Miss Roberta, from the Rosseau stud, won a worthy 2nd. She is a strong, dark bay, big filly of good parts, that was sired by Rosseau Performer, and out of Lady Bird. A production of Hillhurst Farm, now owned by Robt. Davies, won 3rd award. She is Danish



DUKE OF CLARENCE OF BARCHESKIE.

First-prize 2-year-old Ayrshire bull and male champion, Toronto Exhibition, 1900.

OWNED BY R. R. NESS, HOWICK, QUEBEC.

Lady, by Danish Duke, and out of Lady Lynn. She is roan in color, carries a nice top, and goes well. Robt. Beith won 1st, 2nd and 3rd on 2-year-old fillies sired by Royal Standard, Jubilee Chief, and Ganymede, respectively. This stud also produced the 1st and 3rd prize yearlings, sired by Squire Rickell, Mr. Crossley's Countess Josephine, by Fireworks, coming between them. Mr. Davies had no opposition to his brood mare, Lady Lynn, and her foal by Barthorpe Performer. Mr. Beith's Mona's Queen, the dam of the late Banquo; Jessica, and several other good ones won 1st for single Hackney horse, mare or gelding, in harness, the 2nd going to Mr. Davies' Danish Lady. Mona's Queen also won the English Hackney Studbook medal for mare or filly, and Rosseau Performer won the corresponding medal for stallion or colt. Messrs. Crow & Murray won 1st on South Africa, by Jubilee Chief, as best stallion, mare or gelding, any age, by a registered Hackney stallion, and out of a registered or unregistered mare. The same firm also won for pure-bred or grade saddle Hackney.

Although there were many entries made for high-steppers, single and double, very few came forward to compete. Messrs. Crow & Murray won first and second in either case; C. Head, Guelph, winning third in pairs. The winners were in every case high-class, beautiful, well-fitted horses, with a deal of rapid, high, forceful action. In the dog-cart and cob sections there was a class of horses that could not have been found in Canada a few years ago. They were stout, handsome, resolute horses, with beautiful, high and forceful action. Successful exhibitors were such firms as Messrs. Crow & Murray, Lowes Bros., Robert Beith, and Yeager, of Simcoe. A number of choice entries were made by other Toronto gentlemen.

HUNTERS AND SADDLE HORSES.

The entries in these sections seem to increase year by year. On this occasion there were some

200 entries all told. They were judged by F. C. Grenside, V. S., New York, who pronounced them high-class; at least, those able to win prizes. The great majority of the entries were from Toronto, but some Guelph and London horses won good prizes, especially in the hunter classes. Mr. Geo. Pepper, Toronto, had out a long string of well-schooled, good horses, and came in for a good share of victories. Mr. L. Meredith, London, and C. Head, Guelph, were also fairly successful. An entry of Mr. Meredith's won the high jump of 5 feet 8 inches. The Thoroughbred type predominated in all the sections, and refinement, finish and performance received favorable consideration from the judge.

PONIES.

This class, too, was well filled with well-fitted, good ponies, both in single and double harness and under the saddle. The pony trotting and running races were keenly contested.

CATTLE.

Considering the unusually heavy drafts of show animals made from Canadian herds of the beef breeds of cattle for exportation to the United States, during the past year, the display at the Toronto Exhibition, though somewhat lighter in some classes than usual, was quite equal to any reasonable expectation, and was on the whole exceedingly creditable to the enterprise, judgment and skill of the breeders and exhibitors of this class of stock.

SHORTHORNS.

Owing to so many of last year's prizewinners in the older sections of this class having been sold to leave the country, the entries in those sections were not numerous, and the exhibits were not sensational in character, and yet in nearly every one there were some excellent animals, while in the sections for yearlings and for calves under a year the display was uncommonly strong, and was indeed such as to evoke enthusiasm among breeders, to give inspiration to all interested in the breed, and to command the admiration of onlookers. The hope of the country centers in these younger classes in all breeds of stock, and in the preparation of the prize lists the greatest encouragement should be given to these. We can well do with fewer overfed old campaigners in the showing, but we cannot have too many well-nourished youngsters of the proper stamp. The two-judge system was continued in this class, with the result that wearisome waiting for decisions was the rule, the exhibitors and the cattle showing plainly that they had aged under the operation, while the judges, after solemn consultations and compromises, must have felt that in some cases they had failed to satisfy themselves, the exhibitors, or the public. One of them would have done the work in half the time, and probably with less than half the number of mistakes.

In the section for bulls over four years there were six entries, and the first place, by common consent, was given to Charles Dickens, a red and white, coming five in December, bred and shown by J. & W. B. Watt, of Salem, and sired by Royal Sailor. He was not highly fitted, but just in good breeding condition, and it is a pity when bulls good enough to breed from are forced into higher condition than he is. He is, like most of Royal Sailor's get and of the Watt breeding and feeding, smooth, well-fleshed and useful looking. The second-prize bull was Duncan Stanley, bred and shown by J. & W. Russell, Richmond Hill, a roan bull in his nine-year-old form, a son of Stanley and Isabella 14th. He is a bull of great substance and thickness of flesh, with great depth of ribs and flanks, and has proved an excellent sire, but has seen his best days as a show bull. The third prize went to Beau Ideal, a big red five-year-old bull, bred by John Miller & Sons, sired by imp. Sittyton Stamp, and shown by Grainger & Son, Londesboro. He is lengthy, level, and smooth, and was considered by some worthy of a higher place in the prize list. There were no three-year-old bulls entered, and only three two-year-olds. It was not a strong class, but J. & P. Crear's imported red bull, Captain Mayfly, by Captain of the Guard, was easily first; Fried & Son's red imp. Kinellar Stamp, second; and J. & W. Russell's roan, Royal Bounty, third. The strong feature of the male sections of the class was the yearling bulls, of which there were eleven entries, more than half of which were highly meritorious. The white bull, First Choice, bred by the Watts and shown by them last year, winning first then as under a year, now owned by Capt. T. E. Robson, Elderton, was again the first choice of the judges for first place in the prize list, and in this respect has been appropriately named. He is a son of Mr. Greenway's Judge, also bred by Messrs. Watt, and was a superior calf as he is a superior yearling, smooth and evenly fleshed, and full of high-class quality. He would be a rash critic indeed who would undertake to point out holes in First Choice, and this makes it all the more complimentary to Mr. Cochrane, of Hillhurst, that his red-roan imported Duthie-bred bull, Joy of Morning, by Pride of Morning, placed second, was first favorite for first place with the bulk of the breeders present. For a combination of the virtues of scale, substance, quality and character, his equal of the same age has seldom if ever been seen in a Canadian showyard, and we shall be disappointed if, as a sire, he does not prove to be worth his weight in gold. The decision in this section virtually settled the question of the male championship of the class. The third prize also went to Hillhurst Farm for the red

imported Hillhurst Baronet, bred by Lord Baring, and got by Christmas Gift, a bull of much merit, low set, smoothly turned, and of good quality. Royal McGregor, a red bull, bred by H. Cargill & Son, Cargill, and shown by D. Talbot & Son, Everton, sired by imp. Royal Member, was a strong claimant for third place, and probably no injustice would have been done had he been so placed. He has many strong points in his favor and ranks among the best yearlings in the country. A bull which attracted much attention, and was admired by many, is Governor, a massive, smooth-fleshed roan, shown by Eastwood Bros., Mimico, and bred by W. R. Elliot, Hespeler. Grainger & Son's red

Robson's roan five-year-old cow, Frieda, by Abbotsford, and Goodfellow Bros.' red six-year-old, Sowerby's Lass, by Mina Lad, for second and third places. Frieda came out in capital bloom, carrying the same fine quality of flesh that she did as a two-year-old, and there was no quarrel when she was placed second. Neither would there have been if the red cow had been given the place, for she is an honest cow, if there be one, having bred two calves within the twelve months, her latest, a right good one seven months old, being present at the show, and she is a beautiful cow, smoothly covered with first-class flesh, and without a weak point in her make-up. The third-prize cow should not have

bred by himself and sired by Royal Sailor, the first and second-prize ribbons in such a phenomenal class. These were the roan Mildred 8th, full sister to Mildred 6th, which was second-prize 3-year-old cow at Toronto last year, and the red Matchless 25th, full sister to Mathless 18th, the first-prize cow of the same age and the champion female of the class in 1899, which, in the present case, were placed in the order named. It is almost equally complimentary to the Hillhurst herd to say that probably a majority of the breeders present thought so highly of the rich roan imported Moir-bred heifer, Fancy Lady, by Prince of the Vale, that they would have placed her at the head of the list, although the judges put her fifth. Capt. Robson got into third position with the grandly-furnished roan, Lady Sowerby, bred by Mr. William Linton and sired by British Lion, and to the Captain also fell the fourth award for Lavinia's Blossom 3rd, a lovely roan of similar stamp, bred by himself and sired by Blue Ribbon. The heifer calves were also a great class. There were twenty-seven entries in the catalogue, and twenty filed an appearance. This is always a difficult class to judge when there are many good ones, as there always are at Toronto, and the judges made it unnecessarily difficult for themselves by wandering all over the field for an hour before making a draft. There were at least a dozen toppers, and as in the case of the yearling heifers, not an outstanding first, and probably not one of the exhibitors was more surprised, considering the hard lines that had fallen to them in other sections, than were Goodfellow Bros. when their entry, the red Golden Pansy, by Golden Flame, was drawn out for first place. It was doubtless an unconscious compliment the judges paid them as breeders and fitters, when, after selling their best heifer calf for a big price to strengthen a prominent show herd in the States, they declared by this decision that the second best calf from the Macville herd was good enough to head the great ring of calves at Toronto. W. C. Edwards & Co., Rockland, showed a magnificent quintette of calves, got by the grand Duthie-bred bull, Marquis of Zenda, which speak volumes for his potency as a sire, and well sustains our estimate of his value as a breeder, as expressed in our report of last year's Toronto show. There might well have been three of the five in the prize list, and one at the head of it, but only the second prize fell to one of them, Lady Hamilton, a rich roan of great substance and quality. Capt. Robson came in for the third card in the shuffle with the red Lady Zoe 6th, by Blue Ribbon. R. & S. Nicholson, Sylvan, had the fourth winner in the white Vacuna 56th, by Royal Standard, a beautifully-fleshed heifer; while J. & P. Crerar, Shakespeare, were relegated to fifth place with the comely yellow-red and white Gem of Ballechin 2nd, by imp. Diamond Jubilee and out of imp. Gem of Ballechin, a calf that was so greatly admired by many of the breeders present that they would not have raised the first objection had she been crowned queen in the contest.

The female championship was awarded to J. & W. Russell's first-prize cow, Nonpareil 52nd. For the best four calves bred and owned by the exhibitor, the prizes were awarded, first to W. C. Edwards & Co. for a quartette sired by imp. Marquis of Zenda; second to J. & W. B. Watt for the get of imp. Royal Sailor; third to R. & S. Nicholson for sons and daughters of Royal Standard; and fourth to T. Douglas & Sons, Strathroy, for the progeny of Valkyrie. For the best four females, bred and owned by exhibitor, the first prize was won by J. & W. Russell; second by J. & W. B. Watt. For the best three animals, progeny of one bull, first place was given to the exhibit of J. & W. B. Watt for the get of Royal Sailor, and second to J. & W. Russell for a bull and two females got by Prince of Wales = 27131 =. The first was a popular decision and a proper one; the second was decidedly unpopular, and was considered one of the greatest mistakes of the day. The open herd prizes for one bull and four females over one year were awarded,



PRIZEWINNING LEICESTER SHEEP.

Toronto Exhibition, 1900.

OWNED BY A. W. SMITH, MAPLE LODGE, ONT.

Look-at-Me, by Beau Ideal, is also a capital sort, as also is T. Douglas & Son's Sandy Burk, by Valkyrie, and Watt's roan Royal Victor, by Royal Sailor.

In the section for bull calves under a year old there were 20 to face the judges, and a capital class they were, with hardly an exception. There were five prizes to award, and it was no easy task to pick out the five best and place them in their proper order. The judges took a long time to it, which might have been much shortened and better work done, with more satisfaction to onlookers, had some system been observed in drafting, selecting and placing the animals.

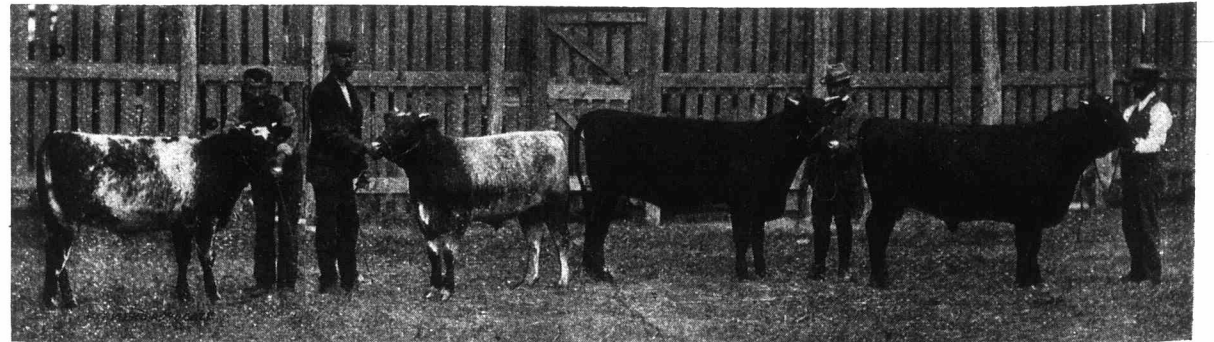
An outstanding first was found in Watt's red Royal Wonder, by Royal Sailor and out of English Lady 11th. He is one of the very best ever shown at Toronto. He has style, substance, symmetry and quality to the Queen's taste, is every inch a winning show bull, and gives promise of continuing to be that for years if he lives, and he looks like living as long as the last in the list. Captain Robson was certainly fortunate in capturing second and third in such competition. He won the second worthily with the red and white Ribbon's Choice, bred by himself, twinned with a heifer sired by imp. Blue Ribbon, out of Rose Hill, built on the plan of the first-prize calf, though not so well developed and promising to go on to be a good one. White is a fortunate color, if it be a color, in the showing, and the Captain's white calf in this case, Royal Bob, by Royal Standard, putting it mildly, got into quite as good a place as he was entitled to. He has excellent quality and many other strong points, but he passed by several bulls that were better balanced and might well have been placed before him. Goodfellow Bros., Macville, showed four rattling good calves and got into fourth place with a roan Watt-bred calf, James Stamford Watt, by Balmoral, dam Salem Stamford, a right good one, though they had two or three of their own breeding that were nearly if not quite as good. The fifth-prize calf, Knight Errant, a rich roan, bred and shown by W. C. Edwards, Rockland, and sired by British Knight, would have been more properly placed third. He has ideal quality of flesh and hair, and well balanced conformation, and is no fifth-prize calf, as one may judge from the fact that he has been purchased as a head for his herd by so good a judge as James Leask, of Greenbank, who selected Moneyfuffed Lad and made a champion of him, who showed Royal Banner, the first prize yearling last year at Toronto, sold as a two-year-old at the Platt sale at Chicago for \$1,505, and who knows a good thing when he sees it. The sweepstakes for best bull of the breed, any age, went to Capt. Robson's 1st-prize yearling bull, First Choice.

Half a dozen entries lined up in the ring for cows over four years, and a clear first was found in J. & W. Russell's red seven-year-old Nonpareil 52nd, bred by themselves, as were all the animals they showed—a cow which in our report of the Toronto show last year, we claimed should then have been first, but which was placed second to the cow which, shown by the same firm this year, got into third place. There is probably not a better show cow of the breed in America than Nonpareil 52nd; she has size and scale, symmetry and quality in high degree; so perfect are her lines that, cut off her head, and you have a parallelogram. She is in higher condition than a breeding cow should be, which is about the only fault that could possibly be found with her, and that is not hers, so much as her feeder's; but we are assured she is a breeder, and she is as active as a two-year-old. To onlookers it seemed to be clearly a question between Capt.

been considered in a class for breeding cows, as she is over five years old and has never bred a living calf, and withal she is patchy and uneven in her flesh. The decision was an outstanding object lesson on how not to be consistent, and how not to reward usefulness, and it was little wonder that as he left the ring, Goodfellow was a mad fellow. It was a long jump from Frieda to Centennial Isabella 36th. Frieda was never large, but she looks little sandwiched between two such mountains of beef as the first and second prize cows.

Six three-year-old cows competed. It was not a strong class, but the first-prize winner, the red Centennial Isabella 45th, is a very good one, smoothly fleshed and showing strong constitution. Crerar's imp. roan, Ballechin Daisy, won second, and Goodfellow's roan, Salem Stamford, third prize. Five two-year-old heifers made a fairly good class, and Russell's roan Centennial Isabella 47th was rightly placed first; the second prize went to the same firm for the roan Nonpareil 58th, and third to Capt. Robson's imp. Craibstone Baroness, who was shown in field condition, having nursed her own calf. Goodfellow Bros. had an excellent entry in this class in the red and white Lavender Lass, which many of the breeders considered should have had a place in the list instead of the second-prize winner.

The sensational feature of the Shorthorn class was the ring of fourteen yearling heifers. It is safe to state that never in a Canadian show were so many of so high an order of excellence seen together, and a prominent breeder and importer, recently returned from Scotland, where he attended the Highland Society's show this year, declared emphatically that the display of heifers of the same age at that ancient but honorable, yet up-to-date show, was not in it with the exhibit in this section at Toronto. The beauty of the class was its uniformity of excellence, which was so marked that it was with great difficulty that anyone could satisfy himself in picking for the best. There was not an outstanding first in the ring, for the reason that nearly all were first-class, and it



SOME TOPPERS FROM THE SHORTHORN HERD OF ANDREW GRAHAM, POMEROY, MANITOBA.

The two roans, sired by Imp. Knuckle Duster, were first-prize bull calf and second-prize heifer calf; the red bull, second-prize yearling, and the red heifer, third-prize yearling, at Winnipeg Industrial Exhibition.

was largely a matter of taste how they should be placed. There were five prizes to be awarded, and though it was generally conceded that the judges selected the five best heifers, there was by no means a unanimity of opinion as to the order in which they should be placed. It was an interesting coincidence and a decided compliment to the skill and judgment of Mr. Watt as a breeder that the judges finally tied to two of his four entries,

first to J. & W. Russell, second to T. E. Robson, third to J. & W. B. Watt. The herd prizes for bull and four females under 2 years went, first to Robson, second to Watt, third to Hillhurst Farm. The latter herd was greatly admired by breeders, and if judged on the basis of value would have stood higher in the prize list, but the judges, of course, had to be consistent, and, comparing the awards they had made in the former sections of the class,

could not see their way to place them higher. It is worth considering whether to meet this difficulty it would not be an improvement to have a special judge to award sweepstakes and herd prizes. It is worthy of note, and exceedingly creditable to the breeder, that the whole of the animals in the exhibit of Mr. Watt, which was so successful in the competition in this class, were bred by himself, and sired by one bull, Royal Sailor. The awards in this class were made by Hugh Thompson, St. Mary's, and Wm. McIntosh, Burgoyne.

HEREFORDS.

The Hereford breeders have had a good year. The demand for bulls has been brisk, and sales of these have been satisfactory. As a result the breeders are in good spirits, and they brought their cattle out to the Toronto Fair in larger numbers and in even better bloom than usual, reflecting credit on the faithful herdsmen in charge. Three very strong herds were well represented by entries in nearly every section in the class. The exhibitors were Messrs. H. D. Smith, Ingleside Farm, Compton, Que.; W. H. Hunter, The Maples, near Orangeville, Ont.; and the Stone Stock Co., Guelph. The class was judged by R. J. Mackie, Oshawa, and Caleb Rawlings, Ravenswood. In aged bulls, Mr. Smith's well-known champion, Mark Hanna, came out in his three-year-old form, fully matured and looking better than ever before. He has certainly developed into a great bull, and carries a wealth of high-class flesh smoothly and evenly distributed. He stands on strong, short legs, well set under him, and if his head and legs were cut off, his body would be as near a cube as any beef animal we have ever seen. He has wonderful heart-girth, crops and loin, and fills the bill fully for an ideal beef bull. He repeated his former record of winning the male championship of the breed. In two-year-old bulls, Mr. Smith scored first and second with Amos 5th of Ingleside and Sir Ingleside, both sons of Sir Horace, the Corrector bull formerly in service in the herd, now at the head of the herd of Mr. W. W. Black, Amherst, N. S., and one of the best of the breed in the Dominion. These are like their sire, lengthy, low and level, with model heads and well-fleshed backs and ribs. The Stone Stock Co. won third prize on the imported bull, Baronet, who has greatly improved since last year, and is a right good representative of the breed, but shown in only good working condition. The Ingleside herd had also a popular first-prize winner in the yearling class, in Prince Ingleside, another son of Sir Horace, and one of the very best young bulls of the breed shown here in the last ten years. He is a model Hereford, with a handsome head, short face and wide between the eyes, and the most approved type of horns. He is short-legged and thick through the heart, deeply fleshed on the back, has long, level quarters and big thighs. He will surely go on to be a show bull for years. Mr. Hunter's Van Natta-bred bull, Young Actor, by Actor, and out of Lady Grace, won second prize, and is a very promising young bull of the proper stamp, bound to go on to be a good one. The Stone Stock Co. scored first and second in bull calves with Stone's Clarence 1st and 2nd, by Clarence, and out of the cows, Sweetheart 3rd and 3rd. These are typical representatives of the breed, full of quality and promise.

Eight really good cows contested for honors, three of which were from the Maples herd, four from Ingleside, and one from the Guelph herd. The three prizes were captured by the Ingleside herd, the first going to Chatterbox, 2nd to Lady R, and 3rd to Duxmoor Brenda, all imported. In three-year-old cows, Ingleside won first with Sylvan 7th, by Sir Horace, and third with imp. Lady Bountiful, the Stone Co. contributing the second-prize winner in Ionie, by Young Ingleside 2nd.

In yearling heifers, the Stone Co. got into first place with Graceful 96th, by Barbette, an extra good heifer, with grand crops and ribs, thickly fleshed and brought out in blooming condition. In heifer calves, the Stone Co. came in for first with Peach 35th, and Mr. Hunter second and third honors with Jessamine and Queen Esther.

The competition for the sweepstakes for best female narrowed down to a contest between the Ingleside first-prize cow, imp. Chatterbox, and the Stone Co.'s first-prize yearling, Graceful 96th, the judges hesitating for some time as to how it should go, and asking for a referee, but finally agreeing on the cow for the coveted honor. In the herd competition for best bull and four females, the first and second prizes went to Ingleside, and third to the Stone Co.

POLLED ANGUS.

The entries and display of cattle in this class were well up to the standard of former years. The animals were well brought out, in good, blooming condition, without being overdone. The class was judged by J. McNeil, Maple, and John Miller, Markham, who also passed upon the Galloways. The exhibitors were Messrs. Stewart & Son, Lucanville; James Bowman, Guelph; and W. Hall, Washington. Bowman's grand bull, Kyma's

Heir, was again first-prize winner in the section for bulls three years old and over, and he was also the male champion of the class. Mr. Bowman also won 1st for bull calf, for three-year-old cow, the 1st herd prize for one bull and four females, the championship for females with the three-year-old cow, Elm Park May, and 2nd for cow over four years, for two-year-old heifer and yearling heifer. Hall had the 1st-prize cow in Lady Aberdeen, 1st-prize two-year-old heifer and heifer calf, the 2nd-prize three-year-old cow, heifer calf, and herd. Stewart & Son had the 2nd-prize three-year-old bull and yearling bull, and 3rd-prize bull calf, aged cow, three-year-old cow, and heifer calf.

GALLOWAYS.

This class came out in good condition and in goodly numbers, looking fresh and carrying, as usual, a fine quality of flesh evenly distributed. There has been good demand this year, and satisfactory sales have been made. The exhibitors were Messrs. D. McCrae, Guelph, and A. M. & R. Straw, Brantford. Mr. McCrae's newly-imported three-year-old bull, Lord Wedholme, bred by the Duke of Buccleugh, a typical representative of the breed, low-set, thick-fleshed and full of character, won first honors in the class and the male championship of the breed. McCrae had also the honor of winning the 1st prizes in all the other sections of bulls, namely, two-year-old, yearling bull, and bull calf. Also 1st and 2nd for cows, 1st for three-year-old cow, two-year-old heifer, heifer calf, the 1st herd prize for one bull and four females, and the championship for female for the 1st-prize cow, Semiramis 25th. Messrs. Shaw had the 1st-prize yearling heifer and 2nd-prize three-year-old bull, 3rd-prize cow, 2nd-prize three-year-old cow, two-year-old heifer and herd, and 3rd-prize heifer calf.

DAIRY BREEDS.

AYRSHIRES.

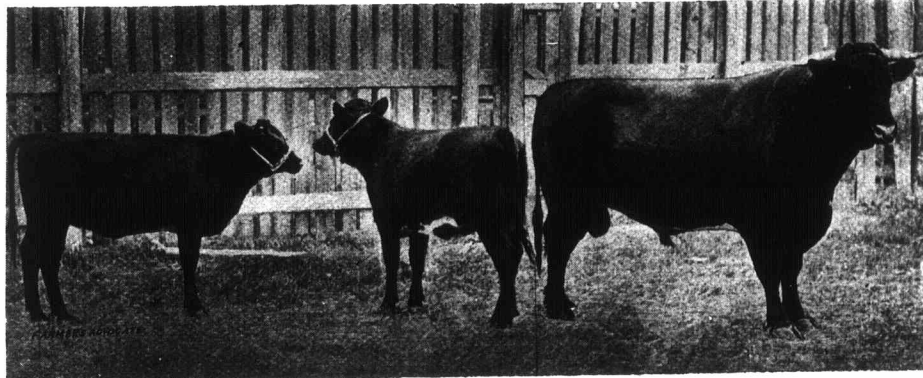
Ayrshires made decidedly the strongest show of all the dairy breeds at Toronto this year, and perhaps the strongest they have ever made here, every section of the class being well filled with high-class animals. In no other class of dairy cattle shown in Canada is so great a degree of uniformity of type found as among the Ayrshires. They made a mag-

netic display of dairy cows, and of heifers promising well to grow into good milking cows. The awards of prizes were made by a single judge, Mr. A. Kains, Byron, Ont., officiating, and considering the magnitude of the undertaking, he probably made as good work and as few mistakes as any two men would have done. This, of course, is not saying that no mistakes were made, as that can seldom, if ever, be said of anyone in this capacity. The rule adopted in this class and some others, of bringing on the competition for the herd prizes as the first feature in the programme, puts a man in a tight place, and it requires a pretty steady head to go into the ring at the opening of the ball and size up and place in proper order of precedence six or eight groups of five or six animals in each. The advantages claimed for this practice are that it disposes of the milking cows early in the day, as the cows are judged immediately after the herds, when they can be milked out, and thus saved from suffering from unduly distended udders; and that by this system the number of first and second prize cards given to each herd in the individual competition in the different sections, so as to have some claim to consistency in the whole of his work.

In the section for cows four years old or upwards, there were 23 entries, 20 of which lined up before the judge, and it is doubtful whether so many good cows of the breed ever mustered on the same ground before. It was a sight to delight the eyes and the hearts of dairymen, and especially of admirers of the bonnie Ayrshire "coo." It was no easy task for a judge to satisfy himself as to the placing of the four best cows among so many good ones, and hopeless to expect to satisfy the exhibitors, but it would have been difficult for any unbiased person to go past Mr. W. E. H. Massey's Lady Stirling 3rd, in the condition in which she came out, having calved on the show ground on the morning of the day of judging, and showing an immense udder, evenly balanced, and with good-sized, well-placed teats. She is a daughter of Silver King, has good handling qualities, and has the shape and appearance of a useful dairy cow. She was placed at the head of the prize list. The Ogilvie Co.'s cow, imp. Edith of Lessnessock, given 2nd place, is an ideal Ayrshire cow of the modern type, such as one could hardly help coveting. Stylish and ladylike in carriage, handsome and full of quality, with a skin and hair handling like the finest fur, standing on moderately short legs, with well-sprung and deep ribs, long, level quarters, a well-formed udder running well forward and back, with a level sole and good teats, well placed. She is smooth and orthodox in appearance, and as her escutcheon would indicate, is no idle beauty, having given 58 lbs. of milk daily, and we would like to know how many of the rough-boned cows can do better. The placing of Lady Ottawa, shown by Wm. Stewart & Son, Menie, 3rd, was somewhat of a surprise, as she was dry, and though within a week of calving, had made scarcely any show of udder. We have no word of course to say of Lady Ottawa, as she is known to be a royal good cow, but her mother, Jean Armour, in the same herd, who was in the competition in good form, and with her model udder and teats, fully as good a cow, if not better, might well have been given the place, if indeed the imported cow from the Ogilvie herd, Mayflower 2nd of Drumsue, which was placed 4th, should not have gone a step further up, for she is a grand, big, useful-looking cow, with a grandly-shaped and capacious udder. It is needless to say that it must have been a phenomenal class of cows when such grandly good ones as Hume & Co.'s Eva of Barcheskie and Wylie's Countess of Langside and White Glen of Holehouse, three imported cows of outstanding merit, could not have a place in the prize list. The Ogilvie herd supplied a popular 1st in the class for 3-year-old cows, in the yellow, red and white Dandy Lass of Nethercraig; and the Burnsides herd of Mr. Ness a close 2nd, in Gerlie of Maple Cliff, by Matchless; while Hume & Co.'s Snowflake came into 3rd place; and Wylie's Sylvia of Elmshade 4th.

In a good class of nine 2-year-old heifers, Hume & Co. scored 1st, with Eva's White Pearl, by White Chief; Stewart & Son 2nd; Wylie 3rd, with Nora of Elmshade; and Ness 4th, with Lady Spottie. The yearling heifers made the best display of all the younger classes, there being 15 in competition, and a dozen of them first-class. Hume & Co. were fortunate in getting to the top of such a turnout with their Little Love, by White Chief. The Ogilvie outfit scored 2nd and 4th with Glenora Daisy Queen and Glenora Sally, both by Comrade of Garlaff, and it might have been nearer right if the order had been reversed; while Ness fell into 3rd place with Lady Earle of Burnsides, by Harcourt. In a beautiful bevy of seven heifer calves under a year, a short list of five was drawn out that would be hard to beat in any country, and the prizes fell, 1st to Ness, 2nd to Hume, 3rd and 4th to Ogilvie. The female championship fell to Massey's cow, Lady Stirling 3rd.

The bulls were a good lot in most of the sections. In that for bulls over three years, the 1st place was given to W. E. H. Massey's Silver Prince of St. Louis, the first-prize and sweepstakes bull at Toronto last year, when shown by Mr. Wylie. He is a bull of grand quality and constitution, and though shown in heavier flesh than it is thought prudent to have a dairy bull, yet he could not well be denied the place. The 2nd award, which fell to N. Dymont's (Clappison) Drummond, was a surprise to many breeders, who could not follow the judge in his rating in this section. Ogilvie's imp. Douglasdale of Dam-of-Aber, the champion of the Scottish spring shows this year, showed to disadvantage, being lame from sore feet, but he has fine dairy conformation and quality, and should have been placed higher in Toronto; while Wylie's Uncle Sam, a son of imp. Nellie Osborne, is a good stamp of the breed, and might well have been in the list of prize-drawers. The 2-year-old bulls furnished the male champion of the breed in Mr. Ness' imp. Duke of Clarence of Barcheskie, by Mischiefmaker. He is a model Ayrshire bull of the modern style, with faultless dairy conformation, a proud bearing,



THREE-YEAR-OLD SHORTHORN BULL, KNIGHT OF LANCASTER. Second prize at Winnipeg. And two of his heifer calves. PROPERTY OF G. & W. HENNIE, CASTLEBERRY, MAN.

FOUNDED 1863

Sailor, the phenomenal full sister to year-old cow 25th, prize cow of the class placed in compliment probably a highly heifer, Fancy would have although the into third roan, Lady on and sired also fell the 3rd, a lovely and sired by also a great tries in the urance. These en there are at Toronto, difficult for ere were at case of the g first, and as more sur- ot had fallen e Good fellow n Pansy, by 1st place. It pliment the tters, when, a big price to the States, second best d enough to onto. W. C. magnificent Duthie-bred volumes for our estimate n our report ight well have one at the ell to one of f great sub- ne in for the dy Zoe 6th, Sylvan, had ana 56th, by heifer; while gated to fifth white Gem of e and out of as so greatly ent that they tion had she

arded to J. & il 52nd. For y the exhib- C. Edwards Marquis of r the get of Nicholson for ; and fourth e bred and s won by J. W. B. Watt d to J & W. by Prince of ular decision dly un- the greatest prizes for one ere awarded,



MANITOBA. red bull.

E. Robson, prizes for bull first to Rob- Farm. The eders, and if have stood s, of course, the awards of the class,

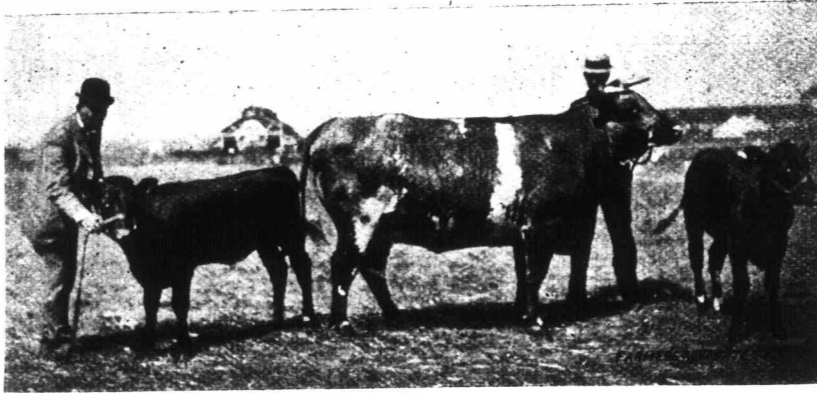
and fine quality of skin and hair. He was, of course, 1st in his class, and was followed by a right good one in McCormack & Son's imp. Glenora Sultan, by the Sultan of Auchanbainzie. He has capital quality and character, and should prove a worthy successor to Jock Morton at the head of the Rockton herd. The Ogilvie herd had a good one for 3rd place in imp. Glenora Knockdon, by The Sloth of Hillhouse. In yearling bulls, Stewart & Son scored with Hover-a-Blink, by Dainty Lad of Elmshade, a deep-ribbed, well-formed youngster of excellent character and approved dairy shape. Wylie had the second-prize winner in Cuck o' the North, by imp. Napoleon of Auchanbainzie, and out of White Lady of St. Ann's, a big, thrifty, well-shaped bull of good quality. Ogilvie's Prince was 3rd, and Hume & Co.'s White Cockade 4th. In bull calves under a year, McCormack had the winner in Royal Salute, by Waverley, a choice calf full of quality and of approved type. Ogilvie's entry came 2nd. Stewart & Son had a nice one for 3rd place in Lord Roberts, by Glencairn of Burnside, and out of the favorite Jean Armour; and Wylie had a good one in White Prince of Elmshade, by Scotland's Glory, for 4th place. Stewart showed another very promising youngster named Kitchener, from Lady Ottawa, and by Jock of Hazeldean.

JERSEYS.

