

# THE FARMER'S ADVOCATE

PERSEVERE  
SUCCEED

## AND HOME MAGAZINE

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

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VOL. XXXIV. LONDON, ONTARIO. OCTOBER 2, 1899. WINNIPEG, MANITOBA. No. 487

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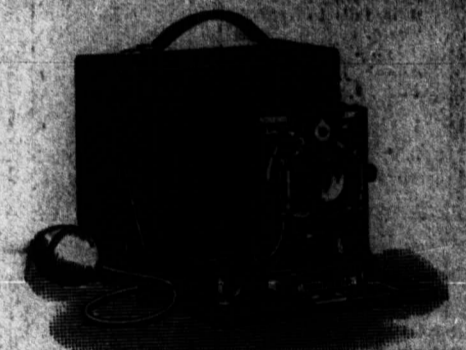
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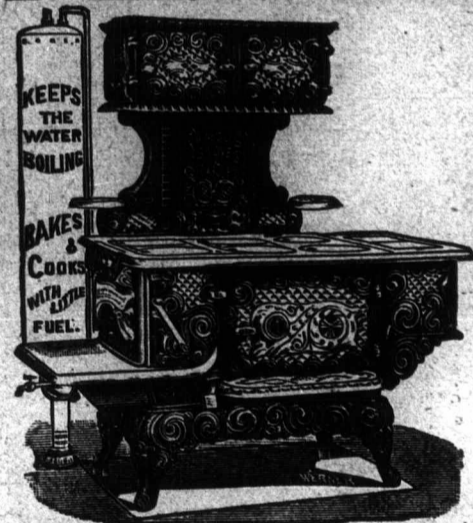
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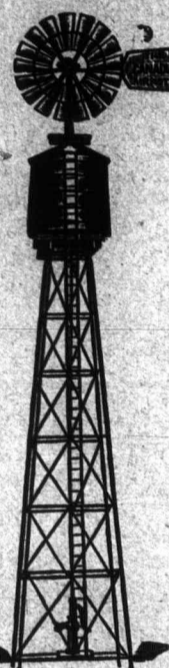
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# FARMER'S ADVOCATE

AND HOME MAGAZINE

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VOL. XXXIV.

LONDON, ONT., AND WINNIPEG, MAN., OCTOBER 2, 1899.

No. 487

## EDITORIAL.

### A Word with the Western Fair Directors.

In our report of the Western Fair attention is called to a complaint which we have heard from many quarters regarding the conspicuous position allotted to the side-show element, compared with that occupied by the magnificent display of agricultural machinery. Our enterprising manufacturers go to great trouble, and no little outlay, to make displays commensurate with the magnitude and importance of the industry, and we do not wonder at grumbling when we find the noisy "freak" fraternity occupying a choice position in the foreground, and actually blocking the way of the public to the machinery hall, which lies away back by the southern enclosure westward. The side shows are no credit to any high-class agricultural exhibition, and if a sort of necessary evil, then let them be all kept together, and shunted to the background, after some such plan as that pursued by the Toronto Industrial, so that people who do not crave that sort of thing will not have it thrust upon their notice to the prejudice of the substantial exhibitors. Another matter to which we must call attention is the reappearance on these grounds of the wheel-of-fortune gamblers, just across the way from the side shows, so that the unsophisticated had to run the gauntlet of the rock on the one hand and the whirlpool on the other. The wheel-of-fortune crowd, of whom there were several types, should be shut off the grounds altogether. Associated with each one of them were several "cappers," as they are called—in other words, decoys—employed by the principals, who manipulate the game so that the "capper" wins handsomely and is handed his cash with a great flourish, thus "roping in" a fresh lot of gullibles to try their "luck," for it is a dead sure game against them. We do not think that a fair which has attained the magnitude, excellence and substantial resources of the Western is in any way advantaged by the little revenue it gathers in from the parties running these disreputable games, the sole object of which is to fleece the unwary. Furthermore, they are illegal. By an Ontario Act of 1898 games of chance and gambling are prohibited at agricultural exhibitions, under heavy penalties. We would also suggest the desirability of taking such steps as will increase the number and character of what might be termed the industrial exhibits in the main building, which were this year not up to the mark. When an organization has been as liberal and progressive as the Western Fair Board has been in the past, we do not like finding fault, and only do so because we deem the points stated of sufficient importance to imperatively demand attention.

### A Scarcity in Hay.

In our September 1st issue, high prices for some time to come were foreshadowed for hay and other stock foods, owing to the drought in many localities and enhanced values for farm stock generally. Already we notice on a good many local markets that hay is selling higher than last season. According to an American contemporary, this condition is very much more marked through that great agricultural district known as the Middle West. "The more one travels," says the writer, "the more one is impressed with the scarcity of the hay supply. Even in the richest farming districts of Illinois no one has hay enough, and some of the largest farms have only raised a sufficiency to last their stock until Christmas. This, too, on farms that as a general thing have hay to sell. When hay is as scarce as this on farms that usually have a large surplus to dispose of, it means that before many months have passed prices for this indispensable article must reach a famine level. In England, the almost unpre-

cedented drought in the hay-growing months cut the British crop to a very material extent, and there will before spring be an excellent demand in Liverpool, Glasgow, and London for American baled hay. Nowhere does there seem to be much of a surplus—the entire world is short this year on the hay crop. It would therefore seem that those who have hay to buy for the coming winter's consumption would best contract for it without delay."

### Beekeeping.

Elsewhere in this issue we publish the first of a valuable series of articles on beekeeping, by Mr. Morley Pettit, son of Mr. S. T. Pettit, of apiary fame, whose right-hand man he has been for some years. By practical experience and research on a farm where the industry has been carried on most successfully, he is thoroughly up-to-date, and, withal, original in his methods, and readers engaged in or contemplating keeping bees, will, we feel sure, find his articles helpful. Rightly conducted in favorable seasons—because it is greatly dependent on natural conditions affecting bloom, etc.—the production of honey is a most interesting as well as a remunerative branch of agriculture. Skill and expert knowledge are essential to success, and it tends to a closeness of observation and care in manipulation, that afford a specially valuable training to those undertaking it. Mr. Pettit's first article deals with "Uniting Weak Colonies," and from issue to issue he will take up others of a seasonable character, so that in due course he will have fairly well covered the whole subject. We commend them to the careful study of our readers.

### Our Fruit Areas Developing.

Outside of the Dominion, what one hears of Canadian fruits seems to give the impression that their production in any marked degree of excellence is limited to a few favored localities, thanks to "Our Lady of the Snows" and kindred illusions fostered by ill-informed poets and others. We all glory in the beautiful Annapolis valley, with its wealth of orchards that an Edenite might envy; in the profusion of vineyards and peach plantations of the Niagara district; in the fancy fruits of its more recent competitor, the Essex area; in the fruit-laden slopes of British Columbia, and other localities that might be specifically named; but these do not constitute Canada the staple fruit producer any more than England makes up the British Empire. Thousands upon thousands of barrels of the choicest apples in the world, not to mention plums, grapes, pears, and berries, go from other countries to the great fruit-consuming centers; but now and then some new district suddenly and quietly forges to the front as a fruit-growing locality *par excellence*.

The report we give elsewhere from the Georgian Bay (Ont.) region, a few years ago would have made an incredulous world stare, but the crop there this season is of such marked excellence that, in conjunction with the general shortage of apples, the ordinary wholesale price in the orchards has been \$2.50 per barrel for winter fruit, while individual orchards have returned their owners as much as \$350 per acre, instances also being mentioned where as much as \$3,000 has been paid for the fruit of a single orchard. Those who a few years ago set out orchards of good varieties, and have properly cared for them, are now harvesting their reward, as our correspondent very well points out. The fact of the matter is that Canadian farmers generally are only beginning to realize the great natural possibilities that there are in fruit-growing. With present increase in home and foreign consumption of fruit, we need not fear overproduction, if by advanced methods the quality of fruit is improved and cold storage and transportation facilities are kept up to date.

### Prof. Robertson's Offer to the Boys and Girls.

Farmers' sons and daughters throughout Canada will be greatly interested in the letter which we publish elsewhere from Prof. Jas. W. Robertson, Canada's Agricultural Commissioner, offering \$100 in prizes for 100 selected heads each of wheat and oats. For particulars as to the division of the large sum mentioned, and the object in view, we refer our young readers to Prof. Robertson's letter.

### Farm Dwelling Competition Closed.

As has been announced for several issues of the FARMER'S ADVOCATE, the time for receiving the plans, photos and descriptions of farm residences for our prize competition has now expired. Judging from the large number we have received, the subject has awakened widespread attention, and we believe the publication of those selected will not only prove exceedingly interesting, but be of great practical service to farmers, particularly those who contemplate building in the near future or improving their present homes. The heavy task of passing upon the respective merits of the many plans sent in will now be undertaken, and the results we will make known at as early a date as practicable.

### An O. A. C. Graduate Goes to Michigan.

Mr. J. J. Ferguson, B. S. A., has received the appointment of Instructor in Dairying and Assistant Professor of Live Stock Husbandry at the Michigan Agricultural College. Previous to this autumn, comparatively little has been undertaken in dairying at that institution, but an appropriation of \$15,000 has been set apart for a new dairy building in which earnest work will be taken up, with Mr. Ferguson at the head. In live stock husbandry Mr. Ferguson will assist Prof. Herbert W. Mumford, the Professor of Agriculture. Mr. Ferguson is a '94 graduate of the Ontario Agricultural College, in which institution he enjoyed a brilliant career, winning a silver medal and numerous other good prizes. Since he was graduated he has farmed with his father at Smith's Falls, Ont., giving especial attention to dairying and the raising of pure-bred hogs. He has done considerable very acceptable service on the Ontario Farmers' Institute staff, and last year in the Maritime Provinces. He has also been a much-appreciated contributor to the columns of the FARMER'S ADVOCATE. We bespeak for Mr. Ferguson a marked success in his new field of labor, and congratulate the Michigan Agricultural College upon securing the services of a Canadian whose attainments and practical achievements indicate his fitness for the position.

### Retiring Officers Honored.

On the evening of the 13th, members of the Ontario Agricultural College staff assembled at the residence of Mr. Wm. Rennie, the retiring Farm Superintendent, who was presented with a beautiful cane, handed him by Prof. G. E. Day. The address, which was read by Prof. J. B. Reynolds, pointed out that the practical results of Mr. Rennie six years' work was a demonstration that scientific farming was synonymous with successful farming, and had done a great deal to popularize the Agricultural College with the farmers of Ontario. Mr. James McIntosh, who has for some 25 years served faithfully and well in the capacity of foreman of the Mechanical Department, is also retiring, and was presented with a handsome cane, handed him by Mr. C. A. Zavitz, the Experimentalist, a congratulatory address being read by Prof. H. H. Dean, of the Dairy Department.

President Mills, in regretting the departure of two such faithful officers from the institution, said he had no hesitation in declaring Mr. Rennie to be one of the best tillers of the soil on the continent. His system of cultivation and rotation had given the very best results, producing good crops every year and steadily improving the fertility of the farm.

**THE FARMER'S ADVOCATE**  
AND HOME MAGAZINE.  
THE LEADING AGRICULTURAL JOURNAL IN  
THE DOMINION.

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Address—THE FARMER'S ADVOCATE, or  
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## STOCK.

### A \$6.90 Bunch of Cattle.

Our regular letter from the Chicago stock yards in this issue refers to the sale of 17 head of cattle at \$6.90, the highest price paid there for seven years. They were fed by Mr. M. O. Sullivan, of Warland, Indiana. In breeding, these cattle were Hereford, Shorthorn and Angus grades, hence it will be seen that the glory must be shared by the three great beef breeds, and "honors are easy." Corn twice a day, with hay, constituted their ration, except while on grass, when they were given corn only once daily. With the exception of the last ninety days, when shelled corn was fed, the cattle had only ear corn the entire feeding period. They were on feed about sixteen months, and Mr. Sullivan estimates their gain at approximately 650 lbs. per head. The cattle, which were all bred in that immediate locality, were selected as yearlings.

### The Outlook for Horses.

"The great mining and agricultural development of the North-western States and Territories, added to the demands of British Columbia, has resulted in practically sweeping that part of the continent of the available supply of medium and heavy weight horses. Alexander Gibson, Vancouver, has lately been on a heavy-horse hunt from his own coast to the other end of Ontario, and he reports that the entire country seems to be bare of desirable work stock. Mr. Gibson supplied the White Pass and Yukon Railway with several hundred horses last year, and he also furnished many to the mining and transportation companies of his own section. The same people want horses in even greater quantities this year, and it is something of a problem to find them of the requisite quality and strength. There probably never was a year in which so many horses that would have once been sent to a trainer have instead put in their time in saving the crops and getting the farm ready for the coming year's productions: so it is not at all impossible that there will be a lot of plow-horse celebrities in the next few years' racing. While agricultural toiling is hardly an ideal way of developing speed and campaigning qualities, a surprising number of good performers have graduated from the plow and the mowing machine. And the ones that never had a chance to graduate probably came nearer earning their oats than many of their opportunity favored brethren."  
—The Horseman.

### "About Sheep and Dogs."

We reproduce the following letter from a recent issue of the Orillia, Ont., Packet:—

"SIR,—In that very excellent paper, the FARMER'S ADVOCATE, the number dated 1st September, I find an article headed 'Revival of the Sheep Industry.' An exceedingly timely and well-written article it is—too long to ask you to reprint, but a short extract from it will answer my purpose. The writer begins by stating as an evident fact that this year more thoroughbred sheep are being imported into Canada than for a long time past; speaks of the great triumphs won by Canadian sheep at the Columbian Exhibition, and the grand displays made year after year at our own leading exhibitions; these and many other matters are referred to, all of which furnish abundant evidence of the high-class character of our sheep, the undoubted skill of our shepherds, and the suitability of our climate, our soil, and our stock foods for the growth and development of sheep and the production of mutton and wool of the very best quality.' Then he goes on to say, 'In view of these facts, it is unaccountable that so few sheep, comparatively, are found on Canadian farms, that by a very large proportion of our farmers they are entirely neglected, and that the aggregate number of sheep in the Dominion has been steadily decreasing for the last fifteen years. We are confident this fact is not due to any general disability affecting the industry.' All this is very good and very true, except the last sentence; surely the editor or writer cannot be any way familiar with the conditions which prevail all over the Province of Ontario, at least, if not the whole Dominion; he ought to know, if he does not, that while sheep can be profitably raised and kept anywhere in the Province of Ontario under normal conditions, yet he must surely be aware that such normal conditions do not exist. On the contrary, a state of things prevails by authority of the law of the Province which renders it impossible for farmers to raise sheep in the same way as they may or can raise other live stock. I refer to what may aptly be called the 'dog nuisance.' Now, the best of dogs are the natural enemies of sheep, unless they be trained to a different line of conduct. In this Province the dog is sur-

believe that the dog or bench shows are not aided financially by the Legislature or Dominion Government in any shape or form, but we do believe that had some of our legislators displayed a little more backbone in strengthening the dog law by providing for the imposition of much higher fees, by permitting the destruction of dogs left at liberty to roam the country at nights, and fixing the damages to be allowed the owner of sheep killed or worried at their real value, the "dog nuisance" would long ago have been greatly abated, and the sheep industry—one of the most desirable in the country—would have been greatly encouraged. We trust that our readers will take up "Cultivator's" suggestion, and bestir themselves in order to secure effective legislation upon this subject. We should like to hear from others upon this question, so that its importance will be enforced upon public attention and effective steps taken to secure what is needed.

### A Reported New Move by the C. P. R.

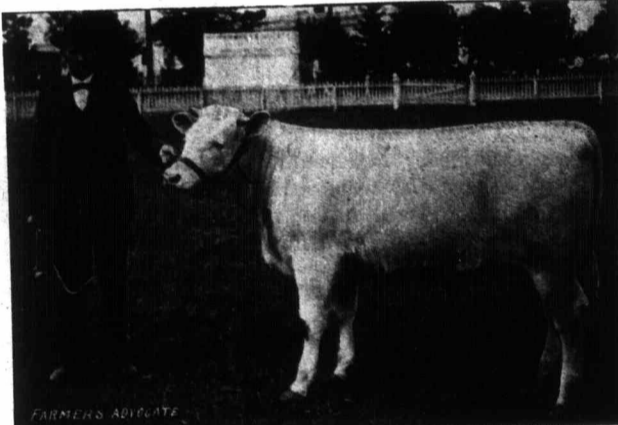
Montreal, Sept. 18th—(Special).—The Canadian Pacific Railway Company have just initiated a new policy with the object of improving the general condition of the live stock in the Northwest by the purchase of one carload of Shorthorn bulls and two cars of Berkshire and Yorkshire boars, including prizewinners at the recent Toronto Industrial Exhibition, for free distribution among Western farmers. A policy somewhat similar to this was once attempted on a limited scale along the Great Northern Railway by Hill, the railway magnate and colonizer of the North-western States. His idea was, that by the general use of good males of the beef breeds the number and quality of the cattle of the country through which his railways ran could be vastly increased, thus giving the roads a greater and better carrying trade out of the country. It was deemed a good investment to carry in the bulls and distribute them gratis under certain arrangements as to service fees, etc., with the parties keeping them. The C. P. R. people aim also at promoting the North-west swine industry as well as the cattle trade. Doubtless all available surplus bulls and breeding hogs produced by Manitoba and Northwest breeders will be secured by the C. P. R. in order to supply the growing needs of the Western country, which is filling up with great numbers of new settlers. But these would be only a "drop in the bucket"; hence the necessity for drawing upon Eastern herds. The first shipment from the East consists of 30 bulls and 82 boars, intended largely for the Mennonite Reserves.

[EDITORIAL NOTE.—Providing that the C. P. R. first utilize the available surplus bulls and boars produced by Manitoba and Northwest breeders, a grave objection to the scheme from a Western standpoint will be removed, otherwise it would be a direct interference with private enterprise by a railway corporation largely created out of public funds. Whether the Company's great expectations of benefit will be realized is another matter, dependent mainly upon the adoption of pure-bred methods and improved facilities and buildings for stock-rearing in the West. There is no question about the need for the more general use of pure-bred males, both East and West, and the advantages arising from the rearing of more and improved live stock, but for various reasons, as a rule, paternalism does not appear to give satisfactory or permanent results.

Since the C. P. R. are developing a new streak of generous enterprise, we would suggest that they can do a great deal to encourage and develop Western agriculture by reducing freight rates on the requirements of the farmers, for the transportation of stock to market, on lumber and building materials (as they have done standard grain elevators), and other ways, as Messrs. Lynch and Lister elsewhere point out in their somewhat vigorous and racy letters.]

### The New Brunswick Provincial Exhibition.

The great annual Agricultural and Industrial Exhibition of New Brunswick was held in the City of St. John, September 11th to 20th. The weather was ideal throughout, the attendance in advance of any former year, and the entries more numerous than in any year in the history of the Association. The live stock exhibits have increased in number and improved in quality every year, and the representatives of the dairy breeds of cattle shown here compare very favorably with those at the leading shows in any of the Western Provinces. The beef breeds are fast gaining ground also, and there were a number of high-class animals shown in most of the classes. The beef breeds were judged by Mr. Arthur Johnston, Greenwood, and the dairy breeds, sheep and swine by Mr. J. C. Snell, London.



SHORTHORN STEER, ELEVEN MONTHS OLD.

Won first prize at Toronto Industrial. Sire Golden Robe; dam Crimson Gem.

BRED AND OWNED BY ISRAEL GROFF, ALMA, ONT.

rounded many times over by more legal protection than is the sheep. The dog is so protected by law that it is almost illegal to throw a stone at him. He has the right to run freely everywhere, even into your kitchen, and to steal your Sunday dinner, and the only remedy is that the owner (if you can find him) is liable for damages. So in his dealings with sheep, the dog may at any time enter a man's sheep field and destroy right and left, and the only recourse is, 'follow him up and find out the owner,' and make the latter, if he has any means, pay damages; or if the owner cannot be found, the municipality may be required to pay a certain fixed sum per carcass for the sheep destroyed, which fixed sum is generally under and often not a tithe of the value. Most of these wretched animals are practically ownerless, and live on the public. But who dares interfere with them? An amended dog law is much needed for this Province, and farmers should at once bestir themselves toward getting such on our statute books. It would be more valuable work for our Legislature than the encouragement of 'Bench Shows' and such like abominations. The mongrel cur is bad enough on sheep, but the big thoroughbred fancy dogs now in fashion are much worse. CULTIVATOR."

The FARMER'S ADVOCATE is well aware that the wandering dog has been a great menace to sheep husbandry, as some of our staff know to their cost; but even despite occasional losses, the industry is found most advantageous and decidedly profitable. We do not include the "dog nuisance" among the natural conditions of Canada which are so favorable to sheep rearing. (In Manitoba and the Northwest the great detriment is the destructive coyote.) In the next place, our observation is that the damage is mostly done by the half-starved mongrel, more than one of which are sometimes harbored by poverty-stricken villagers or country people who ought to know better and who have no use for them. We

SHORTHORNS

were shown by Hon. M. H. Cochrane, Hillhurst, Que.; F. G. Bovyer, Georgetown, P. E. I.; C. A. Archibald, Truro, N. S.; and C. W. Holmes, Amherst, N. S. Two extra good bulls were shown in the section for bulls over 3 years old. These were Bovyer's white Silver Chief, by imp. Indian Chief, and out of imp. Mimosa, and Archibald's roan, Robert the Bruce, from the same dam, and sired by imp. King James. The former was the 1st prize and sweepstakes winner here and at Halifax last year, and was awarded the same honors at St. John on this occasion, though he found a lusty rival in his big brother, who has vastly improved since last year, when he was shown in ordinary field condition at Halifax. He was only in very fair condition at this show, having been only two months in the possession of his present owner, and would have made it exceedingly interesting if he had been in show fix. He is a big bull, of fine character and quality, on short legs, with straight lines, long, level quarters, and big thighs, and handles to suit the most fastidious. The white bull is also low-down and deep-bodied, has the best of handling qualities, smooth shoulders, full neck veins, and a capital class of flesh, and lots of it. His quarters and thighs are also first-class. The judge was enthusiastic in his admiration for this one of the last of the winning sons of "the old bull," who had a trick of siring that sort, but there were many others who could see nearly, if not quite, as much to commend in his brother Bob. Mr. Cochrane showed two 1st prize winning bulls, both imported—the roan 2-year-old, Flower Crown, bred by Mr. Graham, of Cumberland, a bull of good quality and character, which headed the 1st prize herd here and at Sherbrooke the previous week, and the roan yearling, Scottish Hero, bred by Mr. Duthie, sired by Scottish Archer, and out of Missie 134th, making him almost full brother in blood to the Royal champion, Marengo. Scottish Hero is one of the very best young bulls seen out at Canadian shows this year, certainly the best yearling. He is wonderfully well furnished for a bull of his age, has fewer faults and as many good qualities as any bull in the competition here, and one wonders why he was denied the championship. C. W. Holmes had the 2nd prize 2-year-old bull, Hillhurst the 2nd prize yearling, and Bovyer the 1st prize bull calves in both sections over 6 and under 6 months with capital calves by Silver Chief, Hillhurst winning 2nd in the former, and Archibald in the latter.

Archibald had the 1st prize cow and sweepstakes female in his handsome, smoothly-turned and well-proportioned white cow, bred by D. Alexander, Bridgen, from his excellent Lustre family; 2nd prize going to Cochrane's imported Vain Belle, bred by Mr. Duthie, an elegant young cow by Scottish Archer, and her dam by Field Marshal. Hillhurst had the 1st prize 3-year-old cow in the massive and well-fleshed roan, Alpine Beauty, and 2nd in Freedom, another excellent imp. cow, bred by Mr. Arkell, of Gloucestershire. Mr. Holmes won 1st for 2-year-old cow in milk, and Mr. Cochrane for 2-year-old heifer. The Island herd of Mr. Bovyer scored in the yearling heifers with a low-set, thick-fleshed imp. heifer, of fine quality and good parts, imported last year by Mr. Johnston; and Archibald had a good 2nd in a roan heifer of strong character and good quality, bred in the Greenwood herd. Bovyer won 3rd prize with an excellent white one by the champion bull. Holmes scored 1st and 3rd for heifer calves under a year, and Cochrane 2nd. Bovyer 1st for heifer calf under 6 months; Holmes 2nd; Archibald 3rd. The open herd prizes went 1st to Cochrane, 2nd to Bovyer, 3rd to Archibald. Breeders' young herd—1st to Bovyer, 2nd to Cochrane, 3rd to Archibald. The special prizes given by the Dominion Short-horn Association for the best young herd, 1 bull and 4 females, bred by the exhibitor, were awarded 1st to Bovyer, 2nd to Holmes.

HEREFORDS.  
Mr. W. W. Black, Amherst, N. S., showed a first-class herd, headed by the elegant bull, Sir Horace, probably the best of the breed in the Dominion. He is a bull of typical breed character, well balanced in all his parts, carrying an abundance of first-class flesh on strong, straight legs, and has every appearance of usefulness. He has proved a high-class sire, his offspring being of uniform type. The females in the herd are of uniformly good quality and form, and Mr. Black's herd would rank high in comparison with any on the continent. He was awarded all the prizes he competed for, including the 1st prize for cow Barbara and 2nd for Lilly Wilton, the sweepstakes for the best male and female, and the two herd prizes. A. S. Fillmore, Southampton, N. S., won the 3rd prize

for aged cow and 1st for yearling bull with very good animals.

GALLOWAYS

were well represented by the herd of Senator Ferguson, of Charlottetown, P. E. I., whose cattle were brought out in good, thrifty, vigorous condition, and show strongly all the best qualities of the breed, being good feeders, smoothly turned, evenly fleshed, and having grand coats of hair. The bulk of the prizes went to this herd, including the sweepstakes and the herd prizes.

DEVONS

were shown by C. A. Archibald, Truro, N. S., who has a nice smooth herd, of uniformly good type, and he was awarded all the prizes he entered for.

POLED ANGUS

were shown by R. H. Pope, Cookshire, Que., whose herd shows good breeding and form, but were shown in only field condition and lacking the luster which comes from careful preparation. James B. Adams, Bon Accord, N. B., also showed a nice herd in good condition, and won 1st on cow over 4 years, 1st on yearling heifer, 2nd on aged bull, and the sweepstakes for best female.

RED POLED NORFOLK CATTLE

were shown by Geo. A. Perley, Maugerville, N. B., whose cattle were much admired, having the appearance of being heavy milkers, and at the same time being good feeders which would put on beef rapidly when dry. He was awarded all the prizes his entries called for.

AYRSHIRES.

The competition in this class was very close and keen, and the animals exhibited would have won a good share of the prizes in any of the leading shows in the Dominion. The principal exhibitors were: F. S. Black, Amherst, N. S.; C. A. Archibald, Truro, N. S.; M. H. Parlee, Sussex, N. B.; J. A. Ferguson, Charlottetown, P. E. I.; S. Creighton, Silver Falls, N. B.; and McIntyre Bros., Sussex Corner, N. B. The herds of the three first named had been strengthened during the past year by importations

lee's imported Bessie IV. of Auchenbrain, bred by Mr. Wallace, a strong, robust cow, of fine form and quality, with good milk vessel and teats, was placed 1st. Black's Ethel, a good sort, though with a less evenly shaped udder, was 2nd, and the 3rd went to the same exhibitor for imp. Jennie of Laurieston, a heifer of fine character, which, if she were fresh, would no doubt make it interesting for her rivals. In 2-year-old cows in milk, Archibald was 1st with Pearl of Burnside, by Silver King, bought at the Drummond sale last winter, and only 2nd to Nellie Osborne's daughter in many competitions in the West. She puts up a very shapely udder, and is a very promising young cow. Second in this section went to Creighton. Two-year-old heifers were an interesting section, there being two charming imported heifers in it—Black's Emma of Nethercraig and Parlee's Pandora of Monkland, a heifer of very stylish type, which, if she had been further advanced in calf, might have taken the lead; but Mr. Black's heifer showed more depth of body and development of udder, and she was given 1st place. In yearling heifers, Archibald came to the front with Gurta of Truro, a capital heifer of his own breeding, beating his imported heifer and several other good ones. Black won 2nd and Parlee 3rd. In heifer calves over 6 months, Black was 1st and 2nd; and in calves under 6 months, Parlee was 1st and Black 2nd.

Parlee's cow, Bertha of Plantagenet, was the sweepstakes female. The open herd prizes went 1st to Black, 2nd to Archibald, 3rd to Parlee. The breeder's young herd prizes were awarded—1st to Black, 2nd to Parlee, 3rd to Archibald. The special prizes for the best bull and cow owned in New Brunswick were awarded to Mr. Parlee.

JERSEYS.

There was a large entry of Jerseys, and a large proportion of the animals shown were of high-class quality. Competition was close in most of the sections, and the prizes widely distributed, though the herd of Mr. E. B. Elderkin, Amherst, N. S., carried the bulk of the best prizes. Among the other exhibitors were: S. Creighton, Silver Falls, N. B.; B. V. Milledge, St. John; Geo. B. Pickett, Oak Point; D. Connelly and G. F. Stephenson, Golden Grove; J. H. Reid, Fredericton; James Gilchrist, Norton; Joslyn Bros. & Young, and Wm. Mullin. Milledge scored 1st in the class for bulls over 3 years old with Exile of Willow Bank, a worthy son of the famous Exile of St. Lambert, sire of the longest list of tested cows to the credit of any Jersey bull. His dam is also a grand-daughter of old Exile, and he bears a strong resemblance to his sire, being robust and vigorous, of fine conformation and quality, and with fine hair and rich yellow skin. He is a high-class bull, and would rank high in first-class company anywhere. A good 2nd was found in Geo. Pickett's

entry. He has good form and quality, is richly bred, and should prove a successful sire. D. Connelly had the 1st prize 2-year-old bull, and a good one. Two superb young bulls competed in the yearling class, one of which was Elderkin's imported Bonnie View's Golden Lad, whose dam was by the famous Golden Lad of the Island, a handsome and stylish young bull, faultless in conformation and quality. He was placed 1st, and also won the male championship of the class. The other bull is a son of Milledge's Exile, and has much of the character and quality of his sire, is richly bred and as rich in the color of his skin. Dr. Gilchrist had the 1st prize bull calf—a very meritorious one, of fine form and quality; and Stephenson's entry was 2nd. In a strong class of cows, Elderkin's Rosabel, by Milledge's Exile, was placed 1st. Creighton's Phoebe Signal, a cow of fine form and quality, with a good vessel and veins, was given 2nd place; and Joslyn Bros. had an excellent young cow, which was ranked 3rd in excellent company. In 3-year-old cows, Elderkin was given 1st honors, and Gilchrist 2nd. Joslyn Bros. had the 1st prize 2-year-old cow, and also the 2nd. Elderkin came 1st in 2-year-old heifers, and Creighton 2nd. In yearling heifers, Milledge was 1st, Elderkin 2nd, and Mullin 3rd. In heifer calves, Creighton had a good 1st in a daughter of the 2nd prize cow. In calves under 6, Elderkin had a pretty 1st. The sweepstakes female was Elderkin's Rosabel, the 1st prize cow. The same exhibitor won 1st in the open herd competition, and also 1st for breeder's young herd, Creighton winning 2nd in the former section, and Gilchrist in the latter. For the best bull owned in New Brunswick, Milledge won 1st, and for the best cow, Creighton won.

HOLSTEINS.

There was a strong show in this class, the cattle being of a very fine class and brought out in capital



GROUP OF CATTLE EXHIBITORS AND ATTENDANTS AT TORONTO INDUSTRIAL.

from Scotland and the Western Provinces, and there were many animals of first-class type in the competition. Archibald scored 1st in aged bulls with Hoover of Maple Grove, McIntyre Bros. 2nd, and Ferguson 3rd. In 2-year-old bulls there was a close contest between Black's Matchless 2nd, the sweepstakes bull of last year, and Parlee's Isaleigh Earl, who has made great progress during the year and is a bull of excellent type and quality. Both are high-class bulls and rank among the best. They were placed in the order named. There was a new candidate for Canadian honors in the section for yearling bulls in Archibald's imported Howie's Stamp of Hillhouse, by White Cockade, and own brother to Kohinoor, the Scottish champion. He is an elegant young bull which was selected by Mr. F. S. Peer, and has ideal type and conformation combined with high-class quality. We doubt if there is his equal in the Dominion to-day, and if he goes on as he is doing he will make his mark for good in this country. He was awarded the male championship of the class. Second prize went to S. Creighton's entry. In bull calves under a year there were three capital numbers, 1st prize going to Parlee's, 2nd to Black's, and 3rd to Archibald's. The first two were closely matched, and the placing might be reversed without injustice. In bull calves under 6 months, Parlee had 1st and Black 2nd place.

In an excellent entry of cows 1st place was given to Parlee's Bertha of Plantagenet, bred by the late Wm. Rodden, and out of imp. Lady Grey. She is a handsome cow, with fine breed type and quality, deep ribs, level quarters, and a well-balanced udder and well-placed teats. She had, however, a very close rival in Archibald's Myrnie, bred by Morton, and out of the dam of Jean Armour, a successful show cow in Ontario. She was the 1st prize cow at Halifax last year over Bertha, but was not fresh on this occasion, and showed to less advantage on that account. Third prize went to Black's entry, a good sort also. In the section for 3-year-old cows, Par-

condition. The exhibitors were D. W. McKenzie, Nerepis Station, N. B.; Logan Bros., Amherst, N.S.; S. Dickie, Central Onslow; Chas. H. Ebbett, Lower Gagetown; Treadwell Bros., Manguerville; and A. McMichael, Harcourt, N. B. Dickie scored in aged bulls, with Treadwell 2nd, and McMichael 3rd. In 2-year-old bulls, Logan Bros. had an outstanding 1st in their elegant young bull, Piet Van Voran, one of the best we have seen out in recent years. He has excellent quality, fine dairy conformation, and combines beauty with all the indications of usefulness and quiet disposition, and was awarded the male championship; 2nd went to Dickie, and 3rd to McKenzie. Dickie had the 1st prize yearling bull, and Logan Bros. the 1st prize bull calf, McKenzie being 2nd in each case. Ebbett had the 1st prize bull calf under 6 months. In a capital class of cows, McKenzie's Electra won readily. She is a cow of great capacity, fine form and quality, and puts up a model shaped udder, with well-placed teats, and she comes of a good sort, her sire being Jacoba H's B. B., and her dam Clara Hampton, of similar character and quality, who, if fresh, would make it interesting for her doughty daughter, good as she is. Dickie had a grand cow for 2nd place. She is deep-bodied and level, has capital quality of skin and milk veins, but is dry at present. In 3-year-old cows, Dickie was 1st and McKenzie 2nd, with good ones both. Logan Bros. had a handsome cow for 3rd in this section, and also the 1st prize winner in that for 2-year-old cows. Dickie had the 1st prize 2-year-old heifer, and McKenzie the 1st prize yearling and heifer calf over 6 months. McKenzie's cow won sweepstakes as best female any age; and the prizes for herds, open to all, went 1st to McKenzie, 2nd to Dickie, 3rd to Logan Bros. The prizes for young herd were awarded as follows: 1st to Logan, 2nd to McKenzie, 3rd to Dickie. McKenzie won the prizes for best bull and best cow owned in New Brunswick.

#### GUERNSEYS.

R. H. Pope, Cookshire, Que., showed two useful bulls in this class, and won 2nd for aged bull and 1st for 2-year-old bull. Mr. E. R. Brow, Charlottetown, P. E. I., made a very fine display from his well-known herd, one of the very best in the Dominion, and won all the prizes for females for which he entered; also 1st prize for aged bull and sweepstakes for best bull any age, and for best female any age; also 1st prize for aged herd and for young herd. This herd has been strengthened during the last year by an importation of first-class females of fine dairy promise and superior quality, and now ranks among the choicest.

#### DAIRY GRADES

were shown in considerable numbers, and were of superior merit as a rule. The prizes were well divided between the following exhibitors: Wm. S. Dickie, C. W. Holmes, T. Cosgrove, Joslyn Bros., E. R. Brow, S. Creighton, and B. V. Milledge.

#### HORSES.

The show of horses was, as usual, limited in number, as compared with what is seen at Western exhibitions, and the average of quality will admit of much improvement, but there were some good specimens in most of the classes. Thoroughbreds were successfully shown by Dr. Gilchrist, Hackneys by R. McKay, Pictou, who had out the fine stallion, Kilwick Fireaway, winner of a long list of prizes, and looking fresh and fine. W. W. Black, Amherst, won 1st for best Hackney mare any age.

Carriage horses were strongly represented from the stud of J. S. Sanborn, Lewiston, Me., who showed a number of very fine French Coaches. Other winners in this class were: J. D. Reid, Fredericton; Leonard Wright, Golden Grove; L. S. Sentner, Charlottetown; Peter Trainer, Kingston; and W. F. Dockendorf, North River, P. E. I.; B. V. Milledge and Thos. Clark, Simonds, N. B. Clydesdales were exhibited and prizes won by H. R. McMonagle, Sussex Corner, and Robt. Wood, Mt. Herbert, P. E. I. J. H. Reid, Fredericton, showed his excellent Shire stallion, and won 1st prize.

#### SHEEP.

The sheep shown at the Maritime Provinces exhibitions are not as a rule as highly fitted as those seen at Ontario exhibitions, and some are brought out in what may fairly be called discreditable condition, though for the most part showing good breeding and fair quality. A little extra feeding and attention to preparation would make them more creditable to their owners and more worthy of encouragement by the offering of higher prizes.

#### COTSWOLDS

were shown by David Currie and Donald Innes, Tobique River, N. B., the former winning first prize for 2-year-old ram, and the latter 1st prizes in all other sections of the class. They were evidently well-bred sheep, but in only very ordinary field condition.

#### LEICESTERS

were well represented by selections from the flocks of Albert Boswell, Pownal, P. E. I., and M. H. Parlee, Sussex; W. Mullin, Westmoreland Road, and W. M. Thurrott, Manguerville, N. B. The sheep were mostly in good condition, those of the first-named exhibitor being well fitted, and the exhibits as a whole of good type and quality. Mr. Boswell captured the 1st prize in every section of the class but one, and Parlee all the 2nd prizes but one. Mullin won 3rd for 2-shear ram and for ewe lambs; and Thurrott had the 2nd prize shearing ram.

#### LINCOLNS

were exhibited by F. G. Bovyer, Georgetown, P. E. I., who showed a good, useful lot, in fair condition, and of good quality and breeding. He was awarded all the prizes for which he entered.

#### OXFORD DOWNS

were shown by F. G. Bovyer, P. E. I., and Jas. E. Baker, Barronsfield, and F. S. Black, Amherst, N. S., each of whom had well-bred and well-fitted sheep of fair quality. Bovyer was 1st with aged ram and ewe lambs. Baker 1st with shearing ram and shearing ewes, and Black 1st with ram lamb and aged ewes, and 2nd with aged ram and shearing ewes.

#### SHROPSHIRE

of excellent quality and type were shown by Albert Boswell, Pownal, P. E. I.; Hon. D. Ferguson, Charlottetown; and W. B. Mowat, St. Andrews, N. B., who secured 3rd prize for ewe lambs. Boswell had first prize winners in each section, and Mr. Ferguson 1st in 2-shear rams and shearing rams.

#### SOUTH DOWNS

of fair quality were shown by Guy Carr, Compton, Que., who was awarded all the 1st prizes.

#### CHEVIOTS

were shown by R. H. Pope, Cookshire, Que., and Guy Carr, who had the prizes divided between them.

#### DORSETS

were shown by W. D. Smith, Hoyt Station, N. B., who had a few very good ones, and was awarded all prizes he entered for.

#### SWINE.

There was a fairly good show in nearly all the classes of swine, the quality in most cases being very creditable and the pigs in good condition.

#### BERKSHIRES

were well represented by the exhibits of J. R. Semple, Brule, N. S.; M. H. Parlee, Sussex; S. E. Frost & Son, Hampton; and Chas. E. Ebbett, Lower Gagetown, N. B. The entries of the two first named were the best type, and would compare well



HOLSTEIN BULL, COUNT MINK MERCEDES 221.

Won first and sweepstakes three successive years. Headed first-prize herd two successive years at Toronto, London, and Ottawa.

OWNED BY MESSRS. G. W. CLEMONS & SONS, ST. GEORGE, ONT.

with most of those shown at leading shows in the West, being lengthy, smooth, and of fine quality. Parlee had the winners in aged boar, yearling boar, and boar under 6 months, in which section, as well as in yearling boars, Mr. Semple had no entry. Semple won 1st prizes for boar under a year, sow over 2 years, sow under a year, and sow under 6 months, and 2nd for aged boar, aged sow, and sow, under 1 year. Ebbett won 2nd on yearling boar, 1st for sow and litter, and 3rd for sow under 6 months.

#### YORKSHIRES

were well shown by J. W. Calbeck, Augustine Cove, P. E. I., whose hogs are up to the standard of the best in any country in type and quality, and were brought out in splendid condition. He captured seven 1st prizes and five 2nds. J. R. Semple, M. H. Parlee, C. W. Holmes, and Fred F. Holmes were also prizewinners in the class.

#### CHESTER WHITES

were shown by C. W. Holmes and F. T. Holmes, Amherst, N. S., who showed some really good ones and divided the prizes, six of the 1st prizes going to the former and three to the latter.

#### TAMWORTHS

were shown by C. W. Holmes and F. T. Holmes, Amherst; E. B. Brow and McIntyre Bros., Sussex, each of whom had excellent stock. C. W. Holmes won five out of the nine 1st prizes. McIntyre Bros. had the 1st prize yearling boar, and Brow the 1st prize boar under 6 months.

#### POLAND-CHINAS

were shown by C. W. Holmes, Amherst, who had some very good ones, and secured all the prizes he entered for.

#### DUROC-JERSEYS

were shown by Jas. E. Baker, Barronsfield, N. S.; Edward Baker, Amherst; and J. H. Reid, Fredericton. J. E. Baker won eight out of the nine 1st prizes, E. Baker one 1st and six 2nds, and J. H. Reid two 2nd prizes.

## Two Manitobans on the C. P. R.'s New Stock Distribution Scheme.

To the Editor FARMER'S ADVOCATE:

SIR,—I must say that it is a surprise to me, for I always thought that whatever faults the C. P. R. might have, foolishness was not one of them. But unless they are prepared to furnish free more pure-bred sires than are now purchased, it will have exactly the opposite effect to what they seem in their foolishness to expect. Evidently the breeders of Manitoba and the N.-W. T. can not compete with them on those terms, and must go out of the business. Incidentally it also furnishes an excellent argument for the advocates of expropriation of all railways at their actual value, or whatever the Government may choose to pay; it does away with any theory of vested rights. Still, it is not without its hopeful aspect; it looks as though the C. P. R. was the one corporation that had a conscience, and as though that conscience had been awakened. We have all seen men whose consciences had been awakened do most extraordinary things, and the greater the sinner he had been, the more extraordinary things he did, but eventually he would settle down into a good Christian. I say, therefore, it is a most hopeful sign that the time is coming when even a C. P. R. man may be a Christian. But, if they want to make any restitution to the people of this country, let them give them free boots and shoes and groceries, and carry their produce and purchases at something like fair rates, and they will benefit a hundred people in that way for every one they will benefit with their bulls and boars, and injure no one, and the people will soon be able to buy for themselves all the stock they want. Or perhaps a more practical solution of the difficulty would be for them, instead of calculating closely how much freight any article would stand, would be to discriminate in favor of the better stuff. I refer to animals. If farmers knew that a car of first-class animals would be carried for 25% less than second-class, or 50% less than third-class, there would be more first-class and less third-class stuff shipped; and I might just say here that a community that does not take enough interest in its stock to keep pure-bred sires in their neighborhood will not go a few miles to a free pure-bred sire, if there is a good grade much nearer.

I would commend this matter to the careful consideration of the pure-bred stock breeders of Manitoba and the N.-W. T., that they may be prepared to discuss it intelligently at our annual meetings or sooner.

WALTER LYNCH,  
President of Pure-bred Cattle Breeders' Association of Manitoba and N.-W. T.  
Westbourne, Man.

To the Editor FARMER'S ADVOCATE:

SIR,—Of course it is a burning shame if the C. P. R. goes into the unlimited distribution of live stock. It is doubtful if it would help the C. P. R. to spend a few dollars improving the stock of the country, especially among that class of men who would never use anything but the worst kind of mongrel if they had to pay for its use. Possibly if they get the Toronto winners for nothing, they might use them, even if the feed and care they would get would result in two generations in a more useless brute than they have now. "Old Waugh's" ironclad cow has still long probabilities of an unhappy existence.

I still think it quite possible that it is a false alarm that the C. P. R. would think of competing with a known existing and well-established industry. If there are Toronto winners going free, I would like a few of them, and consider I am better entitled to them, after paying some \$3,000 in freight on foundation stock from the East in the past ten years, than some mangy foreigner who will probably eat his beast while fat as received, or starve it to death for want of food.

W. S. LISTER,  
Middlechurch, Man., Sept. 20th, '99.

## The Western Fair.

President Gartshore, of the Western Fair, which was held in London, Ont., from Sept. 7th to 16th, was able to state at a meeting of the Directors, on the closing day, that the exhibition had been a most gratifying success. Although not quite up to last year in attendance, which was abnormally large because of the railway rate war, the Board will have a nice surplus after paying a liberal prize list and generous contribution for specialties.

It was in 1896 that the Directors undertook a rearrangement and reconstruction of the live stock and machinery buildings, which improvement has spread to every department, except the main building, or "Crystal Palace," until it would be difficult to suggest a more perfect arrangement of accommodation for products and manufactures connected with agriculture. This is the verdict of visitors at the close of the exhibition. Perhaps the chief improvement this year proved to be the re-placing and uniting of the agricultural, horticultural, dairy, apiary, and poultry-appliance buildings, which were arranged into one continuous building, extending along the north half of the western margin of the ground. The horticultural department occupied the northern portion of the building, and was arranged so that the fruit tables were handsomely decorated with rich bouquets. All railing and other obstructions to visitors were removed so that the exhibits could be examined and compared by those who wished to do so. The exhibit of apples was smaller than usual, but of good quality;

while the display of grapes, peaches, plums, etc., were both extensive and of high quality.

The agricultural exhibit of roots, vegetables, grains, etc., was well displayed by each class having separate tables. The entry, except in potatoes, was not large, but many wonderfully well developed samples were shown in all classes of roots, cabbages, etc.

Following the agricultural department came the dairy machinery and appliances and dairy products. The chief manufacturing firms represented were: R. A. Lister & Co., Montreal, with four complete separating plants, including hand, tread, steam turbine, and power machines of Melotte and Alexandra patterns. They also showed a circular milk and cream cooler, factory lift and force pumps, turbine and power testers of Lister-Girber, and Babcock sorts, Lister's cream pasteurizer, and sundry other articles essential to the modern dairy. Mr. A. O. Bobier, Exeter, showed Empire separators of farm size, which are made in Stockholm, Sweden. J. S. Pearce & Co. exhibited a full line of creamery and dairy machinery, including Canadian Ideal separators, butter workers, testers, etc. The Creamery Supply Co., of Guelph, attracted considerable attention with their National separator in two sizes, viz., 335 and 350 pounds per hour. Richardson & Webster, St. Mary's, presented to view the American separator in three sizes to suit creamery and home dairy purposes. London and Petrolia Barrel Co. showed double-lever, easy-running Queen churns on roller bearings. McClary & Co., London, exhibited a line of Samson seamless milk cans having one-piece bottoms, with smooth oval edges. Levey's Centrifugal cheese rack is a new thing which makes the turning of cheese on the shelves in curing-rooms an easy and brief matter. Messrs. Pearce & Geary made a full display of poultry appliances, including incubators, bone cutters, vegetable choppers, drinking fountains, egg cabinets, foods, medicines, insecticides, etc.

**THE HONEY DISPLAY**

was very tastefully arranged and rather more extensive and fine in quality than was expected this year of light honey production. The comb-honey sections were generally well filled with bright, attractive product. There was a fairly good display of apiary apparatus of modern design and recent invention.

**THE DAIRY DISPLAY.**

**CHEESE**

were less numerous than last year, but the quality was somewhat better. They were judged by Mr. Alex. McLaren, M.P., who used the following score card: Flavor, 40 points; texture, 25; body, 15; color, 10; make up, 10; total, 100 points. In the section for three cheese, made between August 1st and 16th, 1890, there were 15 entries. The following are the prizewinners, and the points made by each: 1st, Moses Knechtel, Dorchester, flavor 37½, texture 24½, body 14½, color 9½, make-up 9½; 2nd, Miss Mary Morrison, Newry—points won, 36, 24, 14½, 9½, 10; 3rd, Geo. A. Boyes, Mapleton—points won, 36½, 24, 14½, 9½, 8½; 4th, W. B. Thompson, Nile, 37, 23, 13½, 9, 10; 5th, W. D. Angus, Atwood, 35½, 23½, 13½, 9½, 9½; 6th, Philip N. Schavs, Alsfeldt, 35, 23½, 14, 9, 9½ points.

Three white cheese, made between August 1st and 16th—14 entries: 1st, Mr. M. Morrison, Harrison—points won, 37, 24, 14½, 9½, 10; 2nd, Miss Mary Morrison—37, 24, 14, 9½, 10; 3rd, Jas. L. Morrison, Woodstock—37, 24, 14, 9, 9; 4th, M. Knechtel—36, 24, 14, 9½, 9; 5th, John Connley, Malcolm—36, 24, 14, 9, 9; 6th, Geo. A. Boyes—36, 23, 13½, 9, 9½.

Four colored cheese, two made in June and two made in July, 1890—9 entries: 1st, Geo. A. Boyes—scores 91½, 91; 2nd, J. R. Murray, Paisley—scores 89, 89; 3rd, W. J. Atkinson, Kintore—89, 88½; 4th, J. J. Fisher, Willisroft—90, 88; 5th, W. D. Angus, Atwood—87, 87½; 6th, F. E. Kline—89½, 86.

Four white cheese, two made in June and two in July, 1890—7 entries: 1st, Miss Mary Morrison—scores 88, 91½; 2nd, J. B. Murray, Paisley—91, 87½; 3rd, Moses Knechtel—86, 88½; 4th, Mr. M. Morrison—87½, 86; 5th, Jas. T. Thompson, Hawkesville—88½, 84½; 6th, B. J. Connley, Thamesford—89, 82½ points.

Six Stilton, three made in 1890 and three in 1889: 1st, A. R. Curzon, Guelph, Ont.

Exhibit of cheese press, boxes and hoops—diploma: Chas. E. Guyer, Pt. Elgin.

Windsor Salt gold medal for best selection of cheese exhibited—Moses Knechtel, Thames Dairy Co., Dorchester, Ont.

**THE BUTTER**

was judged by Mr. Mark Sprague, Ameliasburg, Ont., who used the following score card: Flavor, 45; grain, 25; color, 15; salting, 10; and packing, 5; total, 100 points. In the section for creamery

butter in packages, not less than 50 pounds, there were 14 entries. The 1st prize was won by Mr. I. Wenger, whose entry scored as follows: 44½, 24½, 14, 9½, 4; 2nd, Jas. Ireland, Beachville—score 44, 23, 14½, 9, 5; 3rd, E. A. Scott, Vanneck—43, 23½, 14, 9½, 5; 4th, Edward Kingsbury, Whittington—43, 23, 13½, 10, 5; 5th, J. C. Bell, Winchelsea—43, 22, 13½, 10, 4½; 6th, F. J. Sleightholm, Strathroy—43, 21, 14, 9½, 5.

Creamery butter, 1-pound rolls or prints, 50 lbs., 12 entries—1st, I. Wenger, 44, 24, 14, 10, 5; 2nd, F. J. Sleightholm, 43½, 23, 14½, 10, 5; 3rd, J. C. Bell, Winchelsea, 44, 22½, 14, 10, 5; 4th, Wm. Halliday, Chesley, 41½, 24, 14½, 10, 5; 5th, John Ballantyne, Beaverton, 43½, 23½, 14, 9½, 4; 6th, Jas. Ireland, Beachville, Ont., 43, 22½, 13½, 10, 5.

Farm dairy packages, not less than 20 pounds, 6 entries—1st, Mrs. M. Burk, Bowmanville, Ont., 95½ points; 2nd, Chas. E. Rodgers, Dorchester, 95; 3rd, Jas. D. Malcolm, 94½; 4th, A. Elliott & Son, Galt, 94; 5th, J. W. Johnston, Sylvan, 93½; 6th, Carl Holm, Moltke, 93 points.

Farm dairy, 1-pound rolls or prints, 20 pounds, 9 entries—1st, Mrs. M. Burk, 95; 2nd, Chas. E. Rodgers, 94½; 3rd, Jas. D. Malcolm, 94; 4th, Miss Maggie Hunt, Dorchester, 93½; 5th, Mrs. Alex. Begg, Westminster, 93; 6th, Mrs. R. W. Paisley, Ilderton, 92½ points.

Farm dairy, 1-pound rolls or prints, 10 pounds, 6 entries—1st, O. E. Rodgers; 2nd, Mrs. M. Burk; 3rd, J. D. Malcolm; 4th, Maggie Hunt; 5th, Mrs. Alex. Begg.

Windsor Salt gold medal for best exhibit of creamery butter—Mrs. Isaac Wenger, Ayton, Ont.

**MACHINERY AND CONVEYANCES.**

The machinery building and ground space allotted to this department was taxed to their utmost to accommodate the very full lines of cultivating, harvesting, threshing and food-preparing machines placed on exhibition in operation and at rest. Most of the larger Canadian manufacturers, as well as several American companies, had full lines on display in charge of representatives who made it their

few other breeders with one or two entries each. The Toronto winner, Versatile, won 1st for Mr. Hendrie in the mature stallion section. He is not only a speedy fellow, having held the 1½-mile record made at the Chicago World's Fair in '93 till 1898, but he is a getter of speed, very handsome and strong. Dr. O'Neil & Co. won 2nd on Gold Fox, the 3rd going to the good horse, King Bob. Hendrie won 1st on the brood mare, Minnie Palmer, and 1st on her foal by Versatile. He also won 2nd on Woodbine, and 2nd on her foal by Derwentwater. His Queen's Plate winner, the 3-year-old mare, Butter Scotch, by Derwentwater, attracted considerable attention.

**ROADSTERS**

had a light entry in all sections except in the harnessed section for 3-year-old gelding or filly, in which six good animals competed. The four mature stallions shown were pronounced by the judge, H. B. Kennedy, London, as of only medium quality. The 1st award fell to Walter Thompson's upstanding, rather breedy horse, Walter T., by Almedium. The high-stepping and rapid-going gray stallion, Post Master, owned by J. H. Hill, Port Rowan, won 2nd. An Arabian-colored, solid-bodied pacer, General Amber, by Amber, won for his owner, Jas. Henderson, Belton, 3rd award. One 3-year-old and two yearlings were shown. The sweepstakes award went to Amos Cutter's yearling son of Chester, a neat and active bay. The harness sections were quite well filled, there being nine entries in the single section under 15½ hands. Wesley Nott, Clinton, won 1st; Ed. McClurg, Ivan, 2nd; and Jos. McKee, Denfield, 3rd. The section for horses 15½ to 16 hands had seventeen entries, a number of which were of very desirable pattern. Geo. McCormick, London, scored here on a beautiful and rapid gray. Hy. McClurg, Falkirk, and Ed. McClurg, Ivan, won 2nd and 3rd. There was a small entry of teams. In the smaller section, W. H. Weir, St. Williams, won 1st; Peter Odell, Belmont, 2nd; and John Watson, Listowel, 3rd. In larger teams, R. H. Siddall, Denfield, and Lewis Wigle, Leamington, competed and won as named.

**SADDLE HORSES**

were shown principally by Adam Beck, London, who could have beaten a strong competition. His jumpers did work which indicated careful horsemanship and good animals.

**HACKNEYS.**

The very popular Jubilee Chief was out in good stud form after a heavy season's service. His owner, A. St. Clair, Aylmer, also showed several nice young things by him. Messrs. D. & O. Sorby, Guelph, had forward their 3-year-old Woodland's Performer, by Barthorpe Performer, and his dam, Miss Baker, with her foal and 2-year-old daughter, so that even though the entry was small the breed was represented by good animals.

**CARRIAGE HORSES.**

Like the other light-legged classes, the carriage sections were only moderately filled. In mature stallions the imported English Coach horse, Stanford Bridge Swell, owned by John Longfield, Crampton, won 1st, and finally the male sweepstakes award. His unfortunate rival, Moss Rose, not only had to take 2nd prize, but sickened and died with inflammation on the ground. The younger stallion sections were very light. In 3-year-olds a get of the German Coach, Graf Bremer, won 1st for W. H. Guest, Ballymote, and in yearlings a son of the same sire won the desired premium. Three-year-old fillies and geldings filled the best section in the class, as eight good specimens were presented for inspection by the judges, Dr. Blackwell, V. S., Glencoe, and Dr. Tamlin, V. S., London. These were all of nice carriage pattern, well grown and brought out in nice form. The winner was found in an upstanding, active, shapely fellow, owned by A. St. Clair, Aylmer. A handsome, free-acting chestnut filly, sired by Chester, won 2nd for her owner, J. J. McEwen, Nairn. She bears a striking resemblance to the old Green Mountain Morgan stock that always stands in favor. John P. Beatie, Derwent, won 3rd on a smooth-turned, likely-looking daughter of the English Coach horse, Royal Duke. Four 2-year-olds and two yearlings were shown, as well as four brood mares and foals.

**HORSES.**

There was a marked falling off in horse entries this year, which can be accounted for in the fact that many of our best animals have been sold out of the country or to those in the country who do not make a practice of exhibiting.

**THOROUGHBREDS**

were represented by a select class of stock from the noted stables of Wm. Hendrie, Hamilton, and a



GROUP OF SHEEP EXHIBITORS AND ATTENDANTS AT TORONTO INDUSTRIAL.

SHIRES

had two very good representatives in the mature stallion section, the newly-imported Belteshazzar 13855, owned by Bawden & McDonald, Exeter, and Prince Hatherton 16326, also recently imported, and is owned by E. R. Hogate, Toronto. The former is considered by good horsemen to have been one of the best Shires in England. He is by Tymes, and out of Ivus, by St. Ives. He is a horse of very prepossessing appearance, full of draft character of superior quality, and just teeming with vim and vigor. He has been a great show horse in the old land, and his stock have won well also. He is without doubt the best Shire horse we have ever seen in a Canadian showing. Prince Hatherton is also a good horse, and exceedingly well come, being a son of Hatherton that won many good prizes in England, including 1st and silver medal in '86, 2nd at the Royal Norwich, and the £75 premium at Staffa. Mr. Hogate's horse is a good sort, and will improve, as he is only four years old.

CLYDESDALES

were represented by rather a small entry of good animals. Messrs. D. & O. Sorby, Guelph; S. J. Prouse, Ingersoll; Chris. Dale, Constance; E. R. Hogate, Toronto; Wm. Mossop, St. Mary's; Dr. G. J. Fitzgerald, London; Jas. McFarlane, Clinton; Smilie Bros., Seaforth; Jas. Metcalf, Petrolia; and Wm. Colquhoun, Exeter, were the principal exhibitors. Mr. Hogate's Sir Mirengo, by Sir Everard, won 1st. He is a tidy, substantial, good-legged horse, with good middle and handsome carriage. The only other entry in this section was Alcidas, a fairly good Clyde type, shown by Jas. Metcalf. Three 3-year-olds made a good appearance. Wm. Mossop won 1st on a good-limbed, up-standing son of Glen Lyon Chief. Hogate's Royal Erskine, one of the needed drafty sort, requires flesh to fill him out, as he is recently off the boat, and is growing fast. He was placed ahead of Dr. G. J. Fitzgerald's Scottish Hero 2nd, also a showy colt in medium flesh. Only two 2-year-olds and two yearlings were shown. In the former section Jas. McFarlane's Field Marshal, by William the Conqueror, was defeated by Smilie Bros.' Prince of Hurlford, imported by Wm. Colquhoun. This last named was decided to be the best male entry in the class. He is a thick-wearing, well-furnished colt that will improve as he grows. The 2nd best stallion in the class was found in the yearling section in Sorby's Prince Patricia, by Grandeur, and out of Princess Patricia. In his section he defeated a very worthy son of Roslin, owned by J. S. Prouse. Of the three brood mares shown, Sorby's Miss Stanley won over Prouse's Ossa, a good mare and a good breeder, whose foal by Roslin defeated Miss Stanley's get of Lord Charming. There were just two in each of the younger filly sections, which were supplied by Messrs. Sorby, Prouse, and Dale. The team section contained, perhaps, the best in Canada: Geo. Moore's (Waterloo) 1st prize pair at Toronto Spring and Fall Shows, C. E. Stewart's 2nd prize Toronto winner, and D. & O. Sorby's Sunbeam and Diana McKay. They won in the order named. Messrs. Sorby's Sunbeam finally won the female sweepstakes award, followed by their Princess Alexandria. This class, as well as the Shires, was judged by P. McGreggor, Brucefield.

CANADIAN DRAFT AND AGRICULTURAL

classes were judged by John Gardhouse, Highfield, Ont. There were a few promising colts shown in the former class. Thos. McMichael, Seaforth, showed a 3-year-old son of Marksman. A. G. Fisher, Benmiller, showed a chestnut get of Lord of the Manor, and Fred Foster, Ingersoll, had out a fair yearling. Four brood mares were shown with their foals. Wm. Dale & Son, Seaforth, and Wm. Fleming, London, were close rivals with useful, well-made, tidy mares. Dale won 1st and F. Foster won 3rd. The younger filly sections were lightly filled. Jas. Henderson showed the only 3-year-old, a good-legged sort in nice condition, by Shamrock. The 2-year-olds and yearlings were in field condition. A good class of six teams took considerable judging. Wm. Ewing, Petrolia, finally won 1st on a useful, sound chestnut and brown. W. Fleming, London, won 2nd on a pair of well-mated bays, 5-year-olds; and D. McMillan, Thamesford, 3rd on a rangy, lighter-bodied team. Some good horses, with slight unsoundness, were thrown out. The agricultural class was light and generally indifferent, although a few useful farm horses were scattered among them.

CATTLE

The show of cattle was decidedly good. The greatest interest centred 'round the Shorthorn ring, where every movement of the judge, who took a good while to place some of the animals, was watched by a large crowd, but every other breed of cattle had its admirers, who were all equally interested in their favorites. A novel feature in the rosettes given for herd and sweepstakes was that each one stated on its face exactly what they were for, and also gave the owner's name and address.

SHORTHORNS

Of the exhibitors who figured at the Toronto Industrial, Capt. Robson, J. & W. B. Watt, H. Smith, J. Fried & Sons, and James Leask were present, and they were reinforced here by J. Douglas & Son, Strathroy, who showed a few head, including a very nice bodied, smooth heifer calf, which deservedly carried off the blue ribbon in her section. There is no section in the Western Fair prize list for bulls four years old and upwards, and so three- and four-year-old bulls had all to compete together. Capt. Robson's Topsyman was once again the first choice, with Fried's Lord Willison second, and Harry Smith's Abbotsford third. In the two-year-old section there was a reversal of the Toronto awards. Smith's Knuckle Duster unnotified there coming in first, Watt's roan retaining the second position, while Robson's first prize winner was placed third. Only two yearlings were entered, and the Toronto order was maintained, viz., Leask first, Robson second. The bull calf class was well filled,

among them being two whites, one of them Watt's first prize winner, which had no difficulty in again heading the list. Smith's roan came next, Watt's other entry showing off badly on account of a lame foot. The judge seemed to have great difficulty in selecting the other two winners, but finally pulled out a young red of Robson's, and a bigger roan of Douglas' for those places. Three sweepstakes ribbons were given throughout all the breed classes for best bull and best female respectively. This rendered it possible for second and third prize animals to get a place, as was occasionally done. Robson's Topsyman, Smith's Knuckle Duster, and Watt's white calf was the order for Shorthorn bulls. Aged cows were two in number. Robson's roan Freida, which did not get a place in Toronto, here beat Watt's Matchless 11th, much to the surprise of many, for, although the former is a good cow, she has not the substance of the other. Three-year-olds went as in Toronto, Watt's of the other. Three-year-olds went as in Toronto, Watt's of the other. Three-year-olds went as in Toronto, Watt's of the other. Three-year-olds went as in Toronto, Watt's of the other. Three-year-olds went as in Toronto, Watt's of the other.

HEREFORDS

All the exhibitors of "white faces" at Toronto brought on their cattle to London, and, in addition, O'Neil Bros., Southgate, and A. Monteith, Kippen, were present. This ensured a better display of the breed than is usual. Some changes were made in the Toronto verdicts, one of the most noticeable being the placing of Smith's best cow in her proper position—at the head of her class. Most of the other animals followed more or less the order they stood in previously, excepting that O'Neil Bros. won some of the prizes away from them in some sections. Smith's 2-year-old bull again won the 1st sweepstakes for bulls, and the same owner's 3-year-old cow that for females. The herd prizes also went to him. Hunter won for aged bulls and several other prizes. The Stone Stock Co. was to the fore in four sections, and O'Neil Bros. had the best bull calf.

POLLED ANGUS

Jas. Bowman, Guelph, and W. Stewart & Sons, Lucasville, did not come on here from Toronto, but Hiram Jones, White Oak, contested in some of the sections with Walter Hall, Washington. Hall won all the 1st prizes in the sections in which he had entries; but in the aged cow section, although he won all three prizes, his 1st prize winner in Toronto was placed 3rd, the 1st prize one not having taken a place there. Jones won 1st for aged bulls, and 1st and 2nd for bull calves. This aged bull has good conformation.



OXFORD DOWN RAM LAMB, BRANT CHIEF 151 No. 18417.

Won second prize at Toronto and London, 1899. OWNED BY J. H. JULL, MT. VERNON, ONT.

GALLOWAYS

D. McCrae, A. M. & R. Shaw, and T. Lloyd-Jones & Son were the three exhibitors of Galloways, the latter, however, having only a few forward. Shaw did rather better than in Toronto, but McCrae, though not very strong in bulls, had the best of it all through, winning the herd prize and the sweepstakes for females. Lloyd-Jones & Son's bull captured the 1st diploma for bulls of any age, Shaw's aged bull being 2nd, and McCrae's dun calf 3rd. Altogether, the "doddies" made a most creditable display, especially in the female sections.

FAT CATTLE

H. Smith's white steer won in the 2-year-old section. He is a stealer of great style, smoothness, and conformation, but was hardly as ripe as Hall's Angus, which was placed 2nd. Fried was 3rd. Leask won for yearlings and steer calves. Robson's fine 4-year-old cow came in ahead of Fried's. N. Dymant was 2nd for calves.

GRADES

Leask had it pretty much his own way in this class, but Fried & Son beat him for heifer calves, with Dymant's entry 2nd, Leask's calf being 3rd as in Toronto.

Ayrshires

Wm. Wylie, Howick; W. Stewart & Son, Menie; and N. Dymant, Clappinson's, were the three principal exhibitors in this class, but Geo. Hill, Delaware, and Marsh & Son, Gladstone, also showed some animals. Herds were judged first, as is now done regularly among the dairy breeds at every exhibition of any importance. Wylie, Stewart, and Dymant was the order of the prizes. There were not many changes made in the position in which such of the animals as had been in Toronto stood here. Wylie's Silver Prince won in the aged bull section and was 1st in the sweepstakes for bulls. This exhibitor also stood at the head of the bull calf, 2-year-old heifer, and yearling heifer sections. In the aged cow section the prizes went to Stewart's Jean Armour, Wylie's imported Countess of Langside, and Dymant's Nellie Gray. Among the other 1st prizes which fell to Stewart were those for 3-year-old cow, 2-year-old bull, for four calves, and the 1st sweepstakes for females. Dymant won, besides minor prizes, the red ribbon for heifer calves. Geo. Hill had a yearling bull, a little thin in flesh, but good enough to come in 1st. He also had the 2nd prize 2-year-old bull. Marsh & Son had the 3rd prize aged bull.

JERSEYS

Jersey exhibitors were more numerous and made a good display. Entries were made by R. H. Bull & Son, Brampton; R. B. Smith, Arkona; P. H. Lawson, Nilestown; J. O'Brien, London West; J. H. Smith, Highfield; E. N. Fleming, Toronto; Rich. Edwards, Hyde Park; Mrs. Lawrence, London South; Jno. Trot, London West; and Jno. Kenward, Woodstock. Of these, Bull, the two Smiths and Fleming had shown

at Toronto. Bull was the strongest in the ring, and won the herd prize and 3 out of the 5 1sts for females, as well as the sweepstakes for females and 1st for 4 calves; several 2nds and some 3rds also went their way. John O'Brien had the next strongest herd all through, and won 2 1sts for females, besides other prizes. Lawson did not secure any 1st prizes, but in the herd competition he came in 2nd. Fleming's bull calf once more headed his class. R. B. Smith won 1st for aged bull with Belvoir Kind, who also secured the sweepstakes for males; another 1st which fell to his herd was that for yearling bull. J. H. Smith's heifer calf came in 1st. Jno. Trot and Jno. Kenward also got into the prize list, the latter showing the aged bull which he had in Toronto.

HOLSTEINS

The contest in this class lay between G. W. Clemons, St. George; Jas. Rettie, Norwich; and S. R. Beck, South Cayuga. While the prizes were somewhat divided up, the majority of the red ribbons went to the Norwich herd. G. W. Clemons' aged bull won in his section, and also 1st for the sweepstakes for bulls. The St. George herd also had the leading heifer calf. Beck had among his share the red ribbon for 2-year-old bull and 3-year-old cow. Rettie's aged cow won the sweepstakes for females. The herd prize also went to him.

Guernseys

With the exception of three animals shown by Wm. Prouse, Mt. Elgin, Wm. Butler & Sons, Dereham Centre, had the Guernsey class all to themselves, as in Toronto, and won all the 1st prizes and all the 2nds when they showed more than one animal in a section.

SHEEP

In this department the competition was keener than ever, and the classes very full. Nearly all these who had been at Toronto the previous week had come on here, and, in addition, in the Dorset Horned class there was a very strong contingent from the Tranquillity Farm, Allamuchy, N. J., which made its appearance very forcibly felt in the prize list. So numerous were the sheep that some of them had to be penned in the building usually devoted to supplies.

Shropshires

W. G. Pettit, Freeman, judged this class. It was just as strong and excellent as in Toronto. All who had exhibited there had come on here, and there were a few extra ones shown by R. Gibson, Delaware, and W. H. Beattie, Wilton Grove, the latter of whom showed an aged ram that made a strong fight for 3rd honors. John Campbell, Woodville, again did well, carrying off 5 1st prizes, including that for 5 lambs bred by the exhibitor, the American Shropshire specials for ram and 3 ewes, and for flock of 4 lambs. D. G. Hamner & Co. were to the front again with ewe lambs, in which section they were also 3rd. Their shearing ram, ram lamb, aged ewes and shearing ewes all stood 2nd in spite of fierce competition. The Folly-farm, Abington, Pa., whose imported sheep did so well in Toronto, again scored. Their winnings included 1st for shearing ram, for pair of shearing ewes, for pen of 5 shearings, the flock prize, and the diploma for the best ewe. The Allamont Farm, Millbrook, N. J., did somewhat better than at Toronto. First for aged ram, and the diploma for rams went their way, as did 3rd for shearing ewes.

Oxfords

In this class also there were the same exhibitors as met the week before at the Industrial. Some changes, however, were made in the decisions, in some cases other sheep of the same exhibitor receiving the preference over former prizewinners. R. J. Hine, Dutton, had most of the red ribbons to his credit when the awards were all made. The flock prize and the sweepstakes for rams were sent to his flock. The ewe lambs that won 1st in Toronto again secured that prize. Mr. Hine's string also won 1st for shearing ram and for ram lamb. His 2nd prize shearing ewes were not the same as the pair which occupied that place in Toronto. Smith Evans' aged ram could not be beaten for premier honors. The sweepstakes for ewes, 1st for pen of yearlings, and 1st for shearing ewes were also part of Mr. Evans' winnings. Jas. Tolton's ram lamb, the only sheep he showed, stood 3rd, as he did in Toronto. J. H. Jull, Mt. Vernon, got a fair share of the prize money. In his list were 1st for aged ewes, 1st for pen of 5 lambs, and several other awards. The 2nd prize ewe lambs were placed ahead of his pair that won at Toronto.

Southdowns

Robt. Shaw & Son did not come on here, and so the contest lay entirely between Jno. Jackson & Son, Abington, and W. E. & G. L. Telfer, Paris. Messrs. Jackson's winnings comprised the bulk of the principal prizes and all the 1sts but one. Messrs. Telfer did much the same as at the Industrial. With their shearing ewes they beat their opponents' entries, and made a strong fight in the other sections, but the exceptionally strong lot opposed to them kept them from winning anything higher than 2nd place except in the section mentioned.

Cotswolds

A. J. Watson, Castlederg, and Geo. Allen, Oriol, fought it out in this class. Both were strong, but Allen came out ahead as regards red ribbons, diplomas, and specials. His principal prizes were 1st for aged ram, 1st for shearing ewes, 1st for ewe lambs, 1st for pen of 5 shearings, and also for pen of 5 lambs, all bred by exhibitor, the sweepstakes for ewes, the flock prize, and the American Cotswold special prize for 4 lambs. Watson's shearing ram, ram lamb and aged ewes headed their respective sections, while he also got the sweepstakes for rams, and the American Cotswold special for flock.

Leicesters

J. M. Gardhouse, Highfield; A. W. Smith, Maple Lodge; Whitelaw Bros., Guelph; and Jno. Kelly, Shakespeare, were those who exhibited Leicesters. The first three had shown at the Toronto Show, but the latter had not been out previously, although two of his sheep were prizewinners there which were purchased from Messrs. Whitelaw. A number of changes were made in the decisions, as compared with those given at Toronto. Gardhouse got 1st for aged ram, ram lamb, shearing ewes, and the sweepstakes for rams. Smith's red ribbons were for shearing ram, aged ewes, for the flock prize for five shearings, and the sweepstakes for ewes. Kelly's sheep were of good conformation and carried fine fleeces, but some of them were not as well fitted as they might be. As this is the first year the feeding has been done by his son, the results are by no means discreditible. First for ewe lambs (a nice pair), and 1st for pen of five lambs went to him, besides two 2nds and a 3rd. The shearing ram which won 1st in Toronto in Whitelaw Bros.' lot, and which was purchased by Mr. Kelly, got no higher than 2nd. Whitelaw Bros.' winnings here were 3rd for ram lamb, 3rd for shearing ewes, and 2nd for ewe lambs.

Lincolns

The strong, well-fitted exhibit of J. H. & E. Patrick, Ilder-ton, which was so successful at Toronto, again joined issue with those of Gibson & Walker. The results were not very different to what they were at the Industrial, except that the last-named exhibitors won here for shearing ewes. Three other 1st prizes also fell to them—for shearing ram, pen of five shearings, and pen of five lambs, all bred by exhibitor. Messrs. Patrick's sheep were largely imported animals from the flocks of Dean, Robt. Wright, Kirkham, and Wyld-Smith, and were brought out in excellent condition. The importation of such sheep should do much to encourage and develop trade between us and the British breeders who are raising such sheep, for we need all the good ones we can get for the improvement of our flocks. The winners of the sweepstakes for rams and ewes and of the flock prize were found in the Patrick flock.

Dorsets

Jno. A. McGillivray, Uxbridge, did not come on here with his sheep, but Empey and Harding, who did, found a foeman worthy of their steel in the Tranquillity Farm, Allamuchy, N. J., which came on here fresh from their great victory at the Syracuse Fair, New York State. They were a beautiful lot of sheep, very nicely fitted, and thoroughly deserved the rather



sweeping victory which they won over the flocks of the other two exhibitors. The only lots they did not get were those for pens of five shewings and of five lambs, the former of which went to Harding and the latter to Empey.

HAMPSHIRE.

There was a section for flock of one ram and four ewes, of this or the Suffolk breed, in which two prizes were offered. No Suffolks were out, but Dr. Fasken, Paris, and Jno. Kelly, Shakespear, both showed Hampshires, the former the capital imported flock he exhibited at Toronto Fair. He got 1st and Kelly 2nd.

FAT SHEEP.

There were enough fat sheep to win all the prize money offered. In the wether class, Beattie, Jackson, and Gibson won in that order. Campbell, Hamner, and Allan won for ewes; while in the section for six shipping sheep, not entered in another section, the prizes went to Hamner, Telfer, and Wright.

SWINE.

A number of extra pens had to be erected for the accommodation of the many pigs for which no room could be found in the regular building. It was one of the best shows of swine ever seen here. There should be erected a second permanent building for pigs before another year elapses, as temporary pens are unsatisfactory places in which to show swine, and in the event of wet weather the exhibitors who have to put up with such accommodation are very liable to lose chances of sales.

BERSKSHIRES.

Geo. Green, Fairview, had his Toronto exhibit here and was very successful, although he was somewhat under a disadvantage in the section for boars under a year, as his best boar was sick. He won 1st in all the other boar sections, 1st for yearling sow, and the diplomas for boar and four of his get and for sow and three of her progeny. No herd prizes are offered in any of the swine classes at the Western. T. A. Cox, Brantford, was stronger here than in Toronto, and won a very satisfactory share of the prize money. All the first prizes for females, except that for yearling sows, went to him, and also 1st for boar under 12 months. H. Davis, Woodstock, had a few entries, and won 3rd for a yearling boar. Jas. McEwan, Kertch, secured 3rd with a boar under 12 months old. Geo. Hill, Delaware, had a small contingent forward, but did not get into the prize list.

YORKSHIRES.

J. E. Brethour, Burford, was particularly strong in this class, having all his Toronto exhibit forward. The opposition he met here was slight compared with what he had encountered the week before, and consequently he won the biggest bulk of the prize money, including that for boar and produce and sow and progeny. J. Featherston & Sons, Streetsville, had divided their herd after Toronto, sending a part to Quebec in this class, being opposed by Meredith & Dunlop, Dresden, who had forward a number of imported pigs which were nicely fitted. Six of the eight 1st prizes and the two diplomas went to Messrs. Jones; while Meredith & Dunlop won on aged sows and on boars under 12 months old, with five other lesser prizes.

TAMWORTHS.

This breed, although not quite so much in evidence as in Toronto, where they had the record over all other breeds as regards entries, was still out in larger numbers than usual, five of the largest exhibitors there being present with their stock. J. C. Nichol, Hubrey, came out best, winning on aged boars, aged and yearling sows, and sows under 6 months, and the diplomas for boar and four of his get and sow and three of her progeny, besides other minor awards. N. M. Blain, St. George, came in 2nd for aged boars, 1st for sow under a year, besides two other 2nds and a 3rd prize. A. Elliott & Son, Galt, had the yearling boar and boar under the year that they showed in Toronto, and won 2nd on the yearling and 1st on the other. J. Hord & Son, Parkhill, had the best yearling boar, and were 3rd for a sow within the year. J. R. Newell & Sons, Crampton, won a 2nd for a sow under 6 months, and three 3rds besides. A yearling sow belonging to Reid & Co., Hintonburg, came in 3rd in her section.

POLAND-CHINAS.

W. & H. Jones, Mt. Elgin, had quite a strong competition in this class, being opposed by Meredith & Dunlop, Dresden, who had forward a number of imported pigs which were nicely fitted. Six of the eight 1st prizes and the two diplomas went to Messrs. Jones; while Meredith & Dunlop won on aged sows and on boars under 12 months old, with five other lesser prizes.

CHESTER WHITES.

Wm. Butler & Sons, Dereham Centre, had it nearly all to themselves in this class, and won everything they showed for, except 2nd for sows under 6 months and 3rd for boar under a year, which fell to a couple of pigs brought out by W. E. Wright, Galianworth.

DURCO-JERSEYS.

As at the Toronto Industrial, Tape Bros., Ridgeway, and Wm. Butler & Sons, Dereham Centre, were the exhibitors who furnished the representatives of this breed. The bulk of the prizes, including all the 1sts and the two diplomas, went to Messrs. Tape. Four 2nds and three 3rd prizes fell to Messrs. Butler.

OTHER DISTINCT BREEDS.

In this mixed class were shown Victorias, Suffolks, and Essex. Chris. Fahner, Crediton, exhibited Victorias, and got a fair share of the winnings, among which was the diploma for sow and three of her progeny. J. Featherston & Sons, Streetsville, had both Suffolks and Essex, and won with both. The diploma for boar and four of his get fell to Essex, shown by this firm, and most of their winners were Essex. In all they had six 1st honors to their credit. J. Hord & Sons, Parkhill, won with Suffolks—four 2nds and one 3rd prize.

POULTRY.

The capacious and well-arranged poultry building was taxed to its utmost with the various classes of poultry and pet stock. In no section was the entry particularly large, but a fair average was maintained throughout. In Brahmas and Cochins the winning birds were chiefly of high quality, and the same number ran from three in each sex in old birds, and the same number in chicks for Partridge Cochins, to seven of each sex in each of the Light Brahma sections. In Dorkings there was a small entry throughout, four cocks and four hens in silver-grays being the largest entry. Plymouth Rocks were most numerous shown, and of these the barred variety made the greatest and finest display. Of these latter there were ten cocks, ten hens, fifteen cockerels, and eleven pullets, and there were no in-

ferior birds among them. In whites and buffs the entry was small, and of only medium quality. Wyandottes were particularly good in the various colors and ages, and ran up to seven entries of either sex in old birds of the golden variety, and ten entries in each sex of the young white sort.

Of the lighter breeds, Leghorns made the most conspicuous display, and the quality of the entries was of a high order. In white, eight cocks, eight hens, eleven cockerels, and eleven pullets competed. In blacks, just two pairs of either age were shown, while in brown there was a big field of good ones from which to select the various winners. There was a fairly good showing of buffs, there being eight pairs of old birds, and five of the produce of 1899. Minorcas presented six pairs of old birds, and a similar entry of young ones, whereas Andalusians had a small representation. In the Spanish, Polish, Hamburg, Game and Bantam classes, the entries were first-class, being the winners at Toronto the previous week. There was rather a small entry of water fowl, but the quality was of a high order. In geese there were Toulouse, Embden, and Bremen sorts represented in twos and threes in the various sections. There were seven pairs of Pekin ducks shown, and quite a good entry of Aylesburys, and half a dozen of Rouens, all first-class birds.

Bronze turkeys were strongly represented in numbers, but the young birds appeared to have been late hatched; but the old stock was particularly fine in size, form, and plumage. A fairly good showing of White Hollands were also forward.

Pheasants of various beautiful varieties, pigeons, rabbits, and other pet stock were numerous shown and particularly entertaining to all visitors to the building, but chiefly the younger representatives.

A Welcomed and Expectant Visitor.

W. E. DARLING, Lanark Co., Ont.:—"Enclosed please find one dollar for my renewal of subscription to your paper. I hope that you will pardon my long neglect of this matter. I would be very sorry to part with the FARMER'S ADVOCATE, as it has become a welcome and expectant visitor to our home. We do not know how we could do without it. There are some here to whom I have been speaking about your paper, and I think, ere long, I will be able to forward to you some new subscribers."



GROUP OF SWINE EXHIBITORS AND ATTENDANTS AT TORONTO INDUSTRIAL.

Brantford Southern Fair.

Fine weather came one day too late to insure for the Brantford Fair Board the financial success the show was worthy of. It was not until Thursday, the closing day, that the sun came out to encourage visitors to spend their annual holiday at this popular exhibition. The gate receipts, however, were well in advance of what might have been expected, which, together with the entry fees, etc., left more than enough to meet the expenses and prizes.

LIVE STOCK.

Brantford being the center of a first-class agricultural district, where high-class stock is a chief dependence, it was expected that a good showing in the various breeds and classes would be presented, and while this was the case to a marked degree, we believe more local breeders, with comparatively small herds and flocks, would be glad to come out were they given any encouragement to believe they could win even a few 2nd prizes; but even this seems out of reach of many a beginner, while the rules allow the larger exhibitors to enter for all the prizes offered in the various sections. This is perhaps a difficult matter for local fair boards to regulate, but it seems evident that if the smaller shows are to do the best good to the localities in which they are held, some provision should be made to encourage more local exhibits of live stock.

HORSES.

The new horse barn erected this year was completely filled with good material. There was an excellent display and keen competition in many sections of the various classes, those of the light-legged sorts being strongest. The Clydesdale class shown were McCormick, by Macgregor, owned by Geo. Rodgerson, Paris, and Sandy Yet, by Brougham, owned by Jno. McClure, Carluke. The former is a worthy son of his great and lately-lamented sire. Sandy Yet is an upstanding, promising 2-year-old that should do considerable good in future. Geo. Moore, Waterloo, had his Toronto and London-winning team here and repeated his victory over a very good pair owned by Alex. Duncan, Carluke, that won 2nd, and a plainer, but useful, team owned by Frank Thompson, Onondago, that stood 3rd. The class for agricultural horses was exceptionally good, containing a number of high-grade Clydesdales shown in good form. The teams were well brought out. W. Robson & Son, Ayr, won 1st here on a blocky chestnut and brown of good Clyde type, the 2nd falling to a more rangy entry owned by J.

Malcolm, Sheffield, and the 3rd to J. Anderson, Jr., Paris, on a lighter, good sort of farm team.