The display of Jerseys was not as large as in the last two years, owing, no doubt, to the absence of the United States herds which were present in those years, but there were very close to one hundred entries, being the second largest in any class in the show, and the bulls were notably a good lot, as also were the yearling heifers and heifer calves. The cows were not as strong an exhibit as we have seen here, but there were a few very meritorious entries. Taking the class in the order of the catalogue, the sections for bulls three years old and over had four excellent entries, including the two grand imported, Island-bred bulls, Lord Dentonia, owned by W. E. H. Massey, and Distinction's Golden, by Golden Lad 2nd, owned by Robert Davies, both of Toronto; Prince Frank's Son, by Prince Frank, bred and shown by W. G. Laidlaw, Wilton Grove, and Albert Easter, a grand old bull, close to his teens, bred by V. E. Fuller and shown by B. H. Bull & Son, Brampton. Prince Frank's Son, placed first by the grace of the judges, has length almost to a fault, and fineness of head, neck and shoulders almost, if not quite, to effeminacy, and was fortunate, as he has been every time shown, in getting to the front in his class, but doubly fortunate in finding a place above the two model bulls of the modern Island type, shown against him, which have breed type, masculine character, fine conformation and quality of skin and hair in high degree. It is nearly a matter of a toss up for which should go first, though probably the richness of his skin and smoothness of his shoulders should give the Massey bull preference, but Distinction's Golden is a bull that has never found his proper place in the estimation of the judges at Toronto, though he gets nearer to it each year, and when the quality of his progeny is considered, his value is made manifest, his get having won in this show six first prizes and four seconds, including the first for four animals the progeny of one sire, and the first breeders' herd prize for best bull and three heifers under three years, bred by the exhibitor. Distinction's Golden was given second place in this competition, and Lord Dentonia, 3rd, which, of course, left them both out of the race for the championship, which fell to Massey's magnificent 1st prize two-year-old bull, Bim of Dentonia, another son of Prince Frank, the fine show bull and sire formerly at the head of the herd of Humpidge & Laidlaw, at Wilton Grove, a champion three times at the Western Fair at London. L. B. Davidson, Newcastle, had the 2nd-prize winner in the two-year-old class, in Sir Wilfred, by Baron Hugo of St. Ann's, a capital type of the breed, showing much quality. Third prize went to Queen's Leo, shown by E. Wick, Mt. St. Dennis, and 4th to W. G. Laidlaw's King of Beechland, by Queen's Count and out of Adelaide's Daughter, a bull of rich breeding, good quality and fine character. In the yearling bull section, a clear first was found in Canada's Golden Prince, shown by E. N. Fleming, Toronto, a son of imp. Distinction's Golden, by Golden Lad 2nd, and of imp. Canada's Queen, female champion of the breed at Toronto in 1897 and 1898. He was the 1st-prize bull under a year here in 1899, in powerful competition, has gone on well, and is an elegant young bull, full of character and quality. Second prize went to the imported bull, Blue Blood of Dentonia, shown by D. Duncan, Don, sired by Autoer, and out of Brilliant of Dentonia. He is a bull of fine type and quality, and looks like going on to make a first prize winner later. Third honors fell to Massey's Unto Date, by Distinction's Golden, and fourth to Davies' Onion Stake Pogis. Bull calves under a year were worthily headed by Golden Boy of Brampton, shown by B. H. Bull & Son, of that place, sired by the champion imp. Monarch, and out of Kathleen, a typical young bull of superb quality and form. Second went also to Bull & Son, for Brampton's Golden, another magnificent son of Monarch. Third went to Davies'

Gold Stamp, by Distinction's Golden, and out of the charming imported cow, Nita Belle, a very promising calf. Fourth went to Davidson, of Newcastle, for Eva Bob's White Buller, a name that ought to win in any fight. Bull calves under six months had a popular winner in Gold's Jack of Hearts, sired by Prince Frank's Son, the 1st prize aged bull, and shown by W. G. Laidlaw, Wilton Grove. Second prize went to Massey's He's a Daisy, and third to Golden Star, still another son of Monarch, shown by Bull & Son.

The class for cows four years and over was led by imported Sensation of Dentonia, of the Massey herd, a beautiful cow, of fine dairy form and breed character, carrying an immense udder, evenly balanced fore and aft. Second place was given to Glenfield, an imported cow of much merit, shown by Robt. Davies, Toronto. Third honors went to the Dentonia herd, for imp. Island Queen, a grand old cow that has been one of the best in her day. Three-year old cows were a moderate class, as also were 2-year-old heifers. In the former, Davies won with Patience of Prospect, Bull & Son 2nd and 3rd with Dolly's Pet and Chaptrel of Brampton, both by Aylesbury. In 2-year-olds, Massey won 1st with Golden Lil, Davies 2nd and 4th with Golden Glenfield and Juno of Prospect, and Bull 3rd with Mermaid of Brampton. Yearling heifers were the sections *par excellence* of the class, in which Davies' Beautiful Belle, by Distinction's Golden, won 1st in the division for heifers in milk, Bull 2nd and 3rd with Jessie Pogis and Brampton's Princess. Heifers not in milk were worthily led by Davies' entries for 1st and 2nd with Distinction's Pet, out of imp. Nicotine's Pet, and Beautiful Crocus Bud, a daughter of imp. Crocus Bud, and both by Distinction's Golden, two of the sweetest and comeliest heifers ever shown in Toronto, models of dairy form and breed type. Third went to Massey's Pretty Maid, and fourth to Bull's Beauty 2nd. Heifer calves under a year were led by Distinction's Best, of the Davies herd, another daughter of the great sire; 2nd to Massey, 3rd to Duncan, 4th to Massey. Heifer calves under six months were rated: 1st to Bull & Son for Monarch's Happy Thought, 2nd and 3rd to Davies for daughters of Distinction's Golden, 4th to Massey. The prizes for progeny of one bull



SHORTHORN COW, ROAN MARY, AND HER TWIN HEIFER CALVES.

PROPERTY OF HON. THOS. GREENWAY, CRYSTAL CITY, MAN.

were awarded: 1st to Davies for the get of Distinction's Golden, 2nd to Massey, 3rd to Bull & Son for progeny of Monarch. The breeders' herd prizes for bull and three heifers under two years went to: Davies 1st, Massey 2nd, Bull 3rd, Duncan 4th. The open herd prize for bull and two females over three years, one 2-year-old, one yearling, and one under a year were given: 1st to Massey, 2nd to Davies, 3rd to Bull & Son. The sweepstakes female was Massey's cow, Sensation of Dentonia. The judges in this class were Messrs. R. Reid, Berlin, and W. W. Ballantyne, Stratford.

HOLSTEINS.

The black and white dairy cattle made a good showing, as they always do here, and they are being steadily improved in the direction of smoothness and symmetry of type, and rich, soft-handling skin and hair, and also in more generally well-formed or better-balanced udders, conforming more and more with the advanced idea that beauty of form on short legs is not incompatible with a high degree of utility. Breeders would more generally and more rapidly improve in these directions if they had some system by which they could secure up-to-date judges for the class at leading shows. Uniformity of type is liable to follow uniformity of judging and rating of the animals in competition, and if Holstein breeders could secure a judge who is in line with advanced thought in this regard, they would do well to stay with him or keep him with them for a term of years. Failing this, the suggestion that the competitors at the principal shows form themselves into a committee of the whole and vote by ballot for the placing of the competing animals might be worth considering. We would not fear to risk our reputation that under this system the rating would show more consistency than we have seen in Toronto for some years, and would be more educational and helpful to young breeders and the public generally. As it is now and has been for several years, the mystery of judging in this class has been past finding out, and the judges and their work suggestive of the fitness found in a round pig for a square hole. The rule

requiring the herds to be shown first makes it no light task for a man to start with in a heavy competition, and he needs to be pretty cool and level-headed to escape being rattled, and this may in some measure account for the wandering character of the work done in the cow classes on this occasion. We can understand the difficulty of judging bulls and young heifers in the dairy breeds, but when it is a question of the best type of milking cows when their udders are full, as they are generally shown, a man ought to get somewhere near right, and his work show some degree of uniformity and consistency.

In the section for cows 4 years and upwards there were 17 entries, but several were absentees, and about two-thirds of the number came out. They were a strong lot of dairy cows, and the list included several of the best show cows in the country. The first award fell to Inka Sylvia, shown by Gilroy & Son, Glen Buell, a neat and useful young cow by Inka Kathleen's Son; second to Queen De Kol 2nd, from the herd of G. W. Clemons, St. George, a big, plain cow with a pendant udder, and an illustration of utility without beauty, but not a show cow. Third went to Gilroy's Carmen Sylva, a handsome cow that has proved her claim to usefulness in public tests, and that carries a model udder when in full milk, but has been long in lactation and did not show to best advantage. Fourth prize went to Daisy Texal 2nd, of the herd of Geo. Rice, Currie's Crossing, a neat little cow and a good performer, but not in it as a show cow and a worker combined with such cows in the same herd as Winnie R. and Woodland's Isoco, which are large, handsome, of fine handling quality, and carrying shapely udders as well. This rating also left out of the prize list the beautiful and typical dairy cow, Highland Cornelia, of the herd of Rettie Bros., Norwich, the first-prize cow at Toronto last year, and by common consent of breeders the best show cow out this year, a model of dairy conformation, fine in her handling, and carrying an ideal udder in form and attachment, with teats of the right size and rightly placed. It is said the judge saw his mistake in overlooking such a cow when his attention was called to her, and expressed regret for the mistake, which was the best that could be done at that juncture, but, as Rettie says, that doesn't pay any freight, and it does injustice, though doubtless unintentional, to the owner and the animal.

In a good class of 3-year-old cows, Gilroy got to the front with Gilliflower 2nd, Rettie second with Highland of Spring Grove, Clemons third with Kaatje De Boer 3rd, and Rice 4th with Princess of Norval. A strong section of two-year-old heifers were rated as follows: C. M. Keeler, Lyn, first, for Jewel Sylvia; Gilroy second, for Carmen Sylva 2nd; Gilroy third, for Iona Sylvia, and Clemons fourth, for Daisy Soldine Clothide. In yearling heifers in milk it was: Clemons first, for Vida Princess 3rd; Rettie second, for Fanny R. De Kol; Keeler third, for Gem Lutske 3rd, and Gilroy fourth, for Inka Sylvia 3rd. Yearling heifers not in milk, the rating was: Rettie first; Rice second and fourth, with Calamity Jane second and Cornelia Frena fourth; Clemons third, with Cornelia Colantha. Heifer calves under a year were placed in this order: Gilroy first and fourth, with Carmen Sylva 2nd's De Kol and Inka Sylvia De Kol; Rettie second and third, with Gemma Worthenall and Cornelia Schuiling. Heifer calves under six months: Rettie's Annie Schuiling first. The sweepstakes female was Gilroy's first-prize cow, Inka Sylvia; Keeler's Rideau May second; Rice's Albino Fairmont third; Clemons' Inka 5th's Pauline fourth.

The bulls were generally of good type and quality, and the prizes were widely, if not always wisely, distributed. In the section for aged bulls, the 1st prize was worthily won by the veteran Count Mink Mercedes, owned by G. W. Clemons, the champion bull in this show ground for four years, including the present. He is a magnificent specimen of the breed, standing well on short legs, with a handsome head, neck and brisket, well-sprung ribs, and the softest and richest kind of skin and hair. Would there were more like him in appearance, while as a breeder he has left his mark in indelible lines of beauty and usefulness in the herd in which he has so long served. Rice's Homestead Albino De Kol, the second-prize bull, is of similar character in the richness of his skin secretions and quality of his handling, and is a worthy 2nd. Gilroy's Carmen Sylva's Prince, placed 3rd, is a worthy son and successor of his worthy sire, Inka Kathleen's Son; and Keeler's Judge Akrum De Kol, the fourth-prize bull, is full of quality and high-class character.

Two-year-old bulls were a good lot, and the awards were: 1st to Rettie, for Worthenall 3rd's Sir Pietertje; 2nd to Rettie's Sir Abbekirk Posch, a son of the great record-testing cow, Altje Posch 4th; 3rd to Gilroy's Jonathan 2nd.

Yearling bulls were an evenly good class, and were rated: 1st, Gilroy's Gilliflower Paul de Kol; 2nd, Rettie's De Kol Korndyke; 3rd, Rice's Count Calamity Clay; 4th, Rice's Calamity Jane's Paul.

In bull calves under a year, it was Clemons 1st; with Lucas' Paul De Kol; Keeler 2nd, with Homestead De Kol Bell Boy; both handsome and fine white calves.

Bull calves under six months were placed in this order: Rettie's Sam Schurling, 1st; Keeler's Canadian, 2nd; Clemons' Judge Patrick De Kol, 3rd; Gilroy's Erie Bell 2nd's Sylvia Prince, 3rd.

The herd prizes for best bull and four females over 1 year were awarded in the following order: 1st to Gilroy & Son, 2nd to Clemons, 3rd to Rice, 4th to Rettie. The prizes for the best four animals, the progeny of one bull, went: 1st to Gilroy & Son, for the get of Inka Kathleen's Son; 2nd to Gilroy & Son, for offspring of Gem Pietertje Hengerveld Paul De Kol; 3rd to Clemons, for the get of De Kol 2nd's Paul De Kol Duke. The awards were made by Mr. A. F. Cole, Morrisville Station, N. Y.

GRADES AND FAT CATTLE.

There was a creditable display in these classes, as is usual at Toronto, all, with one exception, being Shorthorn grades, the principal exhibitors being Jas. Leask, Greenbank, and Fried & Sons, Roseville, the former securing all of the first prizes but one, in both classes. The 1st-prize two-year-old steer, a son of the champion show bull, Money-fuffel Lad, is a model butcher's beast, carrying a great wealth of high-class meat, evenly distributed, and strong in the most valuable cuts. The exhibits in all the sections of these classes were really of great merit, and great credit is due to their breeders and feeders. Toronto Exhibition is behind the times in not having separate classes for grade beef cattle and for grade dairy females, or at least for cows of this class in milk.

SHEEP.

The capacious sheep pens were filled to overflowing with first-class stock in every section, in sympathy with the excellent trade of the year. It is doubtful, indeed, if ever the average quality in all the classes was higher.

COTSWOLDS

were well shown, in goodly numbers, by John Rawlings, Ravenswood; John Park & Sons, Burgessville; John Thompson, Uxbridge; A. J. Watson, Castlederg, and T. H. Shore, Glanworth. Watson won in 2-shear rams, followed by Park and Rawlings in the order named. In shearing rams Park scored, with Thompson second and Rawlings third. In ram lambs Rawlings won worthily with a typical lamb of his own breeding over the pick of the first-prize pen at the Royal Show, Watson winning second with an imported lamb of fine character, Park third, and Rawlings fourth. In aged ewes Park led, with Watson second and Shore third. In shearing ewes the first and second prize pairs were found in Rawlings' pens in a charming pair, firmly-flashed, level, and well fitted, carrying elegant fleeces, and winning over imported ewes. In ewe lambs Park won first with his own breeding, Watson second with imported lambs, Rawlings third and fourth. For the pen prize of 1 ram, 2 ewes and 2 ewe lambs, Park got first place and Watson second, the latter claiming to be handicapped by having two ewes sick, one being taken with cramps while being shown. For the Canadian-bred pen of 1 ram, 4 ewes and 2 ewe lambs, Rawlings scored first and Shore second. The Cotswold Association prize for 1 ram and 1 ewe, 2 years or over, was won by Park & Sons; and that for 4 lambs, consisting of 2 rams and 2 ewes, by Rawlings. The class was judged by Thomas Teasdale, Concord.

LEICESTERS

made a grand showing, as usual, the exhibitors being J. M. Gardhouse, Highfield; A. W. Smith, Maple Lodge, and Whitlaw Bros., Guelph. The exhibits from each flock were all well fitted, without being overdone. The class was judged by Jos. Gaunt, St. Helen's. Whitlaw scored in the section for 2-shear rams with a capital backed sheep, and was closely pressed by Smith, who won 2nd, and by Gardhouse, who came in 3rd. In shearing rams the competition was keen, and Gardhouse got into 1st place with a lengthy, well-wooled sheep, not so well covered on loin as desirable, Smith being placed 2nd with a more compact and firmly-fleshed sheep, handling well throughout. In ram lambs the 1st prize went to Smith, for a good-handling lamb with good fleece, but Gardhouse had a strong entry and might have gone higher than 2nd without complaint. Aged ewes were a strong class, and Smith won 1st with a grand pair, one of which is especially meritorious in style and substance, weighing, it is claimed, 365 lbs. Gardhouse had also an elegant pair, which were placed second, and one of which was the sweepstakes ewe at the Provincial Winter Show last year, a typical representative of the best of the breed. In shearing ewes the competition was very strong, the same feature as in the former section being noticeable, the pairs being not well matched, making it a difficult task for a judge to place them satisfactorily, and raising the question whether it would not be more equitable if ewes were shown singly, as they are in this class in Scotland, and in all classes of sheep in the United States. Gardhouse in this section scored 1st, with Smith 2nd and Whitlaw 3rd. In ewe lambs, Whitlaw was 1st and 4th, Gardhouse 2nd, and Smith 3rd. The open flock prizes, 1st and 2nd, were won by the Maple Lodge contingent of Mr. Smith; and the Canadian-bred flock prizes by Gardhouse 1st and Whitlaw 2nd. The Leicester Association flock prizes for over a year old went 1st to Smith and 2nd to Gardhouse, and those for 4 lambs to Whitlaw and Gardhouse, as named.

LINCOLNS.

A record show was made in this class, which has come rapidly into prominence in the last few years,

their great size and quality of wool and flesh being much admired. The exhibitors were J. H. & E. Patrick, Iderton; John T. Gibson, Denfield, and Wm. Oliver, Avonbank. The first-named firm have in the last two years made extensive importations of selections from leading flocks in England, including a large share of the Royal winners, and put up a marvellous exhibit on this occasion, made up jointly of this year's importation, fresh from victory at the Royal and other leading English shows, and selections from their last year's importation, fitted by Brooks, the manager whose hand has not lost its cunning, the result of long experience as an exhibitor in bygone days.

John Gibson, one of the very best judges of sheep and of most classes of stock in the Dominion, is a pioneer Lincoln breeder in Canada, who through long years of successful work has stood by them consistently, having full faith in their merit as profitable producers of high-class mutton and wool, and who has made many importations from the best of England's flocks, and only last month received an importation of 20 choice field ewes in breeding condition to strengthen his already typical flock, made a strong show of sheep of his own breeding and fitting, in which his good judgment and skill as a breeder and feeder was well displayed, his sheep being brought out in the best of bloom as to flesh and fleece, without being overfed, but standing well on their feet, active and bright and looking like going on with useful lives as breeders. For this a fair share of credit is due to the faithfulness of Joe Linden, the shepherd so long and well known as associated with the successful show outfits of the former firm of Walker & Gibson, who held the banner of the breed aloft creditably for many years.

In the section for rams 2 years and over, the Fairfield flock of Messrs. Patrick had a popular winner in Mr. Tom Casswell's great sheep, which stood first at the Royal Show this year, and was imported at a cost of \$1,200. He is a magnificent representative of the breed, standing on strong, short legs well set under him, a powerful neck and scragg, and firmly-fleshed back and a faultless fleece of fine, even fiber on all parts of the body. The same firm had a grand 2nd in one of their last year's importation, fitted by Brooks, with a grand back and great spring of ribs, and fine, even fleece. Gibson's entry, an evenly-balanced sheep with ideal fleece and flesh, came into 3rd place over the big Dudding sheep, son of the thousand-guinea ram of '98, which, though not fitted for show, but in breeding condition, is a grand specimen of the breed. In a class of 9 yearling rams Gibson got into 2nd place with a capital sheep full of quality and character, 1st and 3rd going to the Fairfield flock for imported sheep of last year's consignment, highly fitted, one of which was in the Royal first-prize pen last year. Imported ram lambs shown by Messrs. Patrick, and which were in the first-prize pen at the Royal this year, were placed 1st and 2nd, Gibson coming in 3rd. In 2-year-old ewes Gibson scored 1st with a grand pair, full of natural flesh and finely-fleeced, Oliver being 2nd, and Patrick 3rd. In shearing ewes, also, Gibson was second, with a comely pair of well-matched ewes, Patrick worthily winning first honors with a grand pair bred by Mr. Dudding, which were in the first-prize pen at this year's Royal Show. Their second pair having been weakened by the loss of one of the Royal ewes by railway roughness and one from the extreme heat, they fell into 3rd place, though they were also grandly good ones. In ewe lambs the Royal winners in the hands of the Patricks came in 1st and 2nd, Oliver winning 3rd, and Gibson 4th. The open flock prizes, 1st and 2nd, fell to the Fairfield flock, while 1st and 2nd for Canadian-bred flocks of 1 ram, 4 ewes and 2 ewe lambs were taken by Mr. Gibson.

SHROPSHIRE.

While there were fewer competitors than usual in this class, and fewer sheep shown, the quality and character of the breed was never better represented. When and where John Campbell, of Woodville, enters an outfit from his famous Fairview flock, there is always a successful show of Shropshires, and he never was in better shape to meet all comers than he is this year, the 18th year in succession in which he has exhibited at the Toronto Industrial, and this year he succeeded in carrying off the largest number of 1st prizes and the largest amount of prize money he has ever captured here, winning ten out of the twelve 1st prizes in the class, including the four 1st flock prizes, two of which were offered by the Fair Association, and two by the American Shropshire Association, and the sweepstakes for best ram and best ram lamb. His sheep were, as usual, of the highest class in character and quality, and brought out in beautiful bloom, but by no means overdone, and he prides in the fact that in nearly every instance the 1st-prize winners were of his own breeding, a striking circumstance being that in seven of the ten sections, sons of his World's Fair champion, Newton Lord, stood 1st either individually or at the head of 1st-prize pens, while in four his daughters stood 1st, and in two a grandson and granddaughter stood 1st. Mr. Campbell's 1st prize two-year-old ram, a son of Newton Lord, is considered a better animal than his sire at the same age, while the 1st shearing ram, by the same sire, and which was the 1st prize ram lamb of last year, promises to be the equal of either, if he is not now. As a remarkable instance of the vigor and usefulness of this famous show ram and sire, it is stated by his owner that,

though now ten years old, he was bred to twenty ewes last season, nineteen of which proved in lamb in him. The 1st, 2nd and 3rd prizes for shearing rams, and the whole four for ram lambs, fell to the Fairview flock, as did also 1st and 2nd for shearing ewes, which latter were remarkable for quality, finish and Shropshire character from the ground up. Messrs. D. G. & J. G. Hamner, Mt. Vernon, made a large and excellent show from their well-known flock, including a number of high-class imported sheep, and secured 1st prizes for aged ewes and ewe lambs; 2nd for two-shear ram, ewe lambs, open flock; 2nd in both Shropshire Association flocks, and 2nd in sweepstakes for ram lamb. W. E. Wright, Glanworth, and Hillhurst Farm had out a fine lot of field ram lambs for sale, showing excellent breeding and quality. The awards in the class were made by Geo. Hindmarsh, Ailsa Craig.

OXFORD DOWNS

were out in good force and made a capital showing, the principal exhibitors being J. H. Jull, Mt. Vernon, who had in his exhibit five newly-imported animals, which greatly strengthened his always strong flock; R. S. Hine, Dutton, who always shows a strong, useful and typical lot; and Smith Evans, Gourock, whose flock measures up well to the standard of first-class in character. Mr. Hine was unfortunate in having one of his best rams killed on the train, on the way to the show, and losing two others shortly before, which weakened his exhibit in these sections, and Mr. Evans depended on his own breeding and fitting for his exhibit. Mr. Jull scored 1st in two-shear rams, shearing rams, ram lambs, the winning shearing being an imported sheep of fine form and quality of flesh and fleece, bred by Mr. J. T. Hobbs, and the ram lamb an extra good one, which he sold for \$80 to the well-known breeder, Peter Arkell, Teeswater. Evans had the 2nd-prize ram in each section, and 1st for two-shear ewes, 1st for Canadian-bred flock, and the Oxford Down Association 1st prizes for yearling ram and pen of four lambs Canadian-bred, and 2nd prize for the open flock. James Tolton, Walkerton, was the judge in this class. Jull had the 1st-prize shearing ewes, ewe lambs, and open flock. Hine secured 2nd prizes on shearing ewes, with a pair imported last year, which were bred by Mr. Stilgoe, and were in the 1st-prize pen of ewe lambs at the Royal Show. He had also the 1st-prize pair of two-shear ewes, and the 1st-prize home-bred yearling ewe, for the Association prize.

HAMPSHIRE DOWNS

were shown by Mr. Cochrane, Hillhurst Farm, Hillhurst, Quebec, who had the 1st-prize pen of shearing ewes at the Royal Show this year and which were illustrated in the Sept. 1st issue of the ADVOCATE. Also a splendid ram lamb and pair of ewe lambs. This is a breed of sheep little known in Canada, but which will be appreciated when better known, being a strong, robust breed, producing a large proportion of lean meat of first-class quality, and a good fleece of fine wool. They are especially adapted to crossing with other breeds for the production of big lambs which mature early, and they have the habit of bunching or keeping well together in the flock, which commends them to the ranchers of the West. No breed of sheep is more generally popular with the English tenant farmers, the ram lambs selling readily at high prices for service.

SOUTH DOWNS

made a good showing, as usual, being well up to the standard in quality. The exhibitors were John Jackson & Sons, Abingdon; T. C. Douglas, Galt; W. E. & G. L. Telfer, Paris; and R. Shaw & Son, Glanford Station. Jackson had a great run of success, winning the 1st prizes in every section of the class. His sheep were well brought out, as usual, and showed much uniformity of type. Messrs. Telfer were particularly strong in ram lambs, of which they exhibited a capital lot, full of quality. Douglas had the 2nd-prize Canadian-bred flock, and Shaw the 2nd-prize open flock. James Tolton judged the class.

DORSETS.

No breed has made greater advancement in its display at Canadian shows in recent years than this. The breed was unusually well represented this year, strong exhibits being forward from the flocks of R. H. Harding, Thorndale; M. N. Empey, Napanee; John A. McGillivray, Uxbridge; and a couple of entries by James Bowman, Guelph. The sheep competing were well fitted and made a very interesting feature of the sheep show. Newly-imported sheep were shown by Messrs. McGillivray and Harding. The Uxbridge outfit, in the hands of Fred Silverside, the capable manager, made a very creditable showing and won rather the best of the prizes hung up, including 1st for two-shear rams, shearing ram, two-shear ewes, shearing ewes, and open flock. Harding had a capital pair of imported two-shear ewes, showing much character and quality, and he secured 2nd prizes on two-shear rams, on shearing ewes, ewe lambs, and in the flock competition open to all. McGillivray came in for first honors for shearing ram, two-shear ewes, shearing ewes, and the open flock. Empey was 1st on ewe lambs, 1st with Canadian-bred flock, 2nd with ram lamb, and 3rd with two-shear ram. The judges in this class were John Jackson, Abingdon, and T. Hector, Port Credit.

MERINOS

were shown by W. M. & J. C. Smith, Fairfield

Plains, and R. Shaw & Sons, Glanworth, between whom the prizes were divided.

FAT SHEEP

were shown by J. H. & E. Patrick, J. T. Gibson, and J. Park & Son. The 1st prize for yearling wethers went to Patrick's imported Lincoln shearlings, an uncommonly good pair; 2nd to a grand pair of Lincoln yearlings, shown by Gibson; and 3rd to Cotswolds exhibited by Park & Son.

SWINE.

The display of hogs, on the whole, was quite up to the average in numbers at a Toronto Exhibition, though considerably fewer than last year, and in quality quite up to the standard, some breeds being more largely represented than usual and others not in as strong force as we have seen them, but this applies to some classes in any year. Canadian breeders of swine have, as a rule, shown an intelligent understanding of their business, and have improved their stock rapidly by selection of the fittest to breed the progeny to conform more nearly to the type required by our best markets for bacon and hams, while still maintaining the stamina and constitution of their stock and increasing their prolificacy. In this they have acted wisely, and are enjoying their reward in an active demand, at fair paying prices, for all the young stock they can raise.

YORKSHIRES.

Interest centered largely in this class, owing partly to its having the largest entry and the largest number of exhibitors, and partly on account of the very marked dissatisfaction occasioned by the awards of the judges in some of the sections, and notably in that for boars over two years, in which there was a large entry and a number of excellent animals, prominent among which were the imported 2-year-old boar, Bottesford Wonder, bred by Mr. D. R. Daybell, and shown by D. C. Flatt & Son, Millgrove; Oak Lodge Conqueror, bred and shown by Brethour & Saunders, Burford, in his 5-year-old form; an imported 2-year-old boar bred by Mr. Denston Gibson, and shown by E. Dool, Hartington, and Mr. Flatt's second and third entries, Haskett Jr. and imported St. Peter. To state that Bottesford Wonder was the favorite for first place, in the judgment of an overwhelming majority of the breeders present, is to put it mildly, as by many of the old campaigners he was declared to be the best boar of the breed ever brought to Canada, being big, without coarseness, weighing, it is claimed, over nine hundred pounds, yet standing straight on strong, well-placed legs, of a good quality of bone, with smooth shoulders, a long, strong, well-fleshed back and quarters, deep fore-ribs and flanks, and long, thick and wide hams, and it required a good deal of nerve on the part of the judges to place him anywhere but 1st in the prize list. From conversation with many competent judges among the breeders, who were onlookers, and disavowing all prejudice, we have no hesitation in stating that there was good ground for the storm of protest from prominent breeders which greeted the announcement that Bottesford Wonder was a 3rd-prize hog in this competition. We have no sympathy with the feeling that there was personal prejudice or partiality on the part of the judges, who are known to be honorable men, and we willingly accept their own explanation—that it is a question of type, that they started out with the determination to hew to the bacon type, let the chips fall where they may—and we take issue with them on the ground that it is unreasonable to judge a breeding boar in the showing by the cast-iron standard of the packer when selecting sangers at the gateway to the pork factory. The declaration that depth of fore-ribs and flanks is a disqualification may pass with little protest in the latter case, but it is a positively mischievous doctrine when applied to a sire, in which stamina and constitutional vigor must be conserved if we are to have prepotency, and maintain health, robustness, and the kindly feeding qualities which will give a decent return for the food the animals consume. The demand for the ideal bacon hog degenerates into a dangerous fad when it is virtually claimed that a breeding boar must have the slim neck of a barrow, and should have no belly, and that hams are of little account in a hog. Conqueror has been a good hog in his day and a good getter, as the many fine sows and young things in the Oak Lodge outfit got by him amply attest, and he has a long list of 1st prizes to his credit, on his own account and that of his offspring, but he has seen his best show days, and is failing in flesh, as most show hogs do at his age; while his son, the 2nd-prize boar, does not fill his place, nor give promise of doing so; but the judges were consistent thus far in following their type, and they could have found a third of the same type in the competition, and a better than the second. Their second mistake was in leaving their type to put the Flatt boar in 3rd place. If he was not the correct type for 1st or 2nd prize by their standard, by the same token, he surely was not fit for 3rd, and should have been left out of the list, which would have been much more satisfactory to his owners than to have him degraded into a 3rd-class position by the high court of official judges. In the section for yearling boars, the entry of Joseph Featherston & Son, Streetsville, was a worthy winner, a strong, smooth, straight hog, with a well-fleshed back, standing well on his legs, and having good depth and thickness through the heart. He was the 1st-prize boar here under six months last year. Brethour & Saunders' Oak Lodge Celtic was

a creditable 2nd, having a capital back and many other strong points. The 3rd prize also went to the same firm for Oak Lodge President, of similar stamp. Mr. Flatt's entry in this section was not forward, having died from an accident a week or two before the show. Those who have seen him, represent him as having been an uncommonly good one. In boars over six and under twelve months, Summerhill Ruler, bred and shown by Flatt & Son, sired by the champion, Look-Me-Over, and from a Holywell dam, was a worthy 1st, being of excellent type, lengthy, smooth, and of good constitution. Second prize went to the entry of Simmons & Quirie, Ivan, a big, strong, smooth hog, of fine quality, which was sold to R. F. Duck & Son, of Port Credit, to head their herd. The 3rd award went to Summerhill R. G., of the herd of Flatt & Son, a useful sort, imported in dam, and bred by Philo L. Mills from a Hollingworth dam. In the section for boars under six months, a strong 1st was found in the Oak Lodge entry of Brethour & Saunders, a young boar by Conqueror and out of a Daybell dam, a pig of excellent type and quality, which was sold to head the herd at the Central Experimental Farm at Ottawa. Second place was given to Flatt's Summerhill Wonder, a capital youngster, of approved stamp, which was sold to Mr. J. A. Russell, Precious Corners, and 3rd went to Featherston's entry, a lengthy, smooth pig, of capital quality. Sows over two years were a very strong class, and Brethour & Saunders scored 1st with Oak Lodge Mite 6th, a big, smooth, lengthy and deep-sided sow, of fine quality and character. The Flatt herd came in for 2nd and 3rd with two of the Miss Hollingworth sows, of great size, length and depth of sides, and fine breed character. Yearling sows were one of the most interesting classes in the show, there being a number of typical sows, of fine quality, in competition, out of which 1st choice was made of Summerhill Fame, a beautiful sow, of the herd of Flatt & Son, a Miss Hollingworth, of fine quality, bred type and conformation, which was sold to Mr. J. A. Russell, Precious Corners. Second and third awards fell to Brethour & Saunders for Oak Lodge Buttercup 15th and O. L. Cinderella, both by Conqueror, and both big, smooth, deep-sided sows, of fine quality of flesh and bone. Sows under six months were headed by one of Brethour & Saunders' entries, a long, level, smooth pig, with good hard bone, but a bit leggy. The first herd prize for best boar and two sows, as expected, following the awards in the section for aged boars, went to the entry of Brethour & Saunders, and 2nd to that of Messrs. Flatt & Son. The prizes for sow and four of her produce under six months and for boar and four of his get went to the Oak Lodge herd for Conqueror and his progeny, in which sections Flatt & Son did not show.

Excellent entries were shown in this class by E. Dool, Hartington, whose herd is headed by a high-class imported boar, of the most approved type, and who showed typical Yorkshires in several sections, his breeding sows and young boars and sows under six months being exceedingly good in type and finish, and just such as the farmers need to produce the class of bacon pigs that is wanted. R. F. Duck, Port Credit, also showed very creditable young stock in this class. The awards in the class were made by Prof. G. E. Day, Guelph, and Wm. Jones, Mt. Elgin.

BERKSHIRES.

While the entries in the Berkshire class were not as numerous as in some former years, the quality was well up to the standard and most of the entries of approved type. The herds of George Green, Fairview, and Snell & Lyons, Snelgrove, were both strong in boars of the right stamp, and the competition was close, though by the grace of the judges the Fairview herd scored first in each section. Green's 1st-prize aged boar, Major, a strong, straight hog, standing well on good timber, is rich in the blood of the great Baron Lee 4th, his dam being by that sire, and he looks it in his general appearance. Snell & Lyons' 2nd-prize boar, Court Master, by the Gentry-bred Hiawatha, has great length and a well-fleshed back, and showed well, being in fine fix. In yearling boars, Green's Golden King 1st was the winner, and is straight, smooth and active, standing on good feet and legs. Sir Arthur, from the same herd, the 1st-prize boar under a year, has good spring of ribs, and is a strong, straight pig of good form and quality; and his 2nd-prize boar in the same section, Baron Duke, a grandson of imported Shapely, a good paying sort, while younger, is lengthy and of excellent type. The Fairview pig which got into first place as under 6 months is lengthy, smooth, and of good quality, as also is the Snelgrove pig, Plumper (son of the fine sow, Morning Mist), which came in for second prize. He has not only much merit for the present, but gives promise of future usefulness as a show hog and sire, and he goes into good hands, having been sold to Shannon Bros., Cloverdale, B. C. In the aged sow section, T. A. Cox, Brantford, was strong, winning first honors with Fashion, a fine sow of Mr. Teasdale's breeding, having good length, a strong, well-fleshed back, smooth shoulders and deep sides. The Snelgrove sow, Morning Mist, which came into second place, is also of similar type, and one of the most useful breeding sows seen out in recent years. Cox led in yearling sows with a worthy daughter of Fashion, and had also the 2nd prize sow, Exhibition Beauty, who was first here as under a year in 1899, and the winner of the sweetstakes at the Provincial Win-

ter Fair at London last year and at Winnipeg this summer. In sows under 12 months, Snell & Lyons scored 1st with Lady Shields, in the keenest competition in the class. She is the true type, long, strong, straight and smooth. Cox had a good 2nd in a full sister to his 1st-prize yearling sow. Sows under 6 months were led by Green's entry, with a grand back and of good type generally, the Snelgrove pens furnishing the 2nd-prize winner in one of fine form and quality and of similar type. The 1st herd prize for boar and two sows was sent to Cox for his 3rd-prize aged boar, Norly B Duke, and his two 1st-prize sows in the aged and yearling sections. Green was placed second in this competition with his 1st-prize yearling boar and Highclere Maid and Golden Duchess. For the best boar and four of his get, the 1st award went to Green for Golden King 1st and his progeny, and the second to Snell & Lyons' Gallant Prince and four of his pigs under 6 months. For the best sow and four of her produce under six months, Cox won 1st, and Snell & Lyons 2nd. The judges were R. Vance, Ida, and G. B. Hood, Guelph.

TAMWORTHS.

The entries in this class were fewer than in the last two years, owing to the absence of the two prominent herds of A. C. Hallman, New Dundee, who, owing to absence from home, attending the Manitoba exhibitions as a judge, decided not to exhibit this year, and of N. M. Blain, who, on account of the death of his father and the extra cares of the estate, decided to drop out for a year. The display in the class, however, was a very select and creditable one, the quality of the entries being well up to a high-class standard. The herds represented were those of John C. Nichol, Hubrey; John Hord & Son, Parkhill; Andrew Elliott & Son, Galt; Colwell Bros., Newcastle; J. R. Newell & Son, Crampton; and W. M. Smith, Fairfield Plains. Prof. G. E. Day and Wm. Jones were the judges. Mr. Nichol was successful, as usual, in winning a large share of the honors, capturing seven out of eleven 1st prizes, including the 1st herd prize for boar and two sows, and those for a boar and four of his get, and sow and four of her produce. His 1st-prize aged boar, Rufus, is a hog of great substance and constitution, with a well-fleshed back and without coarseness. His 3rd-prize aged boar, Chatham Hero, is the sire of the 1st, 2nd and 3rd-prize sows and the 2nd and 3rd-prize boars under 6 months. He had also the 1st-prize yearling boar under 12 months, 1st- and 2nd-prize sows over 2 years, and the whole three prizes for sows under 6 months—quite enough honors for one man at one show.

Hord & Son had in their grand boar, Defiant, a capital 2nd in the section for boars over two years. He has length, depth and quality of flesh in high degree. He was second as a yearling here last year, and has gone on well. This firm had the 1st-prize boar under 6 months, a fine, lengthy pig, with a good back and excellent quality of flesh. The 2nd prize for a sow and four of her produce also fell to Hord & Son for their 3rd-prize aged sow, O.A.C. 110, and her offspring.

Elliott & Son were successful in winning 2nd prizes in two important sections, namely, for boar under a year, with Sahib, a lengthy, smooth hog; and for sow under a year, with one of excellent type and quality.

Colwell Bros. made a very creditable display of well-fitted pigs of approved type and full of quality, winning 1st honors for yearling boar with a right good one which was 1st here as under 6 months last year. He also won 1st for sow under a year, and 2nd for yearling sow, 2nd for herd of a boar and two sows, and 2nd for boar and four of his get.

Newell & Son showed thirteen head of useful pigs, and succeeded in winning third prize for yearling sow and boar under a year.

W. M. Smith had an excellent yearling sow that won 1st prize in that section in very strong competition. She was 2nd in the section for under a year here last year, and 1st this year at Winnipeg and Brandon.

POLAND-CHINAS.

This breed was mainly represented by selections from the herd of W. M. & J. C. Smith, Fairfield Plains, who bought out two other show herds and made a good display, most of their entries being lengthy, smooth, and well brought out. The firm were awarded all the 1st prizes they showed for throughout the class, except that for yearling boar, which went to E. Malcolm, Scotland, who had five entries, and won 3rd prize for 2-year-old sow and for yearling sow.

CHESTER WHITES.

H. George & Sons and H. E. George, Crampton, and W. E. Wright, Glanworth, were the exhibitors in this class. For quality, the display was very creditable, and the Georges won all the 1st prizes but one, and all the 2nds but one, with lengthy, smooth, well-fleshed hogs, standing well on their legs and well brought out. Mr. Wright won 1st for sow under a year with a real good one, and 2nd for boar under 12 months. Messrs. Hood and Vance were the judges.

DUROC-JERSEYS.

were shown by W. N. Tape, Bentpath; Tape Bros., Ridgeway; and W. M. Smith, Fairfield Plains, who each showed lengthy, well-fleshed hogs, the breed having steadily improved in their hands in approaching more nearly to the approved bacon type, as a result of judicious selection of the fittest and breeding for a purpose. The prizes all went to

the Tape entries, except the 3rd for yearling sow and for sow under a year, which were awarded to Smith.

OTHER DISTINCT BREEDS.

In this class Jos. Featherston, Streetsville, showed Essex in all sections except that for boar under twelve months, which was a Suffolk. T. McClure, Meadowvale, showed Essex, and J. Hord & Son, Parkhill, Suffolks. Hord & Son won 1st for yearling sow, 2nd for sow under a year, 2nd for herd of a boar and two sows, and 3rd for sow under six months. Featherston won 1st prizes in five sections out of the seven, and McClure one 1st and one 2nd.

EXPORT BACON HOGS.

Very great interest was taken in the competition for the prizes offered in two sections for the best pen of four pure-bred hogs and for the best four hogs of any breed, cross or grade most suitable for export bacon. There were entries by ten exhibitors of Yorkshires and Tamworths, and the judges were representatives of the Toronto and Brantford pork-packing establishments. The 1st award in both sections was given to the entry of pure-bred Yorkshires, bred, owned and shown by D. C. Flatt & Son, Millgrove, for a model pen of baconers, showing good length of body, smooth, well-fleshed backs and well-filled hams, together with ideal breed character. Second prize went to Brethour & Saunders, Burford, for a capital pen of pure-bred Yorkshires of their own breeding, measuring well up to the standard. Third prize went to R. F. Duck, Port Credit, for a pen of pure-bred Yorkshires of excellent type, of his own breeding; fourth to Colwill Bros., Newcastle, for a typical pen of pure bred Tamworths, bred by themselves, and conforming well to the bacon type. Fifth award fell to a good pen of pure-bred Yorkshires shown by Jos. Featherston & Son. These same pens being entered in both sections, the prizes went in both to the same pens, in the same order.

POULTRY.

The exhibit of poultry at the Toronto Industrial was this year, as usual, excellent, "with few exceptions." The entries exceeded in numbers those of former years by 200, the increase being principally in pigeons, which for quality and quantity was the best ever seen there. The utility breed of fowls, such as the barred, white and other colored Rocks, and also the Wyandotte classes, were well filled and of excellent quality, showing that the demand amongst the farmers for these breeds is larger than for the more fancy fowls. There was also a good show of the different breeds of Leghorns, which for egg production can't be beaten. The Minorcas were also very fine; another fine egg producer of large size. At this season of the year the plumage is not as good as in the spring, which detracts from the appearance of the birds, a good many of them being moulting. The turkeys were fewer than I have ever seen them, and the quality not as in former years. We miss the veteran breeder, Mr. James Main, of Milton, with his 40-lb. gobblers. Beattie, of Wilton Grove, had some good specimens, also Wright, of Glanworth. McDougall, of Milton, had a good cock bird, but the hen was out of plumage. Beattie, Wilton Grove; Elliott, Pond Mills; and Dentonia Park Farm, were the prize-takers in white turkeys. In any other variety, Elliott and Luxton, Georgetown, were the principal exhibitors. The geese were very fine. Allan Bogue, of London, was, as usual, to the front with his Toulouse. Colwell, Paris Station, had also some fine ones. Hodson, Myrtle, took some prizes in this class. In Embden or Bremen geese, Colwell and Dentonia Park Farm were the prize-takers. In geese, any other variety, the bulk of the prizes went to Colwell, Paris Station. The ducks were fine, especially the Pekin; Bogue and Colwell taking the most of the prizes here. Complaints were made in this class by some of the exhibitors that old ducks were shown for young ones, which if correct should by some means be stopped, as the judge cannot decide these things, as he must give the prize to the best bird before him, even if he has suspicion of deception being practised. Rouens were medium, some of them, especially the drakes, being out of plumage. Aylesburys, fair; the bills of some of them looked as if they had a cross of Pekin in them. There were also Cayugas, Indian Runners, etc., shown. The latter is a new breed, which, the breeders contend, lays more eggs than any other variety. Chickens.—The Dark Brahmas come first on the list. They were a good lot. Thorp, Scott and Sage, of London, were the principal prize-takers. In Light, the display was poor. Cameron, of Brantford, showed a few good birds, but I never saw that fine breed so poorly represented. The Cochins were good—Stewart and Wyatt, of London, in Buffs, and Oke and Bogue, London, in Partridge Cochins. McNeil and Millard carried off the ribbons in White. In Games, Barber, of Toronto, and Morley, of Milton, were the principal exhibitors. Minorcas and Black Spanish were good. Leghorns were well represented by Oke, McIntosh and Rice, Whitby. Dunn, Toronto, had some good black ones. Stewart & Son, Menie, had some fine Brown Leghorns, also George Henderson, Hamilton, and J. G. Taylor, Woodstock. The old Dorkings were very fine, and there is not a better table bird amongst them yet. The French breeds were represented by Oke, of London, principally. The Barred Plymouth Rocks were numerous, but I have seen a better quality. Miller, of London, had some good ones; Lake, of Toronto, also, and McCormick & Son, Rockton, got third

prize with the handsomest bird of the lot. He was small, but fine in quality; his toes a little crooked, and a little brassy on the wing, but otherwise perfect. Armstrong, Fergus, had some good birds. The White Wyandottes were the finest birds I have seen; plumage good. Kettelwell, London; Massie, Pt. Hope; and Kingsmill and Moore, London, were the leading exhibitors. Messrs. Bogue and McNeil, of London, as usual, carried off nearly all the prizes in the Polands and Hamburgs. Karn, of Guelph, got all the first prizes in the black Javas. The plumage was very fine. There was a fine display of singing birds, but no ornamental fowls, with the exception of a few parrots and a solitary English magpie. The Bantams were good and largely represented, and although small, bring fancy prices. Some very fine lop-eared rabbits and Belgian hares and a few specimens of peafowl were shown, also some fine ringdoves. The judges were Messrs. Jarvis, Butterfield, and Dirvinstead. The Superintendent, Daniels, who is very obliging, does his duty well. Mr. Daniels has a large supply of bone crushers and poultry supplies of all kinds. He is also agent for the Cyphers Incubator Co., who had a splendid exhibit of incubators and brooders. Hatching was going on during exhibition. There was a meeting of some twenty-four of the leading poultry breeders on Wednesday, at the Association offices, to discuss the advisability of asking the Ontario Government for a grant to some of the county shows at a long distance from the City of Guelph, where the Ontario is now permanently located. After a good deal of discussion—some advocating the abolishing of township shows and having only county ones, thereby having more Government money for poultry prizes, and that the Government having established fattening stations all over the country, the poultry industry will take a great boom, and since all the poultry can now be shipped in cold storage, the export to England will be enormous in the near future—it was moved by Mr. McNeil, London, seconded by Mr. Bogue, and put to the meeting by the Chairman, Mr. Leery, President of the Peterborough Association, and carried, "That no action be taken in this matter at present." Mr. Donovan told them it was useless applying for a grant at present, as establishing these fattening stations cost the Government a large sum. The meeting then adjourned.

APIARY.

Two beekeepers were responsible for the entire exhibition of apiary products and appliances. The display, however, was creditable in quality and appearance. Geo. Laing, Milton, and R. H. Smith, St. Thomas, were the enterprising contributors. They each showed clover, basswood, and buckwheat honey, in various ornamental forms of glass cases prettily arranged. They also showed liquid, granulated, and comb honey, as well as wax; also fruit done up with honey instead of sugar, honey candies, and cake sweetened with honey. Mr. Smith made a small display of apparatus, including comb foundation, honey extractors, various model hive appliances, smokers, etc.

THE DAIRY EXHIBIT.

All the protestations and suggestions made by the Dairy Associations from time to time during the last few years have availed little in providing the great dairy industry of Canada with suitable quarters within the industrial grounds, with the result that it will require only a very few years more to reduce the display of dairy produce and apparatus to insignificant proportions. The dairy room proper was extremely lacking in interest, as evidenced by the very few who visited it during even the busiest days of the show. This, too, is not a matter for wonder, when it is pointed out that all the dairy machinery was removed this year to the machinery hall to help fill the space formerly occupied by the agricultural machinery, and which this year was absent. The displays of cheese and butter, too, were considerably reduced in entries; the butter was visible only through the glass sides of a refrigerator, and the cheese could be seen only through a wire screen. It would seem as though an entire revolution is needed in this department, if anything of an educational effect is to be accomplished. What would it signify if it did cost a few boxes of cheese or tubs of butter, if by it people could be given to understand by sense of smell and taste what constitutes first-class goods.

The exhibit of cheese was much reduced this year, there being only 270 boxes presented. In butter, twelve creameries were represented; also twelve private dairies, with tubs; and eighteen exhibited prints. The creamery butter was displayed in one refrigerator and the home dairy in another. The building was again in charge of Mr. R. Lawson, who maintained the display and surroundings in an exemplary condition, and willingly granted information to interested persons.

The following is the prize list and scores made:

Table with columns: Prize, Exhibitor, Score. Includes sections for Four colored, June and July; Four white, June and July.

Table with columns: Prize, Exhibitor, Score. Includes entries for 3-J. S. Isard, Paisley; 4-M. Knecht, Dorchester; 5-W. D. Angus, Atwood; 6-Wm. Gilbert, Lavender.

Table with columns: Prize, Exhibitor, Score. Includes sections for Three colored, August; Three white, August.

Table with columns: Prize, Exhibitor, Score. Includes entries for 1-T. B. Sellers, Laurel; 2-J. R. Burgess, Bluevale; 3-Miss Mary Morrison, Newry; 4-J. W. Claridge, Glen Huron; 5-Jno. A. McIntyre, Palmerston; 6-M. Morrison, Harriston.

BUTTER.

Table with columns: Prize, Exhibitor, Score. Includes section for Seventy-five one-pound prints.

Table with columns: Prize, Exhibitor, Score. Includes section for Sixty pounds, in ten-pound tubs.

Table with columns: Prize, Exhibitor, Score. Includes section for Two tubs, creamery.

Table with columns: Prize, Exhibitor, Score. Includes section for Farm dairy; two tubs, thirty pounds each.

Table with columns: Prize, Exhibitor, Score. Includes section for Two tubs, twenty pounds each.

Table with columns: Prize, Exhibitor, Score. Includes section for Basket of ten-pound rolls.

The cheese was judged by Mr. R. M. Ballantyne, Stratford, and the butter by Mr. Arch'd Smith, Milverton, Ont.

Dairy Apparatus.—The dairy machinery was located in one corner of the machinery hall, and was much less in quantity than usual. R. A. Lister & Co., Montreal, showed two Alexandra and two Melotté separators, hand machines, the former having capacities of 160 and 250 pounds per hour, and the latter 500 and 700 pounds. The National Creamery Supply Co., Guelph, showed two sizes of their popular hand separators. No. 1 skims 350, and No. 2, 600 pounds per hour. The latter machine has a pulley attached so that machine power can be utilized. The Vermont Farm Machine Co., Belkows Falls, Vt., showed two sizes of the United States separator, having capacities of 250 and 450 pounds per hour. Richardson & Co., St. Mary's, made a display with American separators, with capacities of 300 and 400 pounds per hour, as well as a gang cheese press, Babcock tester, pasteurizer, butter worker, and milk cooler. The Magnet cream separator was shown in different sizes by the Robertson, Taylor Mfg. Co., Galt, Ont., and the Alpha De Laval was exhibited by the Canadian Dairy Supply Co., Montreal. This firm also displayed a skim milk weigher, Victor combined churn and butter worker; also a turbine Ideal Babcock tester.

The majority of the firms expressed themselves as being favorable to their situation; in fact, more people saw their exhibits than in former years in the dairy building beneath the grand stand.

Probably we should not neglect to remark that the rapid churn and the hydrolactic separator were in evidence. Like all other fast churns, these were doing good work in water, and had been tested only a few months, so that proved claims could not be made for them. The hydrolactic separators were not pushed to any extent, since the public are learning that their merits, if they have any, are yet to be found out. In another column the "dilution separator" exhibit is referred to at length.

BUTTERMAKING CONTESTS.

During the forenoons and afternoons of Monday, Tuesday, Wednesday and Thursday of the second week, the busy buttermakers provided an interesting exhibition for large and interested numbers of spectators. In the professional class, which included graduates of the dairy school and operators of creameries, there were six contestants, five of whom were Guelph graduates. This class did four churnings on Monday and Tuesday. There were five non-professionals; four ladies and one gentleman started, but one lady dropped out at the end of the first churning. The contest was superintended by Miss Shuttleworth, of the Massey Dairy Farm. Professors Dean, of Guelph, and Hart, of Kingston Dairy Schools, judged the professionals;

and Prof. Hart and Miss Laura Rose, Guelph Dairy School, the non-professionals. The cream, which was of prime quality, was brought in from a creamery, and ripened with a lactic acid ferment. The same quantity—about 40 pounds—was given each contestant, at a temperature of about 52 degrees Fahr. They were advised when to commence, so that all were given an equal chance. At the word "go," the makers scalded their churns, then cooled them with ice water and turned the cream through the strainer into No. 3 revolving "Leader" barrel churns. Before commencing to churn, the temperature was taken, and away they went. Several times in the first few minutes the plug was removed to allow the escape of gas, and at the end of about half an hour the butter had formed in nice firm granules. The buttermilk was then allowed to drain out through dipper strainers, and while this was taking place the operators were busy preparing wash water, scalding the worker, ladles, etc., and putting them in order. When the buttermilk was well drained off, a pail and a half of cold water was turned into each churn to wash and harden the granules. The churns were given a number of rapid turns either way. While the wash water was draining off through the strainers, the workers, etc., were rinsed with ice water and sprinkled with salt. The butter, when well drained, was lifted into scalded and cooled tubs and weighed. It was then turned into the worker, spread, and the salt sifted on in two applications, with some working between. The makers were allowed to use their own discretion in the quantity of salt to use. The butter was worked till the salt was well mixed in, and a uniform color maintained. It was then put up in pound blocks wrapped in parchment paper. Each sheet was dipped into ice water immediately before applying it to the butter. When all the butter was wrapped it was placed into a refrigerator. The operators then had their churns, workers, ladles, dippers, etc., to scrub, scald, and leave in readiness for the next churning. We noticed the brush was liberally used in washing the utensils. The forenoon churning of Thursday occupied just one hour and fifteen minutes, and all finished together.

The following were the competitors, with their standing and scores:

Professional.	Score of butter.	Total score out of possible 800.
1—Robt. Ireland, Beachville	84.2	734.4
2—Miss H. McAllister	85.2	732.4
3—Robt. Ferguson, Chesley	85.7	731.4
4—J. Malcolm, Sheffield	85	730.4
5—Wm. Elliott, Gall.	84	730.4
6—A. McLean, Nelson	87	648.0
Non-professional.		
1—Miss F. Berry, Elmwood, Ont.	90	751
2—Miss Hunter, Rockton	93	747
3—Chas. E. Rogers, Dorchester Station	89	715
4—Miss Stewart, Hampstead	85	706

[NOTE.—Miss Berry took 3rd place in last year's competition, so that her pluck and persistence in trying it again are to be commended. Miss Stewart is a sister of the first-prize winner in last year's contest. Prize buttermaking apparently runs in the family.]

The following is the scale of points for butter-making contest:—

Name	Address	1st trial	2nd trial	3rd trial	4th trial	Total Average
Perfection		5				
Preparation of utensils		5				
Straining and coloring of cream		5				
Granular butter		5				
Washing and salting		5				
Working butter		5				
Newness and cleanliness (person and work)		20				
Quality of butter		25				
Cleaning utensils		5				
Exhaustiveness of churning		5				
Time		20				
Total		100				

The two judges scored each competitor separately and privately, and when finished, added their scores together. It will be noticed that the winners of the best prizes did not make the best butters; this is particularly noticeable in the professional class, as the highest scoring butter was made by the lowest scoring performer. The butter by the home dairy class also scored higher than that made by the professionals. This is accounted for by the refrigeration of the cream being better on the second and third day of the contests.

MILK TEST.

The forty-eight hours milk test was conducted by Mr. R. W. Stratton and Prof. Dean, of Guelph

Dairy School. Six Holstein cows entered, but only four continued the full period. All were milked three times in each twenty-four hours. The conduct of the cows proves that a public test made on an exhibition ground is an unsatisfactory means of learning the producing capacities of cows, especially those with highly nervous temperaments. There were milkings in this contest that tested little more than one per cent. of fat, while the same cows gave three-per-cent. milk at the next milking.

The following is a list of the cows, their owners, and the result of the test:—

RANK.	COW.	OWNER.	ADDRESS.	MILK SOLIDS.
1.	Inka Sylva.	C. J. Gilroy & Son.	Glen Buell.	128.25
2.	Highland Cornelia.	Rettie Bros.	Norwich.	13.4483
3.	Winnie E.	G. Rice.	Currie's Crossing.	126.
4.	Daisy Pexel 2nd.	G. Rice.	Currie's Crossing.	10.9183

THE FRUIT EXHIBIT.

It is said of the great architect, Wren, that he needed no monument other than the cathedral which he designed, and inside of the great building these words are inscribed: "IF YOU WISH TO SEE HIS MONUMENT, LOOK AROUND YOU." And if the visitor to the Industrial Fair at Toronto wishes to get an idea of the agricultural resources and capabilities of the Province of Ontario, the enterprise and progress of its people, he has only to look around him. Especially is this true with respect to the horticultural department of the great fair. The development along this line has been rapid. One generation has not passed since the days of the seedling apple; and the men who saw the beginning of what is now a great industry, and assisted in its development, are, many of them, not yet past the prime of life. So much for the present. What of the future? Verily, the prospect is bright, the possibilities great. The exhibit was larger this year than ever, and the quality, although the season was a little later than last year, very fine. If this exhibit could be made three, or even two, weeks later, so that the late fall and winter apples could get their full color and size, what a magnificent sight it would be. However, the apples were surprising as to size, considering the season. Very few of the grapes were fully matured, and although of fine size, many lacked their full color and flavor.

The first exhibit that attracts one's attention on entering the horticultural building is that of the Ontario Experimental Fruit Stations, with several hundred varieties of fruit. These were arranged alphabetically, but we think the former plan of placing each Station's exhibit by itself is much better for purposes of comparison. A large number of varieties of apples were shown from the Bay of Quinte, from Simcoe County, and from the Georgian Bay; pears from Whitby and from Burlington; grapes from Winona, and peaches from Essex, giving an object lesson on the products for which each section of the Province is best adapted by its climatic conditions.

A very interesting exhibit was a case of fruit shown by Mr. L. Woolverton, all ready packed for shipment in cold storage, and looking at the magnificent display of pears just across the aisle, the thought strikes us, if these can, by this system, be laid down in foreign markets in as good condition and appearance as we see them here, what a bonanza it will be for the fruit growers of Ontario.

The nursery firm of Stone & Wellington showed a collection of 200 varieties of apples from their testing orchards at Fonthill. This exhibit was very neatly set up and was a credit to the firm. The majority of these were new varieties, and looking over these and the great number of new varieties shown by the Experimental Stations, the question arises, how many of these will be of value? Will any of them excel or even equal in market value such old standard varieties as the Spy, King, and Baldwin? However, if among the new varieties, and they are legion, we can secure even one or two that are of high quality and market value, and that will be adapted to the varied climatic condi-

tions of the country, the value of such an acquisition would be well worth the effort. The Burlington Horticultural Society was again to the fore with a large and varied exhibit, and judging from the large and excellent collection of fruits, the man who has staked a claim in that section of country is fortunate. If a few of the other horticultural societies would make such an exhibit, the fruit building would have to be considerably enlarged.

The exhibit of plums was scarcely up to that of former years, owing, perhaps, to the overloaded condition of the trees in the sections where most of the exhibits came from. We have seen much finer in the Georgian Bay district. One noticeable feature, however, was the fine showing made by the Japan plums among the other varieties. Many of these are a decided acquisition, and have no doubt "come to stay."

The grapes were, though in many varieties a little lacking in color, well up in size, the immense size of some giving rise to a suspicion of ringing. The question is often discussed by fruit-growers, should ringing be allowed, for the exhibitor who does not practice it has little chance in competition with the man who does. However, until some regulation is made to stop it (and it might prove very difficult to enforce), the practice will continue, and that it adds greatly to the appearance of the exhibit no one will deny.

One defect of the fruit building is need of more light. The windows, though large, are darkened by close rows of trees, which shut out the light. But no doubt this defect will be remedied when the building is enlarged, which will have to be done ere long to make room for the ever-increasing display of fruit. The awards in apples go mostly to the Bay of Quinte district and the neighborhood of Hamilton, while in pears, plums, peaches and grapes the prizes are pretty evenly distributed through the southern part of the Province, chiefly from Burlington to the Niagara River. Owing to the early date at which the fair is held, it is not likely that the more northern sections of the Province will ever compete successfully, except, perhaps, with a few early varieties, as there is a difference of from two to three weeks in the season. But what the northern sections lack in earliness, they more than make up in quality. Could a Provincial exhibition of fruit be held, say in November, what a magnificent display could be made from all over the Province. However, the fruit department of the great Industrial Fair is one of the most interesting things to be seen there. It has an educational and a patriotic influence, for a country that can make such an exhibit as is seen here is one to be proud of.

The Judging Competition at Toronto Exhibition.

In the judging competition at the Toronto Industrial Exhibition for the liberal cash prizes offered by the Massey-Harris Company, open to farmers or farmers' sons under 25 years of age, there were some nine or ten candidates, the majority of whom were students or ex-students of the Ontario Agricultural College. The conditions stated that judging might be done by means of a score card or otherwise. The official judges, Prof. G. E. Day and Mr. G. W. Clemons, in cattle, and Prof. Day and Mr. Robert Miller, in sheep, decided that the score card should not be used in this case, and the competition was judged on the basis of forty points for correct placing of the animals, fifty points for reasons given in writing, and ten points for quickness in handling in results. In judging cattle of the beef breeds, the prizes were awarded as follows:—1, W. A. Tolton, Walkerton; 2, T. A. Russell, Toronto; 3, A. S. Gardhouse, Highfield; 4, W. A. Dryden, Brooklin. Dairy cattle—1, Percy F. Clemons, St. George, scoring 185 points, or 23 higher than any other competitor; 2, W. J. Black, Stanton; 3, F. R. Mallory, Frankford; 4, J. A. Robertson, Guelph. In judging sheep, the awards were—1, John A. Robertson, Guelph; 2, W. A. Dryden, Brooklin; 3, D. H. Galbraith, Orangeville; 4, F. R. Mallory, Frankford.

A Canadian Breeder in Ireland.

To the Editor FARMER'S ADVOCATE:

DEAR SIR,—I attended the sale of Shorthorns bred by the late W. T. Talbot Crosbie, Esq., yesterday, at Ardferd Abbey, and purchased fifteen animals, ten of the Ardferd Isabellas, three Aylesby Flowers, and two Duchesses; three of them are bulls. The sale was considered very good for this out-of-the-way place, in the very south-west corner of Ireland, near the Lakes of Killarney, which I have been all through since I came here. I am not surprised at this being called the Emerald Isle. Rural England and Scotland cut no figure beside this country for beauty nor the hospitality of the inhabitants, but there is a great lack of home industries, no manufacturing, and they indulge too much in "the crater." I saw some Massey-Harris binders on the wharf at Dublin that I thought was a great advertisement to Ontario. I expect to sail on the 1st September from Glasgow for Quebec on the "Tritonia" of the Donaldson Line. I am in a great hurry, but I thought I would drop you a line.

Yours truly, Wm. LINTON.

Tralee, Ireland, Aug. 24, 1900.
P. S. Mr. John Thornton sold the cattle, and he invariably sells by the sand glass, which I like very much.

K. SIR, sion an the cor FARMER as we c wheat to the which we beli farmer them tioned, for an v ment v pretty tage of this wh We now b yielded averag as six; Little year, a some th out ma else bu with of We Mr. Za covere winter amount circum as well speaks vigorou fall. remain still ma and ru Mr. commu 15th, s wheats Ontari

Dawson Red Cla Turkey Michiga Genesee This Red is lodged has be the c Michig Red a grower of the not so as the ence v There Diam millin grind. Millar two y Th Red C and u ing fro wheat weigh does n five to this, a W seems any o of it a and v ing it thro

TH Asso. Ther were Mary cheer trans whea befo Th that factu inter grow com mill. East cent mib the th dis a mib

FARM.

Kansas Turkey Red Seed Wheat.

SIR,—As there seems to be an erroneous impression among farmers, owing, we think, to some of the correspondence that has lately appeared in the FARMER'S ADVOCATE, we wish to say that, as far as we can learn, the Turkey Red is the best milling wheat in the country, slightly superior, we think, to the Michigan and Egyptian Amber wheats, which have hitherto been the best winter wheats, we believe, in Canada, and we would strongly advise farmers to give it a trial. We would not advise them to give up the two Amber wheats above mentioned, though we think the money spent on seed for an acre or two of the Turkey Red as an experiment would be advisable, and we hope they will pretty generally see it in this light and take advantage of the opportunity now afforded of securing this wheat at cost and seeing what there is in it.

We learn that in Waterloo County, where it has now been sown for two years, it has this year yielded as much as other varieties, some fields averaging forty bushels per acre and testing as high as sixty-four pounds per bushel. Mr. Schmaltz, near Little Germany, put in seventeen acres of it last year, and has harvested a very fine crop, going some thirty bushels to the acre on barley land without manuring at all. He is going to sow nothing else but the Turkey Red variety this year, and so with others.

We understand, in the instances mentioned by Mr. Zavitz where it did so poorly, the fields were covered by a good deal of water and ice during the winter, and the wheat had really no chance to amount to anything. Other varieties under similar circumstances would not have done any better, if as well. Mr. Cowgill, in the Orange Judd Farmer, speaks very highly of it. He says it is a very vigorous wheat, and may be sown very late in the fall. In the far-western counties it frequently remains in the ground unspouted until spring, and still makes a fair crop. It resists drought, insects and rust better than any other wheat.

Mr. G. H. Clark, formerly of the O. A. C., in his communication to the FARMER'S ADVOCATE of Aug. 15th, shows the comparative value of the following wheats, which are the most commonly grown in Ontario, as per the O. A. C. Bulletin 103, 1896:

	Weight		Yield.	Pressure to Crack.
	Rust.	Lodged.		
Dawson's Golden Chaff.....	40	2	59.8	49.9
Red Clawson.....	50	45	58.7	46.2
Turkey Red.....	15	42	62.0	34.8
Michigan Amber.....	40	8	61.5	46.2
Genesee Giant.....	70	5	60.9	47.8

This shows that in the matter of rust the Turkey Red is ahead of the other varieties, and in straw lodged it is not so bad as the Red Clawson, which has been, and is still, so extensively grown all over the country. From a miller's standpoint, the Michigan and Egyptian Ambers and the Turkey Red are the wheats we would recommend to be grown above all others for the quantity and quality of the flour. There may be other varieties that are not so extensively grown that may be just as good as these three, but we have not had sufficient experience with them to speak confidently of their worth. There is one variety, however, known as the Diamond Grit, which looks to us like a very fine milling wheat, but as we have not had any of it to grind, we cannot speak of it so positively. Mr. Jas. Millar, of Guelph, has grown some of it for the past two years, and, we believe, likes it well.

There is no doubt that better prices will be paid for the Turkey Red than for such wheats as the Red Clawson, which does not test over standard, and usually below. At the present time we are paying from two to seven cents more for the Amber wheats than the Clawson, according to the tested weight, and we are confident that if the Turkey Red does not deteriorate in strength it will be worth from five to ten cents per bushel, and possibly more than this, above the softer wheats.

We may say that the Dawson's Golden Chaff seems to be more affected by smut this year than any other variety, and we have received a few loads of it already that are entirely worthless for milling, and will have to be used for feed. Farmers growing it again should certainly see that the seed is thoroughly bluestoned before seeding.

THE JAS. GOLDIE CO., LIMITED.

Dominion Millers' Association.

The annual meeting of the Dominion Millers' Association was held in Toronto on August 30th. There was a good attendance of members, who were presided over by President H. L. Rice, St. Mary's, Ont. The chief matters discussed were cheaper freight rates for flour, grinding wheat in transit, and the milling qualities of Ontario wheats, a subject recently brought prominently before public attention by the FARMER'S ADVOCATE.

The President in his address showed clearly that farmers, transportation companies and manufacturers should work in sympathy, since the interests of all were so common. Farmers should grow the best milling wheats, and transportation companies should allow wheat in transit to be milled and the flour sent on to the export and Eastern Canada markets at the through rate, one cent per hundred pounds of flour being charged the millers for the stop-off privileges. Were this done, the man and shorts would be fed on the farms, thus enriching the soil and at the same time producing export meat and dairy products for the markets to carry to market.

Mr. Geo. Goldie, Ayr, Ont., contended for more favorable freight rates. He complained of last year being a poor one for Ontario millers, since the milling qualities of wheat have been so poor. Better freight rates would make it profitable to secure more Manitoba hard, and thus improve the quality of our flour. This must be done, or new markets must be looked for. It was pointed out that wheat is carried almost as cheaply from the Western States to the Atlantic seaboard as from Ontario. This is felt to be a hardship. Mr. Goldie contended for grinding in transit privileges at export rates. Mr. Hunt, of London, contended that the grinding in transit system would extend the transportation over the year instead of the three or four months now occupied in shipping wheat. It was urged that grinding in transit would greatly increase the export trade and thus relieve Eastern Canada and local markets.

The Executive Committee reported that the Government had agreed to allow wheat for seed to be imported from Kansas free of duty, provided it was sold to farmers at cost price; that the Association had arranged to bring into Canada from Kansas between 10,000 and 12,000 bushels of red Turkey wheat, which has been found to withstand the Canadian winter and to be good for milling purposes. They reported also that the railways had agreed to give the same rates on flour for export from Ontario points as has been given on wheat.

Mr. C. A. Zavitz, Experimentalist at the Guelph Experimental Farm, by the aid of a chart, discussed the relative merits of seven varieties of fall wheat that have been grown side by side in plots for five years. Those were Dawson's Golden Chaff, Egyptian Amber, Michigan Amber, Genesee Giant, Early Red Clawson, Treadwell, and Turkey Red. The millers complain bitterly against some of these sorts, but chiefly Dawson's Golden Chaff for poor milling qualities. They also speak very highly of Turkey Red, as possessing high milling properties. Mr. Zavitz has found that Turkey Red is a hard wheat, but grows on a weak straw. It is heavier per measured bushel than Dawson's Golden Chaff, but for six years has produced several bushels per acre less grain: so much less that farmers would require to get 95c. for Turkey Red, as compared with 70c. for Daw-

will now find two corn harvesters of the latest make in one field cutting for the fastest makes of blowers, and even then there is a fear that the frost may overtake the tardy ones, as it has done in past years. Where almost every farmer has a silo, it becomes absolutely necessary that the principle of co-operation must come largely into use, and where the best system is employed the best satisfaction prevails. The *modus operandi* usually followed is for a number, from three to eight, to form a company and buy a harvester for their own particular use, and at odd times to cut out for others; secure a driver to run it for the season and keep it in repair. A meeting of those whose interests coincide is held before the season begins, when routes are arranged, and the order then established usually prevails, with slight variations, till the end of the season; this arrangement usually embraces the harvester and blower. A rate per mile for the harvester is fixed at the beginning of the season—about 30 or 35 cents per mile—and all pay alike, and at the end of the season those who have a share draw a dividend. Forty tons in a day used to be considered very good, but it is now necessary to put in from 80 to 100 tons, or the frost will catch some.