The carriage class was headed by the good horse, Shelby Wilkes, by Dillard Wilkes, and owned by W. J. Ireland, Cope-town. He defeated Dr. Tom, owned by C. D. Smith, Fairfield Plains, and Young Clear Grit, owned by Robt. Wilson, Brampton. The display of teams was good, the victory falling to an up-to-date pair of high-steppers sired by Prince George, and owned by Mr. Yeager, Simcoe. A beautiful pair of matched, upstanding blacks, owned by J. W. Pattison, Brantford, stood 2nd in the competition. Some good teams were shown in the younger sections. Redwood, by Diplomat, a racy Standard-bred stallion, owned by B. Cornwall, Langford, had no opposition; nor did the Thoroughbred, Verastile, that won in Toronto and London for Wm. Hendrie, Hamilton. There was a good turnout of single roadsters and young things on the line, and the saddle and jumping contests were keen between entries made by J. E. Brethour, T. Lloyd-Jones, and D. G. Hamner. The draft classes were judged by W. H. Graham, St. Mary's, and lighter classes by W. R. Lowes, Brampton.

CATTLE.

Shorthorns were well represented by well-fitted entries, made by Messrs. J. & P. Crearer, T. Lovett, C. Summerhays, A. Duncan, and F. A. Smith. Mr. Lovett won 1st for aged bull, and Mr. Duncan for bull calf, while Messrs. Crearer won 1st and 2nd on mature cows, heifers two years old, one year old, and calves, besides 1st on yearling bull and on herd. Mr. Walter Hall, Washington, had out his full herd of Aberdeen-Angus cattle that he had shown at Toronto and London the previous weeks. His ideal 2-year-old bullock was the admiration of a great many visitors.

Galloways were represented by the full herd of A. M. & R. Shaw, Brantford, which were shown at Toronto and London, and a few very good entries from the herd of Mr. T. Lloyd-Jones, Burford.

Jerseys had a strong representation in the full herd of Messrs. B. H. Bull & Son, Brampton; five entries shown by D. G. Hamner & Sons, Mount Vernon; and a few others owned by O. Vansickle. Messrs. Bull won all the 1st and 2nd prizes, except the 1st for heifer calf and 2nd for yearling heifer, which were won by Messrs. Hamner, and 2nd on bull two years old, won by Mr. Vansickle. Messrs. Bull had out a nice selection of bull calves.

Four Ayrshire herds brought out a keen competition, the exhibitors being Mr. N. Dymont, Clappison's; T. Brooks & Son, Brantford; W. M. & J. C. Smith, Fairfield Plains; and J. R. Alexander, Brantford. Mr. Dymont won 1st on herd, 3-year-old bull, and aged cow, as well as a number of 2nds. Messrs. Brooks won 1st on yearling bull, 2-year-old, and yearling heifers, and 2nd on herd. Messrs. Smith won, among other prizes, 1st on bull calf and 2nd on 2-year-old heifer. And Mr. Alexander secured 1st on yearling heifer and 2nd on 3-year-old and aged cows.

Rettie Bros., Norwich, with 15 head, and A. Kennedy, Ayr, with 10 head, made a good showing in Holstein-Friesians. The former herd had learned well how to win in the strong "Industrial" and "Western" contests, which they continued to do here in spite of the fact that several very good individuals appeared in Mr. Kennedy's herd. Rettie Bros. won all the 1sts taken, and all the 2nds but for yearling bull. The best broods were judged by Mr. Watt, Salem, Ont., and the dairy breeds by Mr. Alf. Kains, Byron, Ont.

SHEEP.

While there was a very high-class representation of all the breeds shown, the competition was not as keen as we would like to have seen. In Southdowns, John Jackson & Son, Abingdon, swept the 1st with his well-fitted, good flock, which they showed at Toronto and London. Shropshires had a first-class representation in Messrs. Hamner's flock, as well as a few useful entries from the flocks of Mr. Adam Armstrong, Cathcart, and P. Lloyd-Jones, Burford. Messrs. Hamner won all the 1st prizes; while Armstrong's aged ewes won 2nd, as did also Jones' aged ram. Leicester were well shown by Jno. Wright; Messrs. Orr & Lilloo, Galt; and Dunnet Bros., Cansbrassell. The last named firm won 1st on pen, aged ram, aged ewes, and shearing ewes. For a great many years this good flock has been headed by rams from the flock of A. W. Smith, Maple Lodge, Ont. Messrs. Orr & Lilloo won 1st on shearing ram, ram lambs, ewes lambs, and 2nd on pens, aged ram, shearing ewes, and some others; while John Wright won 2nd on ram lambs, aged ewes, and some other awards. John Parks & Son, Burgessville, and Geo. Allan, Orillia, wound up their fall campaign with their Cotswold flocks at this show. The former, with 18 head, won 1st on flock, 1st and 2nd on aged ewes, and a number of other prizes. Mr. Allan won 1st on aged ram, shearing ram, ram lamb, and shearing ewes, besides some 2nds and a 3rd. Mr. J. H. Jull, Mt. Vernon, had no opposition against his fitted flock of good Oxford's that he had shown at Toronto and London exhibitions. The long-wooled breeds were judged by Thos. Teasdale, Concord, and the short-wools by W. H. Beattie, Wilton Grove, Ont.

SWINE.

The exhibit of swine was considerably less this year than last, but good specimens represented the different breeds shown. Berkshires were shown by T. A. Cox, Brantford; Tamworths by Norman M. Blain, St. George; and Yorkshires by J. E. Brethour, Burford; all of whom had full herds of high-class animals. Chester Whites furnished a keen competition between the exhibits of Wm. Butler & Son, Dereham Centre, and John Silverthorn, Scotland, who divided honors. There were just three entries in pens of six selected lean singers. The 1st award went to a lot of long, deep-sided, smooth pigs, weighing about 150 pounds each. They were chiefly white in color, with Tamworth heads and red markings over the body. They were shown by A. Cutliff, Mohawk, Ont. The 2nd prize pen were smaller, shorter pigs, of fair bacon type, and the remaining entry was thrown out for being too thick and fat for their class. Thos. Teasdale judged the Berkshires and Chesters, and Major G. R. Hood, Guelph, the remaining classes.

POULTRY.

The poultry building could have easily accommodated more birds than appeared this year, but most of the worthy breeds were fairly well represented. The different varieties of Leghorns, Wyandottes, Plymouth Rocks, Light Brahmas, and Cochins presented a keen competition, which was also true of Pekin and Aylesbury ducks, Toulouse geese, and the various classes of Bantams, while Dorkings, Javas, Andalusians, Spanish, Hamburgs, Red Caps, Houdans, Minorcas, Games, and turkeys had a comparatively small entry.

DAIRY.

The display of dairy produce appeared small at first view, but when we learned that only farm dairy butter was competing, and the entry fee was \$1, it may be considered a creditable display. In all there were 15 entries of crocks, 13 of rolls,

18 of pound prints, and 9 of fancy prints. They were judged by Mr. Arch. Smith, Beachville, and Miss Laura Rose, O. A. C. Dairy School. At the close of the judging, Mr. Smith addressed the exhibitors at considerable length, pointing out and illustrating both excellencies and defects, and showing why the winners won and the losers lost in the contest.

**MILK TEST.**  
The cows competing were milked out clean in the presence of the judge, Mr. Morrison, at six o'clock in the evening of Sept. 19th, the judging being done on the 20th inst. The morning and evening's milkings were weighed and tested. The awards were given by the following scale: Ten points for constitution and conformation, 20 points for each pound of fat, 4 points for each pound of solids not fat, and 1 point for each 10 days in milk after the first 30 days up to 300 days.

RESULTS OF MILK TEST.		Owner.	Lbs. Solids				Total Points.	Date Calving.	Breed.
Name of Cow.	Lbs. Milk in 24 Hours.		Lbs. Fat in 24 Hours.	Lbs. Fat Not in 24 Hours.	Lbs. Solids in 24 Hours.				
1. Highland Cornelia	70 1/2	Rettie Bros., Norwich..	1.981	6.290	74.94	74.94	Aug. 22, '99	Holstein.	
2. Daisy Banks	61	Rettie Bros., Norwich..	1.464	5.185	59.42	59.42	Aug. 17, '99	"	
3. Jane	31	Jas. Britton, Brantford..	0.992	2.700	58.70	58.70	Jan./26, '99	Holstein Grade.	
4. Nellie Gray	53	N. Dymont, Clappison's..	1.431	4.389	56.02	56.02	Aug. 17, '99	Ayrshire.	

The Minnesota State Fair.

BY SPECIAL CORRESPONDENT.  
The annual exhibition of the Minnesota State Agricultural Society closed on September the 9th, and was one of the most successful fairs in the history of the organization. The weather during the entire week was ideal; the attendance was large every day, and was more general from the farms of the State than we have ever seen. The show in all the points going to make up a fair that might properly be called agricultural was good. The agricultural hall was well filled. The horticultural building was full of valuable lessons. The exhibits in the dairy department were well worth the study of the crowd of visitors that filled the building. The grand stand was crowded every afternoon and evening, to witness the very interesting races and other attractions provided for the entertainment of visitors. The live stock show was very good, and in some departments better than we have ever seen it.

**CATTLE.**  
Not for years has there been such a fine showing of cattle at the Minnesota State Fair, and an encouraging feature in this department was the wide-spread interest manifested by the large number of breeders and farmers in attendance, the barns being thronged from morning till night.

**SHORTHORNS.**  
Of this breed there were brought together the best lot of cattle that have appeared in the ring for many years. The judge was C. B. Dustin, Summerhill, Ill. The exhibitors were T. J. Wornall, Missouri; H. T. Brown, Minneapolis, Minn.; N. P. Clark, St. Cloud, Minn.; T. R. Westrope & Son, Iowa; J. G. Robbins & Son, Indiana; E. B. Mitchell & Son, Illinois; George Harding & Son, Wisconsin. The call for aged bulls brought out Wornall's Viscount Anoka, Westrope's Young Abbotsburn 2nd, and Brown's Nominee, the champion of last year, a Canadian and well known in Canadian showings, having been a sweepstakes winner at Toronto. After looking them carefully over, Mr. Dustin finally placed Wornall's entry first, probably owing to his freshness, he being a much younger bull, and Nominee second. Two-year-old bulls brought out three entries: Robbins' Strathallan Chief, Clarke's Jubilee Knight, and an entry from Wisconsin. They were placed in the order named. Jubilee Knight, the second prize bull, is a right good one. He is a Manitoban, having been bred by J. G. Washington, of Nings, and purchased over a year ago by Manager Leslie Smith, for service in the Meadow Lawn herd of N. P. Clark. The entry from Wisconsin, Cavalier, of the Vacuna family, is another Canadian. Yearling bulls were a very good class, Mitchell got first with the White Prince Armour, Brown second on Earl of Browndale, and Robbins third. The bull calves were also a very good class of seven, Clark's Justice being an outstanding winner, and one of the best calves we have seen out for some time; he was afterwards made sweepstakes in the calf class over all beef breeds. Westrope was second, and Harding third with a Canadian-bred calf, by Lord Hamilton. In the female classes the honors were pretty much divided. The Missouri herd won first in class for graded herds, with Brown of Minneapolis 2nd, and Westrope of Iowa 3rd. Mitchell, of Illinois, won on young herd; with Robbins second. For get of sire, F. W. Brown won with get of Golden Rule. Brown's Snicy of Browndale, twice first prize cow in previous years, and on that account debarred from competition, except in herd and sweepstake competition, was made female champion.

THE HEREFORD EXHIBIT

was made up by T. F. B. Sotham, of Missouri; C. G. Comstock, also of Missouri; A. J. Gattler, of Iowa; and H. N. Thompson, of Illinois. The Missouri herds took most of the ribbons, with Sotham well to the fore. In Polled Angus, Wallace Estill, of Missouri, was the principal exhibitor, carrying off the bulk of the honors. The lion's share of the sweepstakes for all beef breeds fell to the Shorthorns, with Messrs. Dustin, Curtiss and Gosling forming the committee on awards. Aged bulls—Sotham's Hereford, Thickset, 1st; Wornall's Shorthorn, Viscount Anoka, 2nd. Two-year-olds—Robbins' Shorthorn, 1st; Sotham's Hereford, 2nd. Yearlings—Mitchell's white Shorthorn, 1st; Comstock's Hereford, 2nd. Calves—Clark's Shorthorn, Justice, 1st; Sotham's Hereford, 2nd. Aged cows—Brown's Shorthorn, 1st; Sotham's Hereford, 2nd. Two-year-olds—Shorthorn, 1st; Hereford, 2nd. Yearlings and calves—Shorthorn, 1st and 2nd; while the young herd was won by Mitchell's Shorthorns; with Estill's Angus herd, 2nd; Brown's Shorthorns, 3rd; and Sotham's Herefords, 4th. For the breeders' stakes, requiring a \$100 entry fee, with \$100 added by the Society, stakes to be divided 50%, 25%, 15%, and 10%, three herds were entered, and placed—Sotham's Herefords, 1st; Brown's Shorthorns, 2nd. The dairy breeds were well represented—J. G. Robbins, of Indiana, had a fine herd of Jerseys, and J. J. Hill, the railway magnate, St. Paul, Minn., a very fine herd of Ayrshires.

SHEEP.

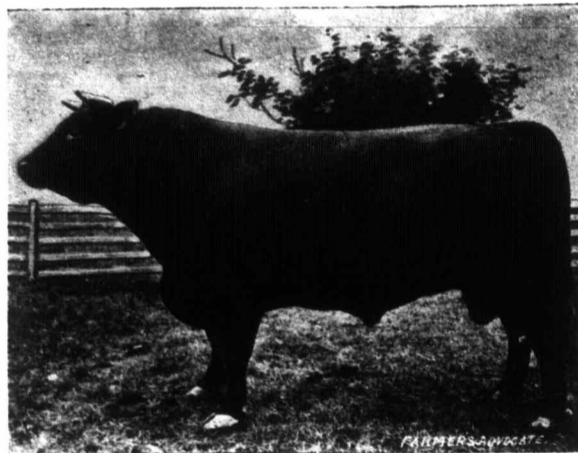
The sheep department was well filled, a good many newly-imported rams being on deck. The principal exhibitors were Geo. Harding & Son, Wisconsin; W. J. Boynton, Minnesota; Wm. Dixon, Wisconsin; J. C. Wing and A. G. Bates, from Ohio. Harding, Dixon, Boynton and Wing got the bulk of the ribbons. Leslie Smith, St. Cloud, Minn., was judge.

SWINE.

There were fourteen exhibitors in the swine department. Prof. Shaw, Minnesota School of Agriculture, acted as judge.

HORSES.

Horses were exhibited by N. P. Clarke, St. Cloud; Willard & Fuller, Mapleton; Delany & Son, Northfield (all of Minnesota), and a few others. Mr. Clarke made his usual splendid exhibit of Clydesdales, showing twenty-four head in the aged stallion class. He won 1st with his Mascher, a four-year-old, with lots of quality and action; 2nd, with Murchiston, a son of Macgregor; 3rd, on Montrave Matchless, a son of the well-known Moss Rose and Prince of Anion. In 3-year-olds, Mansen, a son of the great breeding horse, Baron's Pride, won; while two home-bred sons of Prince Patrick were 2nd and 3rd. In the 2-year-old class was found the sweepstakes stallion, Gangy-made, a son of Baron's Pride. This is a grand, big, active colt; 2nd went to his stable companion and half-brother, Persimmon; 3rd to Prince Macgregor, a son of Lillie Macgregor and Prince Patrick. Yearling stallions brought out three nice colts, the 1st going to a son of the splendid breeding horse, the aged mare class, Lady Darnly, the champion mare of last year, again won 1st and the female championship; Marjory Macgregor, 2nd. Three-year-old mares—Princess Zenda, the champion mare at Omaha last fall, won 1st; Carmen Sylvia, her stable companion, 2nd. Two-year-old and yearling fillies were a superior lot.



SHORTHORN BULL, LORD WILLISON No. 24315. Three years old. Second prize at Toronto and London, 1899. PROPERTY OF J. FRED & SONS, ROSEVILLE, ONT.

Ottawa Exhibition.

With increased entries in all departments, especially among live stock, and with every indication of its being a successful show, it was unfortunately that the weather was so disagreeable during the greater part of the two weeks, which was the duration of the Ottawa Exhibition. When it did not rain, the temperature was generally so cold as to discourage any but the hardest from sitting out the performances in front of the grand stand. However, there was a big attendance on Thursday evening, September 21st, which cheered up the directors' spirits, and we hope that the financial statement will show a balance on the right side. It is extremely doubtful whether a two weeks' show will pay at Ottawa. Nine days, using two for preparation, as has been done at London, will probably give better results. While there is so much to commend in the way things are carried on and the kindly spirit of the officials, there are a few points which might be greatly improved. One is a better system of calling out the horses for judging. An enormous amount of valuable time was lost this year by tiresome delays between the classes. For this, exhibitors are largely, but not altogether, responsible. The method of entering the various entries on the judges' books is quite out of date. In the system now employed each exhibitor carries a number which covers all his animals, and consequently, it is impossible to find out, even in the entry books at the office, which of two or more animals shown by an exhibitor has won in its section. Then there has to be a lot of hunting up of numbers at the office afterwards in order to make out a prize list for the newspapers. The idea is to prevent the judges knowing the exhibitors' names, but, if a judge wishes to be dishonest, he can soon get round this supposed safeguard, and, in any case, after one section is judged, he can easily tell the numbers carried by each exhibitor.

A new rule put in force stopped all judging after 12.30 p.m. each day. While this might possibly work all right in fine weather, in the tricky weather experienced this season it threw judging, which might have been done in fair comfort on the Tuesday, into the disagreeable weather which occurred the day following. On Thursday, the rule had to be suspended, or the judging would not have been finished in the horse classes till the end of the show. As it was, there were still some ponies unjudged on Friday morning. Exhibitors like to have their stock all judged early in the week, and not be kept on tenterhooks unnecessarily long.

HORSES.

There has never been a better show of horses in the Capital City. All the stables were filled with a grand lot of animals, and but few could be classified as below the standard.

THOROUGHBREDS.

Thoroughbred horses have not been largely in evidence at this show for some time, and this year was no exception to the rule. The competition in the aged stallion class lay between the handsome chestnut, Sleight of Hand, the well-known June Day, and Fred B, all three owned by the Russell District Improvement Co., and Gold Fox, shown by Dr. O'Neil, London. After considerable examination, 1st was sent to Gold Fox, who has more substance, but not more quality, than Sleight of Hand, who was placed 2nd, while 3rd went to June Day. Sleight of Hand was the choice of many for 1st place, but the umpire called in to decide between the two judges who had split gave the prize to Gold Fox. The prize for stallion and progeny was captured by Sleight of Hand, as he did last year, his progeny being of a fine, uniform type, well turned and clean. Gold Fox won the sweepstakes for stallions. There were no mares shown. S. B. Fuller, Woodstock, and R. Pringle, Toronto, tied the ribbon in this and all the light horse classes except Hackneys.

CARRIAGE HORSES.

There was a capital turnout of carriage horses and a fair show of carriage stallions. Alex. Blyth, Ottawa, showed Selby Chief in the aged stallion section, and won with him, J. McCandlish being 2nd with King Chief. Selby Chief won 1st for progeny and sweepstakes for stallions as well. W. C. Edwards & Co., Rockland, carried off a couple of 1sts, for a brood mare and a yearling filly. W. Cunningham, Ottawa, had the sweepstakes mare, and also won for a pair 15 1/2 hands and over. Hon. M. H. Cochrane's entry won for single carriage horse of the same height. E. S. Skead, Ottawa; T. C. Bate, Ottawa; N. D. McCosham, Bainsville; and Melville Bleeks, Munster, were among those who got into the prize list.

COACH HORSES.

There was one section for stallions 3 years old and over, which was confined to Cleveland Bays, French and German Coach horses over 16 hands. The 3 prizes went to J. Forth, Glen Buell, for a German Coacher, to W. Hunt, Fitzroy, for a French Coacher, and to A. McGibbon, Merrickville, for a Cleveland Bay.

STANDARD-BREDS.

There were not many Standard-bred horses present; but what were out were good. Hawley Chimes and Larrabie the Great contested in the aged stallion class. They are owned respectively by A. Mackie, Pembroke, and the Maclaren Stock Farm, Buckingham, Que. There was only one 3-year-old shown, by W. Shakespeare, Ottawa East. Hawley Chimes won the diploma for stallions. Two 2-year-old fillies of good type, entered by Dr. Church, Carp, and the Maclaren Stock Farm, were 1st and 2nd. The last named exhibitors had all the three winning brood mares, 1st being the well-known Lucy Carr, a handsome mare, whose foal took 2nd for foals. Lucy Carr also captured the sweepstakes. Larrabie the Great and his progeny won in the section for produce. Hawley Chimes secured the gold medal offered as a special for stallions.

ROADSTERS.

The Maclaren Stock Farm was a prominent exhibitor in this class, winning 1st on aged stallion, the sweepstakes for stallions, and 1st in some of the filly sections, for brood mare, the sweepstakes for mares, and also the red ribbon for single roadster and for pairs. Hon. Clifford Sifton captured 1st for a pair of mares or geldings, 3 years or over, 15 hands and upwards. W. C. Edwards & Co. were to the front in the foal section, the foal belonging to the brood mare which won 3rd place. These exhibitors also showed the 2nd prize brood mare. A Pettipiece, Ottawa E., had the only 2-year-old stallion forward. Jos. Kerr, Templeton, had the best yearling filly. There were ten single roadsters and two pairs shown.

HACKNEYS

were present in fair numbers, and the quality was good. R. Beith, M. P., Bowmanville; Hon. M. H. Cochrane, Hillhurst, Que.; D. & O. Sorby, Guelph; and the Russell District Stock Improvement Co., were the four exhibitors. This class, as well as the high-steppers, tandems, and four-in-hands, was judged by W. E. West, superintendent of Dr. Seward Webb's stud, Shelburne Farms, Vt. R. Beith's well-known Squire Rickell had no competition in the 4-year-old class. Two good 3-year-olds responded to the call. They were Sorby's Woodlands Performer and the Russell District Co.'s Lorenzo, the former by Barthorp Performer, out of Miss

**Baker**; the latter a constant winner at Toronto and other shows while owned by his breeder, R. Beith. The prizes were awarded in the order mentioned. The only yearling was Renfrew, a son of Banquo, a neat colt shown by the Russell Co. The Hillhurst farm had it all to themselves in yearlings, with Matchless Performer and Majestic, a pair of promising colts. The former is by Barthorpe Performer, out of a Matchless of Londresboro mare. A daughter of Seagull carried 1st honors for Beith in the 3-year-old filly class. Four nice 2-year-olds were out. A big brown of the Hillhurst string came in 1st, with another from the same stud 3rd, both being by Barthorpe Performer. Beith's entry was 2nd, while Sorby's filly, which had good conformation, did not get a place on account of not moving well. A daughter of Royal Standard carried the Beith colors to the top of the yearling section, the same owner being also third for another filly. The Hillhurst Farm's Lord Minto was 2nd. The order for brood mares was, Sorby's Miss Baker, Beith's Mona's Queen, and Cochrane's Cameo. In foals, Beith was 1st and 2nd, with Cassandra's and Mona's Queen's colts, Miss Baker's being third. Miss Baker won the sweepstakes for mares, and Squire Rickell that for stallions. The specials offered by the American Hackney Horse Society fell to the Hillhurst Farm—Marjorie, a half-bred, winning in the harness class, and Lady Isabel, a pure-bred, in the saddle class.

**HIGH-STEPPERS.**

These were not numerous, but contained some good animals. Beith won 1st and a gold medal for pairs, with E. S. Skead and T. C. Bate, Ottawa, next in order. In single horses, a bay of Skead's, which had good front action, was placed 1st, Cochrane's and Beith's entries being 2nd and 3rd. Beith won for four-in-hands, and Cochrane for tandems, with Beith 2nd. The latter was at a disadvantage owing to his regular leader being out of sorts and the substitute not behaving well.

**SADDLE HORSES AND HUNTERS.**

A well-mannered saddle horse, shown by the Hillhurst Farm, came in 1st in this section, E. Cardinal and E. S. Skead, Ottawa, being 2nd and 3rd. In heavyweight hunters, Skead won and also the special gold medal. E. Cardinal stood at the top for lightweight hunters. Thos. Nixon, Manotick, had the best half-bred 2-year-old likely to make a hunter or saddle horse. W. C. Edwards & Co. secured 1st and 2nd honors with yearlings, a good pair, sired by Sleight of Hand. F. Richardson was 3rd with one by June Day.

**GENERAL PURPOSE HORSES.**

This class, as usual, contained a mixed lot ranging from light to heavy. While it may be all right to give prizes to females, it seems an anomaly to offer prizes for stallions in this class. Wm. Wilson, Manotick, had the most useful stallion, and got 1st; Geo. Sparks, Vars, had one of medium weight, which was placed 2nd; a lightweight, shown by Jos. McSorley, was 3rd. Brood mares were a very fair lot. An outstanding winner was found in a capital mare of good substance belonging to Wm. Allen. Hull. S. Duncan, Johnson's Corners, and A. Sharp-ley, Gatineau, Ont., won the other two prizes. Wm. Allen also won for foal, for 3-year-olds, and the sweepstakes for mares, with his brood mare. To him also went the special for teams. J. Magee, North Gower, got the regular prize for teams, with a pair of sorrels that moved well, and which won here last year. McGerrigle Bros., Ormstown, had a 2-year-old filly of nice type, which was a winner in that section. J. Tierney, C. W. Barber, A. Scarff, E. Scarff, and W. Hurdman were all prize-winners.

**HEAVY DRAFTS.**

There were some capital horses shown in the imported class, and the sections were very nicely filled. In the aged stallion class there were two fine horses. R. R. Ness, Howick, had Durward Lily, a son of Sir Everard, from the stud of Kilpatrick, Craige Mains, who owns Prince of Kyle. This is a grand horse, with a well-turned body and the best of feet and legs. Levi Bowles, Springvale, showed Waldo, a big one that should breed good ones for the Old Country markets. He was bred by N. P. Clark, St. Cloud, Minn. Durward Lily won 1st and also the sweepstakes for stallions. Three 3-year-olds were out, two of them being Ness'. Of these we thought that 1st would go to Full of Fashion, by Prince of Kyle, out of Brenda (the best Clyde mare in Scotland), a horse that moved like a Hackney, but the judges thought otherwise, and only put him 2nd, 1st going to Lord Chancellor, by Baron's Pride. The Russell Stock Co. came in 3rd with the imported Tom Macgregor, purchased from Robt. Davies, Toronto, a horse that requires a good one to beat him. First for 2-year-olds also went to Ness for Bravado, by Baron's Pride, a Highland Society's winner, and a good one, as well as 2nd for a home-bred one, McGerrigle Bros. being 3rd with McClaskie, by MacInnes, a nicely-topped horse, with good flat bone and good action. D. & O. Sorby had the only yearling stallion, but he was one of excellent type. Ness had the best brood mare, a big, roomy mare, by Jas. Arthur, somewhat inbred. Sorby's Miss Stanley was 2nd, and C. W. Barber's entry 3rd. In foals, McGerrigle Bros. were easily to the fore with a capital colt by McLaws. Sorby had the only 3-year-old, a rare good one, by Prince Patrick. In the 2-year-old class, W. R. McLatchie had the honor of beating the 1st prize winner in Toronto with Royal Countess, a filly that won the sweepstakes here last year, and that made a big fight for it again this season, being only beaten by Sorby's Sunbeam

after much hesitation on the part of the judges. Sorby won for yearlings, and in the team, McGerrigle Bros. and C. W. Clarke having the 2nd and 3rd prize teams. Wm. Allen won for stallion and 3 of his get, showing the stallion that won 1st in the local class. There was only one Shire stallion shown in the class open to imported or Canadian-bred Shires, to which the judges sent 3rd prize.

**CANADIAN-BRED HEAVY DRAFTS.**

This class showed improvement over previous years. Thos. Good's aged stallion, The Marquis, now 10 years, a horse of a good type, carried 1st honors; followed by McGerrigle Bros. McLaws, by General Wolfe, possessing good substance, quality and bone, and a good mover. A. Spratt was 3rd. In 3-year-olds, the Russell Stock Co. scored 1st with Tanahill 2nd, a horse of good style; Arthur Paul's Rob Roy, that had quality and moved well, was 2nd. In the 2-year-old section a long wait occurred, as the judges were undecided what to do with Wm. Horton's horse, which went lame in one of his hind feet. He was the blockiest horse in the ring. As the exhibition veterinary surgeon pronounced the lameness to be unimportant, the judges placed him 1st, the Russell Co.'s entry 2nd, and J. R. Robinson's Fitzsimmons 3rd. The latter is a Shire, bred by J. M. Gardhouse, and has done even better than we expected some time ago. Mares and foals were good. McGerrigle Bros. won for mares with Hutton MacInnes (imp.), that has won largely at Eastern exhibitions. A. Spratt and A. Moffat came next. Spratt was 1st for foals. F. Richardson won for 3- and 2-year-old fillies or geldings, while McLatchie's very nice yearling, by Prince of Quality, out of a dam by Self Esteem, headed its section. Spratt won for stallion and get, and Good got the sweepstakes for stallions. There were no French-Canadian horses shown.

**CATTLE.**

The exhibit of cattle at Ottawa has never been surpassed, and there were many favorable comments on the high quality of the stock. Ayrshires, as is usual at the Eastern fairs, excelled in numbers, but Holsteins were not far behind, while among the beef breeds Herefords were unusually strong and good, as were Shorthorns and Galloways, the other breeds being about the average as regards the total entries.

**SHORTHORNS**

were shown by Capt. Robson, Iderton; R. & S. Nicholson, Sylvan; and Jas. Leask, Greenbank; the latter having forward only the yearling bull which he has shown at Toronto and London, which came in 2nd here to Richardson's Royal Standard, which he beat at Toronto. Capt. Robson won the larger portion of the 1st prizes, Nicholson coming in first for bull calf, and for herd of four calves, besides the 1st prize mentioned above. The sweepstakes for bulls once more went to Robson's Topsman, and that for females to the same owner's Lovely Lorne 2nd. Robson was also 1st for the herd, and for the special for youngsters. John Gibson, Denfield, tied the ribbons here, as he did throughout all the classes for beef breeds, except for fat cattle.

**HEREFORDS.**

The white-faces were out strong, especially in the female classes. The exhibitors were H. D. Smith, Compton, Que., and W. H. Hunter, The Rapids. In comparison with Toronto, Smith were considerably more in some of the female sections. The sweepstakes for both bulls and females and the herd prizes were among the prizes that, as elsewhere, fell to his share. Hunter's aged bull, bull calf and heifer calf were to the fore in their respective sections.

**POLLED ANGUS.**

The only exhibitor of animals of this breed was Jas. Bowman, Guelph, who brought on his stock after a successful visit to Quebec, and won all he showed for.

**GALLOWAYS**

were well represented by selections from the herds of D. McCrae, Guelph, and John Sibbald, Annapolis, the latter of whom had been down east after Toronto Exhibition closed. The result was a good competition, with the balance in favor of McCrae, whose females were victorious in every section. The sweepstakes for females went to his 2-year-old heifer, and the herd prize was also his. Sibbald was invincible in aged and yearling bulls as well. He also carried the sweepstakes for bull of any age. In the section for cows 3 years old and upwards McCrae's extra good 3-year-old here was placed ahead of Sibbald's grand old show veteran, Countess of Glencairn 3rd.

**DEVONS.**

W. J. Rudd, Eden Mills, was the only exhibitor of the "rubies," and consequently won everything for which he had made entries.

**HOLSTEINS.**

There were no less than 79 head of this breed present, and all the sections were well filled. Of the exhibitors who had been at the western shows there were present G. W. Clemons, St. George; C. J. Gilroy & Son, Glen Buell; C. M. Keeler, Greenbank; and A. & G. Rice, Currie's. These were here strongly reinforced by Jno. Drummond, Kilmara; Jno. A. Richardson, South March; G. Dowler, Billings' Bridge; H. McColl, Ottawa; and A. D. Besser, Orleans. Herman Bollert, Cassel, made the awards. Herds were judged first. Here 1st was sent to Clemons, with Gilroy and Keeler next in order. Aged cows were a strong class. Keeler got in on top, with Rice, Gilroy, and Clemons next on the list. Clemons won for aged bulls once more, also sent his way. Gilroy was strong in the 2-year-old bull, the 2-year-old yearling heifer and heifer calf sections, and also won for young herd, and the sweepstakes for females with his yearlings. Keeler's entries for young heifer and for bull calves of both ages captured the red tickets. Rice won, among other things, 1st for yearling bulls and 2nd for young herd. Drummond's aged bull came in 2nd, and he secured a 3rd on young bull calves. Richardson, McColl, and Dowler all got into the prize list.

**AYRSHIRES.**

W. W. Ballantyne, Stratford, and also Alex. Drummond, Petite Cote, had by no means a sinecure when they undertook to judge the splendid array of this breed which awaited their decisions. Herds which had been west here met well-fitted selections from the stock of J. N. Greenshields, Danville, Que.; R. Ness, Howick; Reid & Co., Hintonburg; Jos. Yuill & Sons, Carleton Place; J. G. Clark, Ottawa; and others. Six herds responded to the call. Wylie was placed 1st, Greenshields 2nd, and Ness 3rd. There was a splendid ring of aged cows. Here the Danville herd scored 1st and 3rd, with Stewart in between with Jean Armour, and Wylie 4th. Stewart stood out in 3-year-old cows, and Wylie in 2-year-old heifers, while Ness was strong in some of the younger bull and heifer sections, showing a capital lot of uniform type, including the grand imported yearling bull, Duke of Clarence, by Mischief Maker, which secured the sweepstakes for bulls. Wylie's 2-year-old, Nellie Osborne 2nd of Burnside, was the sweepstakes female. The leading prizes were more or less divided up between

Wylie, Greenshields, Ness, and Stewart. Yuill, Reid & Co., W. Henry, City View; D. Benning, Williamstown; and D. Cumming, Russell, were among those who were successful enough to get into the prize list in such strong company as was found here. In the section for dry cows, in offering prizes for which Ottawa leads the way for other shows, Ness came in 1st, with Yuill 2nd and 3rd.

**JERSEYS.**

In this class of cattle alone was there any falling off to be recorded. None of the western breeders, apparently, had thought it worth while to come east this year, and so it was left for Messrs. R. & W. Conroy, Deschenes Mills, to uphold the honor of the breed, with the assistance of single animals furnished by E. N. Fleming, Toronto; J. D. Anderson, Hindman's Bridge; and J. A. McArthur, Orchard Grove. Conroy won every red ribbon, except that for yearling bulls, which went to Fleming's 1st prize Toronto winner, which also won the sweepstakes for bulls. Anderson & McArthur were 2nd and 3rd respectively for aged bulls.

**GUERNSEYS.**

The Guernsey class was much stronger than it was either at London or Toronto. The Isleigh Grange Farm, Danville, Que., which had not gone west this year, met the herd of W. Butler & Sons, Dereham Centre, which had up to this had a monopoly of the western showings. The Danville herd was in very good shape, and contained a number of imported animals of repute, with excellent skins and dairy type, among them being the 2-year-old bull, The Masher, a son of a winner of three Queen's prizes in the Old Country, a bull of fine quality. Messrs. Butler put up a good fight, but the Isleigh Grange stock won the biggest share of the honors, as will be seen by the prize list. The sweepstakes for bull went to their aged bull, and that for females to the well-known Friesta, who occupied a similar position at the Toronto Industrial last year. Two yearling heifers which won at the New England and Toronto shows in '98 as calves were 1st and 2nd here.

**CANADIAN CATTLE.**

These so-called "Quebec Jerseys" were on hand in fair numbers, the exhibitors being Arsene Denis, St. Norbert; Louis Thouin, Repentigny; and Jos. Dugas & Co., St. Jacques l'Achigan, Que. The herd prize went to Thouin.

**DAIRY GRADES.**

The officials of this show recognize that dairy and beef grade cattle cannot be satisfactorily shown together, and therefore offer a full list of prizes for females and for herd of five females in the two classes into which grades are here divided. The Toronto and London show officials might take lead out of the Ottawa book. There was a fine exhibit of dairy grades, all carrying splendid udders, and looking thoroughly businesslike. The majority of them showed the Ayrshire type and markings, but one of Reid & Co.'s lot was a grand Short-horn grade that has won here before, and which again came into the prize list. Reid & Co. won for herd, aged cow and yearling heifer, as well as the sweepstakes, with his aged cow. R. R. Ness, Whittaker & Sons, J. G. Clarke, and D. Cummings won one or more prizes.

**BEEF GRADES.**

All the 1st and some of the 2nd prizes in each section went to Jas. Leask, Greenbank, who showed the same animals as he had at Toronto and London. Wm. Allen, Hull, was the only other exhibitor, but his cattle, while good, were not fitted up as were Leask's.

**FAT CATTLE.**

In this class Leask again figured, winning all the 1st honors for steers of different ages, and a 2nd for fat cows. Capt. Robson's entry beating him there; Jas. Bowman's Angus cow came in 3rd. Wm. Allen had a number of animals entered, and won 1st and 2nd for three steers for shipping purposes, and four other prizes.

**DEXTER-KERRIES.**

Senator Drummond exhibited the herd of Dexter-Kerries which attracted so much attention last year. The bull, Bantam, again headed the herd, which was awarded a number of prizes.

**SHEEP.**

This department was much stronger than ever before. While every breed was well represented by choice animals sent by western breeders, in most of the classes there were a few head entered by local breeders, while Senator Drummond contributed a strong string in the Southdown class. Richard Gibson, Delaware, was the sole arbitrator in this department.

**COTSWOLDS.**

In this class A. J. Watson, Castlederg, had it pretty much his own way, winning every 1st with his well-fitted flock. Arsene Denis, St. Norbert, secured a 2nd for a ram lamb, and four 3rd prizes. Alfred Denison, Metcalfe, won 2nd for a shearing ram.

**LEICESTERS**

were represented by two well-known breeders in the persons of J. M. Gardhouse, Highfield, and John Kelly, Shakespeare, while Jno. Sibbald, Annapolis, had an aged ram which came in 3rd. Several changes were made in the judging, as compared with London show, where the two flocks of Gardhouse and Kelly had met previously. That has to be expected in the showing. No two judges' ideas are quite alike, and besides they occasionally unintentionally make mistakes. An exhibitor sometimes takes a place higher than he hoped for, and then, at the next show, fails to reach where he expected to be. Gardhouse came out best as regards prize money, but Kelly's two shearing rams were placed ahead of his entries.

(Balance Ottawa Exhibition report will appear in next issue.)

**FARM.**

**Entomologists to Meet.**

The annual meeting of the Ontario Entomological Society will be held in London on Oct. 11th and 12th, 1890.

**One Hundred Dollars in Prizes.**

WHAT PROFESSOR ROBERTSON OFFERS THE FARMERS' BOYS AND GIRLS.

To the Editor FARMER'S ADVOCATE:

DEAR SIR,—“ Like produces like.” Can my own enthusiasm—tempered but not turned by age—can it produce a like quickening power in the farm boys and girls of Canada? I think it will. Many of us have had them “ up before the Lord,” in the most sacred sense of those words, for years; and now the time has come to act in new ways. This is only one of the little first steps in one direction in a great movement.

Since the publication of my statements on the importance of selecting, as foundation stock for seed grain, only heads which carry a large number of seeds each, I learn that many farmers and their sons and daughters have gathered large

heads from the growing crops. Others have arranged to pick large heads from the sheaves in the barn.

I desire to obtain a small quantity of seed from different localities; and also to learn how great numbers of seeds per head of oats and wheat have been secured in different parts of Canada. To gain the co-operation of the boys and girls, and also of teachers, I offer the following prizes for open competition.

FOR THE 100 HEADS BEARING THE LARGEST NUMBER OF SEEDS.

OATS.		WHEAT.	
First prize.....	\$20	First prize.....	\$20
Second ".....	10	Second ".....	10
Third ".....	5	Third ".....	5
Fourth ".....	4	Fourth ".....	4
Fifth ".....	3	Fifth ".....	3
Sixth ".....	2	Sixth ".....	2
Seventh ".....	1	Seventh ".....	1
Eighth ".....	1	Eighth ".....	1
Ninth ".....	1	Ninth ".....	1
Tenth ".....	1	Tenth ".....	1
Eleventh ".....	1	Eleventh ".....	1
Twelfth ".....	1	Twelfth ".....	1
Total.....	\$50	Total.....	\$50

The whole of each lot of 100 heads should be picked from one variety, grown in one field, and only from a crop which has given a large yield per acre.

I shall want every competitor to furnish from the same crop ten (10) heads with the smallest number of seeds per head which he or she can find. But the number of seeds in the small heads will not be considered in making the awards.

I hope the boys and girls will not trouble to write for further information, but select the 100 largest heads of grain and save them carefully with the grain on.

Full particulars regarding the report to accompany the heads, and some other matters, will be given in the next issue of the FARMER'S ADVOCATE.

I shall watch with keen interest the part the boys and girls and teachers take in this movement for the improvement of the crops of the country.  
JAS. W. ROBERTSON.  
Ottawa, 18th Sept., 1890.

Preserving Seed Potatoes.

We hear repeated complaints about poor crops of potatoes, and one of the chief causes of failure has been the poor growth made by the seed. A potato-grower who understands his business greatly dislikes to plant anything but sound seed that has not sprouted, and if he is to have such seed to plant, he must keep his potatoes, from digging time to planting time, so that they will not deteriorate by sprouting, heating, freezing, or other causes. Farmers as a rule do not fully appreciate the injury sustained by the seed sprouting. The first sprout makes the strongest plant, and when that is broken off nature will send out a second sprout from the same eye, but it will be much weaker. If potatoes are kept warm all winter and sprouted two or three times, they will be almost worthless for seed or eating either, as the tuber is then well-nigh exhausted. Since like produces like, it pays to plant good-sized seed of smooth form, and enough of these can be selected at digging time to plant next spring. Now, in order to keep these properly, they should be stored where it is dark and the temperature is down near the freezing point. If potatoes are put away dry and clean and under these conditions, there need be no fear but what they will make good seed when wanted next spring. Some potato-growing specialists have their seed held all winter and spring in cold storage, but this is hardly practical for the ordinary potato-grower. A compartment of the cellar where no effect of fire reaches can be held about right with care during the winter, but the trouble arrives with the warm days of spring, when the windows (double) should be opened on cool nights and kept tightly closed and dark at other times.

Perhaps the safest plan, however, is to pit them in pits about three feet wide, on top of the ground where water will not lodge. One hundred bushels can be put in a pile of this width and about thirty feet long. When the pile is nicely pointed up cover with straw to the depth of four or five inches (pressed down), putting a layer of forkfuls around the base, then another above and lapping over the first, and so on up, which will tend to shed water. Now cover with three or four inches of earth, then, when this is frozen and before it gets cold enough to run any risk of injury to the potatoes, put on another layer of straw in the same way and thickness, and about eight or ten inches thick of earth, topping out well so as to shed water. The two air spaces of straw should keep a uniform temperature without fear of frost or heating in the pile. Of course, the potatoes should be dry, and thoroughly cooled for some time after being dug, before the piles are closed up, or some heat may generate. Along about the middle of March, when the ground over the pile is frozen solidly, the pit should be covered from one and one-half to two feet deep with straw to keep it frozen. Of course, the warmth from below will gradually take the frost out and warm up the pile, but not nearly as quickly as this influence together with the sun and rain. Potatoes kept in this way until they are needed to plant, will do their part in providing a maximum crop of tubers in the fall of 1900.

Fall Cultivation and Plowing.

To the Editor FARMER'S ADVOCATE:

SIR,—The subject of fall cultivation is one that I would like to see pretty fully discussed through your columns. It is, as you intimated, a subject of increasing interest, and I might add, of very great importance, because in my judgment a man's success as a farmer depends very largely on the way in which he manages his fields during the fall months.

Do not know that I have any new ideas to advance, because, in the main, we are following the "good old-fashioned way"; but I will endeavor as briefly as possible to give you an outline of our method, together with a reason for the faith that is in me, in the hope that I may, perhaps, induce some abler pen than mine to take the subject up and give to it that prominence and thorough discussion which its importance would seem to warrant.

We have adopted a short rotation in which a clover sod is plowed under every four years, so that every fall about 50% of our stubble land has been seeded to clover. The balance is gang plowed as soon after harvest as the conditions will permit. We use a two-furrow gang plow, holding it firmly, and doing as thorough work as possible. On soils of a free, open texture, the purpose might, perhaps, be just as well served by a disk or spade harrow, followed by a broad-share cultivator; but on a tolerably heavy clay loam such as we are working, I know of no other implement on the market that will do the work as satisfactorily as a good-running gang plow properly handled.

This gang plowing after harvest I believe to be one of the most important of all the tillage operations of the year, whether it be for the destruction of weeds or to mellow the soil and unlock fertility.

After gang plowing we harrow thoroughly, and start the single plow as early as possible, or at least early enough to get all the cross-plowing done before the land gets too soft and wet. I have noticed frequently that the fields that were plowed the previous fall, while they were dry and hard, work up freer and nicer in the spring than those that were plowed a little on the wet side.

Of course, there is a happy medium when land may be said to be in the best possible condition for plowing; but since we cannot get it all plowed just when it is at its best, we think it better to get it done a little early rather than a little late. Early plowing, too, is more effective than late in the destruction of weeds.

I believe that we cannot easily attach too much importance to the manner in which the fall plowing is done. I believe that just here is where we farmers very often allow our carelessness to interfere with our prosperity. The ideal ridge is plowed in narrow, evenly-turned furrows, laid fairly well up on their edge, in order to expose to the weather as large a surface as possible. Especial care should be taken to give the ridge a gradual regular slope from crown to finish, leaving no pockets or depressions to interfere with the free drainage of the water.

We are not plowing as deeply as we did; say about five inches, when formerly we plowed seven. We are every year being more and more converted to the shallow system of cultivation. I believe that the principle advocated by Mr. Rennie is correct, viz., that we should keep the decaying vegetable matter as close to the surface as possible, and cultivate the lower layers of soil by means of clover roots and winter's frost.

We plow our corn stubble as shallow as we can hold the plow, say 2½ or 3 inches, so as to cut the roots off just below the surface. We find that in this way we can harrow the stubble nearly all to pieces the next spring, and so have less trouble with it than by any other plan that we have tried.

After plowing all our stubble land, we plow what we can of that part of our clover sod which is intended for roots or grain the following year. The balance, which is intended for corn, we never plow until spring.

The plow is in every case the last implement on our fields in the fall. We never harrow or cultivate after the plow. The principle that we seek to observe from start to finish is to *weather* the soil as much as possible, without pulverizing it any more than is necessary.

If land of a clayey nature is worked down too fine in the fall, it will run together during the winter and work up the following spring tough and soggy; but if handled after the manner that I have described, leaving it open and porous, the oxidizing influence of the air circulating through it during the fall and winter will not only unlock the latent plant food, but will cause the soil to flocculate, so that the following spring it will work down "as mellow as an ash-heap."

I will close by repeating the hope already expressed, that what I have said may be the means of drawing out some valuable discussion on this very important subject.  
A. P. KETCHEN.  
Huron Co., Ont.

No Farmer Can Afford to do Without the "Advocate."

I may say in reference to the ADVOCATE, that I do not think any farmer can afford to do without it.  
J. A. SMITH.  
Austin, Man., Aug., 1890.

The Ogilvie Milling Co. are going to erect large elevators and a grist mill at Fort William. Another sign of the growth of the West.

Fairs of 1899.

CANADA.

North Perth, Stratford.....	Oct.	3 to 4.
Arran Tara, Tara.....	"	3 " 4.
South Oxford and Dereham.....	"	3 " 4.
British Columbia, New Westminster.....	"	3 " 6.
Six Nations, Ohsweken.....	"	4 " 6.
East York, Markham.....	"	4 " 6.
North Renfrew, Beachburg.....	"	5 " 6.
South Norwich, Otterville.....	"	6 " 7.
"World's" Fair, Rockton.....	"	10 " 11.
Burford, Burford.....	"	11 " 12.
Caledonia.....	"	12 " 13.
Orford, Highgate.....	"	13 " 14.
Norfolk Union, Simcoe.....	"	17 " 19.

UNITED STATES.

St. Louis, St. Louis, Mo.....	Oct.	2 to 7.
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DAIRY.

Home Dairy Buttermaking.

BY GEO. RICE.

I am inclined to think that the aroma of butter is mostly affected by feed, at least primarily. The aroma of June or grass butter is the highest, other things being equal. Of course, if cows eat weeds or drink foul water it will not be, but as our work in the butter line comes in winter, the problem is to have an equal flavor then, and we are able to do so by feeding good wholesome food. Roots, ensilage, bran and clover hay are our mainstay. As milk bears so close a relation to the blood, if not derived from it, whatsoever contributes to keep the blood and system in high tone must necessarily have an influence upon the milk production, both quantity and flavor. I take issue here with those who are forever belittling one of our very best foods; that is, roots. I know from my own experience that feeding turnips, when done at the proper time, does not injure the flavor of butter, but I believe, on the other hand, by purifying the blood, is a benefit. I feed roots twice every day from November to May, mostly turnips, and see the records our cows make! I have a private creamery plant, and sell our own butter at top market prices of Toronto market, which is the best of proof that our system of feeding is all right; in fact, the aroma and flavor are pronounced very fine. Of course, turnips can be abused by feeding before milking, but there are many other things that need attending to.

I should say the most general bad practice is in caring for the milk. Some seem to think milk in winter does not need aeration. A too general practice is to put the milk in a large can in a cold place, and let it alone. The result is a scum forms over the milk as well as cream, and the animal odor has no chance to escape. The milk gets cold, most likely freezes some, and to thaw it out the next mess of warm milk is poured right into same can, which makes a double bad practice. Milk should not be frozen, and warm milk should not be added to cold milk until aerated and cooled to 60°. I consider the simplest way to aerate milk is to keep it in pails, and stir or pour occasionally to keep the cream from forming over the top, as even in pails a film will soon form that retains heat and odors. I consider the care of cows and their milk as of first importance. No one can make a fine-flavored butter out of a poor-flavored milk. Though milk not aerated may have no particular bad flavor, yet it is "dead" or "flat."

Texture of butter is largely under control of the buttermaker. Cream must be at the right temperature for at least an hour before churning, as too warm cream will produce too soft butter. Butter, no matter how nice the grain when churned, can be spoiled by overworking, and especially in a warm room. To make nice butter I churn at 58° to 62°, wash water 55° to 58°, salt and let stand for awhile, and work, keeping temperature of room at 58° to 60°. Attending to temperature is, I consider, the best way to make a uniform article.

As to keeping quality, I know nothing about it, as I want to make butter so good it will not need to be kept, but consider a really fine article will have the best keeping quality. An attractive appearance is very important. Not only does it please the eye, but we are wont to associate tidiness with cleanliness all the way through. If placed in tubs, they should be neat and clean outside. If wrapped in butter papers (pound prints), pains should be taken to have the paper tight and ends folded neatly.

Brookbank Farm, Oxford Co., Ont.

Convention of Cheese and Butter Makers.

At a meeting, at London on Sept. 13th, of the Board of Directors of the Cheese and Butter Makers' Association of Western Ontario, of whom were present President T. B. Millar, Vice-President Geo. H. Barr, Secretary John Brodie, Geo. E. Goodhand, James Morrison, W. W. Brown, and T. E. Nimmo, it was decided to hold their next annual convention at Ingersoll, on Jan. 31st and Feb 1st, 1900. An exhibit of cheese and butter will be made a special feature of the gathering, when \$150 will be given in cash prizes. Fifty dollars have been granted by the town of Ingersoll for prizes, as well as the use of a free hall, together with light and heat for the meeting.

POULTRY.

Fall Care and Feeding of Chickens.

BY J. E. MEYER.

As cold weather is coming, it is necessary that we take every precaution with our young chickens to keep them from taking colds. Everybody knows that cold or distemper in a flock of young chickens means great loss, for not only is it catching, but it reduces all that take it very much in flesh. If neglected it turns to roup. Nothing can be more discouraging than to find the chickens you intended for market grow thin, and the pullets that you wish for winter layers lose their flesh and go back instead of forward. It simply means that a very large portion of the food and care you have bestowed on them is lost. To avoid this see that the chickens are kept in small colonies of 15 to 20 at night. See that each colony is composed of chickens of the same size. Their sleeping place should be proof against rain and tightly closed on three sides so that there is no possibility of drafts. Any style of a coop will do. We prefer a wooden bottom during wet fall weather to the ground, because it is easier kept clean and dry. The ground will get damp, especially as it is necessary to move a coop with no floor every day or two to keep it clean. Scrape the floor of the coop clean every couple of days and sprinkle it over with dry earth or plaster to keep it sweet. Spray with coal oil occasionally to keep lice away. When the wind is high and cold we turn the coops so that the chicks will be well sheltered and even hang an old sack partly over the front to keep out the storm.

Besides keeping your chickens in small colonies of equal age, keeping them in tight (free from draft) coops and keeping their roosting places perfectly clean, you must feed liberally during this season of the year. Before describing our

METHOD OF FEEDING

we wish to add that birds that take to roosting in the trees will be all right until pretty cold weather comes—for about a month yet. We allow them to roost in trees if they wish to. As the cockerels that we wish to kill get large enough for us we remove them from the colonies and put them in to fatten, and thus we give the pullets more room. We feed these pullets as follows:

Mornings a mixture of middlings and ground oats, equal parts, with a little bran moistened with milk or water. Put into V-shaped troughs. A handful of linseed meal to every four quarts of this mixture and a little salt will be beneficial. Feed all they will eat up in two hours' time, or so they will eat all they want at the time and leave a little. This meal should be before them as soon as they can see to eat.

At noon feed, using same troughs, wheat, barley or oats. Don't feed more than they will eat up readily, because they should be hungry at night. At night we feed same as morning, only do not give more than they will clean up and then give them all the wheat they will eat the last thing before going to roost. We continue feeding the pullets in this way right along, adding cut green bones three or four times a week, as soon as the weather gets cold enough so that the bones will keep fresh for about a week.

THE COCKERELS

we place in small pens, putting 8 to 12 in a pen 6x8, for ten days to two weeks before killing them and feed them one part corn-meal, one part crushed oats and one part middlings, moistened with milk of any kind. We feed all they will eat of this three times a day, putting it in a trough and at night give all the wheat or cracked corn they will eat besides. Keep a box of grit and clean water always before them.

Your aim should be to keep your pullets growing as fast as possible so that they will lay during the winter, and your success will be assured if you keep them from crowding, keep them clean and healthy, and feed them liberally.

APIARY.

Uniting Weak Colonies.

BY MORLEY PETTIT, ELGIN, ONT.

Weak or queenless colonies may be united in such a way as to make strong queened ones. There are various conditions which render this necessary.

A colony preparing to swarm builds a number of queen cells and rears young queens. When these are within a few days of hatching, the swarm issues, accompanied by the old queen. Of the queens that hatch, the one which becomes queen of the "parent" hive takes her mating flight and becomes impregnated. The parent hive is left quite weak by the departing swarm; but if this happens in the honey season it is soon repopulated by the progeny of the young queen. If, however, the swarm issues late, very little breeding is done and we have a young queen in a weak colony. Many claim these late queens to be the best layers for the following season.

Queenless colonies usually become so during the mating of the queen. A cold wind may keep her at home and hinder her mating or prevent her return to the hive if she does fly out. This, of course, cannot be avoided; but it points out the necessity of examining every "parent" hive before the end of the

breeding season to be sure it has a queen. The presence of a laying queen can easily be detected by eggs or very young brood in the middle combs of the hive. Again, the young queen returning from her flight may become confused and enter the wrong hive. To avoid this, the hives, if uniform and in even rows, should be interspersed with boxes or other landmarks placed every fourth or fifth hive and projecting in front of the row.

When two hives are to be united go to them in the evening and remove half the combs from each. Leave the fullest and best-formed ones, spacing them to one side of the hive with a dummy [A board which takes the place of a comb.—Ed.] to separate the last one from the empty half of the hive. If they both have queens, find and destroy the poorer or older one. In twenty-four hours the bees will have discovered their loss and will be willing to accept a new queen.

The following evening carry the queenless hive and set it beside the other. Open each by removing the cloth or honey-board, using as little smoke as possible, and sprinkle the bees freely with sweetened water scented strongly with peppermint. Almost drench them. They fill themselves with sweet, the peppermint counteracts the distinctive scent, and the bees of two colonies mingle in one hive without stinging. Some advise smoking at the entrance and jarring before opening to cause them to fill themselves with honey; but this excites the bees and does more harm than good. Removing the dummies, lift the combs from the queenless hive and set them, bees and all, in their original order, in the empty half of the other. The dummies are used to prevent the bees making a bulging cluster on the outside comb, which interferes with proper spacing when the hive is filled. Close the hive and blow a little smoke in the entrance. As half the bees in this new hive are on a strange stand, precautions are taken to insure their safe return when they first fly out in the morning. An alighting-board is set on edge in front of entrance. The bees, being compelled to go around the ends to get out, discover that their home is changed, and circle about to locate themselves before flying away. In spite of this, however, many go back to their old home and fly about for some time unless old landmarks are removed as much as possible. If other hives are near they may try to enter them and probably meet their death at the entrance; but in this case, if an empty hive be set on the old stand they soon return to their new home.

Uniting weak colonies is done in October when the hives are being overhauled to insure proper combs and fed for winter and spring. By another method, when the bees of both swarms have been well smeared with the syrup, the queenless ones are shaken onto the alighting-board of the other and allowed to run in. In this case it may not be necessary to kill the poorer queen beforehand, as she can be easily distinguished and caught on the alighting-board as the bees spread themselves over it while going in. The best combs are selected from each to make up the new hive. The disadvantage of this method is that the strange bees mix at once with those in the hive and are more apt to be stung; whereas, by the former method the mingling is very gradual and involves less danger.

GARDEN AND ORCHARD.

The Meeting of the American Pomological Society.

One of the most successful meetings ever held by the American Pomological Society was that which convened at Philadelphia, Pa., on September 7th and 8th. The programme was made up of many valuable papers on practical as well as scientific subjects, and there were many notable men present from all parts of America. It is impossible to give, in the space at command, anything like a complete report of the many papers presented, and we can only select a few of those which seem most likely to be of interest and practical value to the readers of the FARMER'S ADVOCATE.

*President's Address.*—President Watrons, in his opening address, urged that more systematic efforts be made toward the breeding of fruits adapted to the particular regions in which they were to be grown, and that in choosing material for such work the selections should be largely confined to those botanical groups which grow naturally in the region, or to foreign introductions from similar climates. One needs only to recall the experience of American pomologists with Russian apples to appreciate the value of this suggestion. The craze for these apples has somewhat abated at present, but it is not long since anything in the shape of an apple tree which came from Russia was considered as worthy of trial; the simple fact that they were hardy in their own country under trying conditions being accepted as proof that they would succeed anywhere in America where climatic conditions were unfavorable, whether these unfavorable conditions at all resembled those to which the tree had formerly been subjected or not. President Watrons also suggested as one of the most imperative needs of the day, that the facilities for the distribution of fruit should be improved. Under present methods fruit may often be a glut in the market in one place and be comparatively scarce in another, thereby depriving the grower of profits and the consumer of fruit. Some method must be devised, either by forming shipping associations or otherwise, by which this evil may be remedied.

*Culture.*—Mr. J. H. Hale, of South Glastonbury, Conn., spoke on the subject of "Culture," and if everyone present would carry out his directions and see that his neighbors did the same, this meet of the American Pomological Society would be a success though it accomplished no other result. Mr. Hale markets annually more peaches than any other one man in America, and his fruit is of such a quality as to command a fancy price when other peaches may be difficult to dispose of, and the methods by which he is able to accomplish this are certainly worthy of careful study. Mr. Hale began by saying that he first learned the value of culture, or cultivation, many years ago in an attempt to kill the couch grass in two and one-half acres of corn. With this object in view, he cultivated often throughout the season, and as a result he had a splendid crop of corn, while his neighbors, who cultivated only moderately, had scarcely any corn, owing to the prolonged drought of that year. Mr. Hale said he was glad that the Creator of all good things also created weeds, for were it not for the blessing of weeds two-thirds of our growers would not cultivate one-quarter enough; they don't cultivate half enough as it is. He ventured the assertion that on the majority of the so-called "worn-out farms," by cultivating the land twice a week it is possible to grow the best of fruit without any fertilizer whatever. He then cited two adjoining farms near his own peach orchards in Georgia, both of which were set to peaches and both were exactly alike except that in one case the owner cultivated intelligently and persistently, while in the other, two or three cultivations sufficed. As a result, the past season, No. 1 sold his peaches, of which he had a splendid crop, at from \$5 to \$7 per bushel, while No. 2 was able to realize only from \$1.25 to \$1.50 per bushel. Study the market, he said, and find out what is wanted, and why, and then grow it. He urged the value of fruit exhibits in educating people to distinguish between good and poor fruit and to appreciate the former, and, as an example of the effect of such exhibits, he cited the city of Boston, which, he said, was one of the best markets in America for good fruit. He attributed this to the influence of the weekly fruit exhibits which the Massachusetts Horticultural Society has held in Boston for many years past. Mr. Kellogg, of Michigan, said he would endorse all that Mr. Hale had said, but he wished to caution growers that if they gave persistent cultivation, they must look to it that they supplied plenty of humus to the land, as cultivating exhausts the humus in the soil, and it may be possible to injure land by too constant cultivation without returning the humus to the soil, either in the form of barnyard manure or cover crops plowed in. Mr. Hale replied, "I will concede the value of humus, and it may be that in one case out of a thousand land is injured by too much cultivation, but don't let growers know it. Let the one man in a thousand go on and ruin himself by cultivating, and the other nine hundred and ninety-nine of us, who don't cultivate enough, but who do cultivate more than we might if we thought it possible to overdo the thing, can make it up to him out of our extra profits. It may be possible to overdo culture, but don't give people that notion, for too many of them will like it."

*Flower Buds of the Peach.*—Prof. J. C. Whitten, of the University of Missouri, gave a most interesting discussion on the "Relation of Color to the Growth of Flower Buds of the Peach." Everyone will remember Prof. Whitten's bulletin on whitewashing to prevent winter-killing of peach buds, and his discussion at the Philadelphia meeting was further evidence along this same line. He began by saying that many plants which hold their leaves over winter, and which are naturally green in color, change to a reddish color on the approach of cold weather, the explanation being that by this change the plants are better able to utilize the warmth of the sunshine of winter, light-colored foliage absorbing less heat than green, and green less than purple or reddish foliage. It is a well-known fact among peach-growers that there is a marked difference in the color of the twigs of different varieties, some being a dark purple or red, while others are green. Prof. Whitten found by careful tests that the temperature of these different twigs varied with the color, the purple ones being very much warmer under the same conditions than the green, and he further found that the early swelling of the fruit buds varied with the color of the twigs. To this early swelling of the buds, more than to extreme cold weather, is due the winter-killing of the fruit buds, and it was this discovery which led Prof. Whitten to resort to whitewashing as a means of protection. He advised that in breeding for new varieties of peaches, growers should select those sorts which have green twigs, as they are much more likely to pass the winter successfully. In proof of this he cited an instance where in an orchard containing a large number of varieties, only four sorts had any live fruit buds on them in the spring. Of these four, the Snow, which has green twigs, had 65% of live buds, while of the other three, the largest number of live buds was 15%. In speaking of whitewashing peach trees, Prof. Whitten stated that it was noticed that trees so treated during the winter were entirely free from leaf-curl, and also that whitewashing had proved very successful in preventing sun scald.

*Evils Attendant on Prevailing Methods of Marketing.*—Mr. J. W. Kerr, of Denton, Md., discussed this subject, his conclusion being that the greatest evils were, 1st, dishonesty in packing fruit, and 2nd, the lack of proper facilities to determine to which

markets fruit should be shipped. He would sort and pack fruit honestly and carefully, put the grower's full name upon it, together with some distinguishing trade-mark, and then select some good market and stick to it year in and year out. In the discussion which followed, Mr. Evans, of Missouri, one of the largest growers of peaches and apples in that State, said that they had found it most convenient and profitable to sell on the car track, and have the middleman take the risks and shoulder the responsibilities from that time on, but Mr. J. H. Hale objected that this was but a poor way out of the difficulty, since the middlemen were not in the business for their health alone, and what they got out of it the grower ought to get. He agreed with Mr. Kerr that the remedy lies in packing "straight," marking with your own name and selling always to the same man. The result would be that the consumer, seeing the goods and knowing the quality, would say "I want so much of this fruit," and the price paid would be a secondary consideration.

**Plant Individuality.**—Prof. G. Harold Powell, of Delaware, in discussing "The Importance of the Plant Individual in Horticultural Operations," said that the time had passed when nursery trees could be considered as satisfactory merely because they were well-grown and true to name. Heretofore large and well-formed trees were what was desired, and nurserymen had grown them, and other considerations had been of minor importance. Now, however, orchardists were realizing that the character of the tree from which the scion was cut had a direct and important influence upon the character of the offspring. He cited the case of an orchard of Spitzengrub apples, which several years ago were all severely attacked with apple-scab, a black spot, with the exception of one tree, the fruit of which was entirely free. This fact would indicate that this one tree was better able to resist this fungus than the other trees, and in the opinion of Prof. Powell, nurserymen would be justified in expecting that a fair per cent. of nursery trees grown from scions taken from this tree would be similarly resistant to this disease.

**Horticulture at the Paris Exposition.**—Col. C. B. Brachett, United States Pomologist at Washington, D. C., told of the preparations being made to give a satisfactory exhibit of the horticultural products of the United States at the Paris Exposition. In Colonel Brachett's opinion there is no other way in which the fruit of a country can be better advertised and foreign purchasers shown what a country has for sale than by making such exhibits in foreign countries. So far as pecuniary returns are concerned, fruit exhibited in a fresh condition is probably the best advertisement, since intending purchasers can then see exactly what they may expect to secure in the country making the exhibit.

F. C. SEARS.

Nova Scotia School of Horticulture.

## 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.

#### TO DRY A COW.

E. C. B., Perth Co., Ont.:—"Kindly let me know, through the next issue of your paper, of some cheap prescription or easy method of stopping the flow of milk in aged cows without reducing the flesh, prior to fattening on the grass."

[Give a dose of Epsom salts, 1½ lbs.; ginger, ½ oz.; dissolved in 1 quart hot water; and drench when cool. Keep the cow in on dry food, do not milk her out clean, and milk at irregular intervals. Apply colorless tr. iodine to the udder once a day. This should check the flow of milk and assist in accomplishing the desired end. It will deplete the cow's condition somewhat.]

#### RAM WITH ONLY ONE TESTICLE DOWN.

R. D., Wellington Co., Ont.:—"I have a ram which shows only one testicle. Is he safe to depend on as a breeder?"

[We would not be afraid to use a ram with only one testicle down, but would take precaution in this way: Before turning him with the ewes paint his breast with red paint so that he will mark all the ewes as he serves them. When all have been served and the first ones have gone three weeks, if several go back to him again it would be well to put in another ram whose breast is painted blue or black. In our experience, rams such as R. D.'s are about as sure as those showing both testicles, but we have invariably made it a rule to put in a second ram late in the season painted as we have stated, so that those not holding from the first ram will have another chance, and the last color put on the ewes will indicate the sire of the lambs.]

#### COWS WITH SORE MOUTH.

J. C. B., Middlesex Co., Ont.:—"Can your Veterinary Department tell me what ails my cow? She couldn't eat easily, and an examination of her tongue showed that the skin was off in patches. We kept her in and fed her hay, green fodder, shorts, chop, bran or anything she seemed able to eat, letting her out at nights. She is all right again, but another cow is similarly affected, but is getting better. However, my neighbors say it will

keep recurring until the cow is fit for nothing. The first symptoms we noticed were frothing at the mouth and inability to eat. The appetite was all right as soon as they could chew. Can you tell me the probable cause and a cure?"

[The fact that the tongue healed and the cow went on eating soon after her feed and quarters were changed, it would seem that the trouble was caused by the food she was getting. Sometimes coarse cornstalks will cause the tongues of cattle to become sore. It would be well to withhold any rough food that would be liable to cause the trouble referred to, and give any that are affected 2-dram doses, twice a day for a week, of iodide of potass., which will cause rapid healing of the sore parts.]

#### DISTEMPER.

J. L., Wellington Co., Ont.:—"I have a two-year-old imported colt which has a very bad cold, with symptoms of distemper. Glands and legs badly swollen. What treatment would you recommend?"

[A good veterinary surgeon should be called in to treat him as soon as possible, as he is liable to become thick in the wind if not relieved very soon. The following is a good treatment for distemper: Rub the glands well with white liniment, made as follows: Half pint of water, 2 ounces spirits of turpentine well shaken, 1 hen egg beaten up, 2 ounces methylated spirits of alcohol, and enough hard water to make one quart. Shake well for several minutes after the introduction of each ingredient. It may be necessary to apply a hot poultice to the throat at night for a few days. Give a teaspoonful three times a day on the tongue or in a mash of saltpeter and sulphur, equal parts. The colt should be kept in a well-ventilated stable and clothed comfortably to avoid chills.]

### Miscellaneous.

#### BUILDING STONE WALL.

FARMER, Bruce Co., Ont.:—"1. What is the customary measurement of a perch of stone wall? 2. Can the mason claim pay for all the openings in wall, such as window and door spaces? 3. Do you consider a wall first-class that has numerous holes through it, allowing daylight to shine through?"

[1. It is the usual custom to consider a perch of stone wall as being 1 foot high and 16½ feet long, without regard to the thickness. The thickness, however, should be agreed upon with the mason in making the bargain to have the work done, and the price fixed accordingly.

2. It is customary for the mason to receive half pay for the openings in walls up to ten feet square.

3. A first-class wall should have no holes through the masonry except those intended to be left for ventilation, drainage, etc.]

#### A QUESTION ASKED RE FROSTPROOF COVERING FOR WATER PIPE.

EPPING, Grey Co., Ont.:—"I have an underground pipe that conveys the water from my well, with windmill attached, to my barn, a distance of about 300 feet. The pipe is about three feet below the surface. During the cold weather last winter it froze up, which caused me a great deal of inconvenience. Is there any system of putting down those pipes to keep the frost out? I am aware if I put it down deep enough that I will have no trouble, but it is not convenient for me to go much more than three feet. Would an air space over the pipe do any good, or wrapping the pipe with tar paper? I would like to hear from someone that has experience in this line."

[We cannot speak from experience in this matter, but would consider an insulated air space would answer well to keep out the frost. A wrapping of mineral wool should prove a perfect non-conductor of frost. Will readers give us the benefit of their experience?]

#### STARTING TROUT PONDS.

OLD SUBSCRIBER, Norfolk Co., Ont.:—"I have a spring on my farm that runs the year round, and I would like to dig a pond for fish, to be supplied from that spring. How large and deep should it be to supply one family with fish? Where can I get trout or pickerel spawn? Or would it not be cold enough for those fish? Will it need protection by trees? Please answer through the columns of the ADVOCATE, and oblige."

[A pond having 8,000 square yards of surface should be large enough, if well stocked, to supply a large family of fish-eaters. The deeper the center of the pond is the better, but it should not be less than four feet. It should slope up, to be shallow at one edge. It is not necessary to have shade trees, but a board shelter should be provided. Trout or pickerel spawn or fry can be secured from the Government fishery at Newcastle, Ont., or from Chas. Wilmot, Credit Forks, Ont. Geo. Garnham, Guysboro, raises trout fry for the market. It would not be wise to start with spawn, but 10,000 fry or 1,000 yearlings should be put in next spring, which will give good fishing in 1901. The yearlings could take care of themselves if fed in the large pond, but fry should have a small 20- to 30-foot square nursery pond, covered with wire netting, where they could be protected and well looked after. This pond should empty into larger one. See reference to this subject in 1898 Christmas number of FARMER'S ADVOCATE, in article on Mr. W. E. H. Massey's farm. The fish will require feeding on grated liver and a little oatmeal.]

#### ICE HOUSE PLANS.

W. G., Sudbury Co., N. B.:—"Can you give me the dates of the FARMER'S ADVOCATE in which have appeared articles, illustrated or not, on ice houses and how to build them, say within the past year or two?"

[See our issues of January 15th, 1898, page 32; September 1st, 1898, page 409; January 15th, 1897, page 35; and January 1st, 1897, page 8.]

#### ROOT PRUNING.

A SUBSCRIBER, Cumberland Co., N. S.:—"Is deep plowing among fruit trees where it interferes with the roots injurious?"

[We find many of the best orchardists of the present day doing most of their cultivating by means of disk, spring-tooth or some such cultivator, and only plowing in spring when a cover crop has to be turned under, and then not plowing deeper than 5 or 6 inches. When trees are putting forth too much wood growth and not bearing fruit, root-pruning is helpful, but ordinarily as little as possible of it should be done.]

#### RED MAPLE DYING.

S. S. M. HUNTER, Renfrew Co., Ont.:—"We have a red maple tree, ten years old, which has always appeared very healthy, but within the last ten days has shown disease of some kind. The leaves roll up and drop off. Can you suggest any remedy, and what is likely to be the cause?"

[It is difficult to say with certainty what is the cause without seeing the tree. This much may be said, however, that the red maple thrives best in moist soil, and when it is planted in dry soil they are very liable to die, especially during a dry season. In cities, where granolithic sidewalks and asphalt pavements are becoming common, trees, especially red maples, suffer, as it is impossible for much moisture from above to get into the soil. In Ottawa trees are dying from this cause.]

W. T. MACOUN, Horticulturist.

Central Experimental Farm.]

#### ENGLISH PLANTAIN

*(Plantago lanceolata)*

RETSEF, Norfolk Co., Ont.:—"I herewith enclose a plant for identification, its habits, and means of destroying it."

[The plant sent us is a species of plantain, technically termed *Plantago lanceolata*, because of the slender lanceolate form of the leaves. It is sometimes called rib-grass, and has become a source of great annoyance in many districts into which it has been introduced from Europe. It comes up from seed, reaches maturity and dies in one season. Its leaves are long, ribbed, hairy, and narrowed at the base. The seed-spikes somewhat resemble timothy heads, but are shorter and thicker. These are usually supported on slender stems about a foot high. Several spikes are commonly borne by each plant. The plant continues to grow throughout the greater part of the growing period of the year. It is most troublesome in meadows and pastures. A good means of dealing with a meadow infested with plantain is to plow it as soon as the hay is cut, and keep the surface well worked until late in autumn. Grow a well-cultivated hoed crop the following season. If the weed appears in tilled fields, plow lightly just after harvest, and cultivate well till fall, then next season grow a soiling crop, hoed crop, or summer-fallow the field.]

#### POULTRY HOUSE FROM OLD FRAME DWELLING.

SUBSCRIBER, Ontario Co., Ont.:—"We have an old frame house which we purpose using for a hen-house. The walls have been filled in with sawdust and lathed and plastered. Would you please inform us what method to pursue to make it frostproof. 1. Would you suggest concreting the walls inside or bricking? 2. The building is eighteen feet by twenty-four. Would that be large enough to accommodate one hundred hens? 3. We intend putting the building on a stone foundation. Would a double flooring be required?"

[1. Either brick or concrete wall would answer well if built on a stone foundation, and of these we would prefer concrete if it can be kept from freezing until it has become thoroughly dry. It seems to us unnecessary to use either of these sorts of wall, as a durable lining of tarred building paper, held on with strips or lath so as to prevent the possibility of drafts, should make the building practically frostproof, if the outside sheeting is at all close-fitting, and if it can be packed with sawdust all the better, except that sawdust provides a suitable harbor for mice and other vermin. If it is thought fit, grout or concrete could be filled in instead of the sawdust.]

2. It is considered by good poultry authorities that each hen should have six square feet of floor space, and that not more than thirty hens should run together in a flock. The house referred to has 432 feet of floor space, which should accommodate seventy-two hens, or three groups of twenty-four each, in compartments eighteen by eight feet in size.]

3. A double floor is preferable to a single one, as no matter how good the drainage, moisture will come up from the ground at some seasons between the cracks of a single floor, and if any opportunity is given, drafts are always ready to ascend through such openings.]

WM. J. CHALLIS, J. P., Oxford County, Ont.:—"Please find enclosed payment for one year's renewal to the ADVOCATE. I consider it the best and most interesting farmer's paper that is printed."

MARKETS.

FARM GOSSIP.

Essex Co., Ont., Fruit Crop.

The fruit crop was very much lighter this season than it has been for years. Last winter's frost killed about 95% of the peach trees, and about 25% of the plums; other tree-fruits injured more or less.

South-western Fruit Experiment Station. W. W. HILBORN.

Conditions Favorable in Alberta.

A leading Alberta rancher, in writing to this office regarding the condition of range stock, speaks most favorably of the general condition, and does not anticipate any detrimental results to the stock from the excessive wet of the past season.

Export Bean Tariff.

A new tariff on beans for export has been issued by the Canadian Pacific Railway, and will become effective on October 1st. From stations on the Ontario division west of Smith's Falls to Boston, the rate will be reduced to 17 1/2 cents per 100 pounds.

Oxford County.

After the long season of continued drouth, we had some very fine rains in good time for the sowing of our fall wheat. I have come to the conclusion that, next to having the ground rich enough, the most important point is to have it ready some weeks before the time you wish to sow, and then harrow or cultivate once a week at least, and oftener, if possible.

Cheese, after being a little easier, is again better in price, and is now going at from 11 to 11 1/2 cents. There are still some Augusts in the country, but they're getting pretty well cleared out. The milk fell away very much during the drouth, but is coming up a little again.

The Apple Crop and Prices in the Georgian Bay District.

This section of Northern Ontario is already famous for the high quality of its apples; in fact, it is not too much to say that the fruit-grower here is not equalled in the world. And those who were fortunate enough, or who were wise enough, to plant out good orchards years ago and took good care of them, are now reaping their reward.

and are mostly Baldwins, Spies, Greenings, Ben Davis, Mann, Spitzenburg, Seek, and King; the latter, by the way, being classed as a fall variety in Southern Ontario, is in this section a late keeper, and brings the very top price in the British market.

The reason that the apples in this section are attracting the attention of buyers is not only on account of their fine appearance, but also their great keeping qualities, which enables them to get the highest prices for them when re-packed and shipped to Great Britain.

Prince Edward Island.

CHICKEN FATTENING AND MANUAL TRAINING. Prof. Roberson has come and gone. He has arranged for the establishment of two chicken-fattening stations here—one in Charlottetown and another in Summerside.

He has also been preaching the gospel of manual training in the schools, and as a result a school will be started in Charlottetown to give such instruction.

Harvest is very late here, and much of the grain is out yet, and considerable rot cut. The crops are very heavy and well filled, but a terrible storm of wind and rain on the 12th of September caused severe loss in breaking down and shelling out the oats.

Winter feed will be plenty and cheap, and will be turned into beef and butter after the cheese season closes.

PRICES.

August cheese are mostly marketed, and brought on an average about 10c. No Septembers sold yet, but 11c. offering. Butter is worth 19 to 20 cents for creamery.

Island exhibitors have done remarkably well at the St. John Exhibition, and are now showing at Halifax.

No prices quotable for new crop of grain or potatoes yet. Shipping will not begin till late.

The P. E. Island Fruit Crop.

SIR.—This is an off year for both apples and plums here. I do not think there will be any apples for export. Our season is so late here this year that only the earliest varieties of apples have matured sufficiently to market.

Wild fruits were plentiful, and blueberries and raspberries were exported to the United States in large quantities.

Chatty Stock Letter from Chicago.

FROM OUR OWN CORRESPONDENT.

Following table shows current and comparative live stock prices:

Table with columns for Beef cattle, Hogs, Sheep, and Natives, and rows for various weight categories and prices for 1896, 1897, and 1898.

Receipts of stock for the year so far at Chicago as shown a decrease of 37,000 cattle, 78,000 hogs, and 3,000 sheep, as compared with a year ago.

Thus far this year Chicago, Kansas City, Omaha and St. Louis received 1,010,000 cattle, or 60,000 more than a year ago.

Chicago this week has received 60,000 head of cattle, and the general market has averaged 15 to 20 cts. per 100 pounds lower, with prices in the West still lower.

Feeders are buying Western sheep at \$3.50 to \$3.75 and lambs at \$4.40 to \$4.65.

The most disastrous conflagration that has visited the stock yards in many years devoured a number of buildings belonging to the N. S. Y. & L. Co. Thursday afternoon. The big horse pavilion, 520 feet long and 185 feet wide, and costing over \$100,000, went up in smoke.

A lot of 17 steers, 1,556 lbs., sold at \$6.90 to Swift on Wednesday and 42 head, 1,456 lbs., sold to the United Dressed Beef Co., of New York, at \$6.70.

There has been a marked decrease in the number of cattle exported recently, owing to the unfavorable relations between Chicago and London prices.

Hog prices have not changed much lately, sales being mainly at \$4.40 to \$4.75, lightweights getting the preference.

Toronto Markets.

Cattle are being sent in for sale in half-fattened condition, while lambs and sheep are being sacrificed at prices which would be doubled in another month, while more finished cattle would find a ready market.

Choice exporters sold at \$4.75 to \$5.12 per cwt. The bulk of export cattle fetched \$4.60 to \$4.80 per cwt. Light export cattle were selling at \$4.25 to \$4.60.

Choice butchers' cattle, equal to exporters, weighing 1,000 to 1,100 lbs. each, sold at \$4.40 to \$4.60.

Heavy export bulls sold at \$4.12 per cwt. Light exporters sold at \$3.40 to \$3.65.

Light feeders weighing from 900 to 1,100 lbs. each sold at \$3.60 to \$3.75 per cwt.

There was a large number of heavy feeders on offer. Prices were easier, and well-bred steers weighing from 1,100 to 1,300 lbs. each at \$5.50 to \$4.00 per cwt.

Buffalo stockers sold at \$3.60 to \$3.40 for medium goods, red and roan colors. Inferior black and white steers and heifers sold at \$2.25 to \$2.50 per cwt.

Export ewes sold down to \$3.50 per cwt. Choice export picked ewes at \$3.80 per cwt. Butcher sheep, \$3.00; bucks, \$2.50 to \$2.75 per cwt.

Deliveries very large, prices declined. About 500 held over, and were shipped over to Buffalo. Prices easier, at \$3.40 to \$3.80.

About ten cows on offer, sold at from \$25.00 to \$48.00 each. One choice cow fetched \$50.00.

Receipts for the last two weeks were fair; five to seven thousand per week. Prices easy at \$4.00 for best bacon hogs of good quality, not less than 160 lbs., not more than 200 lbs., and of cars. Thick fat and light, \$4.12 per cwt.

This may be considered the opening day of the dressed hog trade. Choice hogs in farmers' loads on the street would bring \$5.75 to \$6.00 per cwt.

There is a good steady demand at firm prices. No. 1 green, \$9c. per lb.; No. 1 steers, 8c. per lb.; calves, 8c.; sheepskins, 80c. to \$1.00; lambskins, 40c. to 50c.; pelts, 45c. to 50c.

It is not many years since our export of butter was absolutely nothing. Figures prepared by the Board of Trade show an increase that is unprecedented.

The exports to Great Britain of Canadian butter for the eight months of the year 1897, 23,668 cwt., of 112 lbs.; 1898, 45,450 cwt., of 112 lbs.; 1899, 117,850 cwt., of 112 lbs.

For the month of August, 1897, the quantity of Canadian butter shipped to Britain was 10,888 cwt. In August, 1898, this figure was increased to 15,736 cwt.; and in August, 1899, the amount had jumped to the enormous figure of 69,957 cwt., or something over 130 tons per day.

Lawrence market butter was more plentiful, with prices easier at 20c. to 25c. per lb. from farmers' wagons.

Plentiful at 16c. to 20c. per dozen, a slight advance for strictly new laid.

Business with Great Britain has increased with rapidity, but the advance for the eight months ending August 31st is simply amazing. The increase is not so large as that in butter, but it is only by comparison that it would seem small.

Up to August 31st the quantity of cheese sent to Great Britain was 781,080 cwt., as against 687,683 cwt. during the corresponding eight months of 1898. It has reached the highest price attained for many years, being recently sold as high as 12c. a lb. for 112 lbs.; 1898, 45,450 cwt., of 112 lbs. The following table will give the opening and closing prices for the month of August for the past five years:

Table showing Opening and Closing prices for August for 1895, 1896, 1897, 1898, and 1899.

Receipts of farm produce very large—10,300 bushels of grain. Wheat—3,100 bushels sold as follows: White—90c. to 1c. per bushel. Red—300 bushels sold at 60c. to 70c. per bushel.

Good steady demand; 800 bushels sold at 44c. per bushel; choice at 46c. per bushel. Oats—Firm at 30c. per bushel. Peas—Scarce, at 62c. per bushel, and wanted; market firm and advancing.

Supply limited, and price firmer, at from \$10 to \$12 per ton. Baled hay—\$8.00 per ton.

Sheet straw in good demand at \$8.00 per ton. Loose straw at \$4.00 to \$5.00 per ton. Baled straw—\$4.00 per ton.

Red clover, \$4.00 per bushel; alsike, choice, \$6.00 per bushel; clover, white, \$8.00 per bushel; timothy, \$1.00 per bushel.

Was more plentiful, selling as follows: Chickens, 40c. to 75c. per pair; ducks, 50c. to 60c. per pair; geese, 6c. to 8c. per lb.; turkeys, 12c. to 15c. per lb.

Sept. 26, 1899.

Canada's Dairy Export Trade Booming.

Figures prepared by the British Board of Trade show an increase in the importation of Canadian butter and cheese that is unprecedented in any line. The export to Great Britain of Canadian butter for the first eight months of the years 1897, 1898 and 1899 is shown to have been—1897, 23,668 cwt.; 1898, 45,450 cwt.; 1899, 117,850 cwt.



### The Canadian Press Association Trip to the Northwest, 1899.

(Continued from page 531.)