Some conclusions that the people have arrived at may be of interest: (1) That in case of the corn being frozen, it is better to cut it down as soon as possible and put into large stooks to keep it from drying out. (2) That it is better to have the silo half full of good strong, well-cared corn than to be full of stalks, leaves and water, usually the result of being too thickly sown. From 30 to 40 inches in the rows is narrow enough, and in hills, 40 inches each way. Planting in hills makes more labor in sowing, but saves much in cultivation, and gives good return in the crop. We are expecting the advent of the western planter in the course of a year or two. (3) That the ensilage should be well mixed when put in, kept highest around the outside and well covered with cut straw or green clover. The octagon form of silo prevails, though many are building cement, both round and square.

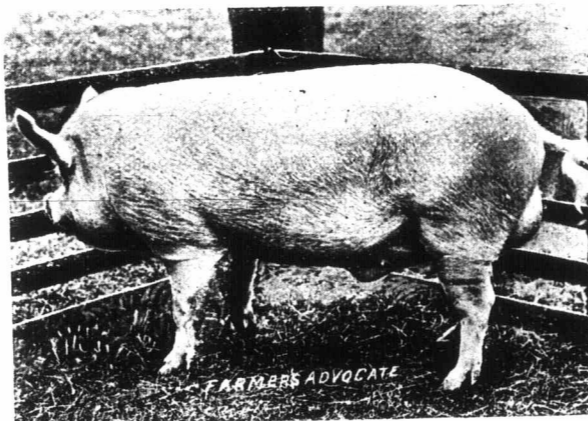
Surely, the silo has come to stay, and the farmers of this district are thoroughly "corned." The wives, daughters and sisters take in the exhibitions, while the sterner sex wrestle with the giant grass in storing sunshine for winter use.

Although corn harvesters have been in use here for the last four years, there has been no complaint of the twine being injurious to the stock to which the silage has been fed, no attempt being made to remove the twine; in fact, it goes through the cutting box without cutting the bands at all. Though there have been several devices for scattering the cut corn from the blow pipe, none is so effective as the man in the silo to spread and mix it properly. Nearly all tramp the silo around the outside, and especially the corners, and have, as a rule, two men in the silo. When the corn becomes dry, being frozen or ripe, it is necessary to water it, which is done by placing a barrel with a spigot just alongside of the drum of the blower, near the wind hole, and the suction will take in the water and distribute it evenly.

JOS. MOUNTAIN.
Perth Co., Ont.

Give Turkey Red Wheat a Fair Trial.

SIR,—Since writing you last we have met Mr. Englebert Schmaltz, of New Germany, one of our most successful farmers in Waterloo Co., who got some of our Turkey Red wheat in 1898 and has now grown it two seasons. He had 17 acres of it. Sowed it on barley stubble land on Sept. 28th, 1899. The ground was very rough on account of being very dry when plowed, so could not work it fine, it being heavy land. He has found it very satisfactory, threshed over thirty bushels to the acre, (30 bus.). The straw was very nice and tall, not lodged, could reap right around the field. The straw is of superior quality for using, and seemed to stand the winter best of all the wheats he had the last two winters. He will sow at least 20 acres of it this season again. We cannot understand why the farmers are so set against sowing this wheat and giving it a trial. As we have already pointed out, it should be encouraged for its superior strength in breadmaking qualities, as our formerly grown wheats, such as the Treadwell and Fye spring wheat, used to be. When those two wheats were grown here in 1870 to 1872, we could make a flour superior to the United States mills. We even shipped flour then to Boston and New York markets and paid 20 per cent. duty on it, and still could compete against the Minnesota flour, but since that time our good qualities of wheat have fallen off to softer varieties. Now, when a wheat is to be had to work up this reputation again, why not get it? It will be profitable to both farmers and millers, as we wrote some time ago. Farmers and millers, as you may take it, should work hand in hand together to get up a reputation for our flour made from all Ontario wheat that would compete against any wheat or flour in the world's market, not only on our own tables, but all over the world, the same as Manitoba does now. If the Manitoba farmers would drop raising their hard wheats and go into raising the soft wheats, what would become of their great reputation? Just the same way as our Ontario reputation went, it would be lost. This wheat now being introduced from Kansas worked up such a reputation for Kansas that there is a demand for their wheat and flour all over the world as far as into Germany. It is not experimenting, as it has been tried now two years and turns out just as good as any other



SUMMERHILL RULER.
First-prize Yorkshire boar, over 6 and under 12 months,
Toronto Exhibition, 1900.
PROPERTY OF D. C. FLATT & SON, MILLGROVE, ONT.

son's, in order to get equal returns per acre. Mr. Zavitz's discussion included the same general lessons as contained in his letter to the FARMER'S ADVOCATE, Aug. 15th.

Mr. Peter Shirk, of Waterloo County, who imported a carload of Turkey Red wheat in 1898, read reports written by several farmers who have grown crops from the imported seed. The findings of these men were to the effect that Turkey Red wheat stands the winter well, and yields a good crop of heavy wheat. Most of the growers were surprised at the returns from the machines, as the yields far exceeded the expectations. The weakness of straw was referred to by almost every grower reported.

Mr. Robt. Harcourt, B. S. A., assistant chemist, Guelph Agricultural College, brought to the meeting loaves of bread made from flour of six varieties of wheat. Compared with Turkey Red, Dawson's Golden Chaff yielded considerably less bread per hundredweight of flour, and of a much poorer quality. The bread from Turkey Red wheat compared favorably with that from Manitoba Fye, both in quantity and quality.

The following officers were elected: President, W. H. Meldrum, Paris; First Vice-President, J. C. Vanstone, Bowmanville; Second Vice-President, W. G. Bailey, Hamilton; Treasurer, Wm. Galbraith, Toronto; Secretary, Charles B. Watts, Toronto; Executive Committee, J. D. Flavell, Lindsay; George Goldie, Ayr; J. I. A. Hunt, London; M. McLaughlin, Toronto; H. L. Rice, St. Mary's; H. Shaw, Toronto.

Corn Harvesting.

Some observations in regard to this important question, as it confronts the people of this county, may be of interest to your readers who are growing corn for ensilage or may have it in contemplation. I am not aware that there is any other part of the Province where the silo holds sway to the same extent as it does in this county, and as they increase, the problem of labor for harvesting becomes harder of solution, and we find that where four or five years ago the corn was cut with the sickle, we

variety of wheat. Some have better crops than others, amongst the farmers, of this wheat—and so with all other varieties. There is no reason to object to it as some writers do. Why, it is not ruinous to any farmer to sow part of his crop of it, and give it a fair trial. The millers brought it in at no profit to assist the farmers in getting it in quantities as early as possible; and the price is not ruinous. We know of fakes coming in our county, and not long ago, selling wheat from \$3.00 to \$5.00 per bush, and the farmers only taking their word for its quality—when this wheat has already been tried and quality known. SHIRK & SNIDER, Waterloo Co., Ont.

Training Young Collies.

BY ROBERT MEWEN.

It would be far from an easy task to lay down suitable hard and fast rules governing the training of collies; in fact, they are neither necessary nor desirable, but some hints on the subject may lead owners to the exercise of a little reasoning, by which beneficial results may be obtained in the management of all stock, and collies in particular. Instinctively, each species of animal in a greater or lesser degree will exhibit the characteristic traits peculiar to it, or, in other words, will show those qualities which existed in a marked degree in its progenitors, else the recognized laws of breeding are astray. This applies to dogs quite as much as it does to horses, cattle, sheep and pigs, and the natural inference to be drawn is that any person requiring stock of certain qualities would select the produce of those sires and dams possessing them. It is just as reasonable for the farmer to expect assistance from his properly-bred collie as it is for the huntsman from his pointer or setter. The purchaser of a setter pup (except he has the leisure and opportunities of doing the work himself) customarily places it in the hands of a breaker, at an expense of from \$25 to \$50, before he undertakes to shoot over him. What does the farmer do? Too often simply nothing, and expects his *tyke* to do as it is bid without any instruction. A collie in Scotland is not considered thoroughly broken until it has been in training with a shepherd and worked daily for eight months or a year. In this country there are not the same opportunities, but full advantage must be taken of those at hand. A puppy is all the better of being taken when about 3 months old, and the more it is allowed association with the household, the more character and the sharper and brighter will it grow. It is sometimes maintained that a dog should never be brought into the house; that by so doing it is petted and spoiled. Of course, a dog can be (a child often is), but the one no more likely than the other. By its exercise the brain is developed and intelligence is produced, for a time escaping attention, the growth is so gradual, until some marked action is exhibited; and it must not be overlooked that while a collie must be built for a worker, he must also have brains. Instinctively, the collie is most devoted to his master, following him, if allowed (and he should be), into every room of his house, and at meal time he imploringly looks for a crumb from the table, which should not be denied him. Such little attention will inspire confidence and the grateful desire to do something by way of return. In this frame of mind, he is easily taught to be promptly obedient, to come to heel immediately when called, until gradually he becomes a well-trained dog and a most useful adjunct to the farm.

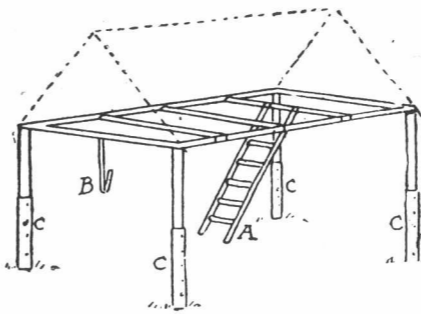
DAIRY.

Another Dilution "Separator."

Among the exhibits of dairy apparatus which we observed at the Toronto Exhibition was what was called "Hunt's Ventilated Cream Separator," which, it was claimed, would take out "all the butter-fat" from milk in from 20 minutes to one hour, without the use of ice, reducing the cost of making butter, making churning easier, and leaving a better quality of skim milk for the calves. The apparatus itself was simply a well-made tin can, with a side glass gauge at the top and bottom to show the depth of cream, and a hollow tube up the center. Half a dozen cans were exhibited, the diameters of which ranged from about a foot to over 20 inches. The ordinary shotgun can used by dairymen is about 8 inches in diameter. What was called the ventilation feature of the Hunt separator was only a hollow tin tube about 2½ inches in diameter, running up from the bottom through the center of the can, open at the bottom, and with a movable cap for the top, the band of which was perforated. We asked the young man in charge of the cans a number of questions about the process for which so much was claimed, and suggested that he should have an actual test of their cream-raising capabilities made at the dairy department of the show. He courteously replied that we could take a can and try it ourselves, and if it did not do what was claimed we could have it for nothing. We accepted his proposition. He picked out a can and gave us a cloth strainer for the milk and told us to dilute the milk with an equal quantity of water, and to put the latter into the can first, straining the milk into it, which directions we carefully followed out that very afternoon. The herdsman in charge of Messrs. W. W. Ogilvie's herd of Ayrshire cows kindly furnished us with milk taken fresh from the

cow for the trial, and Mr. R. W. Stratton, an instructor from the staff of the Ontario Agricultural College Dairy School, who was present doing the testing with the Babcock test in the public exhibition milking trials, consented to test the whole milk and the skim milk after separation for us. The milk (19 lbs.), diluted as directed, was set for one hour so as to give the process full justice. The cream began to rise very soon, and its depth was well defined, as seen through the gauge, and what rose seemed to come up in about forty minutes. Being half water, the skim milk looked thin, which might lead one to suppose the separation was good, but appearances are deceitful. Mr. Stratton's test showed that the whole milk was of very good quality, containing 4.7 per cent. of butter-fat, but the skim milk test, after the full hour had expired, showed that no less than 1.2 per cent., or actually about one-fourth of the fat contained in the milk, was not taken out, a very serious loss, and one which no dairy farmer can afford. Good work on the part of any of the standard makes of centrifugal separators will not leave over .1 (one-tenth of one per cent.) of butter-fat in the milk. The claim that the skim milk (half water) from the dilution can was extra good for calves might be partly accounted for by the large quantity of fat left behind. Since the milk is to be diluted with an equal quantity of water, a dairyman would also require double the can space that he would for the ordinary deep setting, and have double the quantity of "half-and-half" skim milk to handle. From an agent's price list we notice that these so-called separators are made in seven sizes, quoted, retail, at from \$5 (for from one to two cows) up to \$10.50, according to capacity, which we look upon as pretty steep prices for tin cans. We did not hold the party in charge of the exhibit to his promise to give us the can, as the weather was too warm to carry it away, and the writer really could not afford to maintain such a costly and wasteful luxury, and would not be heartless enough to give it to anybody else, when they could buy a shotgun can for \$1, and do their own diluting, if they imagined there was any virtue in it.

POULTRY.



ROOSTS FOR POULTRY, WITH LADDER APPROACH.

Margins on Well Fattened Fowls.

In Boston market the highest prices are for what are called fresh-killed fowls. Some of these come to market alive by carloads, and if they are not in demand by the Hebrews and Chinese they are stored and killed and dressed about as the market needs them. Others are gathered up by parties who go with teams among the farms and villages to buy them up and take them home, where some give feed for days or weeks if they think it needed to fit them for market, and these parties kill and dress their stock according to the demands of the market. The margin between what they pay for live chickens or fowls and that which the consumer pays for his dressed poultry in the market is enough to give a living to the gatherers and to the marketmen, but often the gatherers add to it by putting more flesh on them, or on chickens more particularly, before they kill them. Many people sell poultry not much more than half fattened, though they get but small prices.

GARDEN AND ORCHARD.

Market Garden Notes.

Banking up Celery.—Forward celery grows freely; it is less tainted with blight than it is some seasons; it looks strong and vigorous. Care should be taken in earthing and banking up. Banking is often performed in a careless, rude way, but this is not congenial to the delicate stems, which appreciate gentle and patient treatment. Especially the first mould that is gathered to the stems should be placed there tenderly, not rammed into them so as to stifle the heart of the plant. Let the leaves be gathered up and held in one hand whilst the mould is packed up carefully, not too tightly at first. Later on, as the weeks roll by, the celery must be shut in closer till only the tops of the leaves appear above the bank of earth; it is often pushed in gently with a short piece of board. Great care is absolutely necessary, as etiolation or bleaching must be perfect, and the stalks should be perfectly white except about an inch and a half at the top. Provincial celery often comes to market rough and coarse, unfit for table in a raw state, consequently is only available for soup. As a rule, the Middlesex and Essex celery looks most

delicate, consequently commands a higher price. **Drilling.**—Transplantation has recently and often been alluded to in these notes—naturally so, as much of the gardener's time is occupied in setting out during several months out of twelve. But while transplanting is a great duty with the gardener, time and labor may be economized, both of which are important, by a judicious use of the drill. Where farmers in the country turn their attention to garden work they have often unlimited land at their disposal. Then the utilization of a light "economic" drill is invaluable, because the crop can be put in the field exactly where it is intended to stand and mature. Broccoli, coleworts, lettuce may be drilled in with advantage in a dry summer, as the seed is more likely to germinate when quickly laid in a trifle deeper with the coulter of the drill than when sown on the surface, and brushed in with a pair of harrows. Again, when the seedlings are of a size to transplant, there may be a drought, there may be tightness of labor, but these obstacles cause no difficulty if the plants are in the very place where they are to stand. Liberal hoeings are required to loosen and stir the ground, while the use of a horse scarifier, if the width of the rows permit such treatment, is valuable. It is not certain that crops always thrive better after the drill, as sometimes the soil settles down tight around the roots, and the ground becomes solid; whereas, in transplanting, an additional plowing intervenes in the summer, which does much to maintain the land in a tender, loose, porous, fertile, lively condition. When the field settles down, after heavy rain, in a firm, stiff mass, the roots of the plants are bound, hampered and confined—the rain runs off into the furrows and watercourses, instead of soaking into the soil to the benefit and nourishment of the herb.

Thus drilling will not supersede transplanting; but dry seasons and shortness of labor tend to increase the use of the drill, and widen its popularity. Again, drilled crops are more simple to thin and space than broadcast crops. When skilled labor is scarce, this is another inducement to use the drill, which is more and more in request on a garden farm. Twenty-five years ago most of the crops were sown broadcast, but a great change has come over the scene of late. Formerly cereals, mangel, vetches, clover, thousand-headed kale, peas, lucerne, etc., were drilled; to-day we see onions, carrots, coleworts, parsnips, spinach, lettuce, etc., frequently put in by the same implement.

Naturally, seeds of such varied size, weight, substance, character, form, need a great many changes to suit the changing circumstances in the direction of cups, barrels, levers, etc., and scope is given to the ingenuity of manufacturers in this respect. Good drills are now obtainable at various prices, ranging from £5 to £6 up to £30, according to size. Every large gardener should have one of each size, a small machine to drill in 2 acres with a pony, and a larger drill to sow 12 or 13 acres in a day with two light horses.—*Agricultural Gazette (Eng.).*

The Beautiful Tulip.

BY JOHN R. PETTIT, WENTWORTH CO., ONT.

Those who are desirous of having an attractive display of early flowers next spring must make preparation this fall, and the time will soon be here when this work will have to be performed. The majority of farmers do not care to devote a great amount of time to the cultivation of flowers, and those who desire a display of bloom often look to those flowers needing the least care and cultivation. Such flowers are found in the bulbous class, and the hardy spring bulbs are the most satisfactory of all.

Of the so-called hardy bulbs, there is, in all probability, no other that gives the satisfaction as does the tulip. For beautiful forms and dazzling brilliancy of color it is far in advance of all other spring flowers, and nothing can equal its gorgeous appearance in whatever position it may be placed.

There are many classes of tulips, of which a few of the most distinct are: (1) Byblö-mens, (2) Bizzares, (3) Sweet-scented, (4) Parrot, (5) Darwin, (6) Gesneriana, (7) Single Early, (8) Double Early, (9) Variegated Foliage, (10) Duc Van Thol. These different classes have their characteristics, and there are most beautiful varieties in them all. While this is true, the very finest are to be found in the "Single Early," "Byblö-men" and "Bizzare" classes.

Tulips are of very easy culture, and when the bulbs are once secured they will last a lifetime, not only giving regular yearly bloom, but also rapidly increasing annually. They will thrive in any kind of soil, even hard clay. While this is a fact, 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 spaded up and made fine before the bulbs are set. They should be planted four inches deep and from four inches to six inches apart, according to size of bulb. The bed should be slightly raised above the surrounding soil, so as to keep water from settling about the bulbs and roots.

Some people lift their bulbs every year. This is a mistake, for besides the annual labor in connection with lifting and re-planting, they will not give as fine flowers or multiply as rapidly. A spot should be chosen so they may remain unmoved for at least three or four years, then be lifted, the clumps divided and then re-planted.

Tulips should be planted in the fall, and as soon after September 1st as possible. While they may

be planted on into November if the soil is not frozen, the results will not be so satisfactory. The bulb has to make the most of its roots in the fall before the ground becomes frozen, for as soon as the frost is out of the ground in the spring the flower buds begin to appear. There is then no time for the bulbs to make roots, but instead the root must be sustaining the flower and producing a new bulb. The sooner they are in the better, as more time is then given for root growth, and the more root the larger and finer the bloom the following spring.

Tulips are perfectly hardy, but they do much better with some protection during the winter. A covering of coarse stable manure over the bed after it is prepared in the fall, to the depth of four or five inches, is the proper thing. This keeps the bulbs from being repeatedly thawed out and frozen up again, an action very trying on the vitality of the bulbs; besides, the strength is washed out of the manure down into the earth by the autumn rains and thus the soil is enriched. By this annual covering the flowers are made much larger and far more brilliant in color. Of course, any covering used must be removed very early in the spring.

Most pleasing effects can be produced by filling a whole bed either with one variety or with two or three varieties coming into bloom at the same time. In planting more than one variety, care should be exercised to select colors that will blend and also varieties whose flower stems are near the same length. Nothing gives greater displeasure to the true gardener than to have a bed of tulips made up of a hundred varieties, some in bloom to-day and others not until two weeks hence; some dwarf, some tall; some single and some double. Solid colors is what pleases the true florist.

A few of the finest named varieties are: "Canary Bird" (yellow), "Cerise Grisdeline" (beautiful rose), "Cottage Maid" (delicate rose, white stripes), "Keizer's Kroon" (bright crimson, broadly edged with yellow), "L'Immaculee" (pure white), "Pottelbaker" (bright canary yellow), "Van Der Neer" (the finest of all violets, extra large), and "Proserpine" (rose, shaded with salmon, extra fine). These mentioned are all "early single" tulips. Finest among late tulips are "Byblomens," "Bizzares" and "Parrots."

The tulip, the flower that many years ago caused men to go crazy, and the financial ruin of men of wealth; the flower that was then and is now admired by all, and the growing of which furnishes employment for thousands in Holland, should be extensively planted by every flower-lover in the land.

QUESTIONS AND ANSWERS.

[In order to make this department as useful as possible, parties enclosing stamped envelopes will receive answers by mail, in cases where early replies appear to us advisable; all enquiries, when of general interest, will be published in next succeeding issue, if received at this office in sufficient time. Enquirers must in all cases attach their name and address in full, though not necessarily for publication.]

Veterinary.

HEAVES IN HORSE.

T. R., P. E. Island:—"I have a mare, 6 years old, with the heaves. I would like to know how to feed her, and if she can be cured in any way? An answer through your valuable paper would oblige one of your careful readers."

[The disease known as heaves is incurable. The distress, however, may be relieved by careful and regular feeding. Never allow your mare to overload her stomach, especially with dry hay. Feed bran liberally mixed with each allowance of grain, and about two or three times a week give a bran mash at night instead of grain. A cup of pure raw linseed oil mixed in her feed once a day will also be found useful if she will take it, and a tablespoonful of Fowler's solution once or twice daily for two weeks at a time will give relief. Dampen all her hay, which should not exceed 10 to 12 pounds daily. Also avoid excessive draughts of water.]

THROAT TROUBLE IN MARE.

J. W. S., Peterboro Co., Ont.:—"Mare, thirteen years old, has been running on pasture with her first colt, which is two and a half months old. About two weeks ago mare was noticed to be failing, and, on examination, I found that her head was badly swollen on outside of cheeks from bottom or lower grinders up to eyes. I had her teeth filed for the trouble, but to no effect. She has not eaten anything for a week but oatmeal in water, as she cannot swallow anything else and can take only a few swallows at a time. We have blistered lumps, but don't think it is helping her. The cheeks seem as though they were going to break on the outside."

[Your mare has either strangles or laryngitis, either of which causes difficulty in swallowing and often swellings such as you describe. Keep hot poultices to the swollen jaws and throat; do not allow the poultices to become cool. Steam the nostrils by holding her head over a pot of boiling water to which has been added 1 dr. carbolic acid. Keep stirring the water with a whisk of hay, which encourages the escape of steam. Give her anything she will eat (soft food preferable); feed and water from high manger, so that she will not need to put her head down. Place a little, say 1/2 dr., solid extract belladonna between the molars four or five times daily; do not attempt to drench her with medicines. If she will not or cannot eat, give milk with eggs beaten into it to drink. If abscesses form, they must be opened, and the wound and cavity treated with carbolic acid, 1 part: water, 60 parts. If the breathing becomes very labored, an operation by a veterinarian will be necessary. J. H. REED, V. S.]

IMMOBILITY IN CALF.

J. S. S., Waterloo Co., Ont.:—"I have a colt a year old in July last. It seems healthy, has a nice coat, gains in flesh, grows and does all right, but is limber in its legs. It paces, but seldom gallops or trots. I have seen it try to turn when running, when he would catch hind legs or get them crossed and flop down, roll over, legs flop down like sticks tied together for joints. When turning or trying to back him he seems to lose power of his limbs. He's been that way since July 16th or 17th."

[Your colt has a nervous disease, closely resembling St. Vitus' dance in the human family, and is probably incurable. We have known such cases to be relieved from cutting off a piece of the tail and allowing the artery to bleed freely. You might give him a tablespoonful of Fowler's solution once a day for two weeks, then skip two weeks and repeat for three times; but we think the chances for recovery are slim.]

HORSE KICKED ON LEG.

W. M., Restigouche Co., N. B.:—"I have a horse that got kicked last fall on the gambol part of his leg, and it became swollen and stiff, so that he has no use of that leg; he can hardly put it to the ground. He has been in pasture all summer, but don't appear to be getting any better."

[Your description of the part kicked is very indefinite, as the term "gambol part" is used by many to indicate different parts of the hind limb. If the injury was received on the hock joint it is probable a bony union of the bones has taken place and he cannot be cured. If higher up, unless there has been fracture, followed by imperfect union, he should recover. It is so long since the injury was received, the lameness has become chronic, and it probably would be well for you, if possible, to have him examined by a veterinarian. If this be not convenient, I would advise repeated blistering with the following: Take biniodide of mercury, 2 drs.; powdered cantharides, 2 drs.; lard or vaseline, 2 ozs.; mix well. Clip the hair off the enlargement and apply the blister with good friction, putting a little on at a time and rubbing well in, then a little more, and so on for half an hour. Tie his head so that he cannot bite the part. In 24 hours rub well again with the blister, and in 24 hours longer wash off with warm water and soap, and apply a little sweet oil or hog's lard. Oil every day until the scale comes off. Blister in this way every three weeks. J. H. REED.]

WEAK FETLOCK IN FOAL.

SUBSCRIBER, Wellington Co., Ont.:—"What treatment would you recommend for a colt which came weak on fetlocks? It is strong and healthy every other way, but goes over until it walks right down on fetlock."

[The cause of the above condition is a weakness of the extensor muscles, which are situated on the anterior aspect of the arm, and a too rigid condition of the flexor muscles which are on the posterior aspect. Applications of liniments or lotions do no good. Treatment consists in supporting the limbs by means of appliances which prevent the fetlock joints flexing and going forward. If this can be done the parts will gradually gain strength. There have been many different appliances tried with varying success. I have found better results from the following than from any others: Get your harnessmaker to cut a piece of thick felt, such as is used for housings, collar pads, etc., to fit the leg from the knee to the foot. Have the felts so that the edges will not meet by one-half an inch. Get three pieces of green elm or hickory about one inch wide and a quarter of an inch thick, two the same length as the felting, and one one inch longer. The long one is placed in front so that the extending inch of wood will rest upon the hoof. One of the others on each side. Six straps with buckles on one end are now attached to the felting and stays about equal distance apart. This appliance is buckled snugly to the limb, sufficiently tight to prevent shifting, but not tight enough to check circulation. The colt must be kept in a small paddock in the stable, as it is not well to give much exercise. The appliance requires to be removed for a few minutes twice daily in order to allow a circulation of air around the limb, else probably there will be scalding, especially in warm weather. If any parts are becoming scarified or sore, place some cotton batting over them. The raw surface mentioned should be kept clean and dressed regularly with one part carbolic acid to seventy parts sweet oil, or with zinc ointment. J. H. REED.]

PUNCTURING TO RELIEVE BLOATING.

YOUNG FARMER, PARRY SOUND DIST.:—"Four days ago I had two cows badly bloated from getting into a field of grain. I had to puncture both to save them. They came around all right, but one has not healed where it was opened. Wind keeps passing in and out. If she has a full feed, some of it escapes through the opening. What can I do for her?"

[You do not mention what kind of an instrument you used to perform the operations, but from results, I presume it was a knife, and you made too large an opening. If the wound be not healed by the time you receive this, keep her on short allowance of sloppy diet. Do not allow her to fill the rumen for a week or ten days. If this should not effect a cure, the wounds in both skin and stomach will have to be opened or enlarged, the edges scarified and then stitched. The wound in stomach must be stitched with carbolized cat gut. It requires an expert to perform this operation. If the opening in the skin be closed and that in the stomach not,

the gas and food will escape from the rumen and, not being able to escape further, will lodge between the walls of the stomach and the abdominal walls and create inflammation. I trust a cure will result without an operation. J. H. REED.]

Miscellaneous.

TWINE IN SILAGE.

A. McG., Peel Co., Ont.:—"When corn is cut and bound with a corn harvester, is it considered necessary or advisable to throw out the cords when cutting into the silo? Is there any danger of injury to stock if not kept out?"

[See letter concerning this point from Mr. Jos. Mountain in another column.—Ed.]

WANTS TO SEE HOARD'S STALLS.

R. A. PENHALE, Elgin Co., Ont.:—"Could you inform me where I can find a barn fitted up with the 'Hoard stall.' Would prefer to see one as near to St. Thomas as you may know of one. Kindly advise us by return mail and oblige."

[Readers who have stables fitted with Hoard's stalls will confer a favor on fellow-farmers by informing us of their post-office address, township and number of their lot.]

ADDRESS OF MANUFACTURING COMPANY WANTED.

J. H. C., Muskoka Dist.:—"I see a letter in the ADVOCATE from R. Watson, Middlesex Co. In his letter he says he uses a one-horse seeder, manufactured by the Mann Manufacturing Co. (no address). As I don't see their advertisement in the ADVOCATE, I should be glad if you would let me know where their place of business is."

[The Mann Manufacturing Co. have their place of business at Brockville, Ont.]

WHAT FLOOR FOR STABLE?

T. H. L., Lambton Co., Ont.:—"I am contemplating raising my barns and putting in floors. What would you advise me to use, stone, brick or cement? There is a large number in this section using cement, but hearing so many reports about its crumbling away in the course of fifteen or twenty years, I thought I would like a little information."

[It is impossible to state definitely how cement floors will turn out in fifteen or twenty years, as we have seen none of that age. One of our staff has had one in continuous use under cows for some nine years, and it appears as sound as ever. Our judgment is that cement floors, that are properly put down so as to be well hardened before frost comes, will increase in hardness as time goes on. We certainly know of no floor as good and durable. We would certainly prefer cement to stone or brick, unless an extra quality of smooth flagstones can be easily secured. What have our readers to say?]

MANURE CELLAR—CREAM SEPARATOR.

CLODHOPPER, Compton Co., Que.:—"1. What is your opinion of manure cellars underneath stables? 2. Can you recommend the American cream separator, or what kind would you prefer?"

[1. The manure cellar does not grow in favor with farmers, and we incline to the opinion that it never will. The favored method of handling manure is to haul it direct from the stable to the field and spread it as soon as made. Where this is not practicable, a shed that will protect the manure from rain will answer as a storage for a short time. Manure kept in bulk for any considerable time loses value by decomposition, whether in cellar, shed, or in an open pile. From a sanitary point of view, the manure cellar appears to us decidedly objectionable.

2. The American cream separator is a very satisfactory machine, ranking with the best made, such as the Alpha de Laval, Alexandra, Melotte, National, etc.]

CEMENT CISTERN AND WALLS.

F. Bros., Simcoe Co., Ont.:—"Would you inform us, through your journal, whether you think a cistern built of Queenston or Portland cement over ground would be a success, or whether it would be liable to freeze in winter? Give dimensions you would recommend it to be built, as to length, height, breadth, etc.; also whether you consider cement would make as durable and cheap a wall for stable as stone, when you have lots of stone on farm?"

[We incline to the opinion that a cement cistern built above ground would not be very satisfactory. Without a frostproof jacket of some sort, the water would freeze in very frosty weather. A few months ago we visited a barn that had a large cement water tank, that was well made of Portland cement, and the water oozed through the sides at several points; not enough, however, to cause a serious waste of water, but quite enough to make the surroundings of the tank disagreeably wet. The dimensions of a cistern would depend upon the area of roof to catch the rain, and the quantity of the water required. Generally speaking, a cement wall is more satisfactory than a wall of stone masonry. It can be built by ordinary labor. It is much drier in cold weather, and therefore keeps the stables more comfortable and healthful. A well-built stone wall is not to be despised, however, and when it can be built cheaply and well, it should give good satisfaction. We would favor the cement wall. Either the Queenston or Thorold cement firms will quote prices of walls on application.]

BLUESTONING SEED WHEAT FOR SMUT. READER:—Kindly tell us, in the FARMER'S ADVOCATE, how to treat ten bushels of seed wheat with bluestone solution in order to prevent smut in the crop of next year?

[One pound of bluestone is sufficient for eight or nine bushels of wheat. Dissolve the bluestone in hot water and add water until the bulk reaches about nine gallons. The solution should be sprinkled or sprayed onto the wheat by one person while a second person is shovelling it over. Pains should be taken to moisten the entire bulk of the wheat. It should then be spread out and turned a few times till dry before sowing.]

SOWING ALFALFA AND ORCHARD GRASS IN AUTUMN.

F. E., Grey Co., Ont.:—"Would it be profitable to sow orchard grass and alfalfa clover mixed in the fall, say September, for hay or pasture for the following summer? Would it grow in the fall sufficient to stand the winter; if so, what would be the best method of sowing it, and what proportions of seed per acre for a good pasture?"

"I have sowed it in the spring with good results, and consider it an excellent mixture for pasture for young stock in a dry season, so long as it is not let grow too high so as to head out and get dry."

[We believe good results follow sowing alfalfa in August in a moist season, provided the soil is clean, in a good state of cultivation and adapted to alfalfa growing. Probably it would answer well to sow it early in September, but we cannot confidently recommend it, but would suggest that a small area be tested as a guide for the future. Orchard grass will do well sown in either spring or fall under such circumstances as would prove favorable to timothy seeding. Fifteen pounds of alfalfa and ten pounds of orchard grass should prove a good seeding.]

BREEDING TERMS—HORSE BREEDING QUESTIONS.

SUBSCRIBER, Grey Co.:—"Will you please answer through your paper the following questions:

"1. What is a Shire horse, bred from—that is, what is he crossed from?"

"2. Are there any Thoroughbred Clydesdale horses?"

"3. Explain as thoroughly as you can the three terms, Thoroughbred, Pure-bred, and Standard-bred."

"4. I have a two-year-old mare; she is very pretty, and shows the stamp of a Coach; she is sired by a common working horse; the dam is the stamp of the Clyde, but is sired by a Roadster or Coach horse on a Clyde mare. Would it be safe to breed my mare to a French or German Coach horse, or would she breed back; or, again, what class of horses should I breed her to for the best results?"

"5. What would be the results of breeding a Hackney mare to a large Clear Grit horse?"

"6. Do you prefer breeding pacing stock onto trotting stock, and what kind of a horse do you suppose should such breeding produce?"

"7. Will I have good stock by breeding half Thoroughbred stock to German Coach or Hamiltonian trotting stock?"

"1. The Shire horse is not a composite breed, but is descended from the Old English war-horse, which was known by the latter name two thousand years ago."

"2. We presume 'pure-bred' Clydesdales is meant. Yes; all Clydesdales whose pedigrees are eligible for registration in recognized Clydesdale stud books are pure-bred, according to the popular usage of the term."

"3. The term 'Thoroughbred' applies only to the running horse, and should be used exclusively as a noun. The term 'Pure-bred' applies to animals so bred that they are eligible to registration under the standard of registration that has been fixed for the breed. 'Standard-bred' applies only to horses that can qualify under the rules of the American Trotting Register relating to breeding and performance."

"4. The produce of such a mare would be very uncertain. Since her breeding is so mixed, she would probably breed closely after the stallion used, if he be well bred and a prepotent sire. For a stallion to use, we would favor a compact, sound, active Clydesdale, as then one could scarcely fail to get a useful farm horse for general purpose."

"5. Generally speaking, the produce should be of useful road type with attractive style."

"6. Except for breeding race horses, we are not inclined to favor pacing blood, as a trotter is much more comfortable to ride behind than a horse that paces. The produce would probably resemble the parentage in appearance, and would be as likely to pace as trot in action."

"7. So much depends upon the individuality and breeding of individuals of the breeds mentioned, a definite answer cannot be given to this question. A proportion of Thoroughbred blood in a brood mare gives spirit and stamina, valuable in any horse, and should a good individual of either breed mentioned—that is, a prepotent sire—be bred to a good stallion of mare of such breeding, a stylish, useful offspring should result."

GRASS FOR SWAMP LAND LUMP ON COLT'S STIFFLE.

SUBSCRIBER, Grey Co., Ont.:—"Will you tell me what, in your opinion, is the best kind of grass or grasses to sow on swamp land for pasture?"

"I have a colt one year old which has a soft lump on stifle. Have noticed it for about one year. Can-

not notice it when he is walking, but can a little when trotting or running. Please state trouble and give remedy."