Now that some of us have had time to breathe, we can say a little about Vancouver. This wonderful young city—this sapling, and truly a sturdy young sapling is she—and judging from her rapid growth and present appearances, the term "sapling" will be turned into "gigantic tree." It seems like vain repetition, but again and again we can only marvel at the stupendous growth of these far-off places. Only the most indomitable industry and determination could have achieved such results. Until May, 1886, Vancouver's site was one dense forest. Fancy this, only 13 years ago! In a few months the town grew rapidly, then was destroyed by a disastrous fire, which swept away all but one house, which still remains. The population is now 25,000; but what may it be in a few more years? Impossible to guess. We give it up, for these places that one can almost see growing are beyond our feeble calculation. Some people think that if Rip Van Winkle had put off his famous long sleep for about 150 years, and had, instead of the Catskills, hailed from the little hamlet of Granville (on Burrard Inlet), and had met his goblin friends at Grouse Mountain, his astonishment when waking would have well-nigh killed old Rip! In these days, however, it seems nothing to go to sleep (figuratively) and wake up after only a little while and find cities in place of villages—well-built houses in place of huts—cultivated parks in place of howling wildernesses. In short, we are in these days prepared for anything, and it's not good form, don't you know, to be surprised; but we can't help it sometimes, so we own up at once—we are surprised!

In the early eighties people cracked jokes about the C. P. R. project. A railroad across those mountains? Impossible! They knew better, and as for gold, why, there wasn't enough for Chinamen to wash out. There were others who went steadily on, and soon the apparently idle boast was carried out, and the great line accomplished its work—and the gold, too, was the e!

Although so short a time has elapsed since this fair city of Vancouver was a vast jungle, there was no sudden leap (how could there be?). Things had to be gradual; but the graduality was very rapid! There were days when men converted boggy trails into rough wagon roads, and thought they had indeed worked wonders. Then single-plank walks became two-plank walks, and this meant that progress was well on. Now these same men wait at the corner of a well-paved street and grumble because the electric car is one minute late! From the date of the fire above mentioned, it has been one scene of steady progress. It may be stated that the fine Vancouver Hotel was originally thought to be built too far out. We see it now, centrally located at the corner of Hastings and Granville streets, and in another few years will it be in a suburb, we wonder!

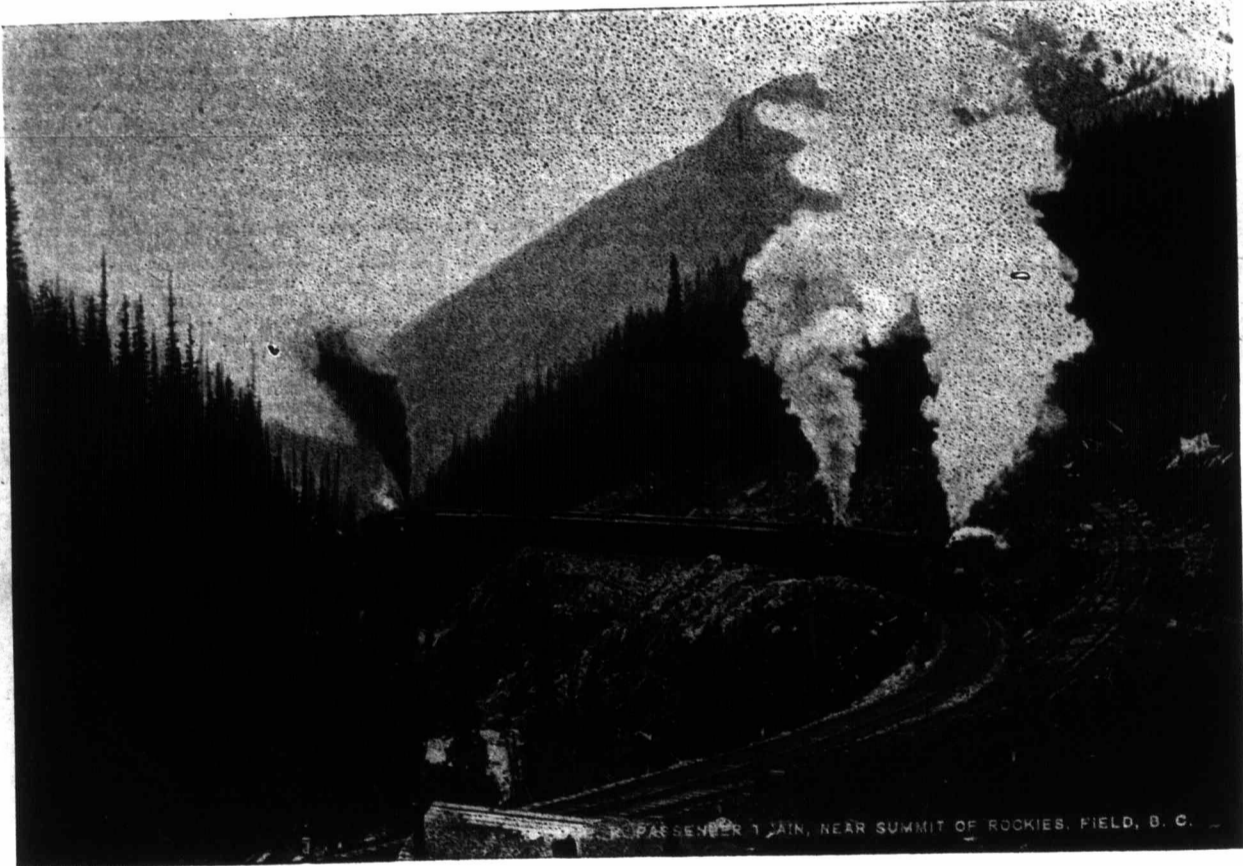
Victoria is called the capital of British Columbia; but that was before Vancouver's day. The real capital is where stands the western terminus of the greatest railroad in the world, from whose port steamers are laden for Australia, China, Japan, etc., etc., and whose progress and enterprise will surely make it the metropolis in fact, if not in name.

As a picturesque city, Vancouver is singularly fortunate. It is only in these far-off regions that we can find these matchless advantages of perfect scenery combined with the work of civilization. The climate is most beautiful. Some people imagine that constant rain is the privilege enjoyed by the Vancouverite. True, there is the rainy season; but how totally different is a rainy season with salt in the air to the rainy season without salt!

One cannot compare the two, but those who have lived near the sea will readily understand.

We begin to feel something like a guide-book, so will conclude this little article by describing a curious incident it was our privilege to come across.

It was a Chinese funeral—and was certainly the queerest funeral on record (as far as we are concerned, anyway). To quote a few lines from a paper: "The funeral of Jam Mau, a Tye Chinaman, was celebrated with all due formalities and rites—roasting of pig, burning of paper money, etc. . . . The Chinese Masons performed their ceremonies, and by the aid of bribes, magic, etc., etc., persuaded the blue devils to leave Jam Mau's body alone and let his spirit rest in peace till it can be removed from Vancouver cemetery to the Celestial Land of its birth." The hearse stood on one side of the street, and in front of it were several tables, reaching across the street and, of course, impeding all traffic for more than an hour! They spread covers on the tables and then different kinds of ornaments—paper flowers—candles—cakes and all sorts of colored rice arrangements—two big pigs, roasted whole—roast chicken, etc. Certainly it was not an inviting spectacle. Any number of cups of tea were in order, too. When all these things were arranged, a procession was formed—priests and Masons circled round each table in rotation, singing and reciting a sad wail. Then before each table knelt a man, and seemed to bless every article passed to him, and continually bowing his face to the ground; whilst a number of others, dressed in white, with sashes of blue and white around their heads and waists, lined up on each side right across the street. Then, as we stretched our necks to see, there was placed near, a big brass—well, we don't quite know what he was—he looked like a demon of some sort—but we'll enquire—and his great eyes were turned onto all the good things on the tables. Then they kept lighting and burning tapers and sending up burnt paper



"NEAR SUMMIT OF ROCKIES, FIELD, B. C."

(we must look up our Chinese lore, for we don't quite know what this paper was, but we think it was prayers). The band performed some atrocious music (or rather sound), and was in a cab! There was, however, one fluty sort of a thing which was piped all through this most unfunereal funeral. They seemed to think nothing of chattering during the prayers, about the proper placing of various articles, etc. Some in the procession were evidently very superior to others—clean, sleek, and very clever-looking. The procession moved off (so did we), and they left all those piggies and other dainty morsels in the street, and whether they afterwards ate them, or buried them, or what, we must again refer ourselves to "others"; and we think we've given our readers enough for this time. Yet, no! not quite enough, for to close this article without an allusion to our Vancouver welcome would be ungracious indeed. Mayor Garden was all that a mayor could possibly be. We were on the old string once more—welcome—welcome—welcome—everywhere! Once at Vancouver, the party somewhat dispersed. Some went over to Victoria, some to New Westminster, others stayed in Vancouver, and one and all were of one mind as to the delightful trip out and the spontaneous hospitality and kindness of every one we came in contact with. Further details later on.

[TO BE CONTINUED.]

An Illinois boy was recently asked to define the word "goblin," and solemnly responded: "A goblin is the ghost of a turkey."

### "Near Summit of Rockies, Field, B. C."

This is a most realistic picture, which will especially interest our readers, who have, doubtless, followed the graphic account of the Canadian Press Association trip, which commenced in our last issue. One can realize at a glance, although perhaps but faintly, the grandeur of that unequalled mountain scenery through which the travellers passed. We see the train and the winding rails amongst those lofty giants, and it seems to bring it all very close to us. This is indeed a most appropriate picture, and we are fortunate in securing so fine an illustration at this special time.

The allusion in our last issue to the ride on the cowcatcher taken by eight gentlemen and one lady, from Summit to Field, can now be better imagined, for surely this must have been the very place.

### UNCLE TOM'S DEPARTMENT.

MY DEAR NEPHEWS AND NIECES,—

As almost every year brings some change in our educational regulations, an old-timer, like your venerable uncle, has some difficulty in finding his bearings. Perhaps the latest departure in this line is the study of agriculture, which has now become compulsory in our schools. Many of the teachers term it "a nonsensical innovation, from which little or no benefit can arise"; others hold quite a contrary opinion. With the latter I fully coincide.

That portion of the subject made obligatory for young pupils treats largely of the development of plant life from the time the tiny seed is deposited in its earthy bed until the perfect plant has reproduced many seeds similar to the one planted. Can the study of such a magical process be dry or distasteful? In itself it is interesting to grown people, while to the young—if properly taught—it is a veritable fairy-tale.

Children who have always lived in the country know much of what is embraced in this study; yet even they, perhaps, have given but little thought to the wonderful ways in which nature provides for the continual propagation of her various productions. The average child's mind is inquisitive and receptive, but it requires a mature guide to direct it into proper channels. This should be the aim of a true teacher.

The knowledge gained from books is a valuable possession, and when supplemented by that learned from practical observation its value is doubled. I believe this new study will be an admirable incentive to the cultivation of the habit of observation, which is in itself a liberal education. The American poet, Lowell, writes thus to a boy friend: "Knowledge is power

in this noblest sense, that it enables us to benefit others, and pay our way honorably in life by being of use. . . . While you are in the country, you should remember that you are in the great school of the senses. Train your eyes and ears. Learn to know all the trees by their bark and leaves, by their general shape and manner of growth. . . . I should be quite willing that you should think me a bore, if I could only impress upon you the importance of observing. . . . The faculty once acquired, becomes at length another sense which works mechanically."

Many who will have to teach the subject of agriculture in our rural schools have never spent any length of time in the country, and will thus be obliged to depend solely on the text-book; in such cases, the elder pupils—whose good fortune it has been to live "far from the madding crowd"—should be able to render valuable assistance by their general knowledge of the subject.

It is said that he lives best and longest who lives nearest to nature, and few can remain away when once they have seen the charms she wears to draw us near to her. See now how she has scattered the fair, blue-eyed asters and the sunny golden-rod in every nook along this quiet lane, to gently lure us on to the peaceful woodland, where the maples—queens of our Canadian forests—stand arrayed in crimson robes of royalty—fitting emblem of a country ever beautiful. The temptation to take a stroll in this wonderland is irresistible, and so I lay aside my pen and say good-bye for another month.

Hoping you have all spent a few days pleasantly and profitably at some of the fairs, I am,  
Your loving—  
UNCLE TOM.





Marjorie.

"Oh, dear," said Farmer Brown one day,  
"I never saw such weather!  
The rain will spoil my meadow hay,  
And all my crops together."  
His little daughter climbed his knee;  
"I guess the sun will shine," said she.

"But if the sun," said Farmer Brown,  
"Should bring a dry September,  
With vines and stalks all wilted down,  
And fields scorched to an ember!"  
"Why then, 'twill rain," said Marjorie,  
The little one upon his knee.

"Ah, me!" sighed Farmer Brown, that fall;  
"Now what's the use of living?  
No plan of mine succeeds at all—  
"Why, next month comes Thanksgiving,  
And then, of course," said Marjorie,  
"We're all as happy as can be."

"Well, what should I be thankful for?"  
Asked Farmer Brown. "My trouble  
This summer has grown more and more,  
My losses have been double?  
I've nothing left—" "Why, you've got me!"  
Said Marjorie upon his knee.

Sowing Little Seeds.

Little Bessie had got a present of a new book, and she eagerly opened it to look at the first picture. It was the picture of a boy sitting by the side of a stream, and throwing seeds into the water.

"I wonder what this picture is about," said she; "why does the boy throw seeds into the water?"  
"Oh, I know," said her brother Edward, who had been looking at the book, "he is sowing the seeds of water-lilies."

"But how small the seeds look," said Bessie. "It seems strange to think that large plants should grow from such little things."

"You are sowing just such tiny seeds every day, Bessie; and they will come up large strong plants after awhile," said her father.

"Oh no, father; I have not planted any seeds for a long time."

"I have seen my daughter sow a number of seeds to-day."

Bessie looked puzzled, and her father smiled, and said, "Yes, I have watched you planting flowers, and trees, and weeds, to-day."

"Now I know that you are joking, for I would not plant ugly weeds."

"I shall have to tell you what I mean. When you laid aside that interesting book, and attended to what your brother wished done, you were sowing seeds of kindness and love. When you broke the dish that you knew your mother valued, and came instantly and told her, you were sowing seeds of truth. When you took the cup of cold water to the poor woman at the gate, you were sowing seeds of mercy. These are all beautiful flowers, Bessie, and will grow up brightly and sweetly, if you water them well by a constant repetition of these acts. But more than all, I hope that my little girl has been planting the great tree of 'love to God,' and that she will tend and watch it, and allow it to grow and spread, until its branches reach the skies, and meet before His throne."

"And the weeds, father?"  
"When you were impatient while baby was cross, you sowed the seeds of ill-temper. When you spoke crossly to Robert, you planted anger. When you waited some time after your mother called you, you sowed disobedience and selfishness. These are all noxious weeds. Pull them up by the root, my child. Do not suffer them to grow in your garden, or they will completely overrun it."

What the Little Shoes Said.

I saw two dusty little shoes  
A-standing by the bed;  
They suddenly began to talk,  
And this is what they said:

"We're just as tired as we can be;  
We've been most every where;  
And now our little master rests—  
It really is not fair.

"He's had his bath, and sweetly sleeps  
'Twill sheets both cool and clean.  
While we are left to stand outside;  
Now don't you think it mean?"

"We carried him from morn till night;  
He's quite forgot, that's plain;  
While here we watch, and wait and wait  
'Till morning comes again.

"And then he'll tramp and tramp and tramp  
The livelong summer day.  
Now this is what we'd like to do:  
Just carry him away—"

"Where he could never go to bed,  
But stay up all the night.  
Unwashed and covered o'er with dust;  
Indeed, 't would serve him right."

THE QUIET HOUR.

Life's Mirror.

There are loyal hearts, there are spirits brave,  
There are souls that are pure and true;  
Then give to the world the best you have,  
And the best will come back to you.

Give love, and love to your life will flow,  
A strength in your utmost need;  
Have faith, and a score of hearts will show  
Their faith in your word and deed.

Give truth, and your gifts will be paid in kind,  
And honor will honor meet;  
And a smile that is sweet will surely find  
A smile that is just as sweet.

Give pity and sorrow to those who mourn;  
You will gather, in flowers again,  
The scattered seeds from your thought outborne,  
Though the sowing seemed but vain.

For life is the mirror of king and slave—  
'Tis just what we are and do.  
Then give to the world the best you have,  
And the best will come back to you.

—M. S. Bridges.

Sowing and Reaping.

The old saying, "As you make your bed, so you must lie on it," is certainly true; and yet we constantly find people sowing "wild oats" in youth and expecting to reap a harvest of good grain in later life.

This is a wonderful world, filled with magical powers of reproduction. Look at your gardens and fields, and learn a lesson of wisdom. If you take no trouble at all about them, they will not be empty. No, thistles and other weeds will increase with marvellous rapidity. If you want good and useful plants, you must take a little trouble. So it is with all other things in life. If you are content to drift along, leaving your character to grow as it will, the weeds of selfishness, indolence, vanity, or even worse vices, will quickly fill up the vacant soil. You farmers know how hard it is to get rid of some troublesome weeds, when they have once been allowed to gain a foothold; and certainly these character-weeds will not be uprooted without a great deal of trouble and pain. Be careful in time, and don't let the seeds be sown at all. Fill up your ground with better plants, and cultivate them carefully and scientifically. Study the laws of cause and effect, and apply them. If you find that people are cold and unfriendly towards you, do not waste time and energy in blaming them. Look to the cause. If unfriendliness is shown you, it generally springs from the seeds of selfishness which you have yourself sown. If the spring days are wasted in vanity and self-seeking, it is folly to expect a harvest of strength, courage and endurance. On the other hand, if we persistently "scatter seeds of kindness" day after day, though they may seem to fall almost unheeded, they will germinate and bring forth fruit sooner or later. Never be weary in well-doing: "for in due season we shall reap if we faint not." We shall reap! Is not that an inspiring thought? The good seed sown in the fields may, without fault of ours, be destroyed by drought or blight. The good seed sown in our souls may, indeed, be choked by the cares or pleasures of this life; it may spring up quickly and in time of temptation wither away; but when this happens it is always our own fault.

Some seeds spring up quickly—weeds generally do—others may be so slow that we grow hopeless about them. But, never fear! No loving prayer for others is ever unheeded by our Heavenly Father. No loving act or word is ever wasted.

On the other hand, no sinful thoughts or actions can fall to the ground dead and harmless. They are living seeds; and sorrow and pain, both for ourselves and others, are the natural growth and outcome of such black seeds of sin. Happily for mankind, "The way of transgressors is hard." Thorns and sharp stones tear the sensitive soul, until, in desperation, it is driven to leave the dangerous road and choose a safer and pleasanter path. Satan deludes his victims into thinking that the path of sin is the path of happiness. He may deceive you into fancying it is so in your case, but look at other cases around you, or listen to the warning voice of history. Has sin ever brought satisfying or lasting happiness since Adam and Eve bartered peace and gladness for the short pleasure of tasting the forbidden fruit? Has not great wickedness, like that of Herod or Nero, always brought misery in its train? Sin may give pleasure, though it is very fleeting in its character, but gladness and joy shrink from it, and the sorrow which follows more than makes up for the momentary enjoyment. Again, I say, be careful about the seeds you sow. Little seeds of underhand dealing, no matter how small they may be, are capable of growing into strong and vigorous plants of dishonesty. Little seeds of exaggeration and untruthfulness may increase until the habit of lying becomes second nature. Little seeds of indolent selfishness have a wonderful power of growing, unobserved, until the soul is enervated and incapable of generosity and self-sacrifice.

"God is not mocked; for whatsoever a man soweth, that shall he also reap."

"We scatter seeds with careless hand,  
And dream we ne'er shall see them more.  
But for a thousand years  
Their fruit appears  
In weeds that mar the land, or healthful store."

Careless words are seeds which, like thistledown, are light as air: but, once scattered, it is impossible to gather them up again.

How often friends are parted for life, how often deadly quarrels are started, just because a few words were carelessly uttered and thoughtlessly repeated. Cast one thistle seed to the wind, and can you foresee how much mischief it may do in the years that are coming? Words may also do unthought-of harm or unimagined good. Choose the best quality of word-seeds to sow, and plant them carefully in the best soil, for though the tongue is a little member, it "boasteth great things. Behold how great a matter a little fire kindleth." Throw a lighted match into your barn and see! It will probably do less real and lasting mischief than many careless scandalous remarks, which seem at the moment to be comparatively harmless. It is better to be careless with fire than with words. A man's reputation is worth more than his property.

HOPE.

Our Library Table.

"A MINISTER OF THE WORLD"—Caroline A. Mason. "THE PEOPLE OF OUR NEIGHBORHOOD"—Mary E. Wilkins. "THE SPIRIT OF SWEETWATER"—Hamlin Garland.—Three more delightful little volumes than the above would be difficult to find. In "A Minister of the World," Mrs. Mason has brought out into bold relief the various characters. The subtle insight into the fine nature of Stephen Castle (his wavering, and final steadfastness, after many spiritual conflicts)—the young minister—commands our chief attention. The interest, which never flags, is scarcely less in Emily Merle, Stephanie Loring, Mrs. Castle (Stephen's mother), and other characters which go to make up the attractive whole—a charming story containing a pure and beautiful lesson. "The People of Our Neighborhood" is written in Miss Wilkins' well-known style, which is unsurpassed in New England descriptions. This is a series of nine short stories, the humor and pathos of which make them delightful reading. Mr. Hamlin Garland has indeed given us a gem story in his "Spirit of Sweetwater." Its charm is from start to finish. The mixture of strength and humility in the hero—Richard Clement, the millionaire Western miner—is finely drawn. His noble "restitution," as he chooses to consider it, excites our admiration, although we cannot help doubting the wisdom of giving such a fortune to two ignorant, though well-meaning, people, who would hardly use it to the best advantage. Still, this act shows the man—ultra honest perhaps (if one may use such a term) because of his reverence and love for sweet Ellice Ross. The whole story is powerfully told, and added to the intense character interest is the grandeur of nature, and you literally feel the breeze of the mountains and live where the story lies—so graphic is this author's descriptions. Each volume is beautifully bound and printed, and finely illustrated. Published by the Curtis Publishing Co., Philadelphia, at \$1.00 the three volume, or 50 cents each; paper editions, 25 cents.

Recipes.

PAN BROILED CHICKEN.

Singe, split down the back, clean, spread with soft butter, dredge with salt and flour and lay it skin side down in buttered pan. Bake in hot oven twenty to thirty minutes. Turn over after ten minutes, baste with butter and very little water, sprinkle with fine buttered crumbs and baste frequently with butter. Bake till tender.

PEACH CANAPES.

Round slices of bread an inch thick, hollow out the center on one side. Dip in beaten egg diluted with half cup of milk and brown in hot butter. Place half a peach in the hollow, fill the peach cavity with thick whipped and sweetened cream and surround the bread with a thick fruit sauce made from peach syrup.

TO CAN TOMATOES.

Select nice firm tomatoes, scald in boiling water, and peel. Then cook in a porcelain-lined kettle, and when they are cooked sufficiently to pierce with a fork at the core, take off and put in new jars, or at any rate new rubbers, and you will have no difficulty in them keeping well all winter.

MUSTARD PICKLE.

Two gals. white wine vinegar (English), 4 oz. bruised ginger, 2 oz. alspice, ½ oz. cullies, 2 oz. tumeric, 1 oz. pepper, ½ oz. shallots, ½ oz. cloves, 1 lb. coarse salt, 1 lb. best mustard; mix the mustard and tumeric with a little vinegar first, and then add all the rest and boil gently fifteen minutes. When cold, just put in all your vegetables as you bring them in from the garden, and they will be ready in two weeks for use.

We would call our readers' attention to the prospectus of that excellent publication, the Canadian Home Journal, Toronto. The proprietors are now forming it into a company, by which everyone can become a shareholder at one dollar a share. Canadian enterprise should be encouraged, and we predict that a large number will be interested and help to support the scheme, which should be successful, as every effort is being made to improve every department of the journal.

In the Sunshine.

BY JOHN IMRIE, TORONTO, CANADA.
Ah! we never miss the sunshine
Till the storm-clouds roll a-pace,
And we value not the dear one
Till we see the cold dead face;

Let us linger in life's sunshine
Till the last glad ray departs,
Till the twilight and the dawning
Link the closer trusting hearts;

The Flower of the Family.

BY JOHN IMRIE, TORONTO, CANADA.
The Angel of Death came hovering near,
To kiss the fair cheek of the child;
He left a dark shadow of hope and fear,
And a mother's heart throbbing wild.

Lizzie and the Baby.

BY EUGENE FIELD.
I wonder of all wimmin air
Like Lizzie is when we go out
To theaters an' concerts where
Is things the paper talk about.

Making the Best of It.

The art of making the best of our resources is one worth cultivating. There is an ideal, as Carlyle says, to every situation. The ideal is in a degree the creature of our resources and conditions, and the ideal having thus been created by these conditions, it can always be worthily striven for.

Advice to Girls.

Earl Gray gave some good and wholesome counsel to the young girls of Newcastle-on-Tyne when the foundation-stone of a new high school was laid. The new girl, like the new woman, he said, wished to have a principal hand in making the top of the world spin round.

The world may say that education could not make an ugly face into a pretty one. But the connection between pleasing and attractive looks and a well-instructed, happy and contented mind was far more intimate than many persons suppose.

got success in this world was the one who had the knack of making people round her happy and contented—the woman who had the habit of contented cheerfulness and who did not think anything worth troubling about, so far as it concerned herself, unless it left an ugly weight upon her mind and conscience when she came to die.

The First English Bible.

The earliest attempt to make an English translation of any portion of the Bible was in 1505, when a translation of the seven penitential Psalms were made. In 1526 William Tyndale's translation of the New Testament appeared, but the addition was bought up and burned. In 1530 Tyndale published his translation of the Pentateuch, and a year later the book of Jonah. The first English version of the whole Bible was published by Miles Coverdale in 1535, and dedicated to Henry VIII. In 1537 the next English edition, known as Matthew's Bible, appeared.

In 1539 Cranmer's Bible (so called because he wrote a preface to it) made its appearance. Richard Taverner published an edition in the same year. The "Geneva Bible" (so called because the translation was made in Geneva, by several English divines) came from the press in 1557. This was the first edition divided into verses and printed in Roman letters. It was the subject of much playful criticism by reason of the last word in the translation of Gen. iii, "Then the eyes of them both were opened, and they knew that they were naked, and they sewed fig tree leaves together, and made themselves breeches." It was sometimes called "The Breches Bible."

The "Bishop's Bible" was published in London, 1568. From 1607 to 1610 a number of the most eminent divines of England were engaged in still another translation, which resulted in what has ever since been known as "King James' Bible," and which continues to be the standard version.

Oriental English.

The Japanese are rare hands at perpetrating unconscious wit when they attempt a public notice in English. In an art exhibition at Tokio appeared the following:—"Visitors are requested at the entrance to show tickets for inspection. Tickets are charged 10 cens. and 2 cens. for the special and common respectively. No visitor who is mad or intoxicated is allowed to enter in, if any person found in shall be claimed to retire. No visitor is allowed to carry in with himself any parcel, umbrella, stick, and the like kind, except his purse, and is strictly forbidden to take within himself dog, or the same kind of beasts. Visitor is requested to take good care of himself from thievally." Outside a restaurant in the same city swings a signboard reading, "Let food be eventuated," while another advertises eggs as "extract of fowl." A recent visitor to Yokohama saw painted on shop fronts, "The All Countries Boot and Shoe Small or Fine Wares," "Old Curious," "Horseshoe Maker Instruct by French Horse Leach," "Cut Hair shop," "If you want sell watch I will buy, if you want buy watch I will sell," "Hatter Native Country," and "Automatic of Nausea Marina" (remedy for seasickness).

The Chinese, of course, also make sad hash of our tongue. Witness this re a laundry at Shanghai, "With reference to notify you for the employed in the various laundries of Shanghai. But any washermen is quite inability of disadvantage to washing any public, and though the high price ruling now for rent, charcoal, coal, soap, rice, etc., it is never counterfeit. The committee of the Laundries Guild are now to notify the general public, which must will be increase. If any gentleman or lady will unbelief, upward a few lines will can see the daily news is written quite distinctly, and obliged many thanks." The Chinese have a horrid habit of getting rid of every girl born after the first, and thus was necessitated a warning over a pool at Foo Chow:—"Girls may not be drowned here!" One Wong Fooadvertises over his workshop:—"Always has any France Pastry, Dinner, Lunch, Supper. All kinds of Foreigners Cakes for Sale." Another: "All sorts of goods, many merchandise in steamer, not seldom anywhere and safe." A pathetically brief inscription adjacent reads:—"Ah Chan—upstairs." The fondness for efflorescent signboards is shown in "The house of increasing profit," "The hall of brilliant light," "Celestial advantage," "Great felicity," "Hill of Great Peace."—London Standard.

What dreadful institutions those old four-post beds, with their patch-quilt coverings, and voluminous hangings were! And fancy mounting three nicely carpeted steps to get into their dark depths! With our present unpleasant knowledge of microbes and germs, and our tendency to abolish drapery even of the lightest kind from our sleeping apartments, we can only contemplate the old-fashioned beds with shudders. And feather ticks, too! If all tales be true which medical science tells us to-day about the danger of such beds, it is simply a miracle that there are any people alive on the face of the earth to-day. Yet so many of the old fellows and dames who slept in such beds as these and worse are not only alive and strong to-day, but they seem a deal livelier and sturdier than many of the present generation who were brought up on strictly scientific sanitary principles. They can't be all exceptions, and when we look at them we are very much inclined to think that there may be a deal of faddism in much of the so-called sanitary movements of the day. But this is heresy!

Puzzles.

[The following prizes are offered every quarter, beginning with months of April, July and October: For answers to puzzles during each quarter—1st prize, \$1.50; 2nd, \$1.00; 3rd, 75c. For original puzzles—1st, \$1.00; 2nd, 75c.; 3rd, 50c.]

This column is open to all who comply with the following rules: Puzzles must be original—that is, must not be copied from other papers; they must be written on one side only of paper, and sender's name signed to each puzzle; answers must accompany all original puzzles (preferably on separate paper). It is not necessary to write out puzzles to which you send answers—the number of puzzle and date of issue is sufficient. Partial answers will receive credit. Work intended for first issue of any month should reach Pakenham not later than the 15th of the month previous; that for second issue not later than the 5th of that month. Leave envelope open, mark "Printer's Copy" in one corner, and letter will come for one cent. Address all work to Miss Ada Armand, Pakenham, Ont.]

1—ENIGMA.

The mean man's homage to another's fame,
Two simple letters will express my name,
Yet Webster uses four.

Pray do not harbor me within your breast,
For where I am true peace can never rest,
And hate knocks at the door.

F. L. S.

2—CHARADE.

My first means to gain;
My second is found in "Canadian";
My third is a piece of pointed wood;
My whole is a large collection of houses.

"PILOT."

3—AN ARCHPELAGO.

- (1) What island is a bird?
(2) " " " an animal?
(3) " " " a person?
(4) " islands are found on a ship?
(5) " " " hospitable?
(6) " " " popular?
(7) " " " good to eat?
(8) " " " a boy's name?
(9) " " " a girl's name? L. B. FORCE.

4—CHARADE.

First comes "hopping o'er the carpet,"
Said a poet late,
Monks and maids and students
Bear my second's weight,
And my whole you've often heard of—
Bold, lawless leader he—
Fighting in the far past,
Beneath the greenwood tree.

"K. K."

5—CHARADE.

The first of me is last of all besides,
My second smaller than the smallest thing;
My whole defies alike all time and tides,
And owns no winter, though it boasts no spring.

L. B. F.

6—A PHONETIC PUZZLE.

Angelina had been weeping; one pearly drop still hung upon her lashes as Algernon entered the drawing-room. Feeling that it would be useless to attempt to disguise the traces of her late emotion, she put the best face possible upon the matter and said sweetly, "I am—one of the ancient sects among the Jews!"

"Ah!" replied Algernon tenderly and gallantly, "All I can say is, you are—another sect among the Jews!" F. L. S.

7—A STUDY IN MAGIC.

(Adapted from a poem by Greenleaf.)

He hung from the roof with but little of grace
For his feet they were cold, and seemed glued to the place;
His back was quite stiff, as his knees would not bend,
Nor could he the cause of it all comprehend.

He had dropped on the roof in a neighborly way
And had set himself down not expecting to stay;
But when from the edge he would peer at the town,
He was seized with a chill with his head hanging down.

Every day to the sun with tears he complained
That by magical art to the roof he was chained,
But Jack Frost, all unseen, fastened tighter his toes
And added his tears to the tip of his nose.

So there till the spring he reluctantly hung,
And from his predicament never once swung.
Till an insect on wings came and lit on his head,
When, presto! on wheels away rolling he fled.

F. L. S.

8—NUMERICAL PUZZLE.

I am composed of sixteen letters, and name the hero of a well-known novel.

- 15, 13, 3, 13, 16 is ghastly,
6, 2, 12, 14 is a restaurant,
8, 4, 10, 11 is a wharf,
1, 4, 5 is the past of "do,"
9, 13, 14, 5 is vari-colored.

M. N.

9—CONUNDRUM.

What part of a lady's ornaments is a fish? "ESSEX."

10—CHARADE.

My first is in Gaul,
My second is in emotion,
My third is in mail,
My whole is an island in the Pacific Ocean. ROLLY.

Answers to Sept. 1st Puzzles.

- 1—Elephant, weasel, gorilla, giraffe, antelope, horse, muskrat, ocelot.
2—Speech is silver, but silence is gold.
3—Cricket match.
4—Allectromancy.
5—Goldsmith, Milton, Browning, Scott, Tennyson, Ashworth, Shakespeare, Burns.
6—Klondike (K—lawn—dike).
7—glass
8—Mum, atanza, Cadillac.
9—lance
burdened, emu, tiff,
10—Prizewinning puzzles.
11—But that is another stor(e)y.
huff—Macbeth, Macduff.
anger
scene
seres

SOLVERS TO SEPT. 1ST PUZZLES.

"Dennis," "Sigma," M. R. G., Annie Holmes.

ADDITIONAL SOLVERS TO AUG. 15TH PUZZLES.

"Pilot."

COUSINLY CHAT.

F. L. S.—Your work was too late for last issue, but I hope you will send regularly this quarter. This budget is excellent. "Pilot."—You are very far advanced for your age. I wonder if your examinations are anything like those of Ontario. Perhaps you'll send me some of the papers some time. It is always well to send the answers to one's own puzzles, as occasionally a small slip of paper becomes mislaid. I am awaiting the promised "something" of your next letter. ADA A.

# Bicycles By Auction.

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 Barns: College and Dufferin Streets. -om

## FOR SALE.

One imported Shorthorn Bull, milking strain, registered. One Yorkshire Boar, sixteen months old; bred by Joseph Featherston, M. P. One Yorkshire Boar, seven months. Also several seven-months-old Yorkshire Sows, fit for breeding, all registered, and a nice straight lot, and will sell reasonable. Also a fine Bronze Gobbler and Fancy Poultry of all kinds. Correspondence solicited.

Address, **A. GILMORE & SONS, ATHELSTAN, QUE.,** Or come and see the stock. Athelstan Station, N. Y. C., one mile from farm.

## 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. -om IONA, ONTARIO.**

## GOSSIP.

A great snap in Dorset rams is offered by James Bowman, Guolph, Ont., elsewhere in this issue.

Colwill Bros., Newcastle, Ont., write:—"We are forwarding you a change for our advertisement. We sold several nice young boars and sows while at Toronto Exhibition, but still have the Tamworth bull with which we won 1st prize at the Industrial Fair. He has never been beaten in the showing yet, having carried off three red tickets already. He will be for sale as soon as Whitey Fair is over. He is, as one of the judges said, a "cracker," and will make a dandy to head some good herd. He weighed when less than 6 months old 245 pounds. Our younger stock are all doing well, and we are in a good position to fill orders entrusted to us. We have been very successful at all the local fairs so far, carrying off the red ticket in about every class we exhibited in, and the diploma at our county fair for the best boar and two sows any age, with strong competition in the ring."

Henry Stevens & Sons, Lacona, Oswego County, N. Y., write:—"The only animal we had on exhibition at the York State Fair was De Kol 2nd's Butter Boy 3rd. We had loaned this bull to Messrs. Averill & Gregory, Syracuse, N. Y., and they exhibited him together with members of their herd. It was very gratifying to us indeed to know that many of the leading prizes in the Holstein class went to animals bred by us and to animals we had recently sold, and what we consider the most valuable prize that can be awarded to any breeder is 'get of sire,' which went to our service bull, Manor De Kol. The get of this great bull was also very successful in the showing in 1897 and 1898. We have sold for well-bred bulls increasing. We have sold six the past week; they went to New York, Pennsylvania, Vermont, Illinois, and California. We wish to make a change in our advertisement this week, as we have 40 cows and heifers and twenty young bulls which we wish to sell."

## M'GERRIGLE BROS.' CLYDESDALES.

A representative of the FARMER'S ADVOCATE had recently the pleasure of inspecting the stud of M'Gerrigle Bros., who reside near Ormstown, Que., and who deal extensively in Clydesdales. An important feature in this stud is the great uniformity visible all through, a point that is not always studied by breeders. The Canadian-bred stallion, McLaws, now in his eighth year, is a horse of great quality and substance, having the right kind of bone, and his action is also excellent. He is by General Wolfe, and first distinguished himself by winning second prize as a three-year-old at Toronto. At the Huntington District Show he won first last year, beating an imported horse, and repeated the victory this year, winning, as well, the sweepstakes for sire and get. The imported mare, Hutton's Fancy, next caught our eye. She was bred by W. S. Park Hutton, Bishopston, Scotland, and has the proud record of winning either first or second for mare and foal every year she has been shown at Huntington. She was also first in the team. She has good, clean bone and joints, and good conformation. Another nice mare is Hutton McInnes, who has also won many first prizes. She has a capital foal by McLaws, Queen, a daughter of Hutton's Fancy, was shown with her mother in the team at Huntington, where they won first. MacClaskie, by McInnes, out of Hutton's Fancy, greatly resembles his sire. He has also been a first prize winner at Huntington and other shows. Lily McInnes, a three-year-old filly, is of the same type as the others. She has also a good record in the showing. Besides these we saw a capital two-year-old filly which had been sold at a good price, and one of lighter build, which is shown in the general purpose class, where she generally gives a good account of herself. [Since the above was written we are pleased to state that several of the above have distinguished themselves at the Ottawa Exhibition.—Ed.]

## A CORRECTION.

In our report of the Toronto Industrial, Mr. N. Dymont, Orkney, Ont., was credited with having won a prize on the Thoroughbred Matlock. This prize should have been credited to Mr. N. Dymont, of Brookdale Farm, Barrie, Ont.

## NOTICES.

It is writing to advertisers, mention the "Farmer's Advocate."

**Alberta Farm for Sale.**—In another column of this issue Mr. O. S. Moore, of Olds, Alberta, offers for sale a fine Alberta farm, rich soil, all fenced, good buildings, well supplied with water, and within a short distance of market and school. Good reasons for selling. Any one desirous of purchasing had better correspond with Mr. Moore at once.

**Ontario Veterinary College.**—We are pleased to acknowledge the receipt from the Ontario Veterinary College, Toronto, Canada, of its annual announcement for the coming session, which will commence on Wednesday, Oct. 18th. The prospects for a successful session of this well-known educational institution are, we understand, very encouraging. We refer our readers to the advertisement in our columns.

**Stone and Stump Lifter.**—Members of the FARMER'S ADVOCATE staff have from time to time been attracted at the leading shows by Mr. A. Lemire's patent stone and stump lifter, whose advertisement appears in the advertising columns, and upon investigation we find Mr. Lemire's invention a very complete machine for the purpose for which it is intended. Its simplicity of construction, durability and perfectness of operation are its strong features. Mr. Lemire has exhibited his machine at all the leading fairs in Ontario and Quebec for several seasons, and each year increases its popularity. The ease with which one man can lift a stone of several tons' weight is marvellous, and as it has a capacity of some five feet, one can readily see how easily and completely large stones and stumps may be placed into fences. The machine is durably constructed on wheels, as shown in cut, and can be easily handled by a team. Watch Mr. Lemire's advertisement.

**American Field and Hog Fence.**—The sales of American Field and Hog Fencing thus far in 1899 might be considered marvelous were it not for the intrinsic merits of the fence. "The fence that fences" is what the manufacturers call them, and investigation of the records made by these fences where they have been properly put up on farms, pastures, fields, orchards, etc., show ample proof of their efficiency and durability. Animals cannot break these fences; action of heat and cold has no effect upon them, and they successfully resist efforts of all kinds to destroy them. Every rod of the American fence is guaranteed by the manufacturers, the guarantee being based upon intimate knowledge of just what enters into its construction. The wires are specially made for this purpose of best spring steel and are very heavily galvanized. The American fences are sold by agents in nearly all towns throughout the United States and Canada, but should no agency have yet been placed in your town, the reader of this who desires further information can secure it by addressing the manufacturers, American Steel and Wire Co., Chicago or New York.

**Woodward Watering Basin.**—We beg to draw the attention of dairymen to the Woodward Watering Basin which is advertised amongst our stock advertisements. These are undoubtedly of great value for watering stock in stables. They are manufactured by the Ontario Wind Engine & Pump Company, who are well known to the majority of our readers. There are many points about these basins which are worth investigating, amongst which we may notice that they are entirely automatic, and they prevent possibility of contagion from one animal to another. The water entering the basin cannot leave it without the animal drinking it, and the supply to each basin is taken from a supply tank, not from another basin. The water is warmed to a comfortable temperature before the animal can drink it, and a special feature is that the water flows in slowly, so that swilling is out of the question. It is claimed that these basins will pay for themselves in a very short time, and judging from the testimonials the makers have this is undoubtedly true. They have been installed at Mr. Massey's Dentonia Park Farm, and many other prominent stock farms. Further particulars will be furnished as to their adaptability by the company to any enquirers.

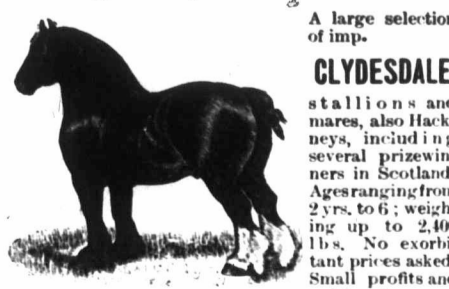
## DISPERSION SALE OF BERKSHIRES.

Elsewhere in our advertising columns is offered for sale the Maplehurst herd of Large English Berkshires, which was founded by J. J. Ferguson, at Smith's Falls, Ont., 5 years ago. Since that time the object in view has been the production of such a modern type of Berkshires as would meet the demand of the times for bacon-type pigs. Baron Lee, King Lee and other famous strains are to be found in the herd, which has been built up from purchases made from the herds of the late J. G. Snell, C. T. Garbutt, and George Green. Those wishing to secure a foundation of the right type of Berkshires would do well to place their orders, since the stock must be sold.