[For all varieties of soil, no mixture of grasses for pasture or meadow is complete without timothy, and where clover can have any chance of living some red and alsike should be sown. Meadow fescue also does well on wet soils, and we might well form a part of a mixture sown. We will add no others, but recommend for the swamp-land pasture eight pounds of timothy, six pounds of meadow fescue, three pounds of red clover and three of alsike seed per acre. Provision should be made to prevent water lodging on the surface, and if underdrains can be put in so much the better. The timothy and fescue may be sown in the autumn, and the clovers in spring before the last of the freezing weather. Better results will be obtained by sowing without a nurse crop, such as wheat, oats or barley."

"I have never known a soft lump to exist upon or near the stifle joint that is noticeable only when the animal is going fast. It is probable if you look and manipulate carefully you will be able to detect it while the colt is standing. From symptoms given, it is impossible to state exactly the condition existing, but I presume it is a soft fluctuating enlargement just below the stifle joint on the anterior aspect of the leg. If so, it is due to a condition of the joint in which the patella (stifle bone) slips partially out of place frequently, in well marked cases at every step. Yours is evidently not a very well marked case. Where this condition exists the articular cartilage becomes affected and a porcellaneous material becomes deposited immediately below the joint. This forms a fluctuatory tumor as described. In severe cases the action of the animal is materially interfered with; in mild cases it requires an expert to detect defective action. If treated early a cure can occasionally be effected, and in all cases the patient can be benefited, but when a case has been allowed to go on for a year (about the animal's age), as your case has, it is not probable treatment will be successful. The only treatment you can adopt with any reasonable prospect of benefit is to put the colt in the stable, keep as quiet as possible, and blister the parts repeatedly. Unless the animal's action is impaired, I would not advise you to interfere. The fact that a small lump can be noticed under certain conditions is not material unless there be defective action."

J. H. REED, V. S.]

Fairs of 1900.

CANADA.

Table listing fairs in Canada with dates and locations. Includes St. John's, N. B., Halifax, N. S., Ottawa, Brantford, Exeter, Whitby, Stratroy, Perth, Lanark, Goderich, Walkerton, Berlin, Listowel, Peterborough, Guelph, Aylmer, Ont., Collingwood, Prescott, Newmarket, Atwood, Orillia, Napanee, Charlottetown, P. E. I., Almonte, Teeswater, Cayuga, Glencoe, St. Marys, Forest, Metcalfe, Mitchell, Pictou, Warton, Kamloops, B. C., Woodstock, Paris, Renfrew, Wingham, Springfield, Ont., Bolton, Albion, Coburg, New Westminster, B. C., Brampton, Carp, Cookstown, Galt, Stratford, St. Marys, Markham, Alliston, Beaufort, Warkworth, Chatham, Rockton, Stayner, Fergus, Sutton, Caledonia, Highgate, Kansas City, Owen Sound, Simcoe, Norfolk, Woodbridge, Bradford, Provincial Winter Fair, Guelph.

Elgin Co., Ont.

Regarding the season's crop in Elgin Co., Ont., hay has been rather light; wheat is yielding well in most instances; oats an abundant crop; peas, not many sown; corn, although badly damaged by grub, has recovered and is up to the average. There is an abundance of fall pasture. Cattle will go into winter quarters in fine form. Stock is high, and farmers have no reason to complain.

J. H. CHALK.

MARKETS.

Chatty Stock Letter from Chicago.

FROM OUR OWN CORRESPONDENT.

Following table shows current and comparative live stock prices:

Table showing live stock prices for Beef cattle, Hogs, Sheep, and Pigs. Columns include prices for 1899, 1900, and 1901. Items include 1500 lbs. up, 1350 to 1500 lbs., 1200 to 1350 lbs., 1050 to 1200 lbs., 900 to 1050 lbs., Fed Westerns, Scullers, Mixed, Heavy, Light, Pigs, Sheep, Natives, Western, Native lambs, and Western lambs.

A. G. Leonard, W. E. Skinner, and Mortimer Levering, of the International Live Stock Exposition, to be held in Chicago, December 1st to 8th, were very much delighted with their experiences at the great Toronto show.

Prices of fat cattle are not as high as a year ago at this time, but they are high enough to be quite satisfactory to farmers and feeders, who did not pay very extravagant prices for the young cattle.

Reports indicate an over-abundance of ordinary fat cattle to be ready for the market during the next three months.

Cattle are being marketed very liberally, and while the demand is strong, it looks as if there would be no famine for awhile. Last week's receipts of cattle were the largest of the year, being nearly 15,000 larger than the corresponding week last year. This far this year receipts foot up 1,821,000 head, including 134,200 straight Texans and 70,000 grass Westerns. The grand total, compared with a year ago, increased 124,000, and compared with two years ago increased 63,700. Receipts of Texas thus far this year increased 16,100, compared with a year ago, and 47,800, compared with two years ago. Westerns increased 28,200, compared with a year ago, and 3,300, compared with two years ago. Other cattle, which includes a liberal proportion of corn-fed Texas and Westerns from Illinois, Iowa, Missouri, Kansas and Nebraska, increased 80,000, compared with a year ago, and 10,600, compared with two years ago. Of the 59,500 received last week, 4,000 were straight Texas and 14,200 grass Westerns.

The hog market is in very satisfactory condition to owners, and prospects are for higher prices.

Ohio men who tried sheep feeding last winter were so well pleased with results that the number of buyers from that State have already increased many fold this season. For that matter, the demand is much increased from all quarters, and it is believed by some that if all the sheep coming to market were feeders they could be sold quickly at current prices. The two encouraging factors are the abundance of grain and the good price of wool.

The supply of marketable sheep in the western range country is excessively large.

Toronto Markets.

Trading at the Western Cattle Market has been very moderate, the export trade dull, but butchers' cattle are still in good demand. On reports from Buffalo, the stocker trade is weaker. As anticipated in my last report, hogs declined 25c. per cwt., with a further reduction in sight to \$3.35 per cwt. The quality of cattle, both export and butchers', only medium.

Export Cattle.—Offerings not large; sales were difficult to make. Some few loads were picked up to fill space contracted for early in the season. Choice loads of export cattle sold at \$4.85 to \$5.10 per cwt.

Butchers' Cattle.—Very few picked cattle were on sale. Choice loads fetched \$4.35 to \$4.65 per cwt. Good butchers' cattle sold at \$4.25 to \$4.37 per cwt.

Bulls.—Heavy export bulls sold at \$4.12 per cwt.; a few choice fetched \$4.25 per cwt. Light export bulls sold badly, at \$3.12c. to \$3.25 per cwt.; this class not wanted.

Feeders.—Choice feeders, weighing from 1,000 to 1,150 lbs. each, wanted, and are worth from \$3.80 to \$4.25 per cwt. Mr. D. Smith, of Meaford, Ont., bought 40 feeders at an average of \$4 per cwt.

Stockers.—Yearling steers, 500 to 600 lbs. average, sold at \$2.25 to \$3 per cwt.; heifers, black and white, sold at \$2 to \$2.25 per cwt.

Sheep.—Deliveries very good; price well kept, at former quotations. To-day prices were a little easier, at \$3.75 to \$3.90 for ewes and \$3 for bucks.

Lambs.—Demand good for choice spring lambs, at from \$2.75 to \$3.75 per head. Export lambs for Buffalo market declined 1c. per lb.

Calfes.—Good veal calves in demand; only a poor lot offered, at from \$3 to \$8 per head. For choice calves, \$10 per head is offered.

Hogs.—Two more loads of stubble hogs, and quite a few of poor quality, arrived. Price for select singlers, 160 lbs. to 200 lbs., unfed or watered, sold at \$6. Mr. James Gordon sold one load of hogs at \$8 per cwt. Thick fat and light hogs are quoted at \$5.25 per cwt. Inculler car lots sold at \$5.80 per cwt. The Wm. Davies Co. again protest at the poor quality of hogs offered, either undersized, below 160 lbs., or oversized, rough hogs of poor quality. They advise drovers to leave this class of hogs in the farmers' hands, as they will be rigidly culled in future from this date.

Milk Cows.—Strong demand for milk cows; very few on offer. Average price from \$30 to \$45 per head, only medium quality.

Table comparing prices to-day, 2 weeks ago, and same date last year for Export cattle, Butchers' cattle, Bulls, Stockers, Feeders, Sheep, Hogs, and Milk cows.

GRAIN MARKET.

Wheat. Five hundred bushels of wheat sold at 68c. per bushel. Three hundred bushels of red wheat sold at 68c. per bushel.

Barley. One hundred and fifty bushels of barley sold at 46c. per bushel.

Oats. Eight to ten loads each market day, at from \$11 to \$13 per ton.

Straw.—Two loads sold at \$11 per ton. There is always a good and constant demand for sheaf straw.

Outs.—Five hundred bushels of outs sold at 31c. per bushel for new, and 31c. per bushel for old.

Rye.—One load of rye sold at 53c. per bushel.

Seeds.—Alsike clover seed No. 1 is quoted at \$7.25 per bushel. Alsike clover seed No. 2 is quoted at \$6.75 per bushel.

P.S.—Reports from Toronto market, Sept. 14th, indicate a rise for pigs of 25 cents per cwt. next week. Best singlers, scaling 160 to 180 pounds, \$6.25; thick fat and light, \$5.75; and coarse stubble hogs, \$5.10 per cwt. The demand for cattle, 1,100 to 1,200 pounds, is strengthening.



Travelling Notes.

AT HOME AGAIN.

"What most impressed you in all your trip of twenty-four thousand miles?" asked a friend, upon my return home. I replied: The sea, the mountains, and the prairies: The sea in its immensity, its great depths and its wonders; the mountains, with their magnificence; the prairie in its vastness—each with its individual beauty, each with its heaven-born secret, and each with its lesson for us. Passing the three in mental review and considering them as lessons for earth's scholars to learn, I should class the broad, unbroken prairie as the easiest of the three. The veriest tyro in farming could hardly fail to make a living there if, of honest purpose, he set his mind so to do. "Tickle the earth with the hoe" and its response must soon be a golden harvest from the seed sown in the furrows.

Of course, I noted the absence of trees. We who live in the east miss the beautiful trees when we go out to the great Northwest of Canada. Much of the ground is under cultivation, and beautiful it is to see the immense waving fields of grain. At my last stopping place, a few miles from Brandon, my friend's garden consisted of ninety acres of wheat, which we looked upon from the front door, and this is but a small patch in comparison to some of the large wheat fields in Manitoba, where in some places you can see from five hundred to one thousand acres in one continuous stretch.

There is a charm in this kind of farming. The ground is not divided into small fields, consequently there are not nearly so many fences to keep in order, but I am a woman, and am not supposed to understand the art of farming; however, I think if I were a young man I would take Horace Greeley's advice and go west. The life out there has many fascinations for those who take up ranching or farming in earnest. With good management they must succeed; neither do they have to work so hard as our Ontario farmers, nor is the climate so trying. In the winter the air is always clear and dry, and remains cold, not as it is very often with us, freezing cold one day and mild with rain the next. The summers are delightful, the evenings always cool. I left the Northwest with much reluctance. After a day or two's stay in Port Arthur and Fort William, I sailed on the C. P. R. steamer, Athabasca, for Owen Sound. Lake Superior, fortunately for me, behaved itself, and I thoroughly enjoyed the two days' sail on our grand lakes. The passengers, of whom there were several hundred, took great interest in my Australian birds, and the cockatoo and magpie danced, talked and screeched, for no earthly reason except for fun, until I threatened to wring their necks, even though so near home, and after bringing them nearly 11,000 miles. Needless to say, I did not carry out my threat. I have them now in our own garden, at liberty, happy as the day is long, and delighting everybody with their cunning ways, whilst I am by them reminded of my delightful visit to Australia, and the dear relations with whom I had such happy times. My friend, after patiently listening to my rhapsodies, said quietly and somewhat quizzically, "But surely you are glad to be at home again?" "Yea, verily," I replied. "Very, very glad, and perhaps doubly appreciative of the many good things not

only Ontario in general, but our own Forest City, holds for me." After all I have seen and the many places I have visited, nowhere do the trees, the lawns, the fields, orchards and the homes look so pretty as in our own dear Ontario; but we must not become conceited and self-satisfied. We have still many imperfections remaining. For the credit of our country and city let us continue to beautify our places, to plant trees, vines and shrubs, to clear out the stumps, to make good roads outside, and to pick up the scraps of paper and everything which looks untidy upon our thoroughfares within the city limits. When travelling with people going round the world, who compare one place with another, with what jealousy did I try to protect our own dear Canada from sarcasm and criticism, although in many cases I had to own that it was not wholly undeserved. Critics, whether they mean to be so or not, are often our truest friends, and we may profit by their animadversions, even though our self-complacency feels the smart. Where would progress be anywhere if no one recognized room for improvement?

I need not say I got a warm reception upon my return home, after being away for over a year, for it was 96 in the shade. Oh, how hot it was!—in Toronto, in the train, at London—worse, I believe, than was 112 in South Australia. But home is always home, as these following verses tell us, that I read recently in a Scottish paper:

HAME'S AYE HAME.

There's skies that are a better blue, and fields a better green; There's flowers that are a better hue than ever I have seen;

the cost, but common sense and ordinary intelligence as well. As to details: To take a trip similar to the one I have just taken, it is necessary to have both warm and cool clothing, for on the Pacific for two or three weeks nothing looks prettier, or feels as comfortable as white. Cool winds come up suddenly almost in every country, so one must also have warm clothing in readiness. Take but little luggage, for the more boxes the more expense and discomfort. Above all, be courteous, for we get what we give. If we ask for directions in a kindly manner, nearly every one seems interested in our inquiries and is only too glad to assist. Action and reaction are equal. The world is a whispering gallery, and will return a harsh or a pleasant tone according to that which we give out. The world is a mirror, and will reflect the facts we present to it. If we smile to it, it will smile back at us; if we look at it with a contemptuous expression, we shall get a reflection in kind. But who needs to travel 24,000 miles to learn so simple a lesson—the "Do unto others as ye would they should do unto you," not only of Holy Writ, but of that everyday moral code which, consciously or unconsciously, affects the lives of every son and daughter of Adam the wide world over.

"How Have the Mighty Fallen."

Our picture, a snap-shot, brought back by "Our Traveller," represents three forlorn relics of an almost extinct race which in countless herds once roamed in fetterless freedom over the vast prairies of the big Northwest.

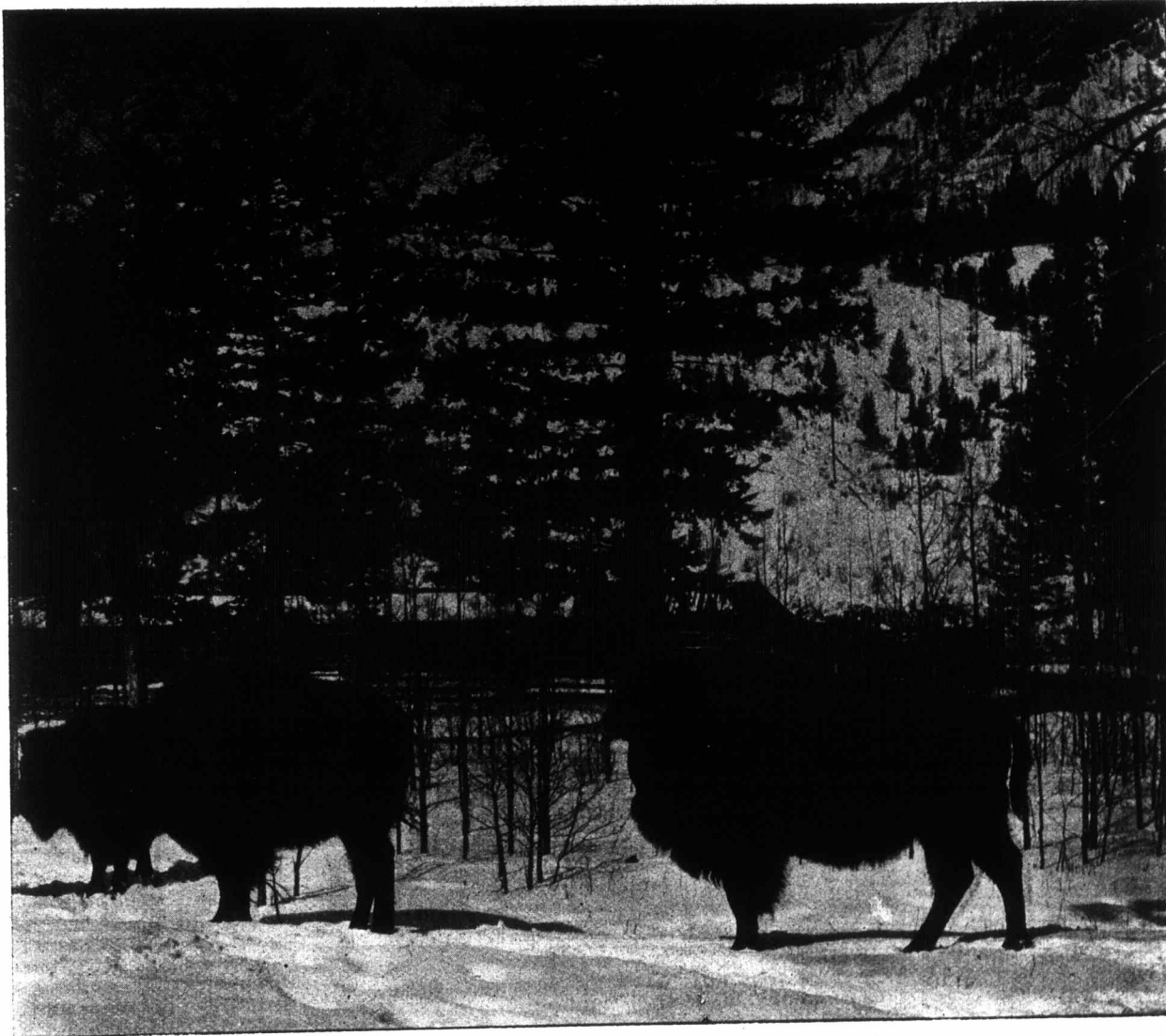
All the buffalo knew of man was the occasional raid of the wild red Indian tribes, who with an unerring aim, powerful arm, and a knowledge of anatomy, learnt by years of practice, could let fly their arrows with such prompt and telling effect, that whilst the startled herd was wondering what new kind of beast was amongst them, one of its members for every arrow cast was speedily biting the dust in its death throes.

And not the Indian hunters only, but the big bands of half-breeds who yearly started from the Red River settlement, which was the nucleus of the Winnipeg of to-day, could each man count his monster victims by the score, without any perceptible diminishing of the mighty herd, which would gallop back to the free ownership of its prairie world, unconscious of its loss. The old settlers, who now, alas! like their victims, are fast becoming an extinct race, could tell many an interesting and exciting tale of the organized annual buffalo hunts

of that long ago. Let us hope that someone may hear them from their lips before their memory is lost to the young of this generation. Whilst we congratulate the ADVOCATE on securing its own picture of three of the twenty-five poor captives amongst the everlasting hills of Banff, the grand and beautiful, we like to think that they, not being human, and consequently unendowed with powers of mind or memory, "the forlorn trio" are fairly resigned to the daily conditions of their abnormal existence, and do not fret because they are denied the unattainable. H. A. B.

One day an Irishman went to look for a job, and got one. Instead of starting work, he stood asking a lot of questions of one of the workmen, when the master came along and asked Pat if he was going to work any at all. Pat turned round and asked him if he had nothing else to do but to watch him. "No," was the reply. "Well," said Pat, "you'll be idle to-morrow, for I'm not coming back."

Pat went to buy a pennyworth of candles, and on receiving two, remarked: "How's this? Only two? I got three last waake." Grocer: "Yes, but you see through the war things are risen. They will be dearer when the Russians and Turks go to war." Pat: "But surely you don't mane to tell me they are going to fight in candle light."



"HOW HAVE THE MIGHTY FALLEN."

While others speak and say they're braw, I wish to see the same, But only they are far awa'—an' hame's aye hame.

Sometimes within my heart I think to go across the sea, 'Tis only when the golden clink is glinting in my e'e; Yet, though I'm scant of guineas braw, I will not fortune blame, 'Cause I've no heart to gang awa'—for hame's aye hame.

Long since when I was but a lad going toddling to the school, No poverty wad made me sad, nor sorrow make me dule, Ambition in my childish play to grow and seek for fame, Till something in my ear would say—your hame's aye hame.

There's some that have a roving heart, and leave their native glen To wander in some foreign part and ne'er come back again; With hardened looks on every face they'll never a longing name, Yet secret love a certain place—where hame's aye hame.

The waters may have music there, the flowerets may have smell, The birdies may be singing rare, enchanting every dell, But nothing of it can have the skill to cheer him near the same, So let you wander where you will—your hame's aye hame.

While balmy winds blow o'er the lea the sun is shining on, There's nothing fairer then to me that I can think upon, So I will love my country dear without the least of shame; I'll struggle for a living here—and no leave hame.

Before closing my travelling notes for the present, I want to give my readers (if I have any left) a few hints: By personal experience I have learnt that it is quite possible now for a lady to travel unaccompanied to almost any part of the world, provided she has not only the money to pay

THE QUIET HOUR.

Before It Is Too Late.

If you've a gray-haired mother
In the old home far away,
Sit down and write the letter
You put off day by day.
Don't wait until her tired steps
Reach heaven's pearly gate,
But show her that you think of her
Before it is too late.

If you've a tender message
Or a loving word to say,
Don't wait till you forget it,
But whisper it to-day.
Who knows what bitter memories
May haunt you if you wait?
So make your loved one happy
Before it is too late.

We live but in the present.
The future is unknown;
To-morrow is a mystery,
To-day is all our own.
The chance that fortune leads to us
May vanish while we wait,
So spend your life's rich pleasure
Before it is too late.

The tender word unspoken,
The letters never sent,
The long-forgotten messages,
The wealth of love unspent,
For these some hearts are breaking,
For these some loved ones wait;
So show them that you care for them
Before it is too late.

Pass It On!

Did you ever consider that stagnation and death are very much the same thing? The law of life is that nothing belongs to one person alone—everything must be passed on. The seed passes on its life and energy to the plant. The plant, in its turn, passes on all its strength to new seeds. The water comes down to refresh the earth, and then rises again to continue this work. Men spend years in study, not that they may hoard up the learning they have gained, but in order to pass it on to others. To hoard up anything is to waste it. A miser who keeps all his gold shut up in a box, or a farmer who keeps all his grain shut up for years in his barn, is not saving it, but rather wasting it. He is losing all the good it might do, if put out to increase and multiply.

You have been taught to play or sing. Pass it on! Let other lives be brightened and helped by your accomplishments. You have an entertaining magazine lying on your bookshelf. Pass it on! Don't let it get stale before other people have a chance to enjoy it. You have flowers or fruit or vegetables in your garden, far more than you can use—pass them on to others who have but a scanty supply. You have clothes which your children have outgrown, hanging in your closets—pass them on, let nothing be wasted.

Emerson has said: "We cannot render benefits to those from whom we receive them, or only seldom. But the benefit we receive must be rendered again, line for line, deed for deed, to somebody. Beware of too much good staying in your hand!"

I was once wheeling with a friend along a country road, and we sat down under a tree to rest. A little girl was swinging in a garden near by, and when she saw how hot and tired we were, she ran into the house, returning presently with some delicious lemonade, which she offered to us. I never passed that way again, and it is very unlikely that I shall ever have the opportunity of making any return to that thoughtful little girl for her kindness. But I made up my mind then that it was an action that ought to be passed on. Will you help me to make the lesson that child taught very far-reaching and profitable? Perhaps she was consciously trying to win the words of commendation: "I was thirsty, and ye gave Me drink." I think God often makes such loving acts of service go farther and accomplish more effectual missionary work than many a sermon. Example is always better than precept, and each act of kindness may inspire many others. How little that child thought that her kindly consideration for a dusty stranger would be held up, years afterwards, as an example and an inspiration. We never know how far any word or act may reach, but acts are apt to have more power than words, unless the words describe acts. Is not that why the Bible is so full of living examples? Tell a man to be generous to one who has injured him, and your words will probably have very little effect. But describe David's generous treatment of Saul, or Joseph's generosity towards his brothers; and, if he has a spark of generosity in him, he will be anxious to copy such noble examples.

One thing in particular we are bound to pass on, that is forgiveness. We are told to forgive one another "even as Christ forgave us." The necessity of passing on this free forgiveness is illustrated in the parable of the unmerciful servant. He was forgiven an enormous debt, and then went out and cast a fellow-servant into prison because he could not pay a very small sum. As he did not pass on his master's generous forgiveness, it was revoked, and he was "delivered to the tormentors, till he should pay all that was due unto him."

If forgiveness is taken back when we refuse to pass it on, may it not be so with other gifts of God? If we persist in hoarding up our treasures where moth and rust doth corrupt and thieves break through and steal, we may expect to lose them.

There is one way in which we may pass on blessings, a way open to rich and poor, to those who are strong and active, and those who are confined to beds of sickness. We can all pray for friends and for enemies, and in this way help them more than we shall ever know in this world.

"Say not, all useful work thou art denied.
Behold! Christ's censer waiteth at thy side.
He in compassion lets it down to thee.
Heap on thine incense! heap it full and free!
Pray for thy friends! that every deed of love
May be received and registered above.
Pray for the sick who suffer in all lands!
God's prisoners, laid in bonds by His own hands.
Pray for crowned heads, with all their weight of care.
For broken hearts, and all the sorrows there;
For the whole race which He has made His own,
For which He intercedes before the Throne."

HOPE.



"After Many Days."

It is a long time since we had a picture of our very own, and I am sure you will like this one. Did you ever fish patiently for "many days" without any success, and then catch a fine lively fellow? If



"AFTER MANY DAYS."

so, you can sympathize with the happy little chap on the rocks, who is holding on to his treasure with a determination not to let it slip. He looks cool and contented, with his bare arms and legs, doesn't he? How would you like to join him on his elevated perch?

Probably you have been fishing pretty often during the summer holidays, and have caught many a fine trout or bass. Well, it is healthy sport, and sometimes very exciting too. I don't wonder you children enjoy it.

Look Out for Heroes.

I shall not be able to announce the names of prizewinners until next issue, as time must be given for letters from a distance to come in, but, in the meantime, you can begin another contest. I offer three prizes for the best descriptions of child heroes. The children may be living now, or they may have lived many hundreds of years ago; but you must describe their heroism in your own words. Any member of the Lookout Regiment who is under sixteen may compete. The competition closes on the 1st of November.

If you have not already enlisted, and wish to do so, send me your name and address, with a promise to try and keep the two rules of the Regiment. These rules are: 1. To be on the lookout for a chance of doing a kindness. 2. To be on the lookout for good qualities in other people.

If you want a ribbon badge to remind you of these promises, send two one-cent stamps for it. I am sorry to hear from Jemie Matchet that his badge went astray. I am sending you another

badge, Jemie, and also returning the second lot of stamps you sent. It certainly would not be fair to make you pay twice over. If this badge goes astray too, let me know, and I will try again. Letters often go astray in the N.-W. T. Now I am going to give you an example of a child hero who lives in Ontario:

A few weeks ago a boy, thirteen years of age, got the fingers of his right hand broken and torn in a binder. He did not take chloroform, and yet he never whimpered while the doctor amputated one finger and dressed and sewed up the rest. The operation lasted nearly an hour. Don't you think that little lad deserves the name of hero?

If you have not yet enlisted in the Lookout Regiment, you had better hurry up and join, for we are going to have plenty more prize competitions.

Address your letters to Cousin Dorothy, Box 92, Newcastle, Ont.

The Boy's Dream.

Once a sweet boy sat and swung on a limb;
On the ground stood a sparrow-bird looking at him.
Now the boy he was good, but the sparrow was bad,
So he shied a big stone at the head of the lad,
And it killed the poor boy, and the sparrow was glad.

Then the little boy's mother flew over the trees—
"Tell me, where is my little boy, sparrow-bird, please?"
"He is safe in my pocket," the sparrow-bird said,
And another stone shied at the fond mother's head,
And she fell at the feet of the wicked bird, dead.

You imagine, no doubt, that the tale I have mixed,
But it wasn't by me that the story was fixed;
'Twas a dream a boy had after killing a bird,
And he dreamed it so loud that I heard every word,
And I jotted it down as it really occurred.

Saved By a Poodle.

Of all dogs, thoroughbred or mongrel, a shaggy poodle would seem to be about the poorest kind of dog for defence. Yet a missionary, whose experience has been among the savages and cannibals of Africa, says that his little poodle, Sally, was one of his best protectors.

One of her exploits consisted in putting to flight a band of hostile natives. The missionary was travelling some distance in advance of his caravan, accompanied only by his boy-servant and Sally. When he came to the top of a hill, a large body of Burungi warriors in full war-paint were suddenly seen racing toward them.

Calling Sally to him, the missionary whispered in her ear something about "going for them." Then was witnessed the scene of a small, shaggy dog with a very big bark, tail in the air, charging at a company of armed men.

"It was a great sight," says the traveller, "worth going to Africa for, to see those warlike men running for their lives, with little Sally at their heels, barking as if she knew, brave little dog, that she was making a big bluff, and it all depended on the noise she could make."

Recipes.

HOW TO BLANCH ALMONDS.

Shell the nuts and pour boiling water upon them. Let them stand in the water until the skin may be removed, then throw them into cold water, rub off the skins between the hands and dry the kernels between towels.

FRENCH TOMATO PICKLE.

One peck of green tomatoes, six onions, sliced. Sprinkle with a teacup of salt; let stand all night, then drain well and scald in weak vinegar for twenty minutes; drain again and scald with two quarts good vinegar; one pound of brown sugar, two tablespoons each of curry and turmeric, two teaspoons each of cinnamon, cloves, allspice, and mustard. Let all simmer slowly half an hour, and seal.

LEMON CHEESE-CAKES (THAT WILL KEEP FOR SEVERAL WEEKS).

To a quarter of a pound of butter put a pound of white sugar, 6 eggs (leaving out 2 whites), the rinds of 3 lemons grated and the juice of 3. Put them all into a granite pan and let them simmer over the fire until the sugar is dissolved and it begins to thicken like honey. When cold put it into sweetmeat pots for use. To make into cheese-cakes, line your patty-pans with good pastry and fill with the mixture.

BAKED CHICKEN PUDDING.

Cut up a pair of young chickens, and season them with pepper and salt and a little mace and nutmeg. Put them into a pot with two large spoonfuls of butter and water enough to cover them. Stew them gently, and when about half-cooked take them out and set them away to cool. Pour off the gravy, and reserve it to be served up separately. In the meantime make a batter, as if for a pudding, of a pound of sifted flour stirred gradually into a quart of milk, six eggs well beaten and added by degrees to the mixture, and a very little salt. Put a layer of chicken in the bottom of a deep dish, and pour over it some of the batter, then another layer of chicken, then some more batter, and so on until the dish is full, having a covering of batter at the top. Bake it till it is brown; then break an egg into the gravy which you have set away. Give it a boil, and send it to table in a sauce-boat, to eat with the pudding.

The Value of Borax.

Borax is an excellent washing powder. The women of Belgium and Holland are noted for their snowy linen, and they ascribe this desired result to the use of borax—a handful to ten gallons of water.

The Return of the Troops.

BY MORGAN HAWKES, SOUTH AUSTRALIA.

And will the war be over before the wattle blooms, And the bush is all agleam with shimmering gold?

Oh, will they soon come home again And will they soon be back In Australia, loved Australia.

And will the war be over before the dusky Sounds Wake up to greet the springtime with the sunlight on the snow?

Oh, will they soon come home again, And will they soon return To Maoriland, lone Maoriland.

And will the war be over before the waratah Flames out in crimson splendor far above the Huon wide?

Oh, will they soon come home again— Or must we wait awhile— To Tasmania, proud Tasmania.

And will the war be over before the prairies wave With summer flowers and grasses and rustling golden grain?

Oh, will they soon come home again, And will they soon be due In Canada, laughing Canada.

And will the war be over before the harvest sheaves Tower high a topping load above the broad and heavy tires?

Oh, will they soon come home again, And will they soon step down In England, mother England.

And will the war be over before the harvest sheaves Tower high a topping load above the broad and heavy tires?

Oh, will they soon come home again, And will they soon be due In England, mother England.

And will the war be over before the harvest sheaves Tower high a topping load above the broad and heavy tires?

Oh, will they soon come home again, And will they soon be due In England, mother England.

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well-being. Parents cannot be too vigilant in preventing their sons from using tobacco in any form, and particularly in that of the cigarette.

Puzzles.

1—METAGRAM.

(Change initials.)

With a love for the sea and a little spare one and a little vacation in June, Why, how could they be spent with more pleasure, I thought,

Now the world may rush on as it will, I exclaimed: "I'll not THREE me, but sleep all the sounder."

Well, Jack was not so skilful a cook, but his fare was a change from my boarding-house RIVE, And if appetite needed a SIX, why, variety was not so hard to contrive.

With a dollar or two to invest, Jack would visit the small farms nearby on a raid For potatoes or pumpkins or peaches, perhaps, or a basket of eggs newly laid.

Well, the swift march of time brings, the end of our ONE and the end of the sunniest Junes. I am back in the old town again hard at work; but the spell of those golden sand dunes

2—RIDDLE.

He took his spelling-book in hand, But not to learn his lesson; "This word," he said, "was surely planned For puzzle folk to guess on;

Now fix the fragments in their place With bonds too strong to sever; All thought of union or embrace Is farther off than ever.

3—SQUARE.

(1) Kingly, (2) a banished person, (3) bestowed, (4) quick, (5) pertaining to a season of fast.

4—BEHEADING.

My whole is a thing With a terrible sting; But cut off my head, and still more you'll me dread.

5—BEHEADMENTS.

My whole is a fruit; behead me, and I am a vegetable behead me again, and I am an animal.

Answers to Aug. 15th Puzzles.

1—Splashes, plashes, lashes, ashes, she's he's, e's. 2—Colonel Baden-Powell.

3— s t a m p h e r o n t i r e e v e r a r t r e d m e o r p n

4—Ring-grin.

5— m f i n f i n i s m i n u t e s 6—Robin. n i t r e s e e s

SOLVERS TO AUG. 15TH PUZZLES.

"Diana," "Sartor," Mrs. Annie Rodd, "Grace," Sila Jackson, "Ike Icicle," "Essex," Lizzie Conner, "Eneri," and J. S. McLean.

ADDITIONAL SOLVERS TO AUG. 1ST PUZZLES.

"Sartor," Lizzie Conner, Sila Jackson, "Essex," and "Eneri."

COUSINLY CHAT.

"Edith" and other Hayfield cousins.—Your puzzles are not original, consequently I could not use them. Try the contest mentioned in Sept. 1st ADVOCATE; there's a chance for little folks as well as for older ones.

Maud K.—You are very welcome, and I hope you will join the composition contest.

"Essex"—Glad to hear from you. That particular sentence was quite correct.

"Sartor."—The prize may not be "poems"; that was a mistake of mine. The results for this quarter will soon appear, if all the contributors get their work in early. Are you not going to try the new contest too? The more the merrier, you know.

Cousins all.—I am sending very few puzzles this time, and I wish to have all the answers in strictly on time. Those not in by Oct. 5th will be too late this time.

The Cure of Consumption.

LECTURE BY A DUNDEE DOCTOR.

Dr. Beattie Bain delivered a lecture in Dundee recently, on "Consumption: Its Nature, Prevention, and Cure; with Special Reference to Home Management." The Doctor began by saying that consumption was in the air at present.

The Health of School Children.

The health of school children is paramount to every other consideration. When children, particularly girls, between the ages of ten and seventeen, exhibit evidences of nervous disorder, such as twitching of the face and hands or extreme irritability, it is a sure sign either that the school work is too severe or that they are not living under proper hygienic conditions, or both.

In the majority of cases, to conquer the difficulties of arithmetic or grammar or the intricacies of a new language is harder work for the child than are for the business or professional man his everyday vocations. Hence children need constant care, sympathy and encouragement.