## DALGETTY BROS.,

GLENCOE, ONT.,

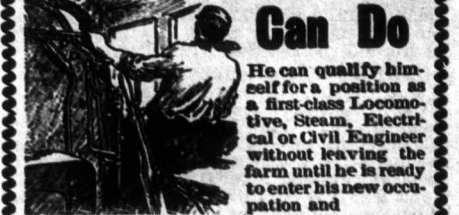
"Largest Importers in Canada."



A large selection of imp. CLYDESDALE stallions and mares, also Hackneys, including several prizewinners in Scotland. Ages ranging from 2 yrs. to 6; weighing up to 2,400 lbs. No exorbitant prices asked. Small profits and quick returns.

PLEASE MENTION FARMER'S ADVOCATE.

## What a Farmer's Boy Can Do



He can qualify himself for a position as a first-class Locomotive, Steam, Electrical or Civil Engineer without leaving the farm until he is ready to enter his new occupation and

## EARN A GOOD SALARY

Our system of teaching by mail will give any boy a technical education. Write for pamphlet and state what you wish to study. International Correspondence Schools, Box 906, Scranton, Pa.

## FOR SALE... IMPORTED AND CANADIAN-BRED Clydesdale Stallions

From One to Four Years Old. Also



## SEVERAL THREE YEAR OLD FILLIES,

All registered and warranted sound. Inspection invited.

**ROBT. DAVIES,** on Thorncliffe Stock Farm, TORONTO.

## Shorthorns.

Six bulls from 3 to 12 months old; one choice 4-year-old stock bull; eight 2-year-old and yearling heifers and heifer calves of choice quality and breeding.

**R. MITCHELL & SON,** Burlington Jct. Station, Nelson P. O. -o

## A Few Durham Heifers In Choice

Two bulls; two bull calves; all of choice breeding. Berkshire boars; brood sows and sow pigs. Prices right.

**A. J. C. SHAW & SONS,** THAMESVILLE, ONT.

## 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-guineas ram.

**J. T. GIBSON,** on DENFIELD, ONT.

## Shorthorns & Berkshires

CHOICE calves of both sexes for sale; also two good stock boars, and a fine lot of young pigs.

**Jno. Racey, Jr.,** LENNOXVILLE, QUE.

## SHORTHORNS, Bulls from 6 to 15 months old.

One choice 3-year-old stock bull, brother to the noted bull, Nominee. Also cows and heifers.

**J. R. McCallum & Sons,** IONA STATION, ONT. -om

## SHORTHORNS

I have six young females for sale—three are in calf and three old enough to be bred. These heifers have four or more crosses of the finest Booth sires, on imported Marr and Gordon Castle foundation, a desirable and needed line of breeding.

on **D. ALEXANDER, Bridgen, Ont.**

## Shorthorns and Shropshires.

I have a few promising young bulls on hand, and am booking orders for Shrop. ram lambs for fall delivery; well covered. -o

**GEORGE RAIKES, - BARRIE, ONT.**

## HAWTHORN HERD

OF DEEP-MILKING SHORTHORNS. 3 heifers bred to Beau Ideal = 22554 =, of first-class quality and A 1 breeding. -om

**Wm. Grainger & Son, - Lndeshoro, Ont.**

Ottawa Fair Prize List.

THOROUGHBREDS.—Stallion, 4 years—1 O'Neil & Co, London; 2 and 3 Russell District Stock Imp Farm, Rockland. Stallion, any age—1 O'Neil & Co. Stallion, with 3 of his get—1 Russell District Stock Imp Farm. CARRIAGE HORSES.—Stallion, 4 years—1 A A Blythe, Ottawa; 1 Jno M Glandish, Ottawa. Stallion, 2 years—1 M D McCosham, Bainsville; 2 Wm R Wilson, Manotick. Stallion, any age—A A Blythe. Brood mare and foal—1 W C Edwards & Co; 2 W R Wilson, Cumberland; 3 M D McCosham. Foal—1 and 2 M D McCosham; 3 W R Wilson. Three-year-old gelding or filly—1 H S Dowd, Guyon; 2 T Langford, Ironsides; 3 John Kennedy, Billings' Bridge. Two-year-old gelding or filly—1 Jos Kerr, Templeton; 2 Alex Kennedy, Hartwell's Locks; 3 A Scharf, Cummings' Bridge. Yearling gelding or filly—1 W C Edwards & Co; 2 Samuel Duncan, Johnson's Corners. Pair matched carriage horses, 15 1/2 hands—1 Walter Cunningham, Ottawa; 2 Robert Beith, Bowmanville. Single carriage horse, 15 1/2 hands—1 M H Cochrane, Hillhurst; 2 A L Stetham, Ottawa; 3 H Macdonald, Hawthorne. Pair matched carriage horses, 15 1/2 hands—1 River View Farm, Ottawa; 2 M H Cochrane; 3 D J McGregor, Wilhamston. Single carriage horse, under 15 1/2 hands—1 Anglo-Saxon Tea Co; 2 F Bayne, City View; 3 M H Cochrane. Mare, any age—Gold medal, W Cunningham. Stallion, with three of his get—A A Blythe, Ottawa. Pair matched carriage horses—River View Stables, Ottawa. Local class, pair of matched carriage horses—Melville Bleeks, Munster. COACH HORSES.—Stallion, 3 years—1 J D Forth, Glen Buel; 2 W Hunt, Fitzroy; 3 A McGibbon, Merrickville. STANDARD-BREDS.—Stallion, 4 years—1 A P Mackie, Pembroke; 2 Alex MacLaren, Buckingham; 3 Thomas Butler, Ottawa. Stallion, 3 years—1 A Pettipiece, Ottawa East. Stallion, any age—A P Mackie. Two-year-old filly—1 Dr Church, Carp; 2 Alex MacLaren. Yearling filly—Alex MacLaren. Brood mare and foal—1, 2 and 3 Alex MacLaren. Foal—1 and 2 Alex MacLaren. Mare, any age—Alex MacLaren. Stallion, with three of his get—Alex MacLaren. Standard-bred stallion—Gold medal, A P Mackie. ROADSTERS.—Stallion, 4 years—1 Alex MacLaren, Buckingham; 2 F Brunet, Moose Creek; 3 D O'Grady, Greely. Stallion, 2 years—1 A Pettipiece, Vale, Ottawa. Stallion, any age—1 Alex MacLaren. Filly, 3 years—1 Alex MacLaren; 2 F Bayn, City View; 3 Chas Mc Morrow, Ottawa. Filly, 2 years—1 and 2 Alex MacLaren; 3 Hugh MacLaren, Ottawa. Filly, 1 year—1 Joseph Kerr, Templeton; 2 Jas Callander, North Gower; 3 R C Clarke, Sarsfield. Brood mare and foal—1 Alex MacLaren; 2 and 3 W C Edwards & Co. Foal—1 W C Edwards & Co; 2 Alex MacLaren; 3 N F Wilson, Cumberland. Mare, any age—1 Alex MacLaren. Pair roadsters—Hon C Sifton, Ottawa; 2 M C Foster, Vaudreuil. Roadsters, 2 bands high—1 Alex MacLaren; 2 John Hutton, Ottawa; 3 John Clarke, City View. Pair of roadsters, 15 hands and over—Alex MacLaren. Single roadster—Gold medal, Alex MacLaren. SADDLE HORSES AND HUNTERS.—Saddle horses—1 M H Cochrane, Hillhurst; 2 E Cardinal, Ottawa; 3 River View Stables, Ottawa. Hunter, heavyweight—1 River View Stables; 2 M H Cochrane; 3 Hugh Alexander, Ottawa. Hunter, lightweight—1 E Cardinal; 2 C D Graham, Ottawa; 3 W C Edwards & Co. Gelding or filly, 2 years—1 Thos Nixon, Manotick. Yearling gelding or filly—1 and 2 W C Edwards & Co; 3 F Richardson, Billings' Bridge. Heavyweight hunter—Gold medal, River View Stables, Ottawa. HACKNEYS.—Stallion, four years old—1 Robt Beith, Bowmanville. Stallion, three years—1 D & O Sorby, Guelph; 2 Russell District Stock Farm, Rockland. Yearling stallion—1 and 2 M H Cochrane, Hillhurst. Filly, three years—1 Robt Beith. Filly, two years—1 and 3 M H Cochrane; 2 Robt Beith. Yearling filly—1 and 3 Robt Beith; 2 M H Cochrane. Brood mare and foal—1 D & O Sorby; 2 Robt Beith; 3 M H Cochrane. Foal—1 and 2 Robt Beith; 3 D & O Sorby. Stallion, any age—1 D & O Sorby. Stallion—Gold medal, 1 Robt Beith. Stallion, mare, or gelding, in vehicle—Silver medal, donated by American Hackney Horse Society, M H Cochrane. Mare or gelding, under saddle—Silver medal, donated by American Hackney Horse Society, M H Cochrane. HIGH-STEPPERS.—Pair matched horses—1 Robt Beith, Bowmanville; 2 River View Stables, Ottawa; 3 Anglo-Saxon Tea Co, Ottawa. Pair of matched horses—Gold medal, 1 Robt Beith. Single horse—1 River View Stables; 2 M H Cochrane; 3 Robt Beith. Four-in-hand—1 Robt Beith. Tandem—1 M H Cochrane; 2 Robt Beith. GENERAL PURPOSE.—Stallion—1 Wm R Wilson, Manotick; 2 Geo Sparks, Vars, Ont.; 3 Jos McSorley, Hintonburg. Brood mare and foal—1 Wm Allen, Hull; 2 Samuel Duncan, Johnson's Corners; 3 A Sharpley, Gatineau Point. Three-year-old gelding or filly—1 Wm Allen; 2 E Scharf, Hazeldean; 3 A Scharf, Cummings' Bridge. Two-year-old gelding or filly—1 McGerrigle Bros, Ormstown; 2 C W Barber, Gatineau Point; 3 Walter Hurdman, Hurdman's Bridge. Yearling gelding or filly—1 A Sharpley; 2 Jas Tierney, Twin Elm; 3 Wm Allen. Foal—1 Wm Allen; 2 Jas Tierney; 3 A Sharpley. Team, in harness—1 Jas McGee, North Gower; 2 Jas Tubman, Munster; 3 John Thompson, Howick. Best mare, any age—1 Wm Allen. Team of general purpose horses—Gold medal, Wm Allen. HEAVY DRAFTS (Local Class).—Stallion, three years—1 Wm Allen, Hull; 2 A McGibbon, Merrickville; 3 Geo Sparks, Vars. HEAVY DRAFTS (IMPORTED).—Stallion, four years—1 Robt Ness, Howick; 2 Bowles & Armstrong, Spring. Stallion, three years—1 and 2 Robt Ness; 3 Russel District Stock Farm, Rockland. Stallion, two years—1 and 2 Robt Ness; 3 McGerrigle Bros, Ormstown. Yearling stallion—1 D & O Sorby; 2 C W Barber, Gatineau Point. Filly, three years—1 D & O Sorby. Filly, two years—1 W R McLatchie, Gatineau Point; 2 D & O Sorby; 3 Robt Ness. Yearling filly—1 D & O Sorby; 2 Robt Ness; 3

River Bow Stock Farm.

B. SNARY & SONS, CROTON, ONT., Breeders of Shorthorn Cattle, Poland-China and Chester White Swine. We offer for sale seven good young bulls, from seven to twelve months old; eight heifers of choice quality and breeding. Sired by Chief Captain. Pigs of both sexes and all ages at moderate prices, quality considered.

John Miller & Sons,

BROUGHAM P. O. and TELEGRAPH OFFICE, OFFER FOR SALE... 4 Imported Clydesdale Stallions. 10 Scotch-bred Shorthorn Bulls. 10 Yearling shropshire Rams, 3 of them imp. 20 First-class Ram Lambs.

PRICES REASONABLE.

Claremont Stn., Pickering Stn., C.P.R. G.T.R. Correspondence Invited.

F. BONNYCASTLE & SONS

CAMPBELLFORD P. O., ONT., BREEDERS OF Shorthorns, Cotswolds, and BERKSHIRES. Have 9 bull calves for sale, from 1 to 8 months old, price from \$45 to \$60 each (registered). Also heifers and heifer calves; 30 Berkshire pigs, from 5 weeks to 5 months old, from \$5 to \$10 each (registered).

JOHN DRYDEN,

BROOKLIN, ONTARIO, BREEDER OF Scotch Shorthorns, and Choice Shropshire Sheep. Scotch Shorthorns FOR SALE. 100 head to select from: 23 grand young bulls by Valkyrie = 21896 =, and cows and heifers of all ages, of the most approved breeding, served by (imp.) Diamond Jubilee = 28861 =, now at the head of our herd.

T. DOUGLAS & SONS,

Strathroy Station and P. O. Farm 1 mile north of the town. SPRINGHURST SHORTHORNS The famous sire, Abbotstford = 19446 =, and the crack young show bull, (imp.) Knuckle Duster (72793), head the herd, which is largely of Cruickshank blood. Twelve good young bulls (some topers), and a choice selection of females for sale. Address, Exeter Station, G. T. R., half mile from farm. H. SMITH, HAY, ONT.

SPRINGFIELD FARM

HERD OF Shorthorns, Oxfords, and Berkshires. Young bulls and Heifers on hand. Also a few choice Berkshires. CHAS. RANKIN, Weybridge, Ont. SIMCOE CO.

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.

MOUNT ROSE STOCK FARM

Young Shorthorn bulls, heifers and cows for sale. Prices right. J. W. Hartman & SONS, Elmbridge P. O., Ont.

SPRINGBANK FARM.

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

J Bowman, Guelph. Foal—1 McGerrigle Bros; 2 D & O Sorby; 3 Robt Ness. Team, heavy draft—1 D & O Sorby; 2 McGerrigle Bros; 3 E W Clark, Ottawa. Mare, any age—1 D & O Sorby. Stallion with 3 of his get—1 Wm Allen. SHIRES.—Stallion, 3 years—J A McArthur, Lancaster.

HEAVY DRAFTS (CANADIAN-BRED ONLY).—Stallion, 4 years—1 Thos Good, Richmond; 2 McGerrigle Bros, Ormstown; 3 A Spratt, Johnson's Corners. Stallion, three years—1 Russell District Stock Farm, Rockland; 2 Arthur Paul, Chrysler; 3 A Miller, Arnprior. Stallion, two years—1 H Hartin, Twin Elm; 2 Russell District Stock Farm; 3 J R Robinson, Manion; 4 Jas Callander, North Gower. Yearling stallion—1 Jno Clark, sr, City View; 2 A Moffatt, Harbor. Brood mare and foal—1 McGerrigle Bros; 2 A Spratt; 3 A Moffatt; 4 A Scharf, Cummings' Bridge. Filly or gelding, three years—1 Fred Richardson, Billings' Bridge; 2 McGerrigle Bros. Filly or gelding, two years—1 F Richardson; 2 Jas Tierney, Twin Elm; 3 Stewart & Son, Dalmeny; 4 McGerrigle Bros. Yearling filly or gelding—1 W R McLatchie, Gatineau Point; 2 A Spratt. Foal—1 A Spratt; 2 Wm Allen, Hull; 3 A Moffatt. Team—1 Thos Birkett. Stallion with 3 of his get—1 A Spratt. Mare, any age—1 W H Hartin. Stallion, any age—1 Thos Good.

CATTLE. SHORTHORNS.—Bull, 3 years—1 T E Robson, Ilderton. Bull, 2 years—1 T E Robson. Bull, 1 year—1 R & S Nicholson, Sylvan; 2 Jas Leask, Greenbank. Bull calf—1 and 3 R & S Nicholson; 2 T E Robson. Bull, any age—1 E Robson. Aged cow—1 and 2 T E Robson. Heifer calf—1 and 2 T E Robson. Heifer, 2 years—1 T E Robson; 2 and 3 R & S Nicholson. Heifer, 1 year—1 and 2 T E Robson; 3 R & S Nicholson. Heifer calf—1 and 2 T E Robson; 3 R & S Nicholson. Female—1 T E Robson. Herd—1 T E Robson, 2 R & S Nicholson. Special prizes donated by Dominion Shorthorn Breeders' Association, herd—1 T E Robson, 2 R & S Nicholson. Bull—1 T E Robson. Female—1 T E Robson. Herd of four calves—1 R & S Nicholson, 2 T E Robson.

GALLOWAYS.—Bulls, 3 years—1 John Sibbald, Annap; 2 D McCrae, Guelph. Bull, 1 year—1 J Sibbald, 2 and 3 D McCrae. Bull calf—1 and 2 D McCrae, 3 J Sibbald. Bull, any age—1 J Sibbald. Aged cow—1 and 3 D McCrae, 2 J Sibbald. Heifer, 2 years—1 and 3 D McCrae, 2 J Sibbald. Heifer, 1 year—1 and 2 D McCrae, 3 J Sibbald. Heifer calf—1 and 2 D McCrae, 3 J Sibbald. Females, and age—1 D McCrae. Herd—1 D McCrae.

HEREFORDS.—Bull, 3 years—1 W H Hunter, Orangeville. Bull, 2 years—1 H D Smith, Compton. Bull, 1 year—1 H D Smith. Bull calf—1 and 3 W H Hunter, 2 H D Smith. Bull, any age—H D Smith. Aged cow—1, 2 and 3 H D Smith. Heifer, 2 years—1, 2 and 3 H D Smith. Heifer, 1 year—1 H D Smith, 2 W H Hunter. Heifer calf—1 and 2 W H Hunter, 3 H D Smith. Female, any age—1 H D Smith. Herd—1 and 3 H D Smith, 2 W H Hunter.

POLLED ANGUS.—Bull, 3 years—1 James Bowman, Guelph. Bull calf—1 and 2 J Bowman. Bull, any age—J Bowman. Aged cow—1, 2 and 3 J Bowman. Heifer, 2 years—1 and 2 J Bowman. Heifer, 1 year—1 Bowman. Heifer calf—1 and 2 J Bowman. Female, any age—J Bowman. Herd—J Bowman.

DEVONS.—Bull, 3 years—W J Rudd, Eden Mills. Bull, 2 years—W J Rudd. Bull, 1 year—1 and 2 W J Rudd. Bull calf—1 W J Rudd. Bull, any age—W J Rudd. Aged cow—1, 2 and 3—W J Rudd. Heifer, 2 years—1, 2 and 3 W J Rudd. Heifer, 1 year—1 and 2, W J Rudd. Heifer calf—1 and 2 W J Rudd. Female, any age—W J Rudd. Herd—W J Rudd.

JERSEYS.—Bull, 3 years—1 R & W Conroy, Deschenes Mills; 2 Jas Anderson, Hurdman's Bridge; 3 J A McArthur, Lancaster. Bull, 2 years—1 W Conroy. Bull, 1 year—E N Fleming, Toronto; 2 R & W Conroy. Bull calf, over 6 months—R & W Conroy. Bull calf, under six months—R & W Conroy. Bull, any age—E N Fleming. Cow, 4 years—1, 2 and 3 R & W Conroy. Cow, 3 years—R & W Conroy. Heifer, 1 year—R & W Conroy. Heifer calf—R & W Conroy. Herd—R & W Conroy.

GUERNSEYS.—Bull, 3 years—1 Isaleigh Grange Farm, Dansville, Ont; 2 and 3 Butler & Son, Dereham Centre. Bull, 2 years—1 Isaleigh Grange Farm, 2 Butler & Son. Bull, 1 year—Isaleigh Grange Farm. Bull calf—Isaleigh Grange Farm. Bull, any age—Isaleigh Grange Farm. Cow, 4 years—1 Isaleigh Grange Farm, 2 and 3 Butler & Son. Cow—1 and 2 Isaleigh Grange Farm, 3 Butler & Son. Heifer, 2 years—1 Isaleigh Grange Farm, 2 Butler & Son. Heifer, 1 year—1 and 2 Isaleigh Grange Farm, 3 Butler & Son. Heifer calf—1 and 2 Isaleigh Grange Farm, 3 Butler & Son. Female, any age—Isaleigh Grange Farm. Herd—1 Isaleigh Grange Farm, 2 Butler & Son.

CANADIAN CATTLE.—Bull, 3 years—1 Louis Thounin, Repentigny; 2 A Denis, St Norbert; 3 Jos Dugas, St Jacques/Achigan. Bull, 2 years—1 Louis Thounin; 2 A Denis; 3 J Dugas. Bull, 1 year—1 A Denis; 2 and 3 L Thounin. Bull calf—1 A Denis; 2 J Dugas; 3 L Thounin. Bull, any age—L Thounin. Cow, 4 years—1 and 2 A Denis; 3 L Thounin. Heifer, 2 years—1 L Thounin; 2 J Dugas; 3 A Denis. Heifer, 1 year—1 L Thounin; 2 A Denis; 3 J Dugas. Heifer calf, over 6 months—1 A Denis; 2 L Thounin; 3 J Dugas. Heifer calf, under 6 months—1 J Dugas; 2 L Thounin; 3 A Denis. Herd—1 L Thounin; 2 A Denis.

GRADE CATTLE (FOR DAIRY PURPOSES).—Cow, 4 years—1 and 3 Reid & Co, Hintonburg, Ont; 2 Robt R Ness, Howick, Que. Cow, 3 years—1 H J Whitteker, North Williamsburg, Ont; 2 R R Ness; 3 J G Clarke, Ottawa. Heifer, 2 years—1 H J Whitteker; 2 R R Ness; 3 J G Clarke. Heifer, 1 year—1 R Reid & Co; 2 Duncun Cumming, Russell; 3 H J Whitteker. Heifer calf—1 R R Ness; 2 H J Whitteker; 3 J G Clarke. Female, any age—1 R Reid & Co. Herd—1 R Reid & Co; 2 R R Ness; 3 J G Clarke.

GRADE CATTLE (FOR BEEF PURPOSES).—Cow, 1 and 3 Jas Leask, Greenbank, Ont; 3 Wm Allen, Hull. Heifer, 2 years—1 and 2 Jas Leask; 3 Wm Allen. Heifer, 1 year—1 Jas Leask; 2 Wm Allen. Heifer, under one year

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ARTHUR JOHNSTON

Greenwood P. O. and Telegraph Office, OFFERS FOR SALE 15 SHORTHORN BULLS FIT FOR SERVICE; 3 IMPORTED. 25 COWS AND HEIFERS Including 9 recently imported heifers. Prices right. Catalogues on application. Claremont Station, C. P. R. Pickering Station, G. T. R. "NO BUSINESS, NO HARM."

W. D. FLATT, HAMILTON P. O. and TELEGRAPH OFFICE,

OFFERS FOR SALE 7 Imported Bulls, 16 Canadian-bred Bulls, 30 Canadian-bred Cows and Heifers; ALSO A NUMBER OF IMPORTED COWS AND HEIFERS. The noted imported bull, Golden Fame, is at the head of my herd. Prices consistent with quality. Correspondence and inspection invited. Visitors welcome. Catalogue on application.

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Shorthorn Cattle and Lincoln Sheep. Herd prize and sweepstake at Toronto Industrial Exhibition, 1897 and 1898. Herd headed by Imported Blue Ribbon = 17095 = and the famous Money-tuffel Lad = 26521 =. High-class Shorthorns of all ages for sale. Also prizewinning Lincolns. Apply T. E. ROBSON, Ilderton, Ont.

BONNIE BURN STOCK FARM

Forty rock north of Stouffville Station, has for sale three excellent young Shorthorn Bulls, yearling and two-year old heifers in calf. Shropshire Lambs, both sexes; also Berkshires. At very moderate prices. D. H. RUSSELL, Stouffville, Ont.

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K FARM

ville, Ont.

1 Jas Leask; 2 Wm Allen. Female, any age  
1 Jas Leask. Herd-1 Jas Leask.

AYRSHIRES.—Bull, 3 years-1 Wm Wylie,  
Howick, Que; 2 W Henry, City View; 3 Isaleigh  
Grange Farm, Danville, Que; 4 Duncan  
Cumming, Russell. Bull, 2 years-1 Wm Stew-  
art & Son, Memie; 2 R Reid & Co, Hintonburg;  
3 Isaleigh Grange Farm; 4 J Yuill & Son, Carle-  
ton Place. Bull, 1 year-1 R R Ness, Howick;  
2 Isaleigh Grange Farm; 3 R Reid & Co; 4 J  
Yuill & Son. Bull calf, over 6 months-1 Wm  
Wylie; 2 R R Ness; 3 Isaleigh Grange Farm;  
4 Wm Stewart & Son. Bull calf, under 6  
months-1 and 3 Isaleigh Grange Farm; 2 R  
Reid & Co; 4 D Benning, Williamstown. Bull,  
any age-1 R R Ness. Cow, 4 years-1 and 3  
Isaleigh Grange Farm; 2 Wm Stewart & Son;  
4 Wm Wylie. Cow, 3 years-1 Wm Stewart & Son;  
2 Wm Wylie; 3 Isaleigh Grange Farm; 4  
R R Ness. Heifer, 2 years-1 and 4 Wm Wylie;  
2 R R Ness; 3 Isaleigh Grange Farm. Heifer,  
1 year-1 R R Ness; 2 J Yuill & Son; 3 R Reid  
& Co; 4 Isaleigh Grange Farm. Heifer calf,  
over 6 months-1 R R Ness; 2 and 3 Wm Wylie;  
over 6 months-1 Wm Stewart & Son; 2 R Reid  
& Co; 3 Isaleigh Grange Farm. Heifer, under 6 months  
-1 Isaleigh Grange Farm; 2 R R Ness; 3 Wm  
Wylie; 4 R Reid & Co. Dry cow, 3 years and  
upwards-1 R R Ness; 2 and 3 J Yuill & Son.  
Female, any age-1 Wm Wylie. Herd,  
all over 1 year-1 Wm Wylie; 2 Isaleigh Grange  
Farm; 3 R R Ness. Herd, under 2 years-1 R  
R Ness; 2 Wm Wylie.

HOLSTEINS.—Bull, 3 years-1 G W Clemons,  
St George; 2 Jno Drummond, Kilmours; 3 A  
& G Rice, Curries. Bull, 2 years-1 C J Gilroy  
& G Rice; 2 A & G Rice; 3 C M Keeler  
& Son, Glen Buell; 2 A & G Rice; 3 C M Keeler  
& Son, Glen Buell. Bull, 1 year-1 and 2 A & G Rice.  
Bull calf, under 1 year-1 C M Keeler; 2 C J  
Gilroy & Son; 3 G Dowler, Billings; 4 A  
& G Rice. Bull calf, under 6 months-1 C M  
Keeler; 2 A & G Rice; 3 Jno Drummond; 4  
C J Gilroy & Son. Bull, any age-1 G W Clemons;  
2 A & G Rice; 3 C M Keeler & Son; 4 A & G  
Rice; 5 C J Gilroy & Son; 6 G W Clemons.  
Cow, 3 years-1 G W Clemons; 2 A & G Rice;  
3 H McColl, Ottawa. Heifer, 2 years-1 C J  
Gilroy & Son; 2 A & G Rice; 3 G W Clemons.  
Heifer, 1 year-1 C J Gilroy & Son; 2 A & G  
Rice; 3 C M Keeler. Heifer calf, under 1 year  
-1 C J Gilroy & Son; 2 G W Clemons; 3 Jno  
Richardson; 4 A & G Rice. Heifer calf, under  
6 months-1 and 2 C M Keeler; 3 A & G Rice; 4  
G W Clemons. Female, any age-1 C J Gilroy  
& Son. Herd, over 1 year-1 G W Clemons; 2  
C J Gilroy & Son; 3 C M Keeler. Herd, under  
2 years-1 C J Gilroy & Son; 2 A & G Rice.

DAIRY TEST.—1, 2 and 3 C J Gilroy & Son,  
Glen Buell. Full report of test in next issue.

SHEEP.

COTSWOLDS.—Aged ram-1 and 2 A J  
Watson, Castlederg; 3 A Denis, St Norbert.  
Shearling ram-1 A J Watson; 2 Alf Denison,  
Metcalf; 3 A Denis. Ram lamb-1 and 3 A J  
Watson; 2 A Denis. Aged ewes-1 and 2 A J  
Watson; 3 A Denis. Shearling ewe-1, 2 and  
3 A J Watson. Ewe lamb-1 and 2 A J Wat-  
son; 3 A Denis. Pen-A J Watson.

LEICESTERS.—Aged ram-1 J M Gard-  
house, Highfield; 2 John Kelly, Shakespeare;  
3 John Sibbald, Annan. Shearling ram-1 and  
2 J Kelly; 3 J M Gardhouse. Ram lamb-1 J  
M Gardhouse; 2 and 3 J Kelly. Aged ewe-1  
and 2 J M Gardhouse. Shearling ewe-1 and  
3 J M Gardhouse; 2 J Kelly. Ewe lamb-1 and  
3 J M Gardhouse; 2 J Kelly. Pen-J M Gard-  
house.

LINCOLNS.—Aged ram-1 Gibson & Walker,  
Hderton; 2 A Denis, St Norbert. Shearling  
ram-1, 2 and 3 Gibson & Walker. Ram lamb  
-1 and 2 Gibson & Walker; 3 A Denis. Aged  
ewe-1, 2 and 3 Gibson & Walker. Shearling  
ewe-1, 2 and 3 Gibson & Walker. Ewe lamb  
-1, 2 and 3 Gibson & Walker. Pen-Gibson &  
Walker.

SOUTH DOWNS.—Aged ram-1 Senator  
Drummond, Montreal; 2 and 3 Robt Shaw &  
Son, Glanford Station. Shearling ram-1 W E  
& G L Telfer, Paris, Ont; 2 R Shaw & Son; 3  
Senator Drummond. Ram lamb-1 and 3 R  
Shaw & Son; 2 W E & G L Telfer. Aged ewe  
-1 Senator Drummond; 2 W E & G L Telfer;  
3 R Shaw & Son. Shearling ewe-1 and 2 W E  
& G L Telfer; 3 R Shaw & Son. Ewe lamb-1  
and 2 R Shaw & Son; 3 W E & G L Telfer.  
Pen-W E & G L Telfer.

SHROPSHIRE DOWNS.—Aged ram-1 and  
3 John Campbell, Woodville; 2 Follyfarm,  
Abington, Pa. Shearling ram-1 Follyfarm; 2  
and 3 John Campbell. Ram lamb-1 and 3  
John Campbell; 2 A Hagar, Plantagenet.  
Aged ewe-1 and 2 John Campbell; 3 Folly-  
farm. Shearling ewe-1, 2 and 3 Follyfarm.  
Ewe lamb-1, 2 and 3 Follyfarm. Pen-Folly-  
farm. Specials by American Shropshire As-  
sociation for flock of Shropshires-1 A Hagar,  
Flock of Shropshire lambs-1 John Campbell,  
Pen, Canadian-bred Shropshire Downs-1 A  
Hagar; 2 A M Stuart & Son, Dalmeny; 3 Albert  
Chartier, St Paul l'Hermitte.

OXFORD AND HAMPSHIRE DOWNS.—  
Aged ram-1 and 2 Smith Evans, Gourock.  
Shearling ram-1 Smith Evans; 2 Jno Kelly,  
Shakespeare. Ram lamb-1 J Kelly; 2 and 3  
Smith Evans. Aged ewe-1 J Kelly; 2 and 3  
Smith Evans. Shearling ewe-1, 2 and 3 Smith  
Evans. Ewe lamb-1 and 3 Smith Evans; 2 J  
Kelly. Pen-Smith Evans.

DORSET HORNED.—Aged ram-1 M N  
Empey, Napanee; 2 Jas Bowman, Guelpich; 3  
John A Richardson, South March. Shearling  
ram-1 M N Empey; 2 J Bowman; 3 J A  
Richardson. Ram lamb-1 M N Empey; 2 J A  
Richardson. Aged ewe-1, 2 and 3 M N Empey.  
Shearling ewe-1, 2 and 3 M N Empey.  
Ewe lamb-1, 2 and 3 M N Empey. Pen-1 M  
N Empey.

MERINOS.—Aged ram-1 and 2 Robt Shaw  
& Son, Glanford Station; 3 Duncan Cumming,  
Russell. Shearling ram-1, 2 and 3 Robt Shaw  
& Son. Ram lamb-1 and 2 R Shaw & Son; 3  
D Cumming. Aged ewe-1, 2 and 3 R Shaw &  
Son. Shearling ewe-1 and 2 R Shaw & Son; 3  
J J Shaw. Ewe lamb-1 and 3 R Shaw & Son;  
2 D Cumming. Pen-1 R Shaw & Son.

EAT SHEEP.—Wether, long-wooled, over 2  
years-1 and 2 Gibson & Walker, Hderton; 3  
John Campbell, Woodville. Wether, under 2  
years-1 Wm Secker, Dunbarton; 2 W E & G  
L Telfer, Paris. Wether, over 2 years, short-  
wooled-1 John Campbell; 2 and 3 Follyfarm,  
Abington, Pa.

SWINE.

BERKSHIRES.—Boar, 2 years-1 Geo Green,  
Fairview; 2 A J Watson, Castlederg; 3 R Reid  
& Co, Hintonburg. Boar, 1 year-1 Geo Green;

Thoroughbred Horses for Sale.

CHESTNUT STALLION, WICKER. FIVE YEARS OLD; 15.3.  
Public two-year-old trial, one mile in 1.42, 110 pounds up. Started five times as a three-year-old, winning  
three firsts, one third, one fourth, and then bowed a tendon; cannot race again, but as a sire of race  
horses, carriage or saddle horses, or hunters, of surpassing beauty and endurance, should be second to  
nothing in the Dominion; is a splendid jumper, powerful, gentle, and of rare beauty and quality.

CHESTNUT BROOD MARE, FANNY CARTER. FOALED 1882.  
Dam of Wicker; fine breeder; in foal to the Stockwell race horse, Beldemonio; broken to harness and  
saddle; superb jumper.

CHESTNUT HORSE COLT, "WHAT CHEER,"  
Yearling, full brother to Wicker.

CHESTNUT FILLY, FOUR MONTHS OLD, FULL SISTER TO WICKER.  
A magnificent youngster; extra large and fine.

Prices reasonable for such stock. This offers a rare opportunity to anyone wishing to start a racing  
stable from blood that cannot be excelled, either in this country or in England, and close to West Australian  
on both sides; or, to breeders in Northwest, government rates on registered stock being now almost  
nominal, and care and attendance provided free.

MRS. E. M. JONES, BOX 324, BROCKVILLE, ONT., CAN.  
Also (as usual) Jersey Cattle of highest excellence.

20 - Imported Scotch Shorthorns - 20

2 BULLS, 1 and 2 YEARS OLD; 14 HEIFERS, 2 YEARS OLD;  
4 YEARLING HEIFERS.

THIS importation came out of quarantine on the 12th July, and representatives of many of the leading  
Scotch families are amongst them, including Minns, Brawith Buds, Secrets, Mysies, Beauties, Lady  
Mays, Lustrus, etc. The home-bred herd contains Indian Statesman = 23004 =, and 15 young  
bulls from 6 to 18 months old, and 50 cows and heifers of all ages. Registered Shropshires, yearling rams  
and ewes, ram lambs from imp. Flashlight. Any of the above will be sold at reasonable prices. Corre-  
spondence or a personal visit solicited. Catalogues on application.

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Office, G. T. R., within half a mile of farm. FREEMAN, ONT.

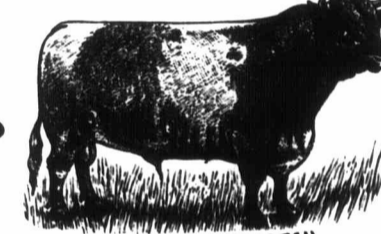
PURE-BRED GUERNSEY CATTLE

Chester White Swine. Duroc-Jersey Swine.

FOR SALE—Two young Bulls ready for service, and Heifers bred. First-class Pigs of all ages from  
imported and prizewinning sires and dams. Twenty head of HOLSTEINS for sale. Write for particu-  
lars and prices to WM. BUTLER & SONS, DEREHAM CENTRE, ONT.

2 Imported Shorthorn Bulls 2

4 2 - YEAR - OLD HEIFERS. 4 1 - YEAR - OLD HEIFERS.



ROYAL MEMBER (64741)

HEIFERS ALL IN CALF TO IMPORTED BULLS.

Correspondence or a personal visit solicited.  
Catalogues on application.

H. CARGILL & SON, CARGILL, ONT.  
Cargill Station and Post Office on G. T. R., within half a mile of barns.

THE LOSS OF AN EYE—terrible calamity. The tip of a horn  
often does it in tying up cattle. Cut off  
the horns quickly and  
humanely with the  
Keystone DEHORNING  
Knife. Cuts on four  
sides, no crush-  
ing or tearing. Highest Award World's Fair. FULLY GUARANTEED. Write  
at once for descriptive circulars, prices, etc. KEYSTONE DEHORNING CO., PICTON, ONT.

Thirteenth Importation.

Am Sailing for England, Scotland, Jer-  
sey, and Guernsey, October 14th, and would  
be pleased to have commissions to select and import  
any class of farm stock, particularly Jerseys, Guern-  
seys, Ayrshires, Herefords, Red Polled and Polled  
Angus cattle, Dorset and Lincoln sheep, or Hackneys.  
Have made twelve importations without loss or acci-  
dent for best breeders in America and Canada. Send  
for circular and estimate cost on stock required.  
ADDRESS, F. S. PEER, MT. MORRIS, N. Y.

AYRSHIRES FOR SALE.

The kind that can speak for themselves. Size,  
constitution, dairy and show combined. Six young  
bulls for sale, by Glencairn 3rd (imp.), dam Primrose  
(imp.). Five from Napoleon of Auchenbrain (imp.).  
Their dams are all Glencairn heifers. Five of their  
dams were shown last fall at Toronto, London, and  
Ottawa. Also a few good cows. No culls sold.

JAMES BODEN, TREDINNOCK FARM,  
STE. ANNE DE BELLEVUE, QUE.

Ayrshire Bull Calves of 1899

3 YET on hand, and more to come within the  
next month, from some of our best imported  
cows. Will sell at reasonable prices. Address:

ROBT. HUNTER,  
Manager to W. W. Ogilvie. LACHINE RAPIDS,  
QUE.

HICKORY HILL AYRSHIRES

Founded on Morton importation. Herd headed by  
Drummond 2036, by Norman of Robertson 1901;  
dam Maggie 1146. Young bulls and heifers now  
ready from three months up.

N. DYMENT, Clappison's Corners,  
Hamilton Station.

Choice Ayrshires for Sale.

Herd now headed by Royal Star of St. Ann's, 1st  
prize two-year-old at Toronto, 1st and sweepstakes at  
London, 1898. For sale: One fine bull calf seven  
months old, sired by a Morton bull; also younger  
ones, sired by Royal Star. Cows, fresh milkers, and  
cows due to calve in August; No. 1 stock; size, con-  
stitution, dairy and show combined; also heifer  
calves; at reasonable prices. All kinds of Cochins  
and Brahmas, B. P. Rocks, B. and White Minorcas.  
Write for prices and full particulars.

WILLIAM THORN,  
Trout Run Stock Farm, Lynedoch, Ont.

Ayrshire Cattle and Berkshire Pigs.

The bull Tom Brown and the heifer White  
Floss, winners of sweepstakes at World's Fair,  
were bred from this herd. Young stock for  
sale. Also Leicester sheep & Berkshire swine.

D. BENNING & SON,  
51-y-o Glenhurst Farm, Williamstown, Ont.

MEADOWSIDE FARM,

J. YUILL & SONS, Props., Carleton Place.

Breeders of high-class, deep-milking Ayrshires.  
Sweepstakes young herd at Ottawa. Shropshire  
sheep from prizewinning stock. Berkshire pigs  
and Barred Plymouth Rocks. Young stock for  
sale. Visitors met at Queen's Hotel. Give us a call.

HIGH-MILKING AYRSHIRES.

Descended from some of the most noted prizewinners  
at the World's Fair, Chicago, and other important  
competitions. None but the best are bred from. Young  
stock of both sexes for sale. Leicester.

DONALD CUMMING, LANCASTER.

4 Yearling Ayrshire Bulls for Sale.

Also a number  
of spring calves, sired by Douglas of London.

F. W. TAYLOR, Wellman's Corners, Ont.

2 R Reid & Co; 3 Jos Featherston, Streetsville;  
Boar, over 6 months-1 and 2 Geo Green. Boar,  
under 6 months-1 G Green; 2 and 3 R Reid &  
Co. Sow, 2 years-1 Geo Green; 2 R Reid &  
Co. Yearling sow-1 and 3 Geo Green; 2 R  
Reid & Co. Sow, over 6 months-1, 2 and 3  
Geo Green. Sow, under 6 months-1 and 2 Geo  
Green. Litter of pigs-1 Geo Green. Herd-1  
Geo Green.

YORKSHIRES.—Boar, 2 years-1 J E Bre-  
thour, Burford; 2 A W Ross, Douglas; 3 J G  
Clark, Ottawa. Boar, 1 year-1 J E Brethour;  
2 J G Clark. Boar, over 6 months-1 Jos Feath-  
erston; 2 A W Ross. Boar, under 6 months-1  
J G Clark; 2 J E Brethour; 3 Jos Featherston.  
Sow, 2 years-1 and 2 J E Brethour; 3 Jos  
Featherston. Yearling sow-1 and 2 J E Bre-  
thour; 3 Jos Featherston. Sow, over 6 months  
-1 and 2 J E Brethour; 3 Jos Featherston.  
Sow, under 6 months-1 Jos Featherston; 2 J E  
Brethour. Litter of pigs-1 A W Ross; 2 J G  
Clark. Herd-1 J E Brethour.

CHESTER WHITES.—Boar, 2 years-1  
George & Sons, Crampton; 2 Butler & Sons,  
Dereham Centre; 3 R Reid & Co, Hintonburg.  
Boar, 1 year-1 George & Sons; 2 Butler &  
Sons; 3 Robt Clarke, Ottawa. Boar, over 6  
months-1 and 3 George & Sons; 2 Butler &  
Sons. Boar, under 6 months-1 Robt Clarke; 2  
R Reid & Co. Sow, 2 years-1 and 2 George &  
Sons; 3 Butler & Sons. Yearling sow-1 R Reid  
& Co; 2 Butler & Sons; 3 George & Sons. Sow,  
over 6 months-1 Butler & Sons; 2 George &  
Sons. Sow, under 6 months-1 Butler & Sons;  
2 George & Sons. Litter of pigs-1 George &  
Sons; 2 R Reid & Co. Herd-1 George & Sons;  
2 R Reid & Co.

POLAND-CHINAS.—Boar, 2 years-1 R Reid  
& Co, Hintonburg; 2 and 3 W & H Jones, Mt  
Elgin. Boar, 1 year-1, 2 and 3 W & H Jones.  
Boar, over 6 months-1 R Reid & Co; 2 Jos  
Featherston, Streetsville; 3 W & H Jones.  
Boar, under 6 months-1 and 2 W & H Jones.  
Sow, 2 years-1, 2 and 3 W & H Jones. Sow,  
1 year-1 and 2 W & H Jones; 3 R Reid & Co.  
Sow, over 6 months-1, 2 and 3 W & H Jones.  
Sow, under 6 months-1 and 2 W & H Jones.  
Litter of pigs-1 R Reid & Co. Herd-1 W & H  
Jones.

TAMWORTHS.—Boar, 2 years-1 and 3  
George & Sons, Crampton; 2 R Reid & Co,  
Hintonburg. Boar, 1 year-1 R Reid & Co; 2  
George & Sons; 3 A Richardson, South March.  
Boar, over 6 months-1 R Reid & Co; 2 and 3  
George & Sons. Boar, under 6 months-1 and 3  
R Reid & Co; 2 George & Sons. Sow, 2 years  
-1 R Reid & Co; 2 R & J Conroy, Deschenes  
Mills; 3 George & Sons. Sow, 1 year-1 and 2  
R Reid & Co; 3 R & J Conroy. Sow, over 6  
months-1 R & J Conroy; 2 R Reid & Co; 3  
George & Sons. Sow, under 6 months-1 George  
& Sons; 2 and 3 R Reid & Co. Litter of pigs-1  
J A Richardson; 2 R Reid & Co. Herd-1 R  
Reid & Co.

DUROC-JERSEYS.—Boar, 2 years-1 J W  
Slack, Merivale; 2 and 3 Tape Bros, Ridge-  
town. Boar, 1 year-1 Tape Bros; 2 Geo Hurd-  
man, Hurdman's Bridge; 3 J W Slack. Boar,  
over 6 months-1 Tape Bros; 2 J G Clark, Ot-  
tawa; 3 Geo Hurdman. Boar, under 6 months  
-1 and 2 Tape Bros; 3 R Reid & Co. Sow, 2  
years-1 Tape Bros; 2 J G Clark; 3 Geo Hurd-  
man. Yearling sow-1 J W Slack; 2 and 3  
Tape Bros. Sow, over 6 months-1 Tape Bros;  
2 and 3 J G Clark. Sow, under 6 months-1 and  
2 Tape Bros; 3 Butler & Sons. Herd-1 Tape  
Bros.

GOSSIP.

Mrs. E. M. Jones, Brockville, Ont., makes  
an offering that should set horsemen that are  
looking for Thoroughbred stallions of racing,  
hunter and carriage type enquiring about  
them. See the advertisement.

The time to buy a good animal is when it is  
for sale, as then the seller is prepared to do  
business. Mr. H. N. Crossley, Roseau, Ont.,  
offers a number of choice imported and  
Canadian-bred Hackneys in this issue which  
should command attention, especially in dis-  
tricts where some attention is being paid to  
raising high-class carriage horses. See Mr.  
Crossley's advertisement, and write him for  
catalogue and figures.

We would draw the attention of our readers to  
the change of advertisement of W. C.  
Shearer, of Bright, Ont., who has some extra  
fine young Tamworth boars and sows to dis-  
pose of at low prices, considering quality.  
Among the number may be mentioned a  
splendid, lengthy, smooth sow by Minrod No.  
174 (imported). She has been recently bred to  
the grand stock boar, Glenside Kail.  
Another lot of very fine pigs, two months old,  
sired by Glenside Kail, dam Coldstream  
Garnet, of both sexes. Sprucedale Queen has  
a grand even litter at foot now that will be  
disposed of at reasonable prices.

SHORTHORN IMPORTATION.

There has recently been shipped for Messrs.  
H. Cargill & Sons, of Cargill, Ontario, a fine  
draft of highly-bred Shorthorns from the herds  
of Mr. Marr, Uppermill, and Mr. Duthie, Col-  
lynie. The selection which has been made for  
these Canadian breeders is an excellent one.  
The introduction of this draft, numbering  
twenty head, of beautiful, straight-bred cattle  
into Messrs. Cargill's herd should prove a notable  
event in the history of this well-known  
breeding establishment. The heifers have all  
been served by the very best sires in the herds  
of Messrs. Duthie and Marr, such as the Royal  
champion, Bapton Emperor, Lovat Champion,  
Wanderer (the sire of Scottish Champion),  
Bapton Glory, Scottish Champion, and Silver  
Plate. From Mr. Marr they purchased repre-  
sentatives of such tribes as the Missies, Em-  
mas, Bessies, Goldies, Mauds, Cruickshank  
Butterflies, and Claras. From Mr. Duthie  
they have secured a number of choice-bred  
animals. *Live Stock Journal* (Eng.).

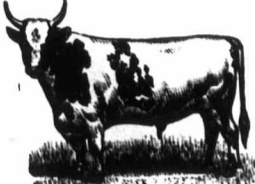
GOOD PRICES FOR SHORTHORNS IN SOUTH AMERICA.

Some good prices have been realized in  
South America for the Shorthorns sent out  
from Great Britain during the season. One  
of these, Celtic Prince, bred by H. R. H. the  
Prince of Wales, made 4738, while Bapton  
Emperor, which was purchased from Mr. J.  
D. Willis after the recent Royal Show by Mr.  
Millar, has been sold for 4850. Several other  
animals have also sold at long figures. Shel-  
ford Beau, bred by Mr. A. Dewhurst, has made  
4346; Knight Errant, 4558; and Seneca, bred by  
Mr. H. Myatt, 4522.

**CANCER** CURED WITHOUT KNIFE OR PLASTER. FULL PARTICULARS FREE. -om  
F. STOTT & JURY, Bowmanville, Ont.

**FOR SALE: A NUMBER OF Choice Ayrshire Bulls**

**THE IMP. BULL - Jock Morton.**  
A few young bulls fit for service, and bull calves under a year. Also a few heifers and heifer calves. Barred Rock, Black Spanish and Black Minorca fowls, and Cayuga and Rouen ducks.



JAS. McCORMACK & SON, ROCKTON, ONTARIO.

**CHOICE AYRSHIRE BULLS**

Three calves, 5, 8 and 12 months old, also one 1 month old, from that fine cow, Daisy 1st of Auchinbrain (imp.), and all sired by Craigelea of Auchinbrain (imp.). -om  
W. W. BALLANTYNE, Formerly Thos. Ballantyne & Son, Stratford, Ont. "NEIDPATH FARM" adjoins city, main line G.T.R.

**MAPLE CLIFF Dairy and Stock Farm.**

**AYRSHIRES** Three young bulls fit for service, and bull calves.  
**BERKSHIRES, TAMWORTHS,** Booking orders for spring litters. -om  
R. REID & CO., HINTONBURG, ONT.  
Five minutes' walk from Cen. Expl. Farm, Ottawa.

**WM. WYLIE, 228 BLEURY ST., MONTREAL, OR HOWICK, P.Q.**

Breeder of high-class Ayrshires. Young stock always for sale; bred from the choicest strains procurable. Breeding stock selected from the most fashionable strains and prizewinning stock of the day. Farm located at Howick, Que. 5-1-y-o



**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.

**GUERNSEYS**

**Two Choice Bull Calves AND Five Heifers for Sale.** -also-  
Tamworth and Berkshire Pigs.  
**W. H. & C. H. McNISH,** LYN, ONT.

**INGLESIDE HEREFORDS.**

**UP-TO-DATE HERD OF CANADA!**

**TAMWORTHS**

**CHOICE PIGS SIX TO SEVEN WEEKS OLD.**  
Send for Illustrated Catalogue. Address, -om  
**H. D. SMITH, COMPTON, QUE.**

**F. W. STONE ESTATE, GUELPH, ONTARIO.**

The first Hereford herd established in Canada by importations in 1859 of the best prizewinners of England, followed by repeated further importations, including winners of first prize at Royal Agricultural Show. Choice young Hereford Bulls for sale. Also McDougall's Sheep Dip and Cattle Wash fresh imported, non-poisonous and reliable; thoroughly tested by over forty years' use on farms of above estate. -om

**GLEN ROUGE JERSEYS.**

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

**Meadowbrook Jerseys, Tamworths.**

Bulls and Heifers for sale from herd that averaged \$63.10 per head for butter-fat alone last year. Sows that are bred and born fit for service from first prize exhibition stock. o EDGAR SILCOX, Shelden.

**GOSSIP.**

Mr. Miller, Buenos Ayres, who bought from Mr. Marr, Uppermill, the Royal champion bull, Bapton Emperor, for \$500, on condition that Mr. Marr had the use of him before shipment, has now sold him to a South American breeder for, it is said, \$800.

P. J. Coldwell, Constance, Ont., writes under date of Sept. 25, 1899:—"I have sold out my entire stock of Barred Rocks to Mr. J. C. Lyons, Lucknow, who will shortly advertise them in your paper. Mr. Lyons is an expert poultryman, and will handle my stock with satisfaction to all customers, I feel sure. Will you kindly make a note of the sale, and mention it in your stock 'gossip' so as to give Mr. Lyons a start and relieve me of the enquiries and orders that are and will come in. I recommend the ADVOCATE to all advertisers."

The grand Shorthorn sire, Star of Morning (58189), by Rising Star, and out of Baroness VI., by Field Marshal, died recently in the hands of Mr. A. M. Gordon, of Newton. He was bought as a calf eleven years ago at the Collynie sale, and proved a most impressive sire. He was the sire of Pride of Morning and Star of Dawn, two Highland champions. He has left no less than 203 pure-bred calves in the Newton herd, and his stock has been largely reared. Amongst other prizewinners which he sired were Buttermilk, which stood first as a two-year-old heifer at the Aberdeen Highland Show; Butterscotch (the dam of Mr. Gordon's bull Corner Stone, champion and winner of the Prince of Wales gold medal at Edinburgh this year); and Mr. Atkinson's Royal English Show bull, Asterisk. At the three sales in 1896, 1897, and 1898, his gets averaged £53 8s. Corner Stone will have enough to do to fill his place.

The Fairview Shropshire flock has during the past month fully maintained its reputation as a producer of rams and ewes which can successfully cope with the best from both sides of the sea at Toronto, London, and Ottawa. It won at each fair more first premiums than any of its competitors, and got by far the largest share of the money offered. Of the six premiums offered by the American Shropshire Association as specials for sheep and lambs bred in America, four were awarded to the Fairview exhibits. Very notices from Vermont in the past to Iowa in the west have been received of stock furnished for the showings this season being successful winners. These facts, coupled with the great care taken in securing the best available stock rams and ewes and mating them so as to produce, year after year, records unequalled on the continent, are guarantees to intending purchasers that in placing orders for Shropshire stock they will get good individuals, so bred that satisfactory results are nearly a certainty. As per advertisement in this issue, J. Campbell tells what he is prepared to do for customers.

Mr. W. D. Platt, Hamilton, Ont., writes reporting the following sales:—"To Mr. Chas. Rankin, Wyebridge, Ont.: Gladys (imp.), a very handsome heifer, of fine form and full of quality and beautifully bred, having such blood as the noted Cruickshank, Field Marshal, Mr. Radiator (imp.); he should deserve to be a remarkably good one. His sire, Pride of Fashion, was by the noted bull, Pride of Morning, out of Royal Bell, by Scottish Archer. This bull has been used, and is prized very highly by Mr. Duthie. His great grand-sire was by Cup Bearer (imp.), shown with unprecedented success in Scotland and United States, and a champion at Toronto Exhibition. He is an extraordinary good young bull, strong in all points and richly bred, coming of the favorite Crimson Flower tribe; his sire, Vice Regent, was by (imp.) Aberdeen, 1st prize Toronto Exhibition, two years, and sold for a high price to United States, where he has also proved to be a winner. The dam of Vice Regent was by (imp.) Vice Consul, 1st prize at Toronto Exhibition. He is undoubtedly proved to be one of the most successful stock bulls ever imported to Canada, being used for a number of years with great success by Messrs. Miller, of Brougham. The dam of Trout Creek Barmpton was individually as good as her breeding. Her sire, Indian Chief, was by Royal Lavender, by (imp.) Indian Chief, sire of many prize winners. Mr. Gibb was successful in securing the young herd prize at Woodstock on the 23rd, and he evidently intends to try and produce the very best. Trout Creek Barmpton was certainly one of the very best calves raised at Trout Creek Stock Farm this season. To Samuel McClelland, Beachburg, Ont., the ten-months-old bull named Trout Creek Sanson. This is a beautiful calf, and richly bred. His sire, Maxm, is capitolly bred, and was a really good individual; his dam was a very deep milker; his grand-sire, Louis Strathallan -3892-, was of the famous Strathallan family. Mr. McClelland can make no mistake in using such a bull, and, if properly cared for, he should be a winner in almost any company."

D. J. GIBSON'S BERKSHIRES AND TAMWORTHS. In this issue appears the new adv. of Mr. D. J. Gibson, Bowmanville, whose offering comprises some of the most fashionably-bred Berkshires and Tamworth pigs. Mr. Gibson has given much attention to judicious mating, and has gone considerably out of the road with long prices to obtain the most suitable sires. In Berkshires the famous Baron Lee 4th blood predominates. In the Tamworth pen may be found members of the noted Nimrod, Countess and Whitacre families. Mr. Gibson also gives considerable attention to poultry, which will be seen from time to time by his advertisement, and as he has been highly successful at the leading local showyards, some good things may be expected.

**THE STRONG FENCE**

Made of large wires, best spring steel, heavily galvanized. Provision made for expansion and contraction, so it is proof against all animals and all changes of weather. As nearly everlasting as anything on earth can be.  
**AMERICAN FIELD AND HOG FENCE**  
Sold by our agents everywhere. If you cannot find an agent in your town write direct to **AMERICAN STEEL & WIRE CO., Chicago or New York.**

**BARRED ROCKS.**

A great opportunity of securing cockerels, pairs, trios or breeding pens. Having purchased MISS COLDWELL'S entire stock, this, in addition to my own, has given me one of the largest and best flocks of Barred Rocks in the country. Also 100 choice exhibition or breeding cockerels of Silver Wyandottes, Buff Wyandottes, Buff Rocks, White Leghorns, and Black Spanish. For further information write  
**J. C. LYONS,** o "Lucknow Poultry Yards," Lucknow, Ont.

**BRAMPTON JERSEY HERD.**

Offering high-class A. J. C. C. cows and heifers in calf, and heifer calves; 9 choice young bulls. High-grade cows in calf; and Berkshires.  
**B. H. Bull & Son,** om BRAMPTON.

**S. WICKS & SONS**

**MOUNT DENNIS, ONT.**  
Offer two Registered A. J. C. C. Jersey Yearling Bulls. These are grand youngsters; cheap if sold at once. We have also some fine Registered C. K. C. Collie Pups; also some fine young Registered Bitches. Manufacturers of the Skee Hot Water Incubator. Hatches 100 per cent. The best and most scientific Incubator in the market. -om

**MAPLE CITY JERSEYS.**

**FOUR JERSEY BULL CALVES FOR SALE.** All descended from the best St. Lambert blood; age, from 9 to 11 months old; bred from very choice prize-winning stock. Herd took first prize the last three years wherever shown. Prices right.  
**W. W. EVERITT,** Box 552, Chatham, Ont.

**Deschenes Jersey Herd.**

HEADED BY IDA'S RIOTER OF ST. LAMBERT 47570.  
4 young bulls fit for service—registered. Also Tamworth swine from diploma herd, Canada Central Fair, Ottawa, 1898.  
**R. & W. CONROY,** DESCHENES MILLS, QUEBEC.

**GALLOWAYS & SHROPSHIRE**

2 BULL CALVES by the sweepstakes bull of '98 at Toronto. In Shropshires we have a bunch of useful shearlings and ram lambs to offer.  
**T. LLOYD-JONES & SONS,** -o BURFORD, ONT.

**The Big 4 at Brookside**

**THEIR HOLSTEINS:**  
Netherland Hengerveld, Official test, 26.66 lbs.  
DeKoi 2nd " " " " 26.57 " "  
Belle Korndyke " " " " 25.77 " "  
Helena Burke " " " " 25.45 " "  
We want to sell 10 cows and heifers, and 20 young bulls, bred in the lines above mentioned. Write, stating exactly what you want.  
**Henry Stevens & Sons, Lacona, N. Y.**

**Lynnfield Holstein Herd.**

Do you want to buy young cows that are great milkers, also two-year-old heifers, bred to our stock and show bull, Homestead DeKoi Belle Boy. We have also some fine heifers nine months old. For choice Holstein-Friesians write or visit me.  
**C. M. KEELER,** GREENBUSH P. O., ONT.

**MAPLE HILL HOLSTEIN-FRIESIANS**

The Gold Medal Herd of '97 and '98. A few choice cows and heifers now for sale, mostly bred to the butter bull, De Kol 2nd's Paul De Kol Duke. See my herd at the big fairs.  
**G. W. CLEMONS, ST. GEORGE, ONT.**

**Oh, Yes!** We sell Holstein Bulls. Sold 7 in May. Have 12 now on hand; oldest 9 months old; bred right and are right. Write for particulars. Male or female. State what you want. **A. & G. RICE, Currie's Crossing, Ont., Oxford County.** -cm

**Oxfords Galore....**

We have 300 to select from this fall, of all ages; bred up from the best English flocks. We employed the 1st and 2nd prize imported rams last fall.  
**PETER ARKELL & SONS,** -o TEESWATER, ONT.

**Oxfords...**

We will visit the Toronto Fair again with a strong class of home-bred and imported stock. We carry over 60 breeding ewes, and have a lot of splendid young stock on hand.  
**J. H. JULL & SON,** Burford Station. -o Mt. Vernon, Ont.

**OXFORD SHEEP**

Foundation stock composed of choice Canadian and first-prize imported stock; won 1st on ewe lamb (twelve in competition) at Ontario Fat Stock Show, 1898. Have a number of ewes, rams and lambs for sale. Also fine Bronze Turkeys and Collie Dogs. Express office, London. **ANDREW ELLIOT, POND MILLS, ONT.** -o

**OXFORD-DOWN SHEEP.**

Animals of all ages and both sexes for sale. Have some imp'd RAM LAMBS. Prices reasonable.  
**HENRY ARKELL, ARKELL, ONTARIO.** IMPORTER AND BREEDER OF

**LINCOLN SHEEP AND SHORTHORN CATTLE.**

"Fairfield Stock Farm," Ilderton, Ontario. Ten miles north of London, or One mile from Ilderton, L. H. & B. Railroad. o

**100 RAM LAMBS**

AND  
**50 EWE LAMBS,** Selected from Snell and Miller bred ewes, and by Snell-bred sires, from imported foundation.  
**YOUNG BROS., Binkham, Ont.** Erin Station, C. P. R. -o

**GOTSWOLDS.**

Females of all ages; also this season's crop of ram lambs; all from imported stock; extra well covered.  
**John I. Balsdon,** BALSAM, ONT. -o

**DORSET RAMS.**

We won three first and two second prizes at the largest shows of Ontario and Quebec with three rams; will sell from \$10 to \$20, our prize two-shear ram included. Address, **JAMES BOWMAN, Elm Park, Guelph, Ontario.** -o

**Maple Lodge Stock Farm**

ESTABLISHED 1854.  
**LEICESTERS**—We are offering a splendid lot of prize for flock again this year at Toronto and London.  
**SHORTHORNS**—As good a lot of young bulls as we ever offered. Some from grand milking strains.  
**ALEX. W. SMITH,** -om MAPLE LODGE P. O., ONT.

**6 CHOICE REG. LEICESTER RAMS 6**

Strong, even, well-covered sheep, especially selected from flock of 1898. Also ram and ewe lambs. Wanted, a Farm Hand (single) to take care of stock, etc.  
**E. GAUNT & SON,** LUCKNOW, ONT. -om

**LEICESTERS.**

100 head to select from, among which are some specially good shearing ewes and rams. We employed two rams last fall, bred direct from imported stock.  
**C. & E. WOOD, FREEMAN, ONT.** -o

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**W ELLIOT,**

**HEEP.**  
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**IT STANDS**

Any way you look at it, The Sherwin-Williams Paint stands. White lead paint covers well, but it chinks and rubs off. Zinc paint spreads well, but it cracks and peels off. Neither one alone makes a durable paint. The Sherwin-Williams Paint combines the best qualities of both with the highest skill. It contains the best lead in the best proportion, the best zinc in the best proportion, and the best oil and drier and color, all in the best proportions. From every point of view it stands comparison with lead paint or zinc paint. It stands when exposed to the weather and hard wear. It stands alone—every can fully guaranteed, and behind the guarantee all the resources and the reputation of the Company.

**THE SHERWIN-WILLIAMS PAINT**

is specially prepared for every kind of painting. Get the right kind for your work. Go by the label. A practical book on painting free.  
**THE SHERWIN-WILLIAMS CO., PAINT & COLOR MAKERS,**  
 Canadian Dept., 21 St. Antoine St., Montreal.

ANOTHER FINE WALL  
 Built with  
**Thorold Cement**



Basement and Frame of Mr. J. A. James' Dairy Stock Barn, Nilestown, Ont.  
 New portion, 72x60 feet. Walls, 12 feet high.

**WHAT MR. JAMES SAYS ABOUT THOROLD CEMENT.**  
 Nilestown, Ont., September 7th, 1889.

ESTATE OF JOHN BATTLE, THOROLD, ONTARIO.  
 Dear Sirs.—It is with pleasure that I testify to the good qualities of your Thorold Cement, having used it in building the concrete walls of my barn, size 72x60 feet. It turned out a splendid job, the walls being hard and dry, and I have no hesitation in recommending your Cement to those requiring its use.  
 J. A. JAMES.

**FOR FREE PAMPHLET WITH FULL PARTICULARS, ADDRESS**  
**ESTATE OF JOHN BATTLE,**  
**THOROLD, - ONTARIO.**

**Leicester Flock for Sale.**

I offer for sale my entire flock of Leicesters, consisting of fifteen Ewes (four shear and under) and eleven Ewe Lambs; also Stock Ram (two shear), shearing Ram, and six Ram Lambs; all are registered or eligible. Special inducements to parties buying whole ewe flock. Satisfactory reasons for selling.

**MUNGO MCNABB, COWAL P.O.**

**SHROPSHIRE!**  
 We are offering twenty-five strong, well-covered lambs from descendants of Miller importation.

**ROWAT BROS., Hillsdale, Ont.**

**SHROPSHIRE**  
 Shall have a fine lot of choice early lambs for the fall trade. We import and breed only the best.  
**J. P. PHIN, Hespeler, Ont.**

**SHROPSHIRE**  
**SEVENTEEN SHEARLING RAMS.**

Also our two-shear stock ram, from John Miller & Son's flock, with twelve ram lambs. Have for sale two **Shorthorn Bulls**, one fourteen months and one five months. Prices moderate.  
**PUGH BROS., Whitevale P.O.**

**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.**

**Shropshires for Sale.**  
 Shearling Rams and Ewes, and Ram and Ewe Lambs.  
**W. E. WRIGHT, Glanworth, Ont.**

**Western Fair Prize List.**

**HORSES.**  
**THOROUGHBREDS (REGISTERED).**—Stallion, four years old and upwards—1 W Hendrie, Hamilton; 2 O'Neil & Co, London; 3 W J Thompson, Hamilton. Stallion, three years old—1 Kerr & Egan, Toronto. Stallion, any age—1 W Hendrie; 2 O'Neil & Co. Brood mare, with foal by her side—1 and 2 W Hendrie. Foal of 1889—1 and 2 W Hendrie. Mare, any age—1 W Hendrie.  
**HACKNEYS.**—Stallion, four years old and upwards—1 A St Clair, Aylmer. Stallion, three years old—1 D & O Sorby, Guelph. Stallion, any age—1 A St Clair; 2 and 3 D & O Sorby. Brood mare, with foal by her side—1 D & O Sorby. Filly, two years old—1 D & O Sorby. Filly, one year old—1 A St Clair. Foal of 1889—1 W J Travers, Talbotville; 2 D & O Sorby. Mare, any age—1 D & O Sorby.  
**CLYDESDALES.**—Stallion, four years old and upwards—1 E R Hogate, Toronto; 2 Jos Metcalf, Petrolia. Stallion, three years old—1 W Mossip, St Mary's; 2 E R Hogate; 3 J G Fitzgerald, London. Stallion, two years old—1 Smiley Bros, Brucefield; 2 Jas McFarlane, Clinton. Stallion, one year old—1 D & O Sorby; 2 S J Prouse, Ingersoll. Stallion, any age—1 Smiley Bros; 2 D & O Sorby; 3 E R Hogate. Brood mare, with foal by her side—1 D & O Sorby; 2 S J Prouse; 3 D McDiarmid, Beachville. Filly, three years old and upwards—1 D & O Sorby. Filly, two years old—1 D & O Sorby; 2 Chris Dale, Constance. Filly, one year old—1 D & O Sorby; 2 S J Prouse. Foal of 1889—1 S J Prouse; 2 D & O Sorby; 3 D McDiarmid. Mare, any age—1, 2, 3, D & O Sorby. Team—1 Geo Moore, Waterloo; 2 J Stewart, Springbank; 3 D & O Sorby.  
**ENGLISH SHIRES.**—Stallion, four years old and upward—1 Bawden & McDonnell, Exeter; 2 E R Hogate. Stallion, any age—1 Bawden & McDonnell.  
**HEAVY DRAFTS.**—Stallion, three years old—1 Thos McMichael, Seaforth. Stallion, one year old—1 A C Fisher, Benmiller; 2 Fred Foster, Ingersoll. Stallion, any age—1 Thos McMichael; 2 A C Fisher; 3 Geo Dale, Clinton. Brood mare, with foal by her side—1 W Dale & Son, Seaforth; 2 W Fleming, London; 3 Fred Foster. Filly, three years old and upwards—1 Neil McIntosh, Braemar. Filly, two years old—1 Neil McIntosh. Filly, one year old—1 J Calkin, Kintore; 2 W Fleming. Foal of 1889—1 Geo Dale; 2 Wm Dale & Son; 3 Wm Fleming. Mare, any age—1 and 3 Wm Dale & Son; 2 Wm Fleming.

**CARRIAGE AND COACH.**—Stallion, four years old and upwards—1 J Longfield, Crampton; 2 Daniel Thody, St Thomas. Stallion, three years old—1 W H Guest, Ballymote. Stallion, one year old—1 J Chambers, Kippen. Stallion, any age—1 John Longfield; 2 W Guest. Brood mare, with foal by her side—1 W H Guest; 2 W J Travers, Talbotville; 3 James Clark, Mt Brydges. Gelding or filly, three years old—1 A St Clair, Aylmer; 2 John J McEwen, Nairn; 3 John Beattie, Derwent. Gelding or filly, two years old—1 Hy Nichol, Ilderton; 2 W Mossip, St Mary's; 3 Thomas McComb, Masonville. Gelding or filly, one year old—1 Hy Nichol; 2 James Clark; 3 G H Lynden. Foal of 1889—1 W H Guest; 2 John Nichol; 3 Jas Clark. Matched team, in harness, 16 hands and over—1 Wm Bernard, London; 2 J Brokenshire, Exeter; 3 Wm Green, London. Matched team, in harness, 15½ hands and under—1 Adam Harkness, Belmont; 2 W Oakes, St Williams; 3 W M Brown, Canlogorm. Single driver, in harness, 16 hands and over—1 A Beck, London; 2 St Clair; 3 Robt Hueston, London. Single driver, in harness, 15½ hands and under—1 W Ewing, Petrolia; 2 Wm Dale & Son; 3 R Dickson, St. Mary's. Mare, any age—1 W H Guest; 2 C A Shiply, Duncrief; 3 John Nichol.

**ROADSTERS.**—Stallion, four years old and upwards—1 W Thompson, Dresden; 2 J W Hill, Port Rowan; 3 James Henderson, Belton. Stallion, three years old—1 Robert Sutherland, Rayside. Stallion, two years old—1 George Willson, Winton. Stallion, one year old—1 Amos Cutler, Coldstream; 2 Alfred Butt, Clinton. Stallion, any age—1 Amos Cutler; 2 Alfred Butt; 3 J W Hill. Brood mare, with foal by her side—1 J J McEwen, Nairn. Gelding or filly, three years old—1 John Watson, Listowel; 2 Geo McCormick, London; 3 J W Hill. Gelding or filly, two years old—1 Ed McLurg, Ivan; 2 John Watson. Gelding or filly, one year old—1 James Clark, Mt Brydges. Foal of 1889—1 John Watson; 2 John J McEwen. Matched team, in harness, 15½ hands and over—1 R H Siddall, Denfield; 2 Lewis Wigle, Leamington. Matched team, in harness, under 15½ hands—1 W H Weir, St. Williams; 2 Pt Odell, Belmont; 3 John Watson. Single driver, in harness, 15½ hands and over—1 Geo McCormick; 2 Ed McLurg, Falkirk; 3 Ed McLurg. Single driver, in harness, under 15½ hands—1 Wesley Nott, Clinton; 2 Ed McLurg; 3 Jas McKee, Denfield. Mare, any age—1 H McKewen; 2 Wesley Nott; 3 Ed McLurg.

**SADDLE HORSES AND HUNTERS.**—Saddle horse, gelding or mare—1 and 3 Adam Beck, London; 2 Miss Clara O'Neill, London. Filly or gelding, three years old, not Thoroughbred, but sired by Thoroughbred horse—1 Thomas McComb, Masonville; 2 Ed Edmonds, London. West; 3 H E O'Neill, London. Filly or gelding, two years old, not Thoroughbred, but sired by Thoroughbred horse—1 A St Clair, Aylmer. Hunter (heavy weight), carrying 180 pounds, to give exhibition over jumps—1, 2 and 3 A Beck. Hunter (light weight), carrying 150 pounds, to give exhibition over jumps—1, 2 and 3 A Beck.  
**HIGH-STEPPERS.**—Gelding or mare, in harness, fifteen hands or over—1 A Beck; 2 A St Clair; 3 W Dale & Sons.  
**AGRICULTURAL AND GENERAL PURPOSE.**—Team, in harness, 1,300 pounds and over—1 Wm Ewing, Petrolia; 2 D McMillan, Tharrosford. Team, in harness, under 1,300 pounds—1 W Fleming, London. Brood mare, with foal by side—1 Wm Dale & Son; 2 Wm Fleming; 3 Norman Fish, Arva. Gelding or filly, three years old—1 Jas Henderson, Belton. Gelding or filly, two years old—1 Ed McLurg; 2 Chris Dale; 3 D McMillan. Foal of 1889—1 Wm Dale & Son; 2 Geo Dale; 3 Wm Fleming.  
**PONIES.**—Pony, in harness, 13½ hands and under—1 C H Finch, London; 2 Bert Thompson, London.

(Continued on page 568.)

**EUROPEAN ADVERTISEMENTS.**

**Hampshire Down Sheep.**

**SPLENDID MUTTON. GOOD WOOL. GREAT WEIGHT.**  
 This highly valuable English breed of sheep is unrivalled in its **Rapid and Wonderfully Early Maturity,** possessing, too, a hardness of constitution adapted to all climates, whilst in the quality of **MUTTON AND LARGE PROPORTION OF LEAN MEAT IT IS UNSURPASSED.**  
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**HENRY DUDDING, RIBY GROVE, GREAT GRIMSBY, LINCONSHIRE,** has always for inspection and sale from the largest and most noted flock of pure Lincoln Longwool Sheep in the country, both Rams and Ewes of all ages. Representative specimens from this flock have secured for many years past at the Royal Shows champion and other prizes; whilst they have also at both the Paris Exhibitions, Vienna, Amsterdam, Chicago, Palermo, secured champion awards, and at all the leading shows in Australia, New Zealand, Canada, and the States, Riby sheep and their descendants have secured the highest honors. Wool is a leading feature in the flock, its quality being amply testified by the fact that wherever exhibited it has each time secured the premier prize including that at Windsor in 1889. The record of its careful breeding and consistent success is world-wide, and the present members of the flock are fully equal to any that have preceded them during the past 130 years in which it has been in existence, descending from father to son without dispersion. The flock holds the record for the highest price ram of 1898 (i.e., 1,000 gs.), and for the highest recorded average for an auction sale of fifty-two rams (i.e., £26 19s.) at the annual sale in July, 1886. A grand selection of yearling and other sheep on offer, sired by the most carefully selected sires obtainable, in which are contained all the best strains of the present day. Telegrams: "Dudding, Keadby."

**The Danesfield Pedigree Stock**

**MR. COLIN CAMPBELL,** ESTATE OFFICE, DANESFIELD, MARLOW, BUCKS, who will be happy to make arrangements for inspection, or to quote prices.

**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 30 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: Bilingboro, G. N. R.

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

**Pedigree Live Stock Agent, Exporter and Shipper.** All kinds of registered stock personally selected and exported on commission; quotations given, and all enquiries answered.  
 Address: **FITZALAN HOUSE, ARUNDEL ST., STRAND, LONDON W. W.**  
 Cables—Sheepote, London.

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

**BRITISH STOCK** selected and shipped to all parts of the world. Write for prices to **ALFRED MANSELL & CO.,** Secretaries of the Shropshire Sheep-Breeders' Association, Shrewsbury, England.

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IMPORTERS AND BREEDERS OF **Registered Shropshires.** SHROPSHIRE of the best English blood. Fashionably bred and true to type. Only the best specimens of the breed kept. Selection in breeding our stronghold.  
**50** ram and ewe lambs for sale, also to sell. A limited number of yearling ewes.

**SHROPSHIRE RAM LAMBS**  
 Out of ewes from imported foundation, and sired by (imp.) Flashlight. Extra well covered and good size.  
**W. S. CARPENTER, SIMCOE, ONT.**

**THE FAIRVIEW  
SHROPSHIRE**

Their greatest victory won at Toronto. Home-breds beat English Royal winners three times. Won more firsts than any other exhibitor. Who wants a choice Ram or Ram Lamb? Or extra good Ewes, bred to winning rams? Write or come to Fairview Farm.

**JOHN GAMPBELL**  
WOODVILLE, ONT.

**WHAT I OFFER NOW IS:**  
**15 SHROPSHIRE EWES,**  
To be delivered after service by imp. rams.  
**30 Young YORKSHIRE PIGS**  
**5 JERSEY FEMALES,**  
**1 SHORTHORN BULL**  
18 months old.

**RICHARD GIBSON,**  
DELAWARE, ONT.

**Shropshires, Tamworths,**  
**American Bronze Turkeys.**

We keep on hand a full line of each to supply our numerous customers. Correspondence solicited.  
**W. S. Hawkshaw & Son, Glanworth, Ont.**

**SHROPSHIRE FOR SALE.**  
Ram and Ewe Lambs.  
**Charles H. Rowe, Orillia, Ont.**  
P. O. Box 192.

**OAK LODGE HERD**  
**Large Yorkshires**

The oldest established and largest herd in America. This herd has a uniform and fixed type, acknowledged by the best judges to be what the market demands. It has a record of its own in the showings, winning more prizes at the largest Canadian and American shows than all other herds combined. Parties wishing high-class stock should examine this celebrated herd at the leading shows. All stock fully guaranteed.

**J. E. BRETHOUR,**  
**BEANT COUNTY, ONT. BURFORD, ONT.**

**DURING THE NEXT FEW WEEKS WE WILL DISPOSE OF**

**Yorkshire Boars and Sows**

WEIGHING 100 POUNDS AT \$10 EACH; OTHERS (ALL AGES) COMPARATIVELY CHEAP.  
Twelve shearing Shropshire Rams... \$15 each.  
Ten Shropshire Ram Lambs... 10 "  
Barred Rock Cockerels... 1 "  
One Jersey Cow 6 years old... 1 "  
Yearling Heifer and Heifer Calf... \$100.  
All stock eligible for registration and placed f. o. b. cars here.

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**PINE GROVE FARM HERD OF LARGE YORKSHIRES.**

Imported and Canadian-bred, from the Hasket family, which has taken more prizes at the leading fairs in Canada and the World's Fair at Chicago than any other family of Yorkshires in America. Young boars and sows fit for breeding for sale. Correspondence solicited, which will receive prompt attention.  
**JOSEPH FEATHERSTON, Streetsville, Ont.**

**Yorkshires, Holsteins, Cotswolds**

Boars and sows not akin for sale, of the bacon type. Thoroughbred and high-grade Holsteins, also a three-sheared ram for sale.

**R. HONEY,**  
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**Large Yorkshires.**

Have a very fine lot to select from, of good length, and easy feeders. Pigs farrowed from March to September. Can furnish pairs not akin. Stock shipped to order. Satisfaction guaranteed.

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**Yorkshires and Berkshires**

BOARS and sows, both breeds, all ages. Sows safe in pig. Pairs supplied not akin. All of the best breeding and most approved type. Write for prices.  
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Precious Corners, Ont.

**WESTERN FAIR PRIZE LIST.  
CATTLE.**

**SHORTHORNS.**—Bull, three years old and upwards—1 T E Robson, Iderton; 2 J Fried & Son, Roseville; 3 H Smith, Hay. Bull, two years old—1 A W Smith, Maple Lodge; 2 J & W B Watt, Salem; 3 T E Robson. Bull, one year old—1 Jas Leask, Greenbank; 2 T E Robson. Bull calf, under one year—1 J & W B Watt; 2 H Smith; 3 T E Robson; 4 T Douglas & Son, Strathroy. Cow, four years old and upwards—1 T E Robson; 2 J & W B Watt. Cow, three years old—1 and 2 J & W B Watt; 3 T E Robson. Heifer, two years old—1 T E Robson; 2 and 3 J & W B Watt. Heifer, one year old—1 T E Robson; 2 H Smith; 3 J & W B Watt. Heifer calf, under one year—1 T E Robson; 2 T Douglas & Son; 3 J & W B Watt; 4 H Smith. Bull, any age—1 T E Robson; 2 H Smith; 3 J & W B Watt. Female, any age—1 and 3 J & W B Watt; 2 T E Robson. Herd of one bull and four females, over one year old—1 T E Robson; 2 J & W B Watt. Herd of one bull and four females, under one year old—1 T E Robson; 2 J & W B Watt. Herd of four calves, under one year, bred by exhibitor—1 J & W B Watt; 2 H Smith. Herd of one bull and four of his get, under four years old—1 H Smith.

**JERSEYS.**—Bull, three years old and upwards—1 R B Smith, Arkona; 2 John Kenward, Woodstock; 3 P H Lawson, Nilestone. Bull, two years old—1 Jos H Bull & Son; 2 B H Bull & Son; 3 John Trot, London. Bull, one year old—1 R B Smith; 2 and 3 B H Bull & Son. Bull calf, under one year—1 Everett Fleming, Toronto; 2 and 3 B H Bull & Son. Cow, four years old and upwards—1 and 3 B H Bull & Son; 2 R B Smith. Cow, three years old—1 John O'Brien, London West; 2 B H Bull & Son; 3 P H Lawson. Heifer, two years old—1 B H Bull & Son; 2 John O'Brien; 3 R B Smith. Heifer, one year old—1, 2 and 3 B H Bull & Son. Heifer calf, under one year—1 Jos H Smith; 2 and 3 E Fleming; 3 J H Smith. Female, any age—1 B H Bull & Son; 2 John O'Brien. Herd of one bull and four females, over one year—1 B H Bull & Son; 2 J O'Brien; 3 P H Lawson. Herd of four calves, under one year—1 and 2 B H Bull & Son; 3 P H Lawson.

**AYRSHIRES.**—Bull, three years old and upwards—1 Wm Wylie, Elwick; 2 N Dymont, Clappison; 3 E Marshall & Son, Gladstone. Bull, two years old—1 W Stewart & Son, Menie; 2 Geo Hill, Delaware; 3 W Wylie. Bull, one year old—1 Geo Hill; 2 N Dymont. Bull calf, under one year—1 W Wylie; 2 and 3 W Stewart & Son. Cow, four years old and upwards—1 W Stewart & Son; 2 W Wylie; 3 N Dymont. Cow, three years old—1 W Stewart & Son; 2 W Wylie. Heifer, two years old—1 and 2 W Wylie; 3 W Stewart & Son. Heifer, one year old—1 W Wylie; 2 and 3 W Stewart & Son. Heifer calf, under one year—1 N Dymont; 2 W Wylie; 3 W Stewart & Son. Bull, any age—1 W Wylie; 2 N Dymont; 3 W Stewart & Son. Female, any age—1 and 3 W Stewart & Son; 2 W Wylie. Herd, one bull and four females, over one year—1 W Wylie; 2 W Stewart & Son; 3 N Dymont. Herd, 4 calves, under one year old—1 W Stewart & Son; 2 W Wylie; 3 N Dymont.

**GUERNSEYS.**—Bull, three years old and upwards—1 Wm Butler & Son, Dereham; 2 Wm Prouse, Mt Elgin. Bull, two years old—1 Wm Butler & Son. Bull, one year old—1 Wm Butler & Son. Bull calf, under one year—1 and 2 Wm Butler & Son. Cow, 4 years old and upwards—1 and 2 Wm Butler & Son; 3 Wm Prouse. Cow, three years old—1 Wm Butler & Son. Heifer, two years old—1 Wm Butler & Son; 2 Wm Prouse. Heifer calf, under one year—1 and 2 Wm Butler & Son. Bull, any age—1 Wm Butler & Son. Female, any age—1 Wm Butler & Son. Herd of 1 bull and 4 females, over one year—1 Wm Butler & Son. Herd, 4 calves, under one year—1 Wm Butler & Son.

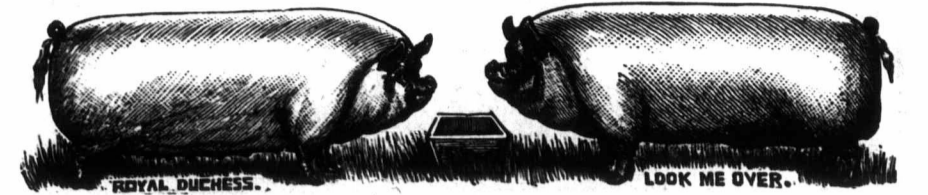
**HOLSTEINS.**—Bull, three years old and upwards—1 G W Clemons, St George; 2 Jas Rennie, Norwich. Bull, two years old—1 S R Beck, Cayuga. Bull, one year old—1 G W Clemons; 2 and 3 S R Beck. Cow, four years old and upwards—1 Jas Rennie; 2 S R Beck; 3 G W Clemons. Cow, three years old—1 S R Beck; 2 G W Clemons; 3 Jas Rennie. Heifer, two years old—1 and 3 Jas Rennie; 2 G W Clemons. Heifer, one year old—1 Jas Rennie; 2 and 3 G W Clemons. Heifer calf, under one year—1 Jas Rennie; 2 and 3 S R Beck. Bull, any age—1 G W Clemons; 2 and 3 Jas Rennie. Female, any age—1 and 3 Jas Rennie; 2 S R Beck. Herd, 1 bull and 4 females, over one year—1 Jas Rennie. Herd, 4 calves, under one year—1 S R Beck.