Children should spend not less than two hours a day in the open air, and, if possible, should engage in games requiring both skill and activity. They should spend in sleep not less than nine, and, if possible, ten hours out of every twenty-four.

The following practices should be prohibited, as injurious to health: Study before partaking of food in the morning; study immediately after the close of school, before the mind and body have been rested by play or other suitable change of occupation; study immediately after eating a hearty meal.

The children should have fixed hours for study. When parents find that their children, after conscientious effort, cannot accomplish the work assigned by the teacher in the time specified in the rule, they should at once communicate the fact to the principal of the school and ask diminution of the tasks assigned.

Parents should never urge children to make extra efforts to obtain promotion, nor show annoyance if they fail to obtain promotion. What children need for intellectual and moral progress is systematic work. If for any good reason the child is not promoted or graduated at the end of the term, he should not be reprimanded, but encouraged to try again. Nor should parents by finding fault with the teacher weaken her influence for good.

Cigarette-smoking by growing boys is dangerous alike to the physical, the intellectual, and the moral

the second lot did not be fair is badge goes will try again. T. Now I am child hero who

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Look out Regi- nitions, for we are rothy, Box 92,

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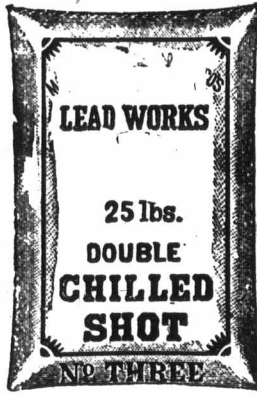
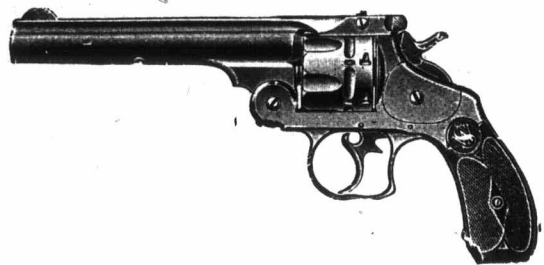
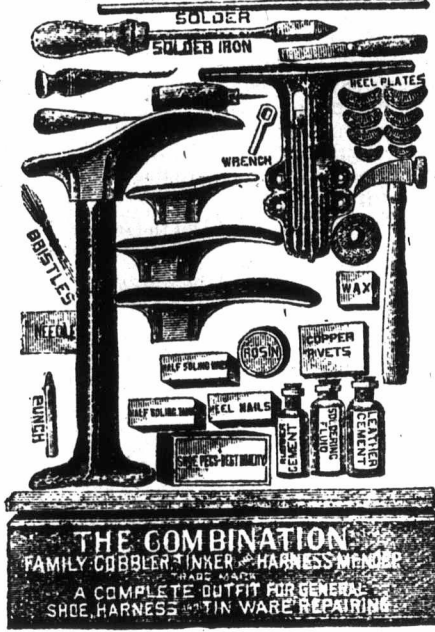
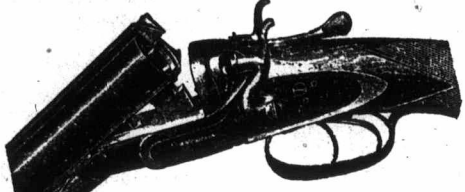
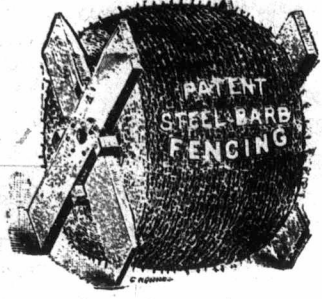
the traveller, those warlike little Sally at rave little dog, it all depended

ions, sliced. and all night, k vinegar for scald with two brown sugar, l tumeris, two s, allspice, and f an hour, and

L. KEEP FOR butter put a g out 2 whites), the juice of 3. let them sim- dissolved and hen cold put it ke into cheese- od pastry and

NG. ns, and season little mace and two large spoon- o cover them. ut half-cooked to cool. Pour served up sepa- tter, as if for a rred gradually ell beaten and ad a very little ottom of a deep e batter, then e more batter, ing a covering s brown; then a you have set table in a sauce-

SEND FOR ILLUSTRATED PRICE LIST.



WIRE AND CUT NAILS we are selling a long way below factory prices. When you want any, write us for prices. SHOT IN BAGS OF 25 LBS., only \$1.45 per bag, or 4 lbs. for 25c. GUNS—A splendid double-barrel breech-loading gun, only \$10 each. BARS AND PLAIN TWIST WIRE, only \$3 per 100 lbs. BLACK OILED AND ANNEALED WIRE NO. 12, only \$3.30 per 100 lbs. REVOLVERS—A first-class rubber-handle one, only \$2, post-paid. COBBLERS, TINKERS AND HARNES-MAKERS' COMBINATION OUTFIT, only \$2. No person ought to be without this useful set of tools. Will make its cost over and over again. Only \$2, the whole outfit.

WILKINS & CO., 166 AND 168 KING ST., EAST, TORONTO.

Toronto Industrial Prize List.

HORSES.

THOROUGHBREDS.—Stallion, four years old and upwards—1 and silver medal, 3 E Seagram, Waterloo [Connoisseur]; 2 Wm. Hendrie, Hamilton [Harvey]; 3 J E Seagram [Golden Badge]. Stallion, four years old and upwards, best calculated to produce hunters and saddle horses—1 S B Fuller, Woodstock [Wyndham]; 2 Quinn Bros., Brampton [Woodburn]; 3 Jos Mossop, Thornhill [Temple]. Stallion, three years old—2 R R Courtney, Toronto [Joshua]. Stallion, two years old—1 Wm Hendrie [Kendalwater]; 2 T Webster, Brampton [Court K]; 3 S Jewel, Mt Albert [Duke of C Berry]. Yearling colt, entire—1 Wm Hendrie [Dunrobin]. Filly, three years old—1 R Beith, Bowmanville [Haggis]; 2 E A Lloyd, Toronto [Nancy Bell]. Filly, two years old—1 J E Seagram [Sleepy Hollow]; 2 J E Seagram [Fly in Amber]; 3 Wm Hendrie [Pando]. Yearling filly or gelding—1 J E Seagram [Elcho]; 2 J E Seagram [Beautiful Dreamer]; 3 Wm Hendrie [Lyddite]. Brood mare, with foal by her side—1 R Davies, Toronto [Thistle]; 2 R Davies [Ettar]; 3 Wm Hendrie [Duplicate]. Foal of 1900—1 M Strong, Willowdale [John Festival]; 2 Wm Hendrie [The Baillie]; 3 R Davies.

ROADSTERS.—Stallion, four years old and upwards, not less than 15 hands—1 and silver medal, Graham Callcutt, Paxton, Port Perry [Renville Boy 2485]; 2 E M Crawford, Brampton [Goldwatch]; 3 J A Childs, Eglington [Haltoneer 29419]; 4 T Maddaford, Whitby [Stanton Wilkes 791]. Stallion, three years old—1 A McDougall, Milton [Star Wilkes]; 2 W Smith, Woodbridge [Billy Hill]; 3 T Welsh, Toronto [Golden Star]; 4 W J Shibley, Harrow-smith, Cookstown, Lord Roberts. Yearling colt, entire—1 T Maddaford [Stanton Boy]; 2 W G Ellis, Bedford Park [Laddie]; 3 W J McCool, Eglington; 4 W Doherty, Ellesmere [Sir Edward]. Gelding or filly, three years old—1 J A Ovens, Altona [Minnie May]; 2 I Natrass, Millbrook [Sweet Violet]; 3 T Scott, Pair matched horses, geldings or mares, in harness, 16 hands and under—1 P Miller, Teeterville; 2 W H Shaw, Toronto [Neil and Min]; 3 J A Fuller [Queen and Net]. Pair matched horses, geldings or mares, in harness, 15 hands and under—1 K L Wilks, Blair [Victor and Vicar]; 2 J W T Merry, Toronto [Daisy and Jessie]; 4 J H Wesley, Newmarket [Kate and Duplicate]. Single horse, gelding or mare, in harness, 16 hands and over—1 G Green, Stony Creek [Coursier]; 2 S McBride, Toronto [Billy]; 3 N McLean, Toronto [Max Stanton]; 4 T Cowan, Orontel [Sid Passmore].

STANDARD-BRED TROTTERS.—Stallion, four years old and upwards—1 and silver medal, E R Hogate, Woodstock [Pavonia 15034]; 2 Fisher & Rutton, Ringwood [Altoner 17493]; 3 Pierce & Bateman, Mt Brydges [Monbars 1885]. Stallion, three years old—1 B B McCartney, Thamesford [Brown Stout 2311]. Stallion, two years old—1 R Lennox, Toronto [Sir Alloncy]; 2 J D Dixie, Toronto [Belle of Chester]; 3 J D Dixie, Toronto [Belle of Chester]. Gelding or filly, two years old—1 J Childs, Eglington [Belle Bernitt]; 2 R Davies [General Bell]. Yearling gelding or filly—1 M Stong, Willowdale [Mimicadee]. Single horse, gelding or mare, in harness—1 Crow & Murray [Toronto Standard]; 2 J J Gallanough, Thornhill [Melba]; 3 J A Toveil, Guelph [Dora Wright].

CARRIAGE AND COACH.—Stallion, four years old and upwards, 16 hands and over—1 J

McCortney, Thamesford [Graf Bremer]; 2 C Head, Guelph [Tarrington Boy]; 3 W C Brown, Meadowdale [Prince George]; 4 M Boyd & Co., Bobcaygeon [The Falcon 1020]. Stallion, three years old—1 A Agar, Nashville [Lord Minto]; 2 J Brinkman, Kilsyth [Prince Imperial]. Stallion, two years old—1 and silver medal, J L Reid, Derry West [Lord Roberts]; 2 A Hewson, Grahamsville [Lord Roberts]; 3 Chambers, Kippure [Kiln-donkey]. Yearling colt, entire—1 J Oliver & Sons, Derry West [Prince Arthur Jr]. Stallion of any age—1 A Yeager, Simcoe; 2 A Little, Georgetown; 3 A Martin, Woodstock; 4 W Bernard, London. Pair matched horses, not less than 15 and under 16 hands—1 E B Clancy, Toronto; 2 A Little, Georgetown; 3 J Clancy, [General Hero]; 4 A Yeager. Gelding or filly, three years old—1 J Starkey, Arkell [Margaret]; 2 F Chisholm, Milton [Graceful]; 3 J W Bessey, Georgetown [Maud S]. Gelding or filly, two years old—1 J Lawson, Brampton [Gold Buckles]; 2 W H McDowell, Ashgrove [Gladys]; 3 H Zinn, Listowel [Roy Walker]. Yearling gelding or filly—1 A Hewson [Maud S]; 2 H Zinn [Jessie Wilkes]; 3 J Starkey [Queen Esther]. Brood mare, 16 hands and over, with foal of the same bred by her side—1 and silver medal, W C Brown [Princess Royal]; 2 J Tilt, Derry West [Belle]; 3 W N Scott, Milton [Maud]. Foal of 1900—1 W N Scott; 2 J Reid; 3 J Starkey [Queen Esther]. Single horse, gelding or mare, in harness, not less than 16 hands—1 A Yeager; 2 G H Gooderham, Toronto [Sampson]; 3 W C Brown [John D]; 4 Lowes Bros, Toronto. Single horse, gelding or mare, in harness, 15 and under 16 hands—1 E B Clancy, Toronto [Sirocco]; 2 Crow & Murray; 3 J B B McCortney, Thamesford [Coro B]; 4 J J Palmer, Toronto [Bobb].

HACKNEYS.—Stallion, four years old and upwards—1 and silver medal, Robert Beith, Bowmanville [Squire Rickell]; 2 Dr J Watson, Howick, Que [Bell Boy]; 3 A Little, Georgetown [Woodland Performer]. Stallion, three years old—1 Graham Bros, Harrow [Stamford]; 2 Hodgkinson & Tisdale, Beaverton [Rosseau Swell]. Stallion, two years old—1 H N Crossley, Rosseau [Rosseau Royal Oak]; 2 H N Crossley, Rosseau [Queen Dagmar]; 3 H N Crossley [Miss Roberta]; 4 R Davies, Toronto [Danish Lady]. Filly, two years old—1 J D & O Sorby [Princess Cecilia]; 2 R Beith [Sylvia]. Yearling filly—1 R Beith [Titania]; 2 H N Crossley [Countess Josephine]; 3 R Beith [Helena]. Brood mare, with foal of the same bred by her side—1 R Davies [Lady Lynn]. Foal of 1900—1 R Davies [Thorncliffe Performer]. Single horse, mare or gelding, not more than 15 hands—1 and silver medal, E R Hogate, Woodstock [Pride of Hatfield]; 2 J P Herold, V S, Tavistock [Yorkshire and 9th 293]. Stallion, three years old—1 Bawden & McDonald [Wilcott Thumper 18452]; 2 Hogate & Co, Toronto [Groundsow Charming 289]; 3 Morris, Stone & Wellington [Mars 275]. Filly, three years old—1 and silver medal, Jno Gard-house, Highfield [Violet 126]; 2 Morris, Stone & Wellington [Belle 2nd 137]. Filly, two years old—1 Morris, Stone & Wellington [Leila 131]. Yearling, filly or gelding—1 J Gardhouse [Victoria]; 2 Morris, Stone & Wellington [Rose 145]. Brood mare, with foal of the same bred by her side—1 Morris, Stone & Wellington [Laura 112]. Foal of 1900—1 Morris, Stone & Wellington [Bride of 1900].

HEAVY DRAFT HORSES (CANADIAN-BRED ONLY).—Stallion, four years old and upwards—1 A Doherty, Ellesmere [Prince of Blantyre 2nd 2239]; 2 W F Broad, Lindsay [Grant Lad 2338]; 3 T H Hassard, Millbrook [Bold Grandeur 2491]. Stallion, three years old—1 R Newman, Wood-ford [Jubilee Chief 2482]; 2 Hogate & Son, Toronto [Roslin Again 2491]. Stallion, two years old—1 and silver medal, J Miller & Son, Brong-ham [Lord Roberts 2541]; 2 A Agar, Nashville [West York Stamp 2356]; 3 Graham Bros, Clarendon [Lord Roberts 2605]. Gelding—1 W J Howard, Amherst; 2 P H, Petrie, Stratford; 3 R Newman, Filly, three years old—1 and silver medal, Hodgkinson & Tisdale, Beaverton [Royal Princess 2345]; 2 J O Little, Sandhill [Sadie Stamp]. Filly, two years old—1 W Woodhill, Woodhill [Bel]; 2 A Doherty [Glen Ina]; 3 M Laidlaw, Mayfield [Fay Stamp]. Filly, one year old—1 D & O Sorby, Guelph [Charming Star 2713]; 2 W Woodhill [Fay]; 3 G Crawford, Oro Station [May Bell]. Brood mare, with foal by her side—1 G Crawford [Miss Bank]; 2 A Doherty [Daisy Belle 2966]; 3 Hodgkinson & Tisdale [Moss Rose 1943]. Foal of 1900—1 J Cowie, Markham [Well Ahead]; 2 S J Prouse, Ingersoll; 3 G Crawford [Roscelia]. Mare,

over, under 15 hands and over 15 hands, to be shown to zig or dog cart; substance and conformation, action and style to count—1 Crow & Murray, Toronto; 2 A Yeager, Simcoe; 3 C Head, Cob in harness, mare or gelding, four years old and over, not under 14 hands and not exceeding 15 hands, must be stoutly built and have style and good action—1 C Crow & Murray, Toronto; 2 W Dundas, Toronto; 3 E B Clancy, Toronto.

CLYDESDALES (IMPORTED OR CANADIAN-BRED).—Clydesdale stallion and four of his progeny, the progeny not to be over two years old. The award to be made on the proportion of 30 per cent. for the stallion and 70 per cent. for the progeny—1 Graham Bros, Clarendon [Charming 2264]; 2 D O Sorby, Guelph [Lord Charming 2264]. Stallion, four years old and upwards—1 and silver medal, Graham Bros, Clarendon [Baron Burgie 2723]; 2 R Davies, Toronto [Lyon Macgregor 2308]; 3 T H Hazzard, Millbrook [Alexander's Heir 2557]; 4 D & O Sorby, Guelph [Lord Charming 2264]. Stallion, three years old—1 Jno Gardhouse, Highfield [King of the Clydes 2569]; 2 Graham Bros [Bold Knight 2437]; 3 Smillie Bros, Brucefield [Prince of Hurlford 2396]; 4 D & O Sorby [Prince Delectable 2666]. Stallion, two years old—1 Graham Bros [Royal Cairn 2730]; 2 R Davies [King Lynedock 2578]; 3 J Stewart, Springbank [Lyon Slew 2732]; 4 E Ness, Howick, Que [Queer Knight 2739]. Yearling colt, entire—1 D & O Sorby [Charming Lad 2743]; 2 D & O Sorby [Lord Clarence Charming 2648]; 3 J McCallum, Tavistock [Scottish Rover 2724]. Filly, three years old—1 and silver medal, Graham Bros [Royal Lady 2344]. Filly, two years old—1 Graham Bros [Cherry Star 2788]; 2 Graham Bros [Cherry Star 2790]; 3 J Prouse, Ingersoll [Jean of Hartland 2616]. Yearling filly or gelding—1 R Davies [Nelly Lynedock 2603]; 2 D & O Sorby [Miss Charming 2605]. Brood mare, with foal of the same bred by her side—1 Graham Bros [Corinne 2226]; 2 D & O Sorby [Miss Stanley 2507]; 3 Graham Bros [Cherry Star 2790]; 4 J Prouse, Ingersoll [Jean of Hartland 2616]. Yearling filly or gelding—1 R Davies [Nelly Lynedock 2603]; 2 D & O Sorby [Miss Charming 2605]. Brood mare, with two of her progeny—1 Graham Bros [Cherry Sweet 2787]. Span of Clydesdales (geldings or mares)—1 D & O Sorby [Princess Cecilia 2739]; 2 R Beith [Sylvia]; 3 Pevitt & Sons [Freeman [Nellie Macpherson 2797 and Topsy Macpherson 2798].

ENGLISH SHIRE HORSES (IMPORTED OR CANADIAN-BRED).—Stallion, four years old and upwards—1 and silver medal, Bawden & McDonald, Exeter [Belshazzar 18355]; 2 Morris, Stone & Wellington, Cent Hill [Pride of Hatfield 2563]; 3 P Herold, V S, Tavistock [Yorkshire and 9th 293]. Stallion, three years old—1 Bawden & McDonald [Wilcott Thumper 18452]; 2 Hogate & Co, Toronto [Groundsow Charming 289]; 3 Morris, Stone & Wellington [Mars 275]. Filly, three years old—1 and silver medal, Jno Gard-house, Highfield [Violet 126]; 2 Morris, Stone & Wellington [Belle 2nd 137]. Filly, two years old—1 Morris, Stone & Wellington [Leila 131]. Yearling, filly or gelding—1 J Gardhouse [Victoria]; 2 Morris, Stone & Wellington [Rose 145]. Brood mare, with foal of the same bred by her side—1 Morris, Stone & Wellington [Laura 112]. Foal of 1900—1 Morris, Stone & Wellington [Bride of 1900].

SPECIALS FOR HACKNEYS.—For the best Hackney mare or filly, registered in the English Hackney Stud Book, or entered for the subsequent volume, silver medal, offered by the English Hackney Horse Society of London, England—1 R Beith, Bowmanville [Mona's Queen]. For the best Hackney stallion, or entire colt, registered in the English Hackney Stud Book, or entered for the subsequent volume, silver medal, offered by the English Hackney Horse Society of London, England—1 H N Crossley, Rosseau [Performer]. For the best Hackney stallion, mare or gelding, any age, by a registered Hackney stallion, and out of a registered or unregistered mare, shown in harness to a suitable two-wheeled vehicle, silver medal, offered by the American Hackney Horse Society, Room 48, Astor Court Building, New York City—1 Crow & Murray, Toronto [South Africa]. For the best Hackney stallion, mare or gelding, any age, by a registered Hackney stallion, and out of a registered or unregistered mare, to be shown under saddle—1 Crow & Murray [Jewel].

SPECIALS FOR HIGH-STEEPERS (NOT NECESSARILY HACKNEYS).—Pair of matched horses, high-steppers, mares or geldings, not more than 15 hands—1 Crow & Murray, Toronto; 2 Crow & Murray; 3 C Head, Guelph. Single horse, high-stepper, mare or gelding, not more than 15 hands—1 Crow & Murray; 2 Crow & Murray; 3 A Yeager, Simcoe.

DOG CART AND COB HORSES.—Dog cart horse, mare or gelding, four years old and over, not under 15 hands, to be shown to zig or dog cart; substance and conformation, action and style to count—1 Lowes Bros, Toronto; 2 R Beith, Bowmanville; 3 C Head, Guelph. Dog cart horse, mare or gelding, four years and

with two of her progeny—1 G Crawford [Roscelia]. Span of horses, geldings or mares—1 G Moore, Waterloo [Waterloo and Berlin]; 2 G Moore [Wallace and Bruce]; 3 P H Petrie.

HORSES FOR GENERAL PURPOSES.—Mare or gelding, four years old and upwards—1 C Head, Guelph; 2 J Bushnell, Mount Heron; 3 W N Scott, Milton. Filly or gelding, three years old—1 F Clark, Altona; 2 A Little, Georgetown. Filly or gelding, two years old—1 J Mothersill, Altona; 2 J H Ferguson, Brampton; 3 M Harrison, Brampton. Yearling filly or gelding—1 T Fenwick, Summersville; 2 J H Ferguson. Brood mare, with foal by her side—1 and silver medal, J Mothersill; 2 J Oliver & Son, Derry West; 3 Andrews Bros, Elmbank. Foal of 1900—1 J Mothersill; 2 J A Fuller, Altona; 3 J F Williamson, Appleby. Matched team geldings or mares, in harness—1 Andrews Bros; 2 A Little; 3 D Hutchison, Nassagaweya.

PONIES.—Stallion, 13 hands and under—1 C Stewart, Harrowsmith [Donald]; 2 D Decow, Middlemiss [Dandy]; 3 D Decow [Arab Chief]. Pony, in single harness, 11 hands and under—1 T H Coffin, Toronto [Jack]; 2 J Park, Toronto [Billy]. Pony, in single harness, over 11 hands, up to 12 hands—1 G V Foster, Toronto [Puss]; 2 J Tilt, Derry West [Major Dot]; 3 J J Barrett, Toronto [Joe]. Pair of ponies in harness, 12 hands and under—1 T S Hill, Toronto [Dolly and Jessie]. Pony, in single harness, over 12 hands, up to 13 hands—1 M Baker, Woodstock [Daisy]; 2 T Gall, Toronto [Top]; 3 J H Harrison, Brampton [Dot]. Pair of ponies, in harness, over 12 hands, up to 13 hands, half-mile heats, best 2 in 3—1 W Verrall, Toronto [Crocket]; 2 A H Plummer, Blythe [Sammy P].

PONY RUNNING RACES.—Running race, for ponies 13 hands and under, half-mile heats, best 2 in 3—1 S Jewel, Mt Albert [Black Jim]; 2 W E Verrall, Toronto [Wasp]; 3 R Davies, Toronto [Creta]. Running race, for ponies 12 hands and under, half-mile heats, best 2 in 3—1 D Decow, Middlemiss [Arab Chief].

PONY TROTTING RACES.—Trotting race, to harness in pony cart or surrey, 12 hands and under, driven by boy under 15 years of age, half-mile heats, best 2 in 3—1 C Stewart, Harrowsmith [Donald]; 2 J Chantler, Toronto [Lucy]; 3 M Convey, Toronto [Little Frank]. Trotting race, to harness in pony cart or surrey, over 12 and under 13 hands, half-mile heats, best 2 in 3—1 W Verrall, Toronto [Crocket]; 2 A H Plummer, Blythe [Sammy P].

HUNTERS AND SADDLE HORSES.—Saddle horse, gelding or mare—1 Geo Pepper, Toronto [Jubilee]; 2 G A & A Case, Toronto [Symphony]; 3 H H Beatty, Toronto [Pride of Midland]; 4 A S Chisholm, Oakville [Stratheden]. Hunter, heavy-weight, up to 15 stone—1 Geo Pepper [Jno Collins]; 2 L Meredith, London; 3 Geo Pepper [My Fellow]; 4 G A Peters, Toronto [Veto]. Hunter, light-weight, up to 11 stone—1 Geo Pepper [Your Fellow]; 2 M Pepper, Toronto [Curfew Bell]; 3 Geo Pepper [Victoria]; 4 Geo Pepper [Glenmore]. Light saddle horse—1 and silver medal, Geo Pepper [Leading Lady]; 2 J G Wilson, Paris Station; 3 W Buckle, Guelph [Babe]; 4 B Fuller, Woodstock [Wal-tzer]. Three-year-old, filly or gelding, not Thoroughbred, but sired by a Thoroughbred horse, likely to make a good hunter or saddle horse—1 G & J Calloway, Guelph [J. J.]; 2 A F Claughton, Etobicoke [Ladysmith]; 3 K Marshall, Toronto. Two-year-old, gelding or filly, not Thoroughbred, but sired by a Thoroughbred horse, likely to make a good hunter or saddle horse—1 W N Tape, Bentpath; 2 F Clark, Altona [Wiley]. Horse, best leaper—1 Geo Pepper [My Fellow]; 2 Geo Pepper [J. J. Collins]; 3 Geo Pepper [Glenmore]; 4 Geo Pepper [Victoria].

SPECIAL PRIZES.—FOR HUNTERS—HIGH JUMPING.—Light-weight green hunters, carrying not less than 154 pounds. Best performance over four successive jumps, about 4 feet, in and out about 3 feet 6 inches, about 20 feet apart—1 G & J Calloway, Guelph [J. J.]; 2 G A Case, Toronto [Signal]. Heavy-weight green hunters, carrying not less than 175 lbs. Best performance over six successive jumps, about 4 ft., in and out about 3 ft. 6 in., about 20 ft. apart—1 L Meredith, London [Eagle Plum]; 2 Geo Pepper, Toronto [Courtown]; 3 Geo Pepper, Toronto [London Light]; 4 Geo Pepper [Your Fellow]. Special: Hunters showing best performance over four successive jumps, about 4 ft., in and out about 3 ft. 6 in., about 20 ft. apart—1 Geo Pepper [Victoria]; 2 Geo Pepper [Pearl]; 3 Geo Pepper [Larry Gay].

SCOUT HORSES AND BARBACK RIDING.—Barback riding on horses which have never competed in a race, owned and ridden by farmers or farmers' sons engaged exclusively in farming not less than 50 acres, to be shown in a walk, trot, and gallop. Prizes presented by Massey-Harris Co., Limited, Toronto—1 Geo Ward, Woodhill; 2 R F Duck & Son, Port Credit [Pride of Erin]; 3 A Hewson, Grahamsville [Pansy].

BEST PERFORMANCE OF PROFESSIONAL COACHMEN.—IN LIVERY.—Driving a pair of horses—1 J Morton, coachman for Geo Gooderham, Toronto; 2 H F Arno, coachman for E Y Eaton, Toronto; 3 Mr. Rob-inson, coachman for Mrs. Fraser, Toronto Junction.

FOR FOUR-IN-HANDS.—For the best four-in-hand teams, mares or geldings, four years old and over, to be shown before break, coach or heavy carriage—1 A Yeager, Simcoe.

FOR TANDEMS.—For the best tandem of horses and turn-out, style and skill in handling, etc., the class to be shown before two-wheeled tandem carts or dog-carts—1 Crow & Murray, Toronto; 2 A Yeager, Simcoe.

BEST AND BEST-APPOINTED GENTLEMEN'S PAIR TURN-OUT.—DEALERS IN HORSES EXCLUDED.—Pair of mares or

under twelve months—1 D C Flatt & Son; 2 and 3 Brethour & Saunders; Sow, under six months—Brethour & Saunders; 2 and 3 D C Flatt & Son. Best Yorkshire boar and two sows, of any age—1 Brethour & Saunders; 2 D C Flatt & Son. Boar and four of his get under six months old, the produce bred and all owned by the exhibitor—1 Brethour & Saunders; 2 Jos Featherston & Son. Sow and four of her produce under six months old, the produce bred and all owned by the exhibitor—1 Brethour & Saunders; 2 Jos Featherston & Son.

TAMWORTHS.—Boar, over 2 years—1 and 3 John C Nichol, Hubrey; 2 John Hord & Son, Parkhill. Boar, over one and under two years—1 Colwill Bros, Newcastle; 2 A Elliot & Son, Galt; 3 John C Nichol. Boar, over six and under 12 months—1 John C Nichol; 2 A Elliot & Son; 3 J R Newell & Son, Crampton. Boar, under six months—1 J Hord & Son; 2 and 3 J C Nichol; 3 J Hord & Son. Sow, over one and under two years—1 W M Smith, Fairfield Plains; 2 Colwill Bros; 3 J R Newell & Son. Sow, over six and under twelve months—1 Colwill Bros; 2 A Elliot & Son; 3 J C Nichol. Best Tamworth boar and two sows, of any age—1 J C Nichol; 2 Colwill Bros. Boar and four of his get, under six months old, the produce bred and owned by exhibitor—1 J C Nichol; 2 Colwill Bros. Sow and four of her produce under six months old, the produce bred and owned by the exhibitor—1 J C Nichol; 2 J Hord & Son.

POLAND-CHINAS.—Boar, over two years—1 and 2 W M & J C Smith, Fairfield Plains; 3 Elgin Malcolm, Scotland, Ont. Boar, over one and under two years—1 Elgin Malcolm; 2 and 3 W M & J C Smith. Boar, over six and under twelve months—1, 2 and 3 W M & J C Smith. Boar, under six months—1, 2 and 3 W M & J C Smith. Sow, over two years—1 and 2 W M & J C Smith; 3 E Malcolm. Sow, over one and under two years—1 and 2 W M & J C Smith; 3 E Malcolm. Sow, over six and under twelve months—1, 2 and 3 W M & J C Smith. Sow, under six months—1, 2 and 3 W M & J C Smith. Best Poland-China boar and two sows, of any age—1 and 2 W M & J C Smith. Boar and four of his get under six months old, the produce bred and all owned by exhibitor—1 and 2 W M & J C Smith. Sow and four of her produce under six months old, the produce bred and all owned by exhibitor—1 and 2 W M & J C Smith.

CHESTER WHITES.—Boar, over two years—1 and 2 H George & Sons, Crampton; 3 H E George, Crampton. Boar, over one and under two years—1 and 2 H George & Sons; 3 H E George. Boar, over six and under twelve months—1 and 2 H George & Sons; 2 W E Wright, Glanworth. Boar, under six months—1 and 2 H George & Sons; 3 H E George. Sow, over two years—1 and 2 H George & Sons; 3 H E George. Sow, over one and under two years—1 and 2 H George & Sons; 3 H E George. Sow, over six and under twelve months—1 W E Wright; 2 and 3 H George & Sons. Sow, under six months—1 and 2 H George & Sons; 3 H E George. Best Chester White boar and two sows, of any age—1 and 2 H George & Sons. Boar and four of his get under six months old, the produce bred and all owned by exhibitor—1 H George & Sons; 2 H E George. Sow and four of her produce under six months old, the produce bred and all owned by exhibitor—1 H George & Sons; 2 H E George.

DUROC-JERSEYS.—Boar, over two years—1 W N Tape, Bentpals; 2 Tape Bros, Ridgetown. Boar, over one and under two years—1 Tape Bros; 2 W N Tape. Boar, over six and under twelve months—1 W N Tape; 2 Tape Bros. Boar, under six months—1 Tape Bros; 2 and 3 W N Tape. Sow, over two years—1 Tape Bros; 2 W N Tape. Sow, over one and under two years—1 W N Tape; 2 Tape Bros; 3 W M Smith, Fairfield Plains. Sow, over six and under twelve months—1 W N Tape; 2 Tape Bros; 3 W M Smith. Sow, under six months—1 W N Tape. Best Duroc-Jersey boar and two sows, of any age—1 W N Tape; 2 Tape Bros. Boar and four of his get under six months old, the produce bred and all owned by exhibitor—1 W N Tape. Sow and four of her produce under six months old, the produce bred and all owned by exhibitor—1 Tape Bros.

OTHER DISTINCT BREEDS.—Boar, over one and under two years—1 Jos Featherston & Son, Streetsville. Boar, over six and under twelve months—1 Jos Featherston & Son. Boar, under six months—1 J Hord & Son, Parkhill; 2 and 3 Jos Featherston & Son. Sow, over one and under two years—1 and 3 J Featherston & Son; 2 J Hord & Son. Sow, over six and under twelve months—1 T A McClure, Meadow vale; 2 J Hord & Son; 3 Jos Featherston & Son. Sow, under six months—1 Jos Featherston & Son; 2 T A McClure; 3 J Hord & Son. Best boar and two sows of the same breed, of any age—1 Jos Featherston & Son; 2 J Hord & Son.

EXPORT BAACON HOGS.—For the best pen of four pure-bred hogs, most suitable for export bacon—1 D C Flatt & Son, Millgrove; 2 Brethour & Saunders, Burford; 3 R F Duck & Son, Port Credit; 4 Colwill Bros, Newcastle; 5 Joseph Featherston & Son, Streetsville. For the best pen of four hogs of any breed, cross or grade, most suitable for export bacon—1 D C Flatt & Son; 2 Brethour & Saunders; 3 R F Duck & Son; 4 Colwill Bros; 5 Jos Featherston & Son.

GOSSIP.
Messrs. Dalgety Bros., London, Ont., have landed a large consignment of Clydesdale stallions from Scotland, which they offer for sale elsewhere in this issue. From Sept. 20th to the 27th they will be stabled at the Black Horse Hotel, Toronto, and after that date at the Fraser House, London. See Messrs. Dalgety's advertisement.

Weighing Live Stock. One of the necessities of every well-equipped farm is a platform scale for weighing live stock. Selling animals by mere guess-work as to weight will soon be a thing of the past, as it should be. It is also important to weigh cattle occasionally as they are being fed, to ascertain what progress they are making upon the food consumed. In this connection, the attention of the reader is directed to the "Multi-scale," advertised elsewhere in this issue by Mr. J. B. J. Donahue, of Streetsville, Ont., an anti-platform scale, which is capable of weighing the heaviest of farm stock, up to two or three tons. It is said to be very simple in construction, accurate in weighing, and convenient, taking up but little room.

ASK FOR
KHAKI

THE COUNTRY DEMANDS
A CHANGE IN THE COLOR
OF

**FLOOR
PAINT**



THE NEW COLOR—

KHAKI

Covers well—
Does not show the Dust—
Durable and Permanent.

THE
IDEAL PAINT

FOR
LASTING QUALITIES
AND ECONOMY.

SOLE MAKERS
THE CANADA PAINT CO., LIMITED
MONTREAL AND TORONTO.

ASK FOR
KHAKI

Farmers, Nurserymen, Contractors and Fence Builders.

LOOK!
Hall's Improved Patented Beaver Post Hole Digger will dig in the driest of sand or hardest of clay. You can dig any sized hole, lift out stones and chop off roots. It will do the work in almost anything but solid rock. It will pay for itself in time and labor saved on one small job. The machine is built of solid steel and iron.

Hall & Son, Toronto.
LONDON FENCE MACHINE CO., LONDON.

LYNDEN FARM.
OXFORDS AND SHORTHORNS.
IMPORTED and home-bred rams. Also, one 10-months bull.
Post and telegraph offices.
R. J. HINE,
Dutton, Ont.

IT PAYS TO ADVERTISE IN
THE FARMER'S ADVOCATE.

Big Sale of Glydesdales.

A MAGNIFICENT IMPORTATION.

FOR ONE WEEK, COMMENCING

THURSDAY, SEPTEMBER 20, 1900.

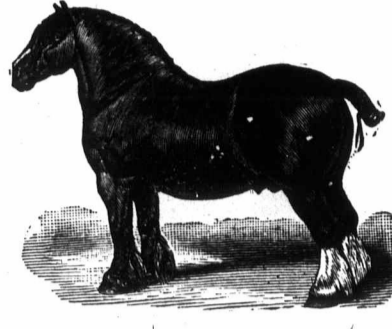
AT THE Black Horse Hotel, Toronto.

AFTER SEPT. 27, AT

Fraser House, London.

WE have a representative buying in Scotland, and can therefore secure for our customers just what they require. We solicit correspondence. We are the largest importers in Canada.

Dalgety Bros., 463 KING ST., London.



"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 **\$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.



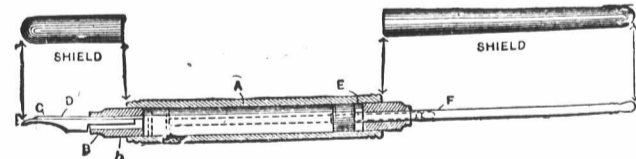
General Lew Wallace, the author of the greatest book of the age, "Ben Hur," also "Prince of India," "Commodus," etc., says in a letter in his own handwriting: "The fountain pen, Post, was received, and I have taken the liberty of trying it thoroughly. Please accept the excuse for failure to acknowledge 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.



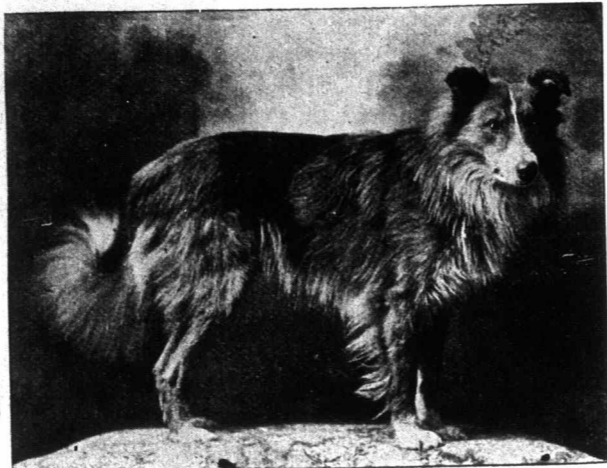
The world's greatest singing evangelist, who has thrilled thousands and tens of thousands, now raises his voice in praise of the Post Fountain Pen. Mr. Sankey sends the following characteristic letter: "I have used the Post pen for some time, and have had great satisfaction with its use. It never falls or gets cranky. One can at least have clean hands by using the Post, whatever the heart may be."

Frank Sankey.

THE **Wm. Weld Co., LTD.**
LONDON, ONTARIO.

HOW TO GET A FIRST-CLASS COLLIE

Twelve
New
Subscribers



Twelve
New
Subscribers

TO ANY SUBSCRIBER sending us the names of 12 NEW yearly paid-up Subscribers we offer a young COLLIE, six weeks old or over, eligible for registration, and bred by Mr. R. McEwen, Byron, Ont., whose stock has been so successful in the leading shows in Canada and the United States.

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.

Our Self-Binder, HANDY, DURABLE and ATTRACTIVE.

Made to contain the 24 issues of the year. We will forward this Binder, postpaid, to anyone sending us the names of two NEW subscribers and \$2.00.

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 paid) this Bible to anyone sending us the names of TWO NEW SUBSCRIBERS to the FARMER'S ADVOCATE at \$1.00 each.

The BALANCE of this year's issues given FREE to all NEW SUBSCRIBERS for 1901.

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.

ADDRESS

The William Weld Co., Ltd., London, Ont.

NOTICES.

The American Shetland Club, of which the secretary is Mr. Mortimer Levering, Lafayette, Ind., has issued its 4th volume, a creditable production, containing pedigrees numbering 3233 to 3336. The volume is tastefully prepared, and illustrated with portraits of handsome ponies.

Practical Learning by Mail.—Ambitious mechanics who desire to obtain better positions and higher wages should investigate the many advantages afforded by the correspondence method of instruction in the theory of the trades and engineering professions. Without leaving home or losing time from work, the student pursues a course of study under the direction of instructors who are always ready and willing to assist him. Instruction papers, prepared especially for teaching by mail, are furnished free. These papers are written in clear and concise language, as free as possible from technicalities so prevalent in many of the ordinary text-books on the subjects on which they treat. In addition, special information regarding any difficulties in their studies is furnished students without extra charge. It should be the ambition of every man to advance in his trade or profession. A mechanic with practical education, supplemented by theoretical education, can command a better position than a man without such an education, and teaching by mail, rightly conducted both by teacher and learner, meets the requirements of men who have but little time for study.

Kennel Club's Meeting.

The annual meeting of the Canadian Kennel Club was held in Toronto on August 6th. President John F. Kent, of Toronto, was in the chair. The President's report showed a membership of 217. The registrations in the Stud-book now number 5533, the number for the year being 480, an increase of about 20 per cent. over the previous year. The members of the Association were requested by the Executive to bring to the attention of their representatives in Parliament that registered dogs were kept under control and therefore could not commit depredations. It was held to be unfair that these dogs should be subject to the heavy taxation proposed in the last session of Parliament. The matter of the pedigrees in the Stud-book for the year was referred to the same committee as had the matter in hand last year. The election of officers resulted as follows: Hon. President, Mr. Richard Gibson; President, John G. Kent; First Vice-President, Dr. J. S. Niven, London. Vice-Presidents: Mr. F. T. Miller, Trenton, Ont.; Mr. Joseph A. Laurin, Montreal; Mr. E. R. Collier, Winnipeg; Rev. J. W. Flinton, Victoria, B. C.; Dr. F. W. D'Evelyn, San Francisco, Cal.; Mr. Jas. L. Little, Brookline, Mass.; Mr. G. Allan Ross, Regina, N.-W. T. Secretary-Treasurer, H. B. Donovan, Toronto. Executive Committee: James Lindsay, Dr. Wesley Mills, Montreal; H. P. Thomas, Belleville; James Bortram, Dundas; C. Y. Ford, Kingston; Rev. Thomas Geoghegan, Hamilton; H. J. Elliott, Brandon; and George H. Gooderham, W. P. Fraser, A. A. Macdonald, Dr. A. Boulbee, F. W. Jacobi, of Toronto.

WANTED: Country girl for general work; also a boy to do chores. Good wages. Address—FARMER'S ADVOCATE, LONDON.

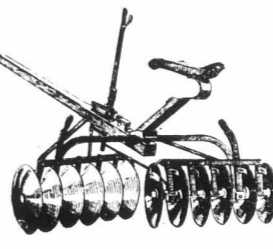
Herbageum is not furnished as a medicine, but is a "spice," which, from making the blood pure and vigorous, cures most of the ills with which domestic animals are afflicted. Beaver Manufacturing Co., Galt, Ont.

EARN MORE MONEY BY HOME STUDY
FREE SCHOLARSHIPS
TO A LIMITED NUMBER
IN ELECTRICAL, MECHANICAL, MARINE, STATIONARY OR LOCOMOTIVE ENGINEERING
American School of Correspondence, Boston, Mass.

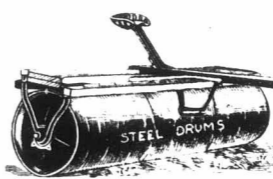
BISSELL'S

Disk Harrow

is the farmers' favorite, because it has a peculiar knack of doing the work right. Tremendous capacity. Works the hardest ground. Light of draft.



Steel Land Roller



Drums are solid steel. It covers all the ground. New improvements. Ask for 1901 catalogue, giving full particulars.

T. E. Bissell, Fergus, Ont.

G. A. GREER & J. LYONS,
Hillside Farm, Lucknow, Ont.

BREEDERS OF REGISTERED LEICESTER SHEEP which got their foundation by the well-known E. Gaunt & Sons, St. Helen's. We have four ram lambs which would do ample justice to any breeder in our line. Also a two-shearing for sale at a very low figure. Bred by P. Rock and W. Leghorn chicks for sale. Everything in good condition. Farm half mile from station.

PLEASE MENTION FARMER'S ADVOCATE.

HORSEMEN! THE ONLY GENUINE IS

GOMBAULT'S CAUSTIC BALSAM.

None genuine without the signature of The Lawrence-Williams Co. Sole Importers & Proprietors for the U.S. & CANADA. CLEVELAND, O.

The Safest, Best BLISTERS ever used. Takes the place of all liniments for mild or severe action. Removes all Bunches or Blemishes from Horses and Cattle. SUPERSEDES ALL CAUTERY or FIRING. Impossible to produce scar or blemish. Every bottle is warranted to give satisfaction. Price \$1.50 per bottle. Sold by Druggists, or sent by Express, charges paid, with full directions for its use. Send for free descriptive circulars. THE LAWRENCE-WILLIAMS CO., Toronto, Ont.

For Sale.

The Samuel Hanna Estate, at Griswold.

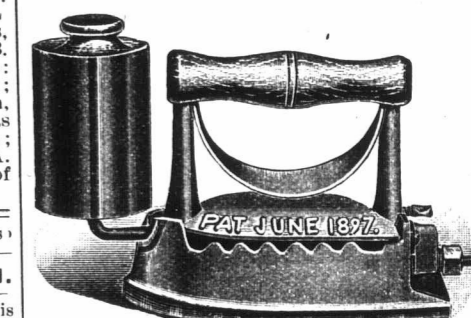
As this estate must be closed out, it has been decided to offer for sale all those splendid farms owned by the late Samuel Hanna, and comprising about seventeen hundred acres within a few miles of Griswold. The land will be sold in parcels. It is highly improved with buildings, fences, and cultivation.

A great opportunity is here offered to any one desiring a first-class farm.

For particulars apply to

Or to Edmund W. Hanna, Coldwell & Coleman, Box 243, BRANTFORD, ONT.

THE HALO Self-Heating Flat Iron.



SAVES TIME AND FUEL. AGENTS WANTED.

RANEYS SPECIALTY MFG. CO., KINGSTON, ONT.

GOOD GENERAL SERVANT WANTED, with or without washing; good wages. Apply—MRS. JOHN WELD, Corner of Becher and The Ridgeway, South London.

MAN OR WOMAN to employ and superintend agents \$50 per month and expenses. Experience not required. Permanent position. ZIEGLER CO., 276 Locust Street, Philadelphia.

Mr. Abram Rudell, Hespeler, Ont., offers well-bred, lusty Shropshires for sale in this issue.

James Smith, Manager Trout Creek Stock Farm, Millgrove, Ont., writes: "Numerous sales have been made from the Trout Creek herd since our Chicago sale. Among others, twenty-two cows and heifers and five bulls to Mr. G. C. Cary, Vermont, U. S. A. These are a very useful lot, and will be a great acquisition to Mr. Cary's already large herd. The importation now in quarantine will compare favorably with any of our former importations both as to pedigree and individual merit. This lot, with eighteen heifers purchased from Mr. Duthie, will bring our total up to eighty head."

Disc Harrows, Steel Land Rollers.—T. E. Bissell, Fergus, Ont., makes a specialty of disc harrows and steel-drum land rollers, which they advertise in this issue. The merits of this harrow are acknowledged, and this implement is more and more used, because it does good work rapidly and easily. Steel-drum land rollers cannot check nor rot with the weather. See Mr. Bissell's advertisement and write for catalogue.

Fifty Years Training Young Men and Women.—The present year marks the fiftieth anniversary of the Detroit Business University. Its graduates are leading merchants, manufacturers, bank cashiers, lawyers, men in places of honor and public trust; young and middle-aged women filling most responsible and honorable positions, independent and self-respecting. Many very desirable positions have been secured by the Detroit Business University for its graduates. No institution in the country offers such facilities for the student as the Detroit Business University and city in the country offers such facilities for business education, it will pay you to acquaint yourself with the superior advantages offered by the institution that has had half a century's experience in training young men and women for practical business life.

GENUINE IS
LTS
SAM.

**Spavins, Ringbones, Splints
Curbs, and All Forms of
Lameness Yield to**



Works thousands of cures annually. Endorsed by the best breeders and horsemen everywhere. Price, \$1; six for \$5. As a liniment for family use it has no equal. West Lome, Ontario, Can., Dec. 14, 1898.
DR. B. J. KENDALL CO.
Dear Sirs:—A year ago I had a valuable horse which got lame. I took him to the Veterinary Surgeon who pronounced it **Oscuit Spavin** and gave me little hope, although he applied a sharp blister. This made matters only worse and the horse became so lame that it could not stand up. After trying everything in my power I went to a neighbor and told him about the case. He gave me one of your books and I studied it carefully and being resolved to do the utmost in favor of my beast, went to the nearest drug store and got a bottle of your Spavin Cure and applied it strictly according to directions. Before the first bottle was used I noticed an improvement, and when the seventh bottle was about half used, my horse was completely cured and without leaving a blemish on him. After ceasing treatment I gave the horse good care and did some light work with him, wishing to see if it had effected a cure. I then started to work the horse hard and to my entire satisfaction he never showed any more lameness through the whole summer. I can recommend Kendall's Spavin Cure not only as an excellent, but as a sure remedy, to any one that it may concern. Yours truly, SAMUEL TRITEN.
Ask your druggist for Kendall's Spavin Cure, also "A Treatise on the Horse," the book free, or address DR. B. J. KENDALL COMPANY, ENOSBURG FALLS, VT.

FARM FOR SALE.

100 ACRES, one mile east of the Corporation of Springfield. Well supplied with flowing wells and good buildings. Amongst the many advantages are grain, cheese, and hog marks. The owner is induced to sell through the advance of years. On easy terms. JOSEPH NESBET, Sr. Springfield, Sept. 6, 1900.

YORKSHIRES AND HOLSTEINS:

Boars and sows, not akin, from 2 to 6 months, from prizewinners at Toronto and local shows. A 3-year-old bull, of the Tirania family; and young stock at reasonable prices.
R. HONEY, Warkworth, Ont.

Bonnie Burn Stock Farm

Forty rods north of Stouffville station, Ont., offers for sale Shorthorn bull calves and yearling heifers, Shropshire lambs and shearlings (both sexes), on D. H. RUSSELL, Stouffville, Ont.

SPRING GROVE STOCK FARM

Shorthorn Cattle and Lincoln Sheep. Herd prize and sweepstake at Toronto Industrial Exhibition, 1897 and 1898. Herd headed by Topman =17847=, champion at Winnipeg, Toronto, London and Ottawa, 1899. High-class Shorthorns of all ages for sale. Also prizewinning Lincolns. Apply
T. E. ROBSON, Iderton, Ont.

Shorthorns for Sale.

12 FEMALES, from 1 to 7 years old, descended from Red Knight (53512), Hopeful (53903), Crown Prince 10637, Canada 10536, and Riverside Stamp 23589, on a Crimson Flower and Stamford foundation. All in good breeding form.
WM. SHIER, SUNDERLAND, ONT.

Pure Scotch Shorthorns for Sale.

Two bulls thirteen and fifteen months old, and three two-year-old and two one-year-old heifers. All right. Good ones. Meadowdale station, C. P. R. S. J. PEARSON & SON, Meadowdale, Ont.

Shorthorns and Leicesters.

Herd Established 1855. A number of young bulls, cows and heifers for sale. Herd headed by imported Christopher 28859, and Duncan Stanley =16364=, Grand milking cows in herd. Also a number of Leicesters of both sexes, from imported foundation.
JAMES DOUGLAS, CALEDONIA, ONT.

SPRINGBANK FARM.

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

FOR SALE.

FIFTEEN OR TWENTY young Scotch Shorthorn cows and heifers. Also 10 bulls, 6 to 24 months; good ones at right prices.
DAVID MILNE, ETHEL, ONT.

Shorthorn

Cows and heifers (also a November bull calf), including the imported cow, Northern Empress, and her 3 mths daughter (imported in dam). A. P. ALTON & SON, Appleby, Ont.

IT PAYS TO ADVERTISE IN THE FARMER'S ADVOCATE

GOSSIP.

At the coming Pan-American Exposition to be held in Buffalo in 1901, the poultry section will be held some time in October. This will suit Canadian exhibitors.

Mr. L. G. Jarvis, the well-known poultry judge, and his family have moved back to Canada again, and are now residents of Montreal, where Mr. M. P. Jarvis has found occupation in a more lucrative position than he held at the Uplands Poultry Farm, Maryland.

By order of the Board of Agriculture, eighty eight animals were slaughtered on Thursday at Trellewell farm, in the parish of Rhuddlan, North Wales, in consequence of an outbreak of foot-and-mouth disease. The police are guarding the farm, and the preventive measures adopted are very rigid, and several officials of the Board of Agriculture are investigating the cause of the outbreak.

E. Jeffs & Son, Bond Head, Ont., write:—"Our Russell bull, Prince Arthur =23777=, is leaving us a grand lot of calves. We sold six of our heifer calves the other day; only three left. Have seven yearling heifers, just daisies, and at grass. Our Leicester lambs are doing nicely, and are by the 2nd-prize ram shown by Mr. Kelly last fall. Our Southdown rams are also doing well. They are by a ram imported by Dr. Morton, of Barrie." See Messrs. Jeffs' change of advertisement.

The death took place of Mr. W. H. Maxwell, of Munches, Kirkcubrightshire, one of the oldest and best-known stock-breeders and agriculturists in the south of Scotland. Mr. Maxwell, who was in his 83rd year, was a prominent man in the live-stock industry. Deceased was always a staunch supporter of the Galloway breed. He presided on many occasions at the annual meetings of the Society, and for many years was a constant figure at the Galloway ring in the showyard of the Highland and Agricultural Society, of which body he was also for several years a director.

A meeting of the Managing Board of the Ontario Poultry Association was held in Toronto, Sept. 6th, with Wm. McNeil, London, in the chair. The business undertaken and accomplished was the perfecting of arrangements for the annual show in Guelph, December 11th to 14th, 1900. Mr. A. G. Gilbert, Ottawa, addressed the meeting, referring to the marked advance that has taken place in the poultry industry during the last five years. An important feature referred to was the appointment of Mr. F. C. Hare, of Whitby, to the charge of the fattening stations in various parts of the Province.

OFFICIAL RECORDS OF U. S. HOLSTEIN-FRIESIAN COWS.

During August, 1900, fourteen official tests have been reported to me. Every practical dairyman will recognize that this is a surprisingly large number under the unfavorable conditions of intense summer heat. One indicates nearly nineteen pounds of butter at 80 per cent. of fat to the pound, and a 2-year-old heifer produces over 16 pounds. Summarized, the records are as follows: Two full-age cows, average 5 years 8 months 22 days old; 38 days after calving: Milk, 405.9 pounds; butter-fat, 13,960 pounds; equivalent to 17 lbs. 6 ozs. butter 80 per cent. fat, or 16 lbs. 3.5 ozs. 85.7 per cent. fat. Six cows (3-year-olds), average 3 years 8 months 22 days old; 44 days after calving: Milk, 367 pounds; butter-fat, 11,348 pounds; equivalent to 14 lbs. 3 ozs. butter 80 per cent. fat, or 13 lbs. 3.9 ozs. 85.7 per cent. fat. Six cows (two-year-olds), average 2 years 3 months old; 20 days after calving: Milk, 349.3 pounds; butter-fat, 10,480 pounds; equivalent to 13 lbs. 1.6 ozs. butter 80 per cent. fat, or 12 lbs. 3.6 ozs. 85.7 per cent. fat.
Superintendent Advanced Registry, Yorkville, N. Y.

CALL FOR WEST HIGHLAND SHEEP BY A FARMER'S ADVOCATE ADMIRER.

Mr. Robert Elliot, of Chateaugay Co., P. Q., under date of Sept. 4th, writes us as follows:—"I have read the article entitled, 'Some Old Country Breeds of Live Stock which Might Profitably be Introduced into Canada,' by J. G. Davidson, in the September number, and write to you with regard to the Blackfaced sheep of the West Highlands. I purchased six of that breed last winter. The flock contains one old ram, one yearling ram, one aged ewe, two two-year-old ewes, and one yearling ewe. The two two-year-old ewes had a lamb each this spring, a ram and ewe, and one of the ewes sickened and died during the summer; the lambs have done well. I wish to part with the two rams and buy a new one. Can you tell me if any of your correspondents or subscribers have the breed, and how I could sell my own? I would like to find a purchaser for mine before I buy myself. They were imported by Henry Morgan, of Montreal. I have been a subscriber to your paper for nearly a year, and find it all a farmer could require. Hoping I have not taken up too much of your time, I will now close. Kindly awaiting your reply, I remain,
"ROBERT ELLIOT."
[EDITORIAL NOTE.—Any person having West Highland sheep would find it of decided advantage to make the fact known through our columns. We would be glad to hear from anyone who can be of help to Mr. Elliot in this matter.]

SHORTHORN CATTLE AND LINCOLN SHEEP.

Imp. The Baron 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.

SCOTCH SHORTHORN BULLS AND HEIFERS

HERD ESTABLISHED IN 1872. Such sires as imported Royal George and imported Warfare have put us where we are. Imported Blue Ribbon now heads herd.
A. & D. BROWN, ELGIN COUNTY, IONA, ONTARIO.

H. CARGILL & SON,

CARGILL, ONTARIO, CANADA.

WE have the largest herd of Cruickshank and Scotch-bred imported cattle in Canada. Herd headed by the Duthie-bred Golden Drop bull, imp. "Golden Drop Victor," assisted by the Marr-bred Princess Royal bull, imp. "Prince Bosquet." The herd will be augmented about 4th August by a fresh importation of fifty-two head, personally selected by Sylvester Campbell, of Kinellar, an expert judge both as to individuality and pedigree. The cattle in this lot will compare very favorably with any lot yet imported. All females of suitable age are bred to the very best bulls obtainable. Correspondence or personal inspection invited. Catalogue and service list upon application.

Cargill Station is on the Farm, Half a Mile from Barns, and 70 Miles North-west of Guelph. See Catalogue for Map.

Isaac Usher & Son, QUEENSTON, ONT.,

Manufacturers of QUEENSTON CEMENT. Proprietors of

**Queenston Heights Stock Farm.
Shorthorn Cattle.**

Herd headed by Lord Gloster (26995), by Abbotsford. We have for sale seven young bulls, 4 to 20 months; also young cows and heifers. Stock offered for sale sired by or bred to such noted bulls as imp. Guardsman, Royal Standard, Abbotsford, Lord Gloster, Indian Count.

P. O., TELEGRAPH AND TELEPHONE, QUEENSTON, ONT.

FARM 3 MILES NORTH OF NIAGARA FALLS.

W. G. Pettit & Son, FREEMAN, ONT.

IMPORTERS AND BREEDERS OF

Scotch Shorthorns and Shropshire Sheep

OFFER FOR SALE:

- 20 Imp. bulls.
- 40 Imp. cows and heifers.
- 6 Home-bred bulls.
- 30 Home-bred cows and heifers.
- 7 Shearling rams.
- 20 Ram lambs.
- 25 Ewe lambs.

Our importation of this year arrived home August 17th, and is one of the largest made this year. Selected by ourselves from the leading herds in Scotland.

Our new Catalogue, with full information, is now ready to mail.

Burlington Junction Station, Telegraph and Telephone Offices, within half a mile of farm.

**The Breed THAT FIRST MADE Hillhurst Famous
THE HIGHEST-PRICED
SHORTHORN FEMALES**

Ever sold in Great Britain and the sire and dam of the 4,500-guinea Duke of Connaught were bred at Hillhurst. To-day "Joy of Morning," the highest-priced Scotch-bred bull ever imported to Canada, and "Scottish Hero," brother in blood to the Royal champion bull ever imported to Canada, and Scotch-topped Shorthorns in a hilly limestone "Marengo," are in service in a herd of 65 Scotch and Scotch-topped Shorthorns in a hilly limestone district, where cool summers, green pastures and winter food more closely approach Aberdeenshire conditions than any other part of the continent. HAMPSHIRE DOWN and SHROPSHIRE SHEEP.

M. H. COCHRANE,

HILLHURST STATION. COMPTON CO., P. Q.

W. G. Edwards AND COMPANY,

IMPORTERS AND BREEDERS

Laurentian Stock and Dairy Farm, NORTH NATION MILLS, P. Q. Pine Grove Stock Farm, ROCKLAND, ONTARIO.

Ayrshires, Jerseys, Shropshires, Berkshires

Our excellent aged herd of Ayrshires is headed by our noted imported bull Cyclone. Tam Glen heads the young herd, and Fawn's Son 2nd of St. Anne's heads the Jerseys. The young stock are all from time-tried dams.
A. E. SCHRYSER, Manager.

Scotch Shorthorns and Shropshires.

The imported Missie bulls, Marquis of Zenda and Scottish Pride, at the head of herd, assisted by British Knight. We have a few extra good young bull calves that will be ready for the coming season.
JOS. W. BARNETT, Manager.

We can be reached either by steamboat, the C. P. R., or C. A. R.; the C. A. R. making connection with the G. T. R. at Coteau Junction. Rockland is our station on all lines. 7-1-y-om—

Please Mention the Farmer's Advocate.

SHORTHORNS FOR SALE—Of the Waterloo, Daisy, Fair Queen, Necklace, Nonpareil, Lady Jane, Beauty, and Isabella tribes. Bulls fit for service, and females of all ages; also, the stock bull, Kenellar of York. **F. MARTINDALE,** York, Ont.

Shorthorns and Shropshires FOR SALE.

An offering of a few young bulls and heifers from imported Rosebud and Countess females, upon which have been employed imported sires from Duthie, Campbell, and Cruickshank herds. Shrop-ram and ewe lambs.

WM. D. DYER, COLUMBUS, ONT.

JAS. DORRANCE, SEAFORTH, ONTARIO.

BREEDER OF **Shorthorn Cattle and Berkshire Pigs** Young stock always for sale.

Good Young Bulls

Of best Scotch breeding, and a desirable lot of **HEIFERS**

of the low-down, blocky type. Royal Prince = 31241 = (bred by J. & W. B. Watt), a worthy son of Imp. Royal Sailor = 18359 =, heads the herd.

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ASHTON FRONT VIEW STOCK FARM.

Four 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.

CONTAGIOUS ABORTION

HAS BEEN CURED BY **WEST'S FLUID**

In several of the finest herds of prize stock in the country; but as it would injure the reputation of the breeders, they will not give written testimonials. These statements are facts.

Write for circular on this disease, specially prepared by a V. S. Headquarters for "STANDARD" Sheep Dip. Manufacturers: **The West Chemical Company,** Agents Wanted, in **TORONTO, ONT.**

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Breeders and importers of **SCOTCH SHORTHORNS.** Offer for sale: 12 Canadian-bred females. 11 Imported females. 4 Imported bulls. 7 Canadian-bred bulls.

SCOTCH SHORTHORNS.

100 head to select from. Imp. Diamond Jubilee = 28861 = at the head of the herd. 25 grand young bulls, and cows and heifers of all ages, of the most approved breeding. (See our exhibit at Toronto and London exhibitions.)

T. DOUGLAS & SONS, Strathroy Station and P. O. Farm 1 mile north of the town.

SPRINGHURST SHORTHORNS.

The herd is largely of Cruickshank and other Scotch sorts, and is headed by the Inverquhomery-bred bull, Knuckle Duster (imported) (72793). Herd has furnished the Fat Stock Show champion three times in the last five years.

Choice young stock (both sexes) for sale.

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

Shorthorns and Cotswolds

One 2-year-old Isabella-bred bull. Also shearing rams and ewes, and this year's crop of lambs.

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SYLVAN P. O., PARKHILL STATION. Scotch Shorthorns, imp. and home-bred.

The Imp. Clipper bull, Chief of Stars, heads the herd. Nine bull calves for sale, 8 to 10 months old (extra good ones), sired by Royal Standard. Inspection invited.

IN WRITING PLEASE MENTION FARMER'S ADVOCATE.

W. D. FLATT

Hamilton, Ont., Can., IMPORTER AND BREEDER OF

Shorthorn Cattle.

MY herd is one of the largest in America, both imported and Canadian-bred. A very choice importation of 27 head now in quarantine and due out Oct. 11. New catalogue of the herd ready for distribution Oct. 1. Address all communications to

James Smith, Mgr., MILLGROVE, ONT. R. R. Station and Telegraph, Hamilton, on main line Grand Trunk R. R.

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Of the Fashion and Lavender tribes; well-developed, healthy, and thick-fleshed; red and roan animals. Golden Robe now heads the herd.

WM. G. HOWDEN, Columbus, Ont. Ontario Co.

HAWTHORN HERD OF DEEP-MILKING SHORTHORNS.

We are offering 5 young bulls for sale, of first-class quality, and A1 breeding.

Wm. Grainger & Son, - Londesboro, Ont.

Maple Lodge Stock Farm

ESTABLISHED 1854. **SHORTHORNS**—An excellent lot of young bulls, and a special value in young cows and heifers in calf to our imported Knuckle Duster.

LEICESTERS—Imported and home bred—the best.

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

For sale

10 Shorthorn bulls, 20 Leicester and South-down rams. A lot of Berkshires. All choice. Send for catalogue.

E. JEFFES & SONS, BOND HEAD.

AS WE ARE DESIROUS of reducing our stock before winter, we will offer a choice lot of **BREEDING EWES,** weighing 180 lbs., at \$15.00 each; ewe lambs at \$10.00, and rams of excellent quality at reasonable prices. We have a few choice young sows in farrow at \$15.00; six-weeks pigs at \$6.00 each. All stock registered and shipped C. O. D.

W. R. BOWMAN, MT. FOREST, ONT.

GUERNSEYS.

This is the dairy breed for ordinary farmers. Large, vigorous, and hardy, giving plenty of rich milk. Several fine young bulls for sale at very reasonable prices. A few heifers can be spared.

Address—**SYDNEY FISHER,** 17-y-o ALVA FARM, KNOWLTON, P. Q.

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.

90 HEAD Herefords

High-quality, Early-maturing, Prizewinners. Young bulls, cows, heifers.

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

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Three or four one-year-old bulls. Cows and heifers.

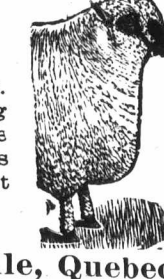
The Plains Farm, Arkell; Moreton Lodge, next the O.A.C. College, containing 200 to 250 acres each.

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Ayrshires, Guernseys, Yorkshires and Shropshires are our leaders.



ALL high-class, pedigreed stock. Those desirous of purchasing thoroughbred animals should write for particulars at once. Orders booked now in rotation for present and future deliveries. Address—



ISALEIGH GRANGE FARM, Danville, Quebec. J. N. GREENSHIELDS, PROP. T. D. MCCALLUM, MGR.

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. Will be represented at the Exhibitions at—

... Toronto, London, and Ottawa, in September.

Do Not Fail to See Them. Young Bulls and Heifers for Sale, bred from High-class Imported Stock.

Robert Hunter, Manager for W. W. Ogilvie Co., Lachine Rapids, Quebec.

8 Scotch-topped SHORTHORN BULLS 8

And a few females, sired by Revenue and Bonnie Lad, a son of (imp.) Blue Ribbon.

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SPECIAL OFFERING. Bull calf 8 months old, sired by DeKol 2nd's Paul DeKol Duke. Bull calf one week old, sired by Daisy Teake's King. Also several fine females, all ages.

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The home of officially tested, Advanced Registry, dairy test and showing-winning herd of **SYLVIA HOLSTEINS,** of Carmen Sylva now for sale. Price is in keeping with breeding and performances.

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Holstein Heifers, coming 2 years old or a few young Cows.

They are of the richest and largest producing strains, fine individuals, and bred to as good bulls as there are living. We have a few bull calves and yearling bulls also for sale.

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

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Offering choice young Bulls and Heifers by Costa Rica's Son.

DAVID DUNCAN, DON, ONTARIO. Nine miles from Toronto Market.

TO THOSE WANTING A SURE PRIZEWINNING BULL

to head their Jersey herd, I offer **Prince of Belvedere 11655**

5 years old, solid bronze fawn. Dam, 17 1/2 lbs. butter a week; sire's dam, 20 lbs. 6 ozs. a week. Also, Golden Fawn Cow, 5 years, superb udder, grand butter record.

Also a Young Stock, both sexes and rare quality.

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Breeder of St. Lambert Jersey cattle, with Count of Pine Ridge, grandson of the great Adelaide of St. Lambert, at head of herd. Also registered Cotswold sheep.

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WILLIAM ROLPH, Markham, Ont., offers twelve Jersey Bulls and Heifers (pure St. Lamberts), out of tested cows. Grand individuals. Prices right.

WATER BASINS

Will Pay for Themselves.



Point 2. Your stock, having water always when required, give richer and larger yield of milk. Saves labor of man, and avoids all accidents, especially in winter time.

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Ontario Wind Engine & Pump Co. LIMITED. TORONTO.

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6 YEARLING JERSEY BULLS. sired by Brampton's Monarch (imp.), and from tested cows; also registered and high-grade springer.

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WM. WYLIE Importer and Breeder of High-class Ayrshires

The winnings of this herd last season (1899) were 37 prizes, 17 of them being firsts; also gold and silver medals at the leading fairs in Canada. The sweepstakes at Toronto, London and Ottawa belong to this herd—one imported bull, 13 imported females and a number of A1 home-bred animals. A few choice cows, heifers and calves for sale at moderate prices.

Address—**WM. WYLIE, Howick, P. Q.**

AYRSHIRE CATTLE.

KAINS BROS., Byron, Ont. (R. R. London), are offering a number of grand young bulls, prizewinners; also a few choice females. Prices right.

Maple Cliff Dairy and Stock Farm.

Breeders of **FOR SALE:** **AYRSHIRES,** 1 yearling and 6 bull calves from 2 to 8 months old. **TAMWORTHS,** Boars and sows, 6 to 8 months old, improved and sucking pigs. **BERKSHIRES.** Booking orders for young pigs.

R. REID & CO., Hintonburg. Farm 1 mile from Ottawa. Electric cars to farm. om

SHOW AYRSHIRES FOR SALE.

As we are not going to show any cattle at the fairs this year, we will sell the imported prize-winning bull, Napoleon of Auchenbrae, champion and head of first prize herd at Toronto, 1898. Also first-class 2-year-old bull and three choice bull calves of last fall. These are all fit for the showing, as we kept them for that purpose. For prices and particulars come and see, or write. **James Boden, Mgr.,** St. Anne de Bellevue, Quebec.

Farm close to St. Anne Station, on G.T.R. & C.P.R., 20 miles west of Montreal.

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H. J. WHITTEKER & SONS, PROPS. North Williamsburg, Ontario. Breeders of Ayrshire cattle, Oxford Down sheep, Berkshire pigs, and Black Java fowls.

For Sale: 1 bull, 18 months old; females, any age; a few choice lambs and young fowls. Winchester, C. P. R. Morrisburg, G. T. R.



PERSIATIC Sheep Dip

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A NON-POISONOUS LIQUID "DIP."

Kills Ticks. Kills Red Lice. Heals Wounds.

Greatly Improves quality of WOOL.

For Horses, Cattle, and Pigs. Removes all insects. Thoroughly cleanses the skin.

Leading "STOCKMEN" endorse it as the CHEAPEST and most EFFECTIVE "Dip" on the market.

SOLD BY ALL DRUGGISTS. 50 cents PER QT. Special rates in larger quantities.

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Ayrshire Bulls: Write to J. YULL & SONS, Carleton Place, for special prices on Ayrshire bulls from 14 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.

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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.

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—Sheepcote, London.

J. E. CASSWELL, Laughton, Folkingham, Lincolnshire.

breeder of Lincoln Long-wooled Sheep, Flock No. 46. The flock was in the possession of the present owner's great-grandfather in 1785, and has descended direct from father to son without a single dispersion sale. J. E. Casswell made the highest average for 20 rams, at the "Annual Lincoln Ram Sale," 1895 and 1897. The 1896 rams were all sold for exportation. Ram and ewe hoggs and shearings for sale, also Shire horses, Shorthorns, and Dark Dorking fowls. Telegrams—"Casswell, Folkingham, Eng." Station: Billingboro, G. N. R.

OXFORD SHEEP FOR SALE.