**HEREFORDS.**—Bull, three years old and upwards—1 W H Hunter, The Maples; 2 O'Neil Bros., Southgate; 3 F W Stone Stock Co, Guelph. Bull, two years old—1 H D Smith, Compton; 2 O'Neil Bros. Bull, one year old—1 and 2 F W Stone Stock Co; 2 H D Smith. Bull calf, under one year—1 and 2 O'Neil Bros; 3 W H Hunter. Cow, four years old and upwards—1 H D Smith; 2 W H Hunter; 3 F W Stone Stock Co. Cow, three years old—1 H D Smith; 2 W H Hunter; 3 F W Stone Stock Co. Heifer, two years old—1 and 2 H D Smith; 3 F W Stone Stock Co. Heifer, one year old—1 F W Stone Stock Co; 2 W H Hunter; 3 H D Smith. Heifer calf, under one year—1 and 2 F W Stone Stock Co; 3 W H Hunter. Bull, any age—1 H D Smith; 2 W H Hunter; 3 O'Neil Bros. Female, any age—1 and 2 H D Smith; 3 W H Hunter. Herd, 1 bull and 4 females, over one year—1 H D Smith; 2 W H Hunter; 3 F W Stone Stock Co. Herd, 4 calves, under one year—1 F W Stone Stock Co; 2 W H Hunter; 3 H D Smith.

**POLLED ANGUS.**—Bull, three years old and upwards—1 Hiram Jones, White Oak. Bull, two years old—1 W Hall, Washington. Bull, one year old—1 and 2 W Hall. Bull calf, under one year—1 and 2 Hiram Jones. Cow, four years old and upwards—1, 2 and 3 W Hall. Heifer, two years old—1 and 3 W Hall; 2 Hiram Jones. Heifer, one year old—1 W Hall. Heifer calf, under one year—1, 2 and 3 W Hall. Bull, any age—1 W Hall; 2 Hiram Jones. Female, any age—1, 2 and 3 W Hall. Herd, 1 bull and 4 females, over one year—1 W Hall. Herd, 4 calves, under one year—1 W Hall.

**GALLOWAYS.**—Bull, three years old and upwards—1 A M & Robt Shaw, Brantford; 2 D McCrae, Guelph. Bull, two years old—1 T L Jones & Sons, Burford. Bull, one year old—1 and 2 D McCrae. Bull calf, under one year—1 and 2 D McCrae; 3 A M & Robt Shaw. Cow,

**Summer Hill Herd**



The largest herd of imported and Canadian-bred YORKSHIRES of the large English type in Canada. Twenty-five matured imported sows, among them being several Royal winners. Six imported sows sired by Ruddington Lad, Royal winner and gold medal boar for the best pig of the white breed. Have three imported stock boars bred by such noted breeders as Sanders Spencer and Philo L. Mills. Twenty-five April pigs (imported) of both sexes for sale. Also a number imported in dam. Two hundred Canadian-bred pigs of all ages for sale. Write for prices. Personal inspection preferred. I prepay express charges, and guarantee stock as described.  
**D. C. FLATT, MILLGROVE, ONT.**

**SNELGROVE  
BERKSHIRES.**

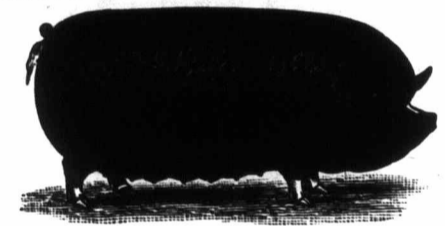
We intend to exhibit our Berkshires at the coming Toronto Industrial Exhibition. Our exhibit will include some really good young boars and sows from 6 to 12 months old that are just the sort that are now wanted, and are for sale. Can supply young pigs from 6 to 10 weeks old, of the most approved type and breeding.

**SNELL & LYONS,**  
SNEELGROVE, ONT.

I am offering for the month of October a grand lot of Imp. YORKSHIRE BOARS ready for service. Sows ready to breed, and fall pigs not akin.

Also LARGE ENGLISH BERKSHIRES and five choice SHORTHORN BULLS of the best breeding.  
**H. J. DAVIS, BOX 290, WOODSTOCK, ONT.**

**LARGE ENGLISH BERKSHIRES.**



Herd headed by four first prize stock boars of large size, strong bone and fine quality. Young Boars and Sows, all ages, for sale. Orders booked for spring pigs.  
**GEORGE GREEN, FAIRVIEW P.O., ONT.**  
on Telegraph and Station: Stratford, G. T. R.

**Large English Berkshires.**

HERD headed by two imported boars—Nora B's Duke and Royal Star III., half-brother to Columbia's Duke, which recently sold for \$1,200. Choice pigs, all ages. Write for prices.  
**H. BENNETT & SON,**  
St. Williams, Ont.

**FOR SALE: Large English Berkshire HOGS,** 2 sows extra fine, in 200. Also 20 four-months-old pigs at \$5. Pure-bred chickens—Rocks, Minorcas, Leghorns—cheap. Lock Box A.  
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**Springridge Poland-Chinas**

Now offering the 2-year-old sire, Blackmoore, and a few of his young females, and booking orders for young stock from the royally-bred Goldbug, lately added to the herd.  
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**OXFORD HERD OF POLAND-CHINAS**

The home winners of the imported boars, Conrad's Model and Klondike, assisted by Bacon Boy and Lennox. Has won 64 out of a possible 69 first prizes. Stock of all ages for sale. Write for prices or come and see.  
**W. & H. JONES,**  
OXFORD CO. MT. ELGIN, ONT.

**DUROC - JERSEY SWINE**

We have a fine lot of all ages and either sex. Address,  
**TAPE BROS., Ridgetown, Ont.**

**REGISTERED CHESTER WHITE PIGS.**

Eight weeks old, at \$5.00 each.  
**REGISTERED JERSEY BULL CALVES**  
\$20.00 each.  
**F. BIRDSALL & SON, BIRDSALL, ONT.**

**OHIO IMPROVED CHESTER WHITES**

From imported foundation. Write for what you want.  
**T. E. BOWMAN, Berlin, Ont.**

**AVON HERD OF CHESTER WHITES**

Carries the blood of the most prolific, early-maturing families. I have bred to a specific type since its foundation, and to-day have animals in my breeding pens that should have been shown this fall. Young stock always on hand. Write me to-day.

**HENRY HERRON, AVON, ONT.**

**BORNHOLM HERD IMP. CHESTER WHITES.**

Stock for sale at all times, all ages. Nothing but first-class stock shipped. Inspection invited. Correspondence answered.  
**Daniel DeCourcy, Bornholm P. O., Ont.**

**TAMWORTH PIGS**

Of both sexes, from two to nine months old. Bred from Nimrod No. 174 (imported) and Glenside Kail, and from such dams as Coldstream Garnet and Sprucedale Queen. Prizewinners. For prices write  
**W. C. SHEARER, BRIGHT, ONT.**

**Goldspring Herd of Tamworths**

Young boars fit for service and sows ready to breed, out of the sows that won the herd prize at Toronto. Prices reasonable.  
**NORMAN M. BLAIN,**  
Goldspring Farm, St. George, Ont.

**Spring Brook Herd of Tamworths.**

Great opportunity for choice stock. A number of choice young pigs sired by British King, first prize Toronto Industrial, 1899, and also by Royal winner, Whitacre Crystal. Pairs and trios not akin. Now is your time. Send for catalogue. Stock of all ages for sale.  
**A. C. HALLMAN, NEW DUNDEE, ONT.**

**Chatham HERD OF Tamworths**

2 two-year-old boars, 3 six-months-old boars, 10 six-months-old sows, 9 four-months-old boars, 11 four-months-old sows, 7 three-months-old boars, 6 three-months-old sows. Four litters fit to wean October 1. Orders booked. Write for prices.  
**J. H. SIMONTON,**  
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**TAMWORTHS AND COTSWOLDS.**

I have a few very choice things to offer this season, fit to show, by Spruce Grove Model and Dorchester Hero, both Toronto winners, and out of my sweepstakes sow. Also a choice bunch of splendid, strong, well-covered Cotswold Lambs.  
**R. O. MORROW, Hilton, Ont.**

**TAMWORTHS.**

My herd won more 1st prizes than all others combined at the large fairs in '98. I have several splendid young boars and sows ready for shipment, and can book orders for fall stock from my show sows. See me at Toronto Fair.

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**CHOICE SPRING PIGS**

Of choice breeding, in pairs not akin. Prices reasonable to reduce stock.  
**JOHN FULTON,**  
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**Are You**

Going to invest some money in TAMWORTH HOGS at present. If so, kindly write at once. Also mention my new Catalogue.


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**TAMWORTHS, BERKSHIRES, BRONZE TURKEY CHICKS.**

Young sows and boars, two months old, at \$6 each, registered; descended from best herds in Canada.  
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PLEASE MENTION FARMER'S ADVOCATE.





**PERSIATIC SHEEP DIP AND CATTLE WASH.**

The only non-poisonous liquid dip for sheep. It kills Ticks, cures Scab, heals Wounds, and greatly improves the Quality of Wool.

**FOR HORSES, CATTLE, AND PIGS.**

Removes all Insects, and thoroughly cleanses the Skin. The leading stockmen claim it is the cheapest and most effective remedy on the market. Sold by all druggists.

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LIMITED.  
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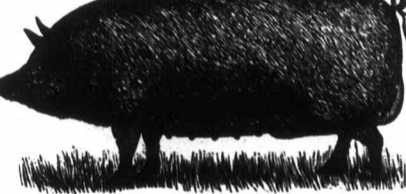
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**Canada Business College**

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**Nearly 40 Years of Success.**

This College offers young men and women the very highest advantages in a good Business or Shorthand Education. Send for handsome prospectus to

**R. E. GALLAGHER, Principal,**  
Hamilton, Ontario.



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.

**H. GEORGE & SONS, Crampton P.O., Ont.**

**Bargain Days in Tamworths and Yorkshires**

For next 30 days we are going to sell our surplus stock of Tamworths and Yorkshires at very low prices to make room for young litters. They include half a dozen Tamworth Boars from 5 to 12 months old, most all prizewinners. Some grand sows. Also half a dozen Yorkshire Boars and Sows; all of excellent quality and breeding. Write us for prices and particulars at once. **COLWILL BROS., Newcastle, Ont.**

**TAMWORTHS**  
Of the Most Approved Type.

We have a dozen vigorous sows to farrow this spring to O. A. C. 419, and can book orders for right good stock. Our stock was not only represented at the Illinois State Fair, but won the best prizes offered in '98. We also have a choice imported Berkshire sow three years old, and a twenty-months boar for sale.

**P. R. HOOVER & SONS,**  
GREEN RIVER, ONT.

**CHOICE TAMWORTH & YORKSHIRE SWINE**

Of both sexes. Also five pair Toulouse geese; six pair of good Rouen and Pekin ducks; one pair Golden B. Poland (McNeil's).

**John Hord & Son, Parkhill, Ont.**

**TAMWORTH BOARS AND SOWS**

From Elliott, Bell and Nourse foundation. A choice bunch of Shropshire Ram Lambs for fall delivery; extra well covered; imported foundation.

**CHAS. LAWRENCE, Collingwood, Ont.**

**OAK HILL HERD OF TAMWORTHS.** We are the most select lot of boars and sows we ever offered, got by Sandy 3rd 639, winner of 2nd prize at Toronto, 1898, and out of first-class sows. Prices reasonable.

**R. J. & A. LAURIE, WOLVERTON, ONT.**

four years old and upwards—1 and 2 D McCrae; 3 A M & Robt Shaw. Cow, three years old—1 and 3 D McCrae; 2 A M & Robt Shaw. Heifer, two years old—1 D McCrae; 2 A M & Robt Shaw; 3 T L Jones & Son. Heifer, one year old—1 A M & Robt Shaw; 2 and 3 D McCrae. Heifer calf, under one year—1 and 3 D McCrae; 2 A M & Robt Shaw. Bull, any age—1 T L Jones & Son; 2 A M & Robt Shaw; 3 D McCrae. Female, any age—1 and 2 D McCrae; 3 A M & Robt Shaw. Herd, 1 bull and 4 females, over one year—1 D McCrae; 2 A M & Robt Shaw. Herd 4 calves, under one year—1 D McCrae.

**FAT CATTLE, ANY BREED.**—Ox or steer, two years old and under three—1 H Smith, Hay; 2 W Hall, Washington; 3 J Fried & Son, Roseville. Ox or steer, one year old and under two—1 Jas Leask, Greenbank; 2 and 3 J Fried & Son. Cow or heifer, four years old or under—1 T E Robson, Iderton; 2 and 3 J Fried & Son. Steer calf, under one year—1 Jas Leask; 2 N Dymont, Clappison's.

**GRADE CATTLE.**—Cow, three years old and upwards—1, 2 and 3 Jas Leask, Greenbank. Heifer, two years old—1 and 3 Jas Leask; 2 J Fried & Son. Heifer, one year old—1 and 2 Jas Leask. Heifer calf, under one year—1 J Fried & Son; 2 N Dymont; 3 Jas Leask. Female, any age—1 Jas Leask.

**SHEEP.**

**SHROPSHIRE.**—Ram, two shears and over—1 G H Davidson, Millbrook, N Y; 2 J Campbell, Woodville; 3 Follyfarm, Abington, Pa. Ram, shearing—1 Follyfarm, 2 D G Hamner & Son, Mt Vernon; 3 Jno Campbell. Ram lamb—1 Jno Campbell, 2 and 3 D G Hamner & Son. Two ewes, two shears and over—1 Jno Campbell, 2 D G Hamner & Son, 3 Jno Campbell. Two ewes, shearing—1 Follyfarm, 2 D G Hamner & Son, 3 G H Davidson. Two ewes, lambs—1 and 3 D G Hamner & Son, 2 Follyfarm. Pen of five shearlings—1 Follyfarm. Pen of five lambs, bred by exhibitor—1 Jno Campbell. Ram, any age—1 G H Davidson. Ewe, any age—1 Follyfarm. Pen, 1 ram, 4 ewes and 2 ewe lambs—1 Follyfarm. Best flock of registered Shropshires, one year old or over, 1 ram and 3 ewes—1 Jno Campbell. Best flock of 4 registered Shropshire lambs, 1 ram lamb and 3 ewe lambs—1 Jno Campbell.

**OXFORD DOWNS.**—Ram, two shears and over—1 Smith Evans, Gourock; 2 R J Hine, Dutton; 3 J H Jull, Mt Vernon. Ram, shearing—1 R J Hine, 3 Smith Evans, 2 R J Hine. Ram lamb—1 R J Hine, 2 J H Jull, 3 D G Hamner. Two ewes, two shears and over—1 J H Jull, 2 Smith Evans, 3 R J Hine. Two ewes, shearing—1 and 3 Smith Evans, 2 R J Hine. Two ewes, lambs—1 R J Hine, 2 J H Jull, 3 Smith Evans. Pen of five shearlings—1 Smith Evans. Pen of five lambs, bred by exhibitor—1 J H Jull. Ram, any age—1 R J Hine. Ewe, any age—1 Smith Evans. Pen, 1 ram, 4 ewes and 2 ewe lambs—1 R J Hine.

**SOUTH DOWNS.**—Ram, two shears and over—1, 2 and 3 Jno Jackson & Son, Abington. Ram, shearing—1 and 3 Jno Jackson & Son; 2 W E & G L Telfer, Paris. Ram lamb—1 and 3 Jno Jackson & Son; 3 W E & G L Telfer. Two ewes, two shears and over—1 and 3 Jno Jackson & Son; 2 W E & G L Telfer. Two ewes, shearing—1 W E & G L Telfer; 2 and 3 Jno Jackson & Son. Two ewes, lambs—1 and 3 Jno Jackson & Son; 2 W E & G L Telfer. Pen of 5 shearlings—1 Jno Jackson & Son. Pen of 5 lambs, bred by exhibitor—1 Jno Jackson & Son. Ram, any age—1 Jno Jackson & Son. Ewe, any age—1 Jno Jackson & Son. Pen, 1 ram, 4 ewes, and 2 ewe lambs—1 Jno Jackson & Son.

**DORSET HORNED.**—Ram, 2 shears and over—1 and 2 R Stuyvesant, Allamuchy; 3 M N Empey, Napanee. Ram, shearing—1 and 3 R Stuyvesant; 2 M N Empey. Ram lamb—1 and 3 R Stuyvesant; 2 R H Harding, Thorndale. Two ewes, two shears and over—1 R Stuyvesant; 2 M N Empey; 3 R H Harding. Two ewes, shearing—1 R Stuyvesant; 2 R H Harding. Two ewes, lambs—1 and 3 R Stuyvesant; 2 M N Empey. Pen of 5 shearlings—1 R H Harding. Pen of 5 lambs—1 M N Empey. Ram, any age—1 R Stuyvesant. Ewe, any age—1 R Stuyvesant. Pen, 1 ram, 4 ewes, and 2 ewe lambs—1 R Stuyvesant.

**LEICESTERS.**—Ram, two shears and over—1 and 3 J M Gardhouse, Highfield; 2 Jno Kelly, Shakespeare. Ram, shearing—1 A W Smith, Maple Lodge; 2 Jno Kelly; 3 J M Gardhouse; 3 Ram lamb—1 J M Gardhouse; 2 A W Smith; 3 Whitelaw Bros. Two ewes, two shears and over—1 and 2 A W Smith; 3 J M Gardhouse. Two ewes, shearing—1 J M Gardhouse; 2 A W Smith; 3 Whitelaw Bros. Two ewes, lambs—1 and 3 Jno Kelly; 2 Whitelaw Bros. Pen of 5 shearlings—1 A W Smith. Pen of 5 lambs—1 Jno Kelly. Ram, any age—1 J M Gardhouse. Ewe, any age—1 A W Smith. Pen, 1 ram, 4 ewes, and 2 ewe lambs—1 A W Smith.

**LINCOLNS.**—Ram, two shears and over—1 and 3 J H & E Patrick, Iderton; 2 Gibson & Walker, Iderton. Ram, shearing—1 Gibson & Walker; 2 and 3 J H & E Patrick. Ram lamb—1 and 3 J H & E Patrick; 2 Gibson & Walker. Two ewes, two shears and over—1 J H & E Patrick; 2 and 3 Gibson & Walker. Two ewes, shearing—1 and 3 Gibson & Walker; 2 J H & E Patrick. Two ewes, lambs—1 and 2 J H & E Patrick; 3 Gibson & Walker. Pen of 5 shearlings—1 Gibson & Walker. Ram, bred by exhibitor—1 Gibson & Walker. Ram, any age—1 J H & E Patrick. Ewe, any age—1 J H & E Patrick. Pen, 1 ram, 4 ewes, and 2 ewe lambs—1 J H & E Patrick.

**HAMPSHIRE OR SUFFOLKS.**—Flock of 1 ram and 4 ewes—1 Dr Fasken, Paris; 2 John Kelly, Shakespeare.

**FAT SHEEP.**—Two wethers, any age—1 W H Beattie, Wilton Grove; 2 Jno Jackson & Son, Abington; 3 R Gibson, Delaware. Two ewes, any age—1 John Campbell, Woodville; 2 D G Hamner & Son, Mt Vernon; 3 G Alin, Oriol. Six sheep for shipping (distinct from other entries)—1 D G Hamner & Son; 2 W E & G L Telfer, Paris; 3 W E Wright, Glenworth.

**COTSWOLDS.**—Ram, two shears and over—1 G Allen, Oriol; 2 and 3 A J Watson, Castleberg. Ram, shearing—1 A J Watson; 2 and 3 G Allen. Ram lamb—1 A J Watson; 2 and 3 G Allen. Two ewes, two shears and over—1 and 2 A J Watson; 3 G Allen. Two ewes, shearing—1 and 2 G Allen; 3 A J Watson. Two ewes, lambs—1 G Allen; 2 and 3 A J Watson. Pen of 5 shearlings—1 G Allen. Pen of 5 lambs—1 G Allen.

(Continued on page 570.)

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In illustration of the foregoing, we would say yesterday we had a R. P. Rock pullet lay her first egg. She was hatched March 30th, 1899, making her four months and nineteen days old.

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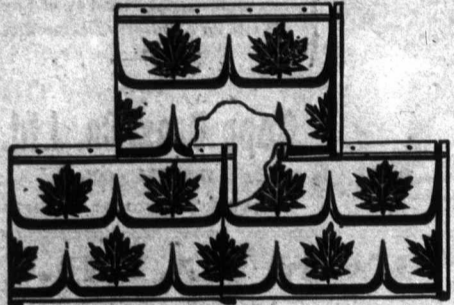
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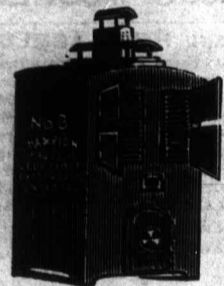
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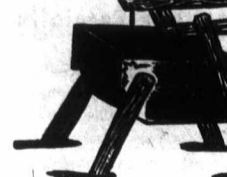
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**YORKSHIRES.**-Boar, two years and over-1 J E Brethour, Burford. Boar, one year and under two-1 J E Brethour; 2 Jos Featherston & Sons, Streetsville. Boar, six months and under one year-1 and 2 J E Brethour, 3 Jos Featherston & Sons. Boar, under six months-1 Jos Featherston & Sons; 2 H J Davis, Woodstock; 3 J E Brethour. Sow, two years and over-1 and 2 J E Brethour. Sow, one year and under two-1 and 2 J E Brethour, 2 H J Davis. Sow, six months and under one year-1 and 2 J E Brethour, 3 H J Davis. Sow, under six months-1 T A Cox, Brantford; 2 and 3 J E Brethour. Boar and four of his get, any age-1 J E Brethour. Sow and 3 of her produce, any age-1 J E Brethour.

**CHESTER WHITES.**-Boar, two years and over-1 and 2 Wm Butler & Son, Dereham Centre. Boar, one year and under two-1 and 2 Wm Butler & Son. Boar, six months and under one year-1 and 2 Wm Butler & Son, 3 W E Wright, Glanworth. Boar, under six months-1 and 2 Wm Butler & Son. Sow, two years and over-1 and 2 Wm Butler & Son. Sow, one year and under two-1 and 2 Wm Butler & Son. Sow, six months and under one year-1 and 2 Wm Butler & Son. Sow, under six months-1 and 2 Wm Butler & Son, 2 W W Wright, 3 E Herron, Avon. Boar and 4 of his get, any age-1 Wm Butler & Son. Sow and 3 of her produce, any age-1 Wm Butler & Son.

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**BERKSHIRES.**-Boar, two years and over-1, 2 and 3-Geo Green, Fairview. Boar, one year and under two-1 Geo Green; 2 T A Cox, Brantford; 3 E J Davis, Woodstock. Boar, six months and under one year-1 T A Cox; 2 Geo Green; 3 Jas McEwen, Kertoh. Boar, under six months-1 Geo Green; 2 and 3 T A Cox. Sow, two years and over-1 and 3 T A Cox; 2 Geo Green. Sow, one year and under two-1 and 3 Geo Green; 2 T A Cox. Sow, six months and under one year-1 and 3 T A Cox; 2 Geo Green. Sow, under six months-1 and 3 T A Cox; 2 Geo Green. Boar and 4 of his get, any age-1 Geo Green. Sow and 3 of her produce, any age-1 Geo Green.

**TAMWORTHS.**-Boar, two years and over-1 J C Nichol, Hubrey; 2 N M Blain, St George; 3 J P Newell, Cramton. Boar, one year and under two-1 Jno Hord & Son, Parkhill; 2 A Elliott & Son, Galt; 3 J C Nichol. Boar, six months and under one year-1 A Elliott & Son; 2 J C Nichol; 3 N M Blain. Boar, under six months-1 N M Blain; 2 J C Nichol; 3 J R Newell. Sow, two years and over-1 J C Nichol; 2 N M Blain; 3 J R Newell. Sow, one year and under two-1 J C Nichol; 2 N M Blain; 3 R Reid & Co, Hintonburg. Sow, six months and under one year-1 N M Blain; 2 J C Nichol; 3 Jno Hord & Son. Sow, under six months-1 J C Nichol; 2 J P Newell; 3 W S Hawkshaw, Glanworth. Boar and 4 of his get, any age-1 J C Nichol. Sow and 3 of her produce, any age-1 J C Nichol.

**DUROC-JERSEYS.**-Boar, two years and over-1 and 3 Tape Bros, Ridgetown; 2 Wm Butler & Son, Dereham Centre. Boar, one year and under two-1 Tape Bros; 2 Wm Butler & Son. Boar, six months and under one year-1 and 3 Tape Bros; 2 Wm Butler & Son. Boar, under six months-1 Tape Bros; 2 Wm Butler & Son. Sow, two years and over-1 and 2 Tape Bros; 3 Wm Butler & Son. Sow, one year and under two-1 and 2 Tape Bros. Sow, six months and under one year-1, 2, and 3 Tape Bros. Boar and 4 of his get, any age-1 Tape Bros. Sow and 3 of her produce, any age-1 Tape Bros.

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**GOSSIP.**

A writer in a leading U. S. stock paper, the Jersey Bulletin, advised the manager of the New York State Fair to steer clear in future of the dates selected by the Toronto Industrial.

There is much talk of the "dethroning" of Star Pointer by Joe Patchen in the race on the Empire City track. The king of pacers will be dethroned when another horse steps the distance under his record. Up to the present time no other one has done the two-minute mark, and until that is done it is nonsense to talk about dethroning the Pointer horse. He beat Patchen in one heat, and was fairly enough defeated in turn in the next, as he has been before by the big black horse, and in the third heat Pointer went badly lame and lost the race.

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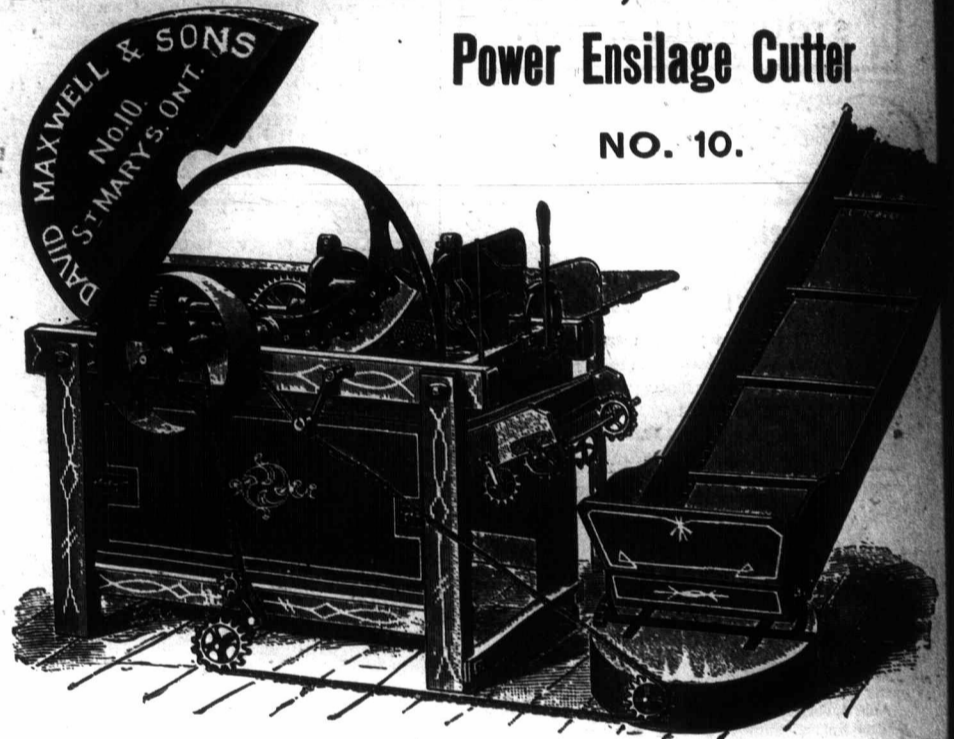
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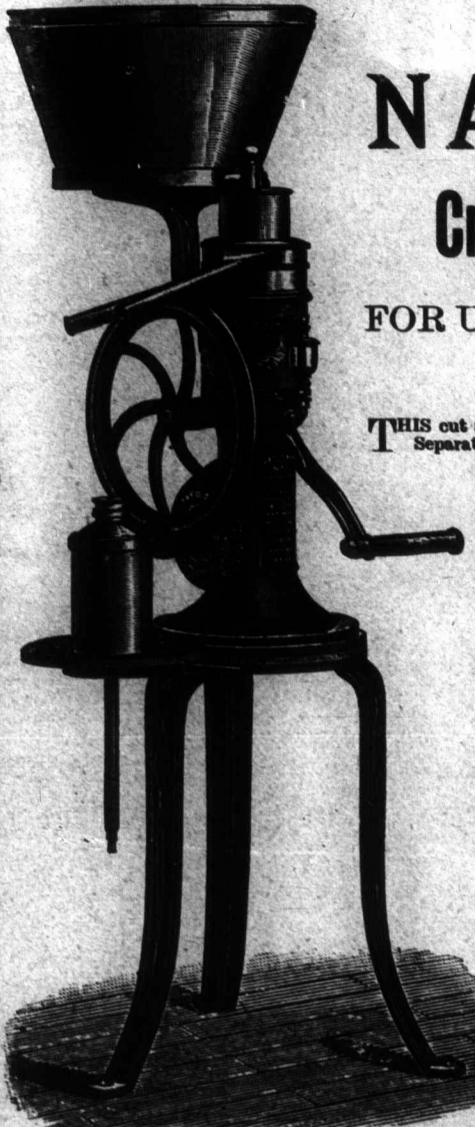
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Don't throw away your old one—make it new for \$1.00. Re-covering only takes one minute. No sewing. A clumsy man can do it as well as a clever woman.

TEN DAYS' FREE TRIAL. Send us \$1 and we will mail you, prepaid, a Union Twilled Silk "A Adjustable Roof" (28-inch, \$1.25; 30-inch, \$1.50). If the "Roof" is not all you expected or hoped for, return AT OUR EXPENSE and get your money back by return mail—no questions asked.

WHAT TO DO.—Take the measure (in inches) of your old umbrella; count the number of side ribs; state if the center rod is of steel or wood. Full instructions for putting on the cover will be sent with all orders. Our special price list of different sizes and qualities mailed on request. Send for FREE book, "Umbrella Economy," anyway. Your umbrella will wear out some day, and you will be glad that you know about it.

THE JONES-MULLEN CO., 396-398 BROADWAY, NEW YORK.

PLEASE MENTION FARMER'S ADVOCATE.

GOSSIP.

In writing to advertisers, mention the "Farmer's Advocate."

The "horseless age" is coming to grief through the formation of a gasoline vehicle trust.

Dalgetty Bros. lately sailed from Glasgow with nine Clydesdales and one Hackney for Canada. Among the former were Carswell's Grandson (854), Mayfield Chief (1023), and Alexander's Heir (1015). The others are younger horses.

Mr. James P. Phin, Hespeler, Ont., writes under date of Sept. 14th: "I herewith enclose check to pay for six months' advertisement in the FARMER'S ADVOCATE. My lambs have done well this summer. I have still ten choice ram lambs and twenty ewe lambs for sale. Have added seven choice imported shearing ewes, one grand shearing ram, and one ram lamb to my breeding flock this season."

LEICESTER FLOCK FOR SALE.

The flock of Leicester sheep advertised in this issue by Mr. Mungo McNabb, Corval, Ont., was established in 1887 by the purchase of four in-lamb ewes from Wm. Douglas of Caledonia, and they have been steadily improved by the purchase of the very best sires, among them being imported Excelsior 356, a Royal winner, purchased from James Snell, Clinton, in 1890. He was followed by Billie 517, bred by W. Nichol, of Plattsville. His dam was an imported ewe, and his sire, Doda's 2nd, noted for the excellency of his stock. He was used for three seasons, and was succeeded by Sam 7th 547, winner of third prize at Toronto and second at London in 1895. He was bred by W. Whitelaw, of Guelph. The present stock ram is Billy Balfour 1855, also bred by Whitelaw Bros., from imported Balfour 1146 and a choicely-bred ewe. He was in use in 1898, and the present flock of lambs are a very nice lot. The flock is now in good breeding condition, the proprietor having ceased to show. Since its establishment the flock has won many prizes in southern and western Ontario, while representatives have been sent over all the entire Dominion, giving entire satisfaction, and won many prizes. After the fair in 1898, the show flock was sold to D. White, of Hamiltonville, N. Y., in whose hands the next year they won nearly all they competed for throughout the Eastern States.

Miller & Sibley's Disclaimer.

Publicity is requested for the following letter addressed to Mr. John I. Whitlow, President of the Toronto Industrial Exhibition, by Messrs. Miller & Sibley, of Franklin, Pa., dated Sept. 16th:

DEAR SIR.—We were informed yesterday by a gentleman, who said he had read it in the daily papers, that one of our employees at your recent fair was charged with having forced the milk back into the udders of some of our cows, and that in consequence thereof six of them were poisoned and died.

We hardly need to say that this news came to us as a great surprise and shock, and that it was only after the employee in question had made a full statement and confession to us that we could believe such an act to have been possible. Although the cows that died were among the best we ever bred, or owned, or saw, and although it would have taken some thousands of dollars to have purchased them from us, yet we are glad that the tricky experiment resulted just as it did, and killed them all. We want no prizes, honors or successes of any sort unless we are justly entitled to them.

For over a score of years we have been laboring zealously for the improvement of certain breeds of domestic animals. This is not the place, and we are not in the mood, to dwell upon the successes we have achieved, but it may be pertinent in this connection to refer briefly to a few points, viz.: that we have spared neither pains nor expense to bring our Jersey herd to the highest possible standard of excellence, that we bought the best animals obtainable for foundation stock, that we were the pioneer Jersey breeders to introduce voluntarily the crucial tuberculin test, and that from the outset we have insisted most strenuously on the importance of constitution and milking capacity, and by every means known to hygienic science have striven to attain these ends.

Without boasting, we think we may be allowed to say that by these means and by fair dealing we have gained an honorable reputation which we highly prize. Our Jersey animals were a source of pleasure and pride to us, whether the business was successful from a pecuniary standpoint was always a matter of minor consideration. In view of all these facts, the thoughtless trick of our overzealous employee, which, we hardly need say, was unauthorized, unknown, and even unsuspected by either of the proprietors or by the manager, has humiliated us most keenly. We would never give our sanction to any unfair practices, even if we could be assured that they would never injure our cattle and never be discovered.

While the unwarranted and costly experiment of our employee with the cows would not, we presume, invalidate the awards to the males and females not in milk, yet we prefer, under the circumstances, not to receive any premiums whatever on our exhibit this year.

We shall give this letter to the live-stock press of the country and request its wide publicity. This we believe due to your association, as well as to our own good name.

Thanking you and your officials for your cordial treatment, we remain,

Truly yours,  
CHARLES MILLER, } Proprietors.  
JOS. C. SIBLEY, }  
E. H. SIBLEY, Manager.

NOTICE.

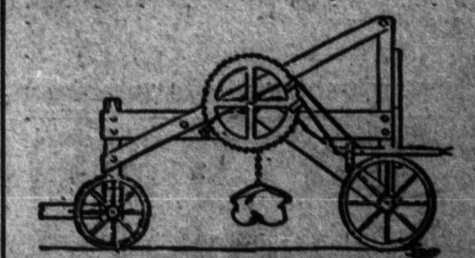
Desirous of Taking it Easier.—Mr. J. S. Campbell, of Silver Plains, Man., was one of the first settlers in this district. In 1874 he took up a homestead and pre-emption, and a few years after purchased 640 acres, making one of the very choicest farms in the district, being conveniently situated to the N. P. and C. P. R. R., and within three-quarters of a mile from church, school, and cheese factory. Mr. Campbell has acquired considerable other farm and city property, and has decided to retire from farm life. He has already disposed of two half-sections.

Horse Owners! Use



GOMBAULT'S Caustic Balsam A Safe Speedy and Positive Cure The Safest, Best BLISTER ever used. Takes the place of all liniments for mild or severe action. Removes all Bunches or Blisters from Horses and Cattle. SUPERSEDES ALL CAUTERY OR FIRING. Impossible to produce scar or blight. Every bottle sold 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 descriptive circular. THE LAWRENCE-WILLIAMS CO., TORONTO, CAN.

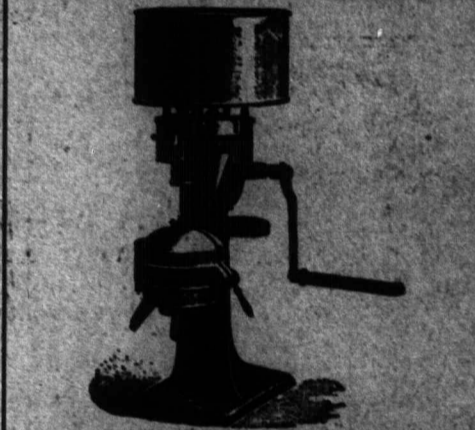
LEMIRE Stone and Stump Lifter



THE PATENT FOR SALE. Has an 18,000-lb. Lifting Capacity, which is Unequaled.

It lifts stones and deposits them 5 feet high in fences. Clear your land for reapers and mowers at a small cost, and build durable fences of the stones and stumps. The lever lifts and holds the stone in position for removal. Stone can be laid just where you want it. One man can raise a stone one team cannot draw and do it quick and easy. Agricultural societies and farmers' clubs are buying them for sections. Price moderate.

For particulars write—  
COPP BROS., LIMITED, HAMILTON, ONT.  
A. LEMIRE, PROPRIETOR, Wotton, Que.  
At all the leading exhibitions.



CREAM SEPARATORS.

Have met with universal success at the leading fall exhibitions, beating all competitors. Several special awards have been given to the "Melotte," being the most efficient and easiest running Separator on the market.

R. A. LISTER & CO., LIMITED, 579 and 581 St. Paul Street, MONTREAL, QUEBEC.

"With what we cannot know we cannot be concerned."

But we do know that the

AMERICAN CREAM SEPARATOR

Stands without rival on the market to-day.

The AMERICAN will be sent on trial, and we guarantee perfect satisfaction. Get prices and illustrated catalogue from

RICHARDSON & WEBSTER ST. MARY'S, ONT.

Also manufacturers of Cheese-factory and Creamery Apparatus.

NO INSTRUMENT IS MORE POPULAR IN CANADA TO-DAY THAN THE



# Bell Piano

AND THERE IS NO BETTER TO BE HAD.

BUILT TO LAST A LIFETIME.

THE ORCHESTRAL ATTACHMENT RENDERS POSSIBLE THE EFFECT OF SIXTEEN DIFFERENT STRINGED INSTRUMENTS. IT IS USED ONLY IN THE "BELL." SEND FOR FREE BOOK-LET, NO. 40, IT TELLS ALL ABOUT IT.

The BELL ORGAN & PIANO CO., Limited, GUELPH, ONTARIO.

## GOVERNMENT ANALYSIS

LABORATORY OF INLAND REVENUE,  
OFFICE OF OFFICIAL ANALYST,  
Montreal, April 8, 1895.

"I hereby certify that I have drawn, by my own hand, ten samples of the ST. LAWRENCE SUGAR REFINING CO.'S EXTRA STANDARD GRANULATED SUGAR, indiscriminately taken from ten lots of about 150 barrels each. I have analyzed same and find them uniformly to contain:

99.88 to 100 per cent. of pure Cane Sugar, with no impurities whatever."  
(Signed) JOHN BAKER EDWARDS, Ph. D., D.C.L.,  
Prof. of Chemistry and Public Analyst, Montreal.



"Money Saved is Money Earned."

WHY NOT SAVE THE PRICE OF HEATING YOUR HOUSE BY USING UP YOUR ROUGH WOOD IN ONE OF OUR

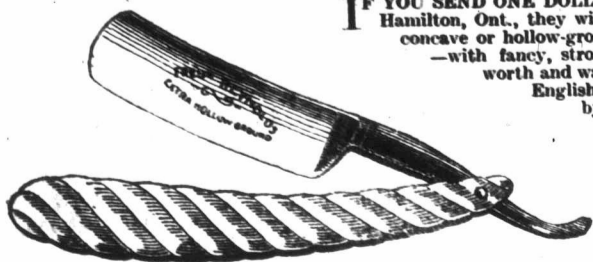
### Hilborn Wood Furnaces

This Furnace has been on the market for the past fifteen years, and has given the very best results. DURABILITY is attained by a proportionate arrangement of weights; EFFICIENCY by means of the immense radiating surface, and EASE OF MANAGEMENT by provision for easy cleaning. Send us a rough sketch of your house, and we will send you estimates and advice.

Winnipeg, Man. CLARE BROS. & CO. Preston, Ont.

*You don't know how delicious Tea can be unless you have tried Blue Ribbon Ceylon.*

### "THE RAZOR THAT HAS MADE US FAMOUS"



IF YOU SEND ONE DOLLAR (\$1) to Stanley Mills & Co., of Hamilton, Ont., they will at once mail you a first-quality concave or hollow-ground RAZOR—a magnificent Razor—with fancy, strong celluloid handle; a Razor that is worth and was made to sell for \$3.00. It is an English-made Razor, ground in Germany by the finest cutlers in the world. No better Razor can be made. Our price is only \$1.00 each, post-paid to any Canadian address. When ordering, say if you want round point or square point.

Write for our free catalogue. om

Letter Order Department,  
STANLEY MILLS & CO., Hamilton, Ontario.

## TEST OF Alpha De Laval and Reid's Improved Danish Cream Separators

Made at Nilestown Factory of Thames Dairy Co.

Date, 1896.	Machine	Amount skimmed per hour	Speed revolutions per minute.	Butter-fat left in skim milk at following temperatures.	Lbs. Milk per Lb. Butter.
January 25	Alpha	2800	6000	80 85 90 95	21.10
January 27	Reid's	2800	6200	.05 .02 .01 .01	22.45
January 30	Alpha	2800	6000	.05 .03 .02	
January 30	Reid's	2800	6200	.15 .10 .08	

On January 25 Buttermilk from Cream of Alpha churned at 50 tested .05 (no water added).

January 26th Buttermilk from Cream of Reid's Improved Danish churned at 48 tested .10 (no water added).

Mr. Richardson, St. Mary's, and Mr. John Brodie, Mapleton, were present when testing Reid's Improved Danish, January 27th.

On January 30th both Separators were running at the same time, and the skim milk from the Reid's was put through the Alpha. There were 3,700 lbs. of milk received, and after it had been skimmed by Reid's Improved at a temperature of 90 degrees the Alpha skimmed 303 lbs. of Cream from the skim milk which tested 8/10 of 1 per cent.

The Cream from each Separator was ripened by the use of a pasteurized starter, and contained .65% of acid at the time of churning when tested by Farrington's Alkaline Tablets.

(Signed) T. B. MILLAR,  
Manager Thames Dairy Co.

## BLOOD RELATIONSHIP

PROMPTS YOU TO BUY FROM A MEMBER OF YOUR OWN FAMILY—IF HE SELLS GOODS THAT YOU DESIRE TO PURCHASE—IN PREFERENCE TO HIS COMPETITORS WITH WHOM YOU ARE NOT CONNECTED.

## Massey-Harris Farm Implements

ARE MADE AND SOLD BY YOUR OWN COUNTRYMEN, AND THE MONEY YOU PAY FOR SAME BENEFITS YOU AND YOUR COUNTRY. THEREFORE, WHY BUY FOREIGN-MADE MACHINES.