FIFTY breeding ewes, of all ages, under 6 years; 20 shearing ewes, a few choice rams, and this season's crop of lambs. All imported, and their descendants. I always employed the first choice of Royal winners.

R. J. HINE, DUTTON, ONT.

Shropshires FOR SALE

Rams and ewes of good breeding, fine lustrous fleeces. Prices reasonable. -om

ABRAM RUDELL, HESPELER, ONT.

SHROPSHIRE.

Shearing rams and ewes; also the 1900 crop of lambs, well covered and uniform.

C. H. ROWE, ORILLIA, ONT.

SHROPSHIRE RAMS AND RAM LAMBS

From Tanner, Minton and Bradburn foundation. Uniform and first-class in quality, size and covering.

ESTATE JAS. COOPER, KIPPEN, ONT.

Shropshire rams, ram and ewe lambs for Sale

Descended from importations made from Tanner, Minton, Barber, Farmer, Bowen Jones and Thomas, upon which have been employed the best English-bred sires. Also an imported shearing ram, well covered. -o **GEO. B. PHIN,** Hespeler, Ont.

Shropshires for Sale

Ram and ewe lambs descended from Cooper and Mansell foundation, upon which we have employed Mansell-bred sires. We breed for quality and fleece. Shorthorns later. -o

Locust Hill, C.P.R. **PUGH BROS.,** Whitevale, Ont. Pickering, G.T.R.

Shropshire Rams and Ewes

Newly imported from the greatest English breeders. Home-bred rams and ewes of best quality. Scotch Shorthorns and Clydesdale horses for sale at moderate prices, and in large numbers, by

ROBERT MILLER, STOUFFVILLE, ONT.

SHROPSHIRE SHEEP AND CHESTER WHITE SWINE.

WM. E. WRIGHT, GLANWORTH, ONT.

SHROPSHIRE FOR SALE.

BRED up from imported foundation. Imported sires have been employed the last two seasons. We are offering shearings of both sexes; also our entire crop of lambs and a few choice breeding ewes.

T. LLOYD-JONES & SONS, BURFORD, ONT.

Shropshires for Sale

9 Shearing Rams and 12 Ram Lambs, descended from Cooper, Campbell and Dryden importations. Also 3 very choice 2-year-old rams and an aged sheep of very superior quality. All well covered.

Malcolm McDougal & Sons, Tiverton, Ont.

BRUCE COUNTY.

Dorset Horn Sheep.

This season's crop of 20 ram and ewe lambs, out of imported ewes and their descendants, by the Royal winner, Lord Roberts 1333, I will exhibit at Toronto and Western Fair.

R. H. HARDING, Thorndale.

Huntlywood Southdowns & Dexter Kerry Cattle

Flock of 300 head, imported and home-bred. Selected from the flocks of H. R. H. the Prince of Wales, the Duke of Richmond and Gordon, and the late Mr. Coleman. We are now offering for sale rams, ewes and lambs; also a Dexter Kerry bull calf, by imp. Bantam 257, champion R. A. S., Manchester.

Apply to **W. E. GIBSON,** Manager.

Hon. G. A. Drummond, Beaconsfield, Point Claire P. O., P. Q., Proprietor.

LEICESTER

Rams, ram lambs, ewes. All lambs sired by the first-prize ram at Toronto in '99. Also Shorthorn cattle, Berkshire pigs, and Embden geese.

MAC CAMPBELL, Northwood.

Leicesters

only. Rams and ram lambs, shearing ewes and ewe lambs, having the best blood, with quality and size.

C. & E. WOOD, Freeman, Ont.

Cotswolds for Sale.

8 VERY CHOICE SHEARLING EWES, and this season's crop of lambs, of both sexes. All of good size, with quality, and well covered.

JOHN I. BALSDEN, - Balsam, Ont.

SMITH EVANS, GOUROCK, ONT.

Breeder and importer of registered Oxford Down Sheep. Selections from some of the best flocks in England. Stock for sale at reasonable prices. Inspection invited.

Plainview Oxfords.

WE are offering shearing rams and ram lambs, and a limited number of choice ewe lambs. Will beat Toronto Fair.

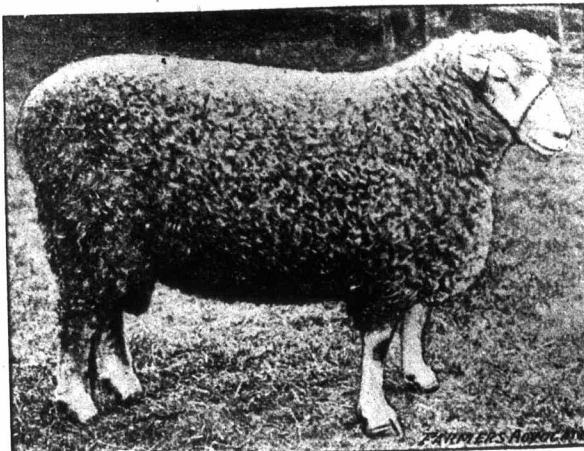
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Summerhill Oxfords

Flock Established Over 20 Years. Offering SHEARLING EWES AND RAMS, and an excellent lot of 1900 lambs of both sexes.

PETER ARKELL & SONS, TEESWATER, ONT.

. Fairfield Flock of Lincoln Sheep. .



See our Sheep at the leading fairs.

J. H. & E. PATRICK, ILBERTON, ONT.

THE largest flock of imported Lincoln and the largest number of Royal first-prize winners of the breed in America. Representatives of this flock won the first flock prize at Toronto last year, and the championship at London. Over 60 imported sheep now in flock, and over 100 field rams and ewes, purchased in England, to follow soon. A large number of yearling rams and ewes, ram lambs and ewe lambs for sale.

Write us for prices, or come and see.

LITTLE'S PATENT FLUID 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.

SOLD BY ALL DRUGGISTS. SEND FOR PAMPHLET.

Robert Wightman, Druggist, Owen Sound.

Sole agent for the Dominion.

Oxford Down Sheep.

IMPORTATION ANNUALLY.

50 yearling rams.

100 ram lambs.

For sale reasonable.

HENRY ARKELL, Arkell, Ont.

E. D. GEORGE, PUTNAM, ONT.,

Importer and Breeder of

Ohio Improved Chester White Swine.

The largest and oldest established registered herd in Canada. I make this breed a speciality, and furnish a good pig at a fair price. Write for prices.

Snelgrove Berkshires.

When others fail to please you with a good pig, come to us. Our herd is bred from the best strains of the Large English Berkshires. We now have a very promising lot of young pigs, April farrow, sired by Colonel Brant 5350 (first prize under 12 months, Toronto, 1900) and Dictator 5944. Write for prices.

SNELL & LYONS, SNELGROVE, ONT.

High Grove Stock and Dairy Farm, TWEED, ONTARIO.

For Sale—Choice two-year-old bull, grandsire Star's John Bull, by Canada's John Bull, will be sold cheap; also 1900 heifer calves. Oak Lodge Empress has just farrowed 13 beauties; her sire and dam were both imported; Lady Tweed, bred by A. Hume & Co., is nursing a litter two weeks old. Extended pedigree of all stock on application. No better bred stock in Ontario. Write for prices.

ROBT. TUFTS & SON, Proprietors.

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Large English Berkshires.

HERD headed by two imported first-prize boars. Young boars and sows from imp. prizewinning sires and dams.

Write for prices. **H. BENNETT & SON,** St. Williams, Ont.

YORKSHIRES.

I will meet my customers at Toronto Fair again this fall with a choice lot of splendid young things of both sexes, in the best breeding form.

E. DOOL, Hartington, Ont.

FOR SALE.

YORKSHIRES AND BERKSHIRES, of both breeds and sexes, from 2 to 4 months; large, lengthy, smooth type. Express prepaid and satisfaction guaranteed.

JAS. A. RUSSELL, Precious Corners, Ont.

OAK LODGE Type of Yorkshires

We have now on hand a large herd of pigs of different ages, and they are as good as we have ever offered. The winnings of this herd have been greater than all other herds combined at the largest Canadian exhibitions.

All stock shipped to order, fully guaranteed.

Brethour & Saunders, Burford, Ont., Can.

Large White Yorkshires.

An offering during this month a grand lot of boars and sows ready for breeding; pairs supplied, not akin, from show stock; also several sows in pig to imported boar. Young pigs from 2 to 3 months old, all of the most improved bacon type. Registers furnished. Express prepaid. Address:

H. J. DAVIS, BOX 290. -om WOODSTOCK, ONT.

YORKSHIRE AND ESSEX PIGS for sale, of the most approved type. We are offering young breeding stock of both sexes and breeds, and will be at Toronto Fair with a few choice things. Also have a limited number of imported Yorkshire boars and sows, having exceptional quality and valuable blood in their pedigrees. Correspondence invited.

JOSEPH FEATHERSTON & SON, Streetsville, Ont.

YORKSHIRES and JERSEYS.

High Grove Stock and Dairy Farm, TWEED, ONTARIO.

For Sale—Choice two-year-old bull, grandsire Star's John Bull, by Canada's John Bull, will be sold cheap; also 1900 heifer calves. Oak Lodge Empress has just farrowed 13 beauties; her sire and dam were both imported; Lady Tweed, bred by A. Hume & Co., is nursing a litter two weeks old. Extended pedigree of all stock on application. No better bred stock in Ontario. Write for prices.

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Quebec. Mgr.

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number of calves, sale champions at

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Sale, bred from

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& Pump Co. LIMITED.

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YEARLING JERSEY BULLS,

by Brampton's Mon-

(imp.), and from

also gold and sil-

and Ottawa belong

13 imported females

red animals. A few

for sale at moderate

o

E. Howiek, P. Q.

CATTLE.

Ont. (R. R. London),

and young bulls, prize-

rights. Price right. -o

d Stock Farm.

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and 6 bull calves from 2

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ews, 6 to 8 months old,

ing pigs.

for young pigs.

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PIRES FOR SALE.

any cattle at the fairs

ported prizewinning

), champion and head

1898. Also first-class

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STOCK FARM

SONS, PROPS.

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young fowls.

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YORKSHIRES.



A limited number of choice young pigs of either sex, from two to four months old, at moderate prices.
ALEX. HUME & CO.,
Menie P. O.
Breeder of

Ayrshire Cattle and Yorkshire Hogs.

TAPE BROS., importers and breeders of
Ridgetown, Duron-
Ont., Jersey **TAPE BROS.,**
Swine. Ridgetown, Ont.

OXFORD HERD OF POLAND-CHINAS

The home of the **WINNERS**
Having again won the sweepstakes at Toronto, London, Ottawa, and Provincial Fat Stock Show, we are offering again young boars and sows of superior quality: bred along the same lines as our winners. **W. & H. JONES,**
Oxford Co. o Mt. Elgin, Ont.

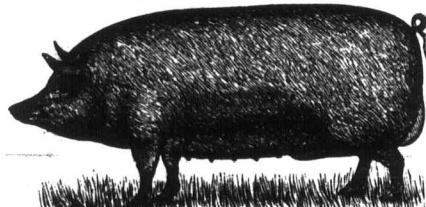
The Coldspring Herd of **TAMWORTHS** won the sweepstakes at Toronto last year, and as we have made no preparation to exhibit this year, we can ship exceptionally choice things of both sexes and all ages. o
NORMAN M. BLAIN,
Brant Co. Coldspring Farm, St. George.

TAMWORTHS

Descended from prize-winning sows, tracing through the most noted imported sires, and from equally well-bred boars. Young things a specialty.
WM. R. McDONALD,
"Pine Lane Farm,"
Box 51, o Ridgetown, Ont.

Spring Brook Stock Farm.

THE LARGEST and leading herd of Tamworths in America. Stock of best quality from imported prizewinning sires. Stock of all ages for sale. Holders of the noted De Kol blood. Write at once for prices and catalogue.
A. C. HALLMAN,
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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. o
H. GEORGE & SONS, Crampton P.O., Ont.

BIRDS of Barred, Buff, White Rocks; Golden, Silver, White, Buff Wyandottes; White, Brown, Buff Leghorns; Spanish, Minorcas, Houdans, Hamburgs, P. Cochins, Langhans, Games, and ducks. **R. J. & A. Laurie,**
o Waverton, Ont.

The SAFETY Incubators and Brooders

Are the leading hatching and rearing machines built in Canada, and you should use them if you wish to make the most money out of your poultry. There is no duty to pay on them, and they are sold under a positive guarantee: to please you or your money will be refunded. Illustrated descriptive catalogue, containing much information that will be useful to you, will be issued shortly. SEND FOR ONE TO—

J. E. MEYER,
o KOSSUTH, Ont.

Built for Business!

That's the idea. There's nothing fancy; nothing foolish about them; just straight, practical, lasting, honest goods. The



CYPHERS . . INCUBATORS

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 YOUR MONEY BACK.** Used exclusively at Experimental Farms, Guelph and Ottawa; also six American Experimental Stations. Daniels, the universal provider in the Poultry Supply business, has the sole agency for the Cypher 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.** o
C. J. Daniels, 221 River St., Toronto, Ont.

GOSSIP.

The Western Dairymen's Association will hold its annual convention and winter dairy show in London, Ont., January 15th to 18th.
The *Scottish Farmer*, noting the record of the recent Flatt sale, states that it is all right for the breeders of Scotch Shorthorns, and should give a send-off to the late Old Country sales.

R. J. & A. Laurie, Waverton, Ont., write: "Please find enclosed a change of ad. We have a fine lot of birds on hand now, and have had a very good season's trade. We have shipped all over Canada, and some to the United States. We offer birds, both old and young, in almost all varieties, and all of the best strains. See our advertisement in this paper."

Mr. Robt. Beith, Bowmanville; Prof. W. G. Carlyle, B. S. A., Wisconsin State University; and Prof. J. A. Craig, Iowa Agricultural College, have been appointed to judge the Clydesdale horses at the December Show in Chicago this year.

At a meeting of the Eastern Dairymen's Association, held in Toronto on Sept. 5th, it was decided to hold the next annual convention at Smith's Falls. There will be awards made for essays, to be competed for by cheese and butter producers. Final arrangements for these are not yet arranged for.

Henry Glide, of Sacramento, will exhibit at the California State Fair twenty-five Rambouillet sheep, the pick of those at the Paris Exposition, and selected by him. The Glide flocks number 10,000 sheep, and Mr. G. annually sells over 2,500 rams from his Sacramento, Yolo and Solano farms, many going to Europe, Australia and South Africa. Gen. Joubert was about visiting Mr. Glide, to select stock, when the Boer war broke out.

It is stated that foot-and-mouth disease has become very prevalent in France, its extension in recent months having been extremely rapid. Fairs and markets have had to be closed in the infected districts, and the movements of live stock have been restricted. The widespread character of the attack has stirred up the authorities to the exercise of vigorous measures, which have already had a good effect.

Appearances are sometimes about as deceptive with dairy cows as with other classes of stock. Of this a striking illustration is afforded by the photograph of the Shorthorn cow which so creditably acquitted herself at the milking trials in connection with the recent show at Tring (Eng.), where she produced a very fine yield of 4 1/2 lbs. of butter in a day. The photo of this cow would not lead one to regard her as likely to possess anything like special superiority at the pail. She possesses a fair-sized and well-carried udder, but she has by no means the great depth and width in quarters which one naturally looks for in a heavy milker. For a cow capable of producing over six gallons of milk in a day, she is disappointingly light behind, being very short from the hip to the tailhead, and lacking in depth and fulness in the hind quarters. The cow is eight years of age. She produced during the day 6 1/2 gallons of milk and 4 1/2 lbs. of butter, or an average of 1 lb. of butter to every 1 1/2 gallons of milk.

JAMES DOUGLAS' SHORTHORN CATTLE AND LEICESTER SHEEP

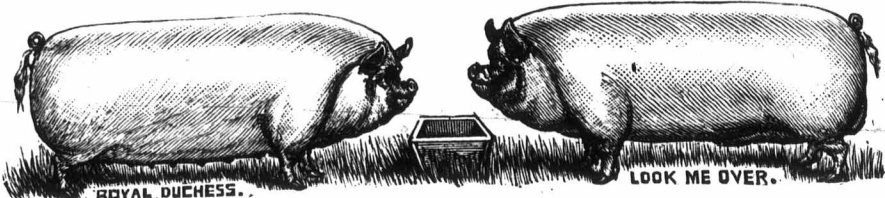
It will be remembered that when Mr. James Douglas, of Caledonia, Ont., disposed of the bull Duncan Stanley, to his breeders, Messrs. W. & J. Russell, his stall was at once occupied by imp. Christopher 28859, by Emancipator (65147), and out of Fairy Girl, by Gravesend, tracing to the Fair Queen and Lovely tribes. Shortly after his importation by Messrs. Cargill, we had the pleasure of seeing him, and again at recent date. Christopher has grown into a bull of smooth proportions, with excellent character, and as a few of his calves were on hand when we called, we had an opportunity of seeing that our predictions of a year ago were well fulfilled. He is mating admirably with the Duncan Stanley's daughters, and visitors to the farm will at once be impressed with the quality of the low-set, thick-fleshed calves owning Christopher as their sire. Uniformity of quality appears to be one of their strong features; yet we perhaps cannot attribute this all to one generation, as the Caledonia herd is perhaps one of the oldest and strongest bred in Canada. The best bulls in their day have been employed here, and many of the highest types of sires have gone out from this herd to do service. When we called, Mr. Douglas had a splendid bunch of 14 Duncan Stanley yearling heifers, a number of which are included in his offerings. Thirty-five or more breeding cows are constantly kept on hand in good breeding condition, and a good lot of calves of both sexes may always be found. A few choice Leicester shearing rams and ewes and this season's crop of lambs are held for sale. See Mr. Douglas' offerings in another column.

H. GEE & SON'S SHROPSHIRE, BERKSHIRE AND B. P. ROCKS.

The firm of H. Gee & Son, Fisherville, Ont., have become closely identified with the breeding, more especially of typical Barred Plymouth Rock fowls, Shropshire sheep and Berkshire swine. They have gone to unlimited trouble and expense to obtain and produce the best and truest Barred Rocks, having imported from the flocks of breeders of such national repute as Bill Conger and Leffel, whose specialities have won continental fame. The firm in question have been breeding for a specific type, and have on hand a large flock of a prolific race of well-feathered birds of rich and uniform barring. Their last season's trade sent birds into all sections of the Provinces, and reduced their flock to its working capacity. This season the firm have upwards of a hundred cockerels for disposal, also a large number of females. A few choice White and Buff Rocks and Pekin ducks are also bred to meet a demand which their reputation has gained. In Shropshire sheep, the firm are prepared to dispose of a shearing ram and seven ram lambs, the latter sired by a straight, even sheep, bred by the late James Cooper, Kippen, from imported foundation. Two litters of Berkshire pigs were on hand at the time of our visit, which were strong in the blood of our sire, which were strong in the blood of the late J. G. Snell. Though very young, they were uniform and well marked, of good length, and thrifty. Watch the firm's offerings.

Summer Hill Herd

HEADQUARTERS FOR THE IDEAL BACON HOG.



The largest herd of pedigreed Yorkshires of the large English type in Canada. Purity of breed, size, and general excellence is my motto. One hundred awards with one hundred and five exhibits at 7 shows in 1896. A choice selection of young boars and sows of all ages for sale; also boars fit for service, and pregnant sows. Fifty breeding sows, of which 25 (twenty-five) are imported; also three imported stock boars bred by such noted breeders as Sanders Spencer and Philo L. Mills. Am also using two Canadian-bred stock boars, first prize at Toronto in 1898-99. Express charges prepaid. All stock carefully shipped and guaranteed as described. Telephone, Millgrove, Ont. Telegraph 254 Bay St. S., Hamilton, Ont. o
D. C. FLATT, MILLGROVE, Ont.



RAPID-EASY GRINDERS

Will do **More Work** with the Same **Power** than **Any Other** machine. Scores of letters from customers all over the country confirming this statement.

It **WILL PAY YOU** to use this Grinder.

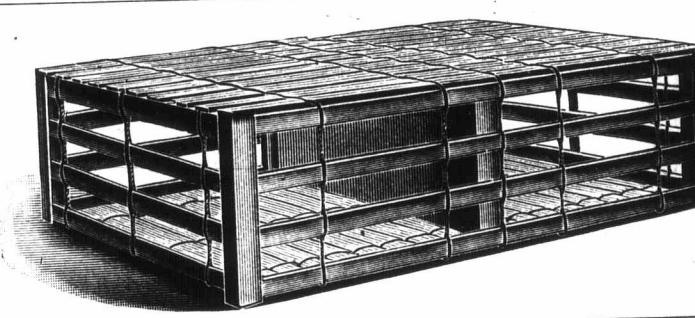
We should be glad to give further information in regard to the . . .
"Rapid-Easy" Machines.

J. FLEURY'S SONS,
AURORA, ONTARIO.

Medals for plows, World's Fair, Chicago and Paris.

Poultry Shipping Crates.

The lightest, strongest and best crate for shipping poultry made. For full particulars, address,



C. J. Daniels,
o Toronto, Ont.

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THE LEADING BUSINESS TRAINING INSTITUTION OF AMERICA.
Over 33,000 students in profitable employment in different parts of the world. o
WILLIAM F. JEWELL, Pres. o **PLATT R. SPENCER, Secy.**

Why Not Build

YOUR OWN
COILED STEEL SPRING FENCE
The Strongest and Most Durable Frost-Proof Wire Fence Known . . .

SAVE AGENTS' AND FACTORY PROFITS. BUILD IT YOURSELF WITH THE

LONDON FENCE MACHINE

JUST OUT!

The Fastest and Cheapest Machine in America. Anyone can operate it, and weave 40 to 60 rods per day. EVERY MAN WHO OWNS A FARM SHOULD HAVE ONE. It is built of malleable iron and steel. Its stays do not slip or warp the fence. Don't fail to get a catalogue and price. Manufactured by

THE LONDON FENCE MACHINE COMPANY,

Mention the **ADVOCATE** when writing. Patented in Office: 151 YORK ST., London, Ont.
Responsible agents wanted. Can. and U. S.

A mammoth rabbit farm is to be established in Schuylkill County, Pa., to be stocked with 27,000 jack rabbits from the Dakotas and 900 pure-blooded Belgian hares.

The conditions for the milking trials at the London, Eng., dairy show are as follows: One point is given for every day since calving, deducting the first 40 days, with a maximum of 11 points; one point for every pound of milk, taking the average of two days' yields; 20 points for every pound of butter-fat produced; four points for every pound of "solids other than fat." From the total thus obtained, there are deductions of ten points every time the fat is below three per cent., and ten points each time the "solids other than fat" fall below 8.5 per cent.
Prof. C. F. Curtiss writes thus from the Iowa Agricultural College: "I notice that you announce that John A. Craig has resigned to

accept a position at Cornell. This is a misunderstanding. We have two Craigs, John A. Craig, of our Animal Husbandry Department, and John Craig, of our Horticultural Department, and John Craig has resigned to accept a position at Cornell, but John A. Craig will remain with us. At a recent meeting of the Board of Trustees he was made Assistant Director of the Experiment Station, in addition to his duties as Professor of Animal Husbandry. His work has been so closely related to mine and he has rendered such good service in the general work of the Station and College that this recognition was well merited. Prof. John Craig, of the Horticultural Department, has also rendered excellent service, and the West can ill afford to lose so good a man, but the position tendered him at Cornell is one of the best in the country and the salary is about \$1,000 in advance of what he was receiving here."

ADDRESS  **Belleville Business College.**
 BELLEVILLE, ONTARIO.
 FOUR WELL-EQUIPPED DEPARTMENTS.

NOW OPEN.
 FALL TERM IN THE
Central Business College,
 TORONTO.
 Enter any time. Ten teachers. Sixty type-writing machines. Unexcelled facilities for assisting graduates to positions. Write for calendar. **W. H. SHAW, Principal.**
 Yonge and Gerrard Sts., Toronto.

ONTARIO BUSINESS COLLEGE
 BELLEVILLE, ONTARIO.
 Send for the illustrated catalogue for 1900; 152 pages, especially interesting (32nd year). Address—
ROBINSON & JOHNSON, F.C.A.

You can, by attending the **FOREST CITY BUSINESS & SHORTHAND COLLEGE**
 London, Ont., acquire a good knowledge of business and shorthand within a reasonable time. Practical teaching. Good equipment.
J. W. Westervelt, Principal.
 BUSINESS EDUCATION.

CENTRAL Business College
 STRATFORD, ONTARIO,
 sends out a very handsome prospectus to all who are interested in securing a business or shorthand education. Write to **W. J. Elliott, the Principal,** for one. This College has the reputation of being a first-class institution.
 The Fall Term Opens on Tuesday, Sept. 4th.

"'Tis Better to Have and Not Need, Than to Need and Not Have."
 When it looks like rain you carry an umbrella. Some time ago it looked like "business." Those who took our advice and carried a business education are getting the benefit. Those who didn't, wish they had. Get an education that will be of use to you all your lifetime. Our business course is just what you need. Send for catalogue, which contains full information regarding this course, to the

NORTHERN Business College
C. A. FLEMING, PRINCIPAL,
 OWEN SOUND, ONT.
 Spring Term begins April 17th, 1900.

THE Waggoner Ladder Company, Limited,
 LONDON, CANADA,
 Manufacturers of the **Waggoner Extension Ladder,**
 Also **Extension and other Step Ladders, etc.**
 Only first-class goods. The "Waggoner" is the only satisfactory Extension Ladder made. Light, strong, convenient, and cheap. For stacking, or for picking apples and for general use about the farm, the Waggoner Ladder is unequalled. Made in all lengths. Write for catalogue and price list.
 Write us for catalogue and price list, free. Be sure to see our exhibit at the Fairs. Ask your local hardware merchant for our goods.

STAY AT HOTEL LELAND
 The Leading Hotel of the West.
 ALL MODERN CONVENIENCES. RATES, \$2 TO \$4 PER DAY. BUS MEETS ALL TRAINS.
W. D. DOUGLAS, Prop., Winnipeg, Man.
 PLEASE MENTION FARMER'S ADVOCATE.



Won't Scratch Linoleum

When you use "Sobrite" you don't need soap or brush on the linoleum. It saves time, saves the pattern, brightens, cleans. Will not injure the hands. Sold everywhere.

SOBRITE 10 CENTS
 Rapid action cleaner will not scratch

GOSSIP.

H. BENNETT & SON'S BERKSHIRES AND B. P. ROCKS.

At Henry Bennett & Son's stock farm, at St. Williams, Ont., we recently saw a choice lot of young Barred Plymouth Rocks, which the firm will include among the offerings later. The Berkshire trade during the past season has been exceptionally good. The firm are sold out closer than ever before in our knowledge. We found their brood sows in prime breeding form, and due to farrow to the imported boars during the fall.

COTSWOLD SHEEP AT JOHN C. ROSS', NEAR JARVIS, ONT.

While in the vicinity of Jarvis, Ont., we were directed to the stock farm of Mr. John C. Ross, where we saw a splendid lot of Cotswold sheep. In former years Mr. Ross' father imported Clydesdales and Cotswolds extensively. A few Shorthorn cattle also receive attention. The present flock of 25 breeding ewes were mated to Garbutt, Snell and Fitch sires, and a few choice shearing rams and ram lambs are held for sale. A young Shorthorn bull, a son of

Duncan Stanley, and out of a cow of Baker importation, is also held for sale in serviceable condition. Mr. Ross informed the writer that he would dispose of a registered Clyde mare later. See ad.

JAS. S. FLEMING'S SHORTHORN CATTLE.

In 1893 Mr. Jas. S. Fleming, whose post office address is Gill, Ont., laid the foundation of a Shorthorn herd in a selection made which was strong in Isabella blood. Having had access to such noted sires as Duncan Stanley, Kinellar of York, and bulls having Marr Missie blood in their veins, the reader will at once recognize the value of the progeny of such retained on the farm. When we called in August, we found the herd in nice working order, with much attention devoted to the younger stock for local show purposes, and which exhibited in a marked degree their early-maturing and thick-fleshing qualities. Mr. Fleming states in his ad. that he is prepared to dispose of a few choice young things, the breeding of which should readily attract the attention of those most familiar with Shorthorn pedigrees.

Mr. Fleming enjoys a local reputation as a live-stock auctioneer of no small ability, which profession occupies a portion of his time.

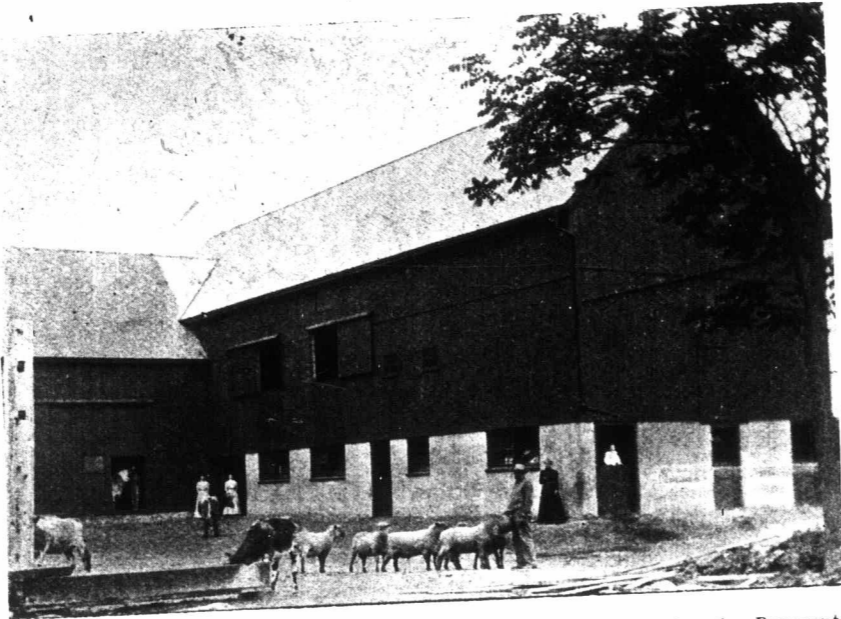
MESSES. T. LLOYD-JONES & SONS' SHROPSHIRE SHEEP AND GALLOWAY CATTLE.

The firm of T. Lloyd-Jones & Sons, of Burford, Ont., have become known to readers of the FARMER'S ADVOCATE as breeders of Galloway cattle and Shropshire sheep. When we called in August, we found the firm well equipped for a large season's trade in sheep, and as they hold nothing in reserve, an exceptional opportunity is afforded to obtain gilt-edged foundation stock, or material to strengthen an already founded flock. The present crop of lambs and shearlings were sired by the imported ram which Mr. Brethour purchased in England for them, which has been highly satisfactory as a sire of strong, good-fleeced stock. Thirty of the 150 head are shearing ewes, which should be eagerly sought, as there is no surplus of Shropshires of this age in Canada. Among the Galloways we saw a few choice young things of both sexes, which will be included among their later offerings. The firm have under way for the winter shows a few exceptionally choice half-breeds, which are full of the quality peculiar to the Galloway cattle when crossed on other beef breeds, and these were out of good Shorthorn grades. Note the firm's offerings.

J. V. COOPER, OF PICTON,

BREEDER OF SHORTHORN DURHAM CATTLE
AND OXFORD DOWN SHEEP, ALSO SPEAKS
VERY HIGHLY OF BATTLE'S

Thorold Cement.



Barn of J. V. Cooper, Picton, Ont. Size, 31 and 46 ft. in width by 100 ft. in length. Basement, walls and floors built with Thorold Cement.

Read what J. V. Cooper says about Battle's Thorold Cement:
PICTON, ONT., Aug. 6th, 1900.

ESTATE OF JOHN BATTLE, Cement Manufacturers, Thorold, Ont.:
DEAR SIR,—It is with pleasure that I testify to the good qualities of your Thorold Cement, having used last season 160 bbls. in construction of basement walls and floors for barn, under supervision of Mr. J. Watson, a very competent man. Size, 31 and 46 ft. in width by 100 ft. in length. In basement are 19 sashes—6 lights 12x16—which makes basement both pleasant and healthy. While constructing, some were very little in favor of rock cement, but now they all make the same expression—both farmers and mechanics—and say that it is the finest basement they were ever in. As regards both wet and frost last winter, it proved entirely satisfactory; therefore I can honorably recommend it to any person for building concrete walls or floors.
Respectfully yours,
J. V. COOPER,
Breeder of Shorthorn Cattle and Oxford Down Sheep.

Correspondence solicited.

Estate of John Battle, Thorold, Ont.

THE NATIONAL FARM Cream Separator

Manufactured by the Raymond Mfg. Co. of Guelph, Limited, manufacturers of the celebrated Raymond Sewing Machines.



THE National is an up-to-date machine, leading all others in separating cream by centrifugal force. It is the farmers' choice, because it runs easy, skims fast and clean, and makes a perfect cream, containing any per cent. of butter-fat desired. It is also easier to clean than any other. The National is built of the very best material suitable for the construction of a high-speed machine, and with proper care should last a lifetime. The bearings are interchangeable and easily adjusted. Every machine is guaranteed to do good work, and a trial of the "National" is solicited before purchasing any other. The already large sale of the "National" and the growing demand for it, shows how much the Canadian farmers appreciate a Canadian-made machine that does its work so easily and well, and at the same time returns such a large profit on the small investment. Ask for the "National"; try it and buy it.

THE CREAMERY SUPPLY CO.,
GUELPH, ONT.,
General agents for Ontario.

MESSRS. CAMPBELL & GLENN,
381 TALBOT ST.,
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Agents for the Counties of Middlesex and West.

"NATIONAL" NO. 1 HAND POWER.
Capacity, 325 to 350 lbs. per hour.

The Raymond Mfg. Co'y of Guelph, Ltd.
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PIANOS AND ORGANS

Built to Last a Lifetime by the
Largest Makers of Pianos and Organs in Canada.

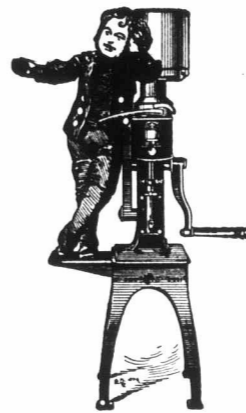
The Bell Organ & Piano Co., Ltd.,
GUELPH, ONT.

THE NEW CENTURY ALPHA BABY Cream Separators

Have never been beaten!

AN EVERYDAY STAND-BY. SEE HOW IT TURNS UP.

SHELBURNE, JUNE 18, 1900.



The Canadian Dairy Supply Co., Montreal:
GENTLEMEN,—I have bought a No. 2 Alpha Separator from your agent, Mr. Hugh Taylor, of Shelburne, Ont. It is now working four months, and I am pleased to give you this testimonial.
Last March I got a DeLaval on trial, which was satisfactory. Just then the Melotte agents from Dundalk got me to try a No. 1 Melotte separator, saying it would "beat the DeLaval, as it had done often before." But it came far from giving the results which they claimed for it. My barn is about 8 rods from the house, and the weather being very cold at the time, I found the Melotte separator would clog at times as the milk was a little chilled. The agents then brought a No. 2 Melotte, which gave the same results. I found that the discs in the Melotte separator would start and clog, commencing at the bottom and continuing upwards the longer you skimmed. As a result of the trial, I bought a DeLaval, and would advise my fellow farmers to try a DeLaval Separator before buying any other, as it is a machine that is well constructed, and will skim milk at any temperature and not clog.
Yours truly,
SILAS MYERS.

CANADIAN DAIRY SUPPLY CO.,
327 Commissioners Street, MONTREAL.

HIGHEST HONORS EVERYWHERE

PRESENTED TO

Massey-Harris Co., Limited,

as Manufacturers of the best Farm Implements in the world.

MASSEY-HARRIS CO., Limited,

AWARDED

GRAND PRIZE

AT THE PARIS, FRANCE, EXPOSITION

AND

GRAND GOLD MEDAL

AT THE VERONA, ITALY, EXHIBITION.

In each case this was the
HIGHEST AWARD OBTAINABLE.

PLEASE MENTION FARMER'S ADVOCATE.