

THE FARMER'S ADVOCATE AND HOME MAGAZINE.

THE LEADING AGRICULTURAL JOURNAL IN THE DOMINION.

PUBLISHED WEEKLY BY THE WILLIAM WELD COMPANY (LIMITED)

JOHN WELD, MANAGER

AGENTS FOR THE FARMER'S ADVOCATE AND HOME JOURNAL, WINNIPEG, MAN.

- 1. THE FARMER'S ADVOCATE AND HOME MAGAZINE is published every Thursday.
- 2. It is impartial and independent of all cliques or parties, handsomely illustrated with original engravings, and furnishes the most practical, reliable and profitable information for farmers, dairymen, gardeners, stockmen and home-makers, of any publication in Canada.
- 3. TERMS OF SUBSCRIPTION.—In Canada, England, Ireland, Scotland, Newfoundland and New Zealand, \$1.50 per year, in advance; \$2.00 per year when not paid in advance. United States, \$2.50 per year; all other countries 12s.; in advance.
- 4. ADVERTISING RATES.—Single insertion, 25 cents per line, agate. Contract rates furnished on application.
- 5. THE FARMER'S ADVOCATE is sent to subscribers until an explicit order is received for its discontinuance. All payments of arrears must be made as required by law.
- 6. THE LAW IS, that all subscribers to newspapers are held responsible until all arrears are paid and their paper ordered to be discontinued.
- 7. REMITTANCES should be made direct to us, either by Money Order or Registered Letter, which will be at our risk. When made otherwise we will not be responsible.
- 8. THE DATE ON YOUR LABEL shows to what time your subscription is paid.
- 9. ANONYMOUS communications will receive no attention. In every case the FULL NAME and POST-OFFICE ADDRESS MUST BE GIVEN.
- 10. WHEN A REPLY BY MAIL IS REQUIRED to Urgent Veterinary or Legal Enquiries, \$1 must be enclosed.
- 11. LETTERS intended for publication should be written on one side of the paper only.
- 12. CHANGE OF ADDRESS.—Subscribers when ordering a change of address should give the old as well as the new P. O. address.
- 13. WE INVITE FARMERS to write us on any agricultural topic. We are always pleased to receive practical articles. For such as we consider valuable we will pay ten cents per inch printed matter. Criticisms of Articles, Suggestions How to Improve THE FARMER'S ADVOCATE AND HOME MAGAZINE, Descriptions of New Grains, Roots or Vegetables not generally known, Particulars of Experiments Tried, or Improved Methods of Cultivation, are each and all welcome. Contributions sent us must not be furnished other papers until after they have appeared in our columns. Rejected matter will be returned on receipt of postage.
- 14. ALL COMMUNICATIONS in reference to any matter connected with this paper should be addressed as below, and not to any individual connected with the paper.

Address—THE FARMER'S ADVOCATE, or THE WILLIAM WELD COMPANY (LIMITED), LONDON, CANADA.

public. An exhibit of the leading varieties of ensilage corn suitable for growth in the different sections of the Province was made at the Canadian National Exhibition, Toronto, and was viewed by thousands of farmers. Local interest was aroused by means of timely articles in the county press, and by means of rural-school corn fairs. Several meetings were held at different points in the large corn-producing counties, and corn improvement discussed with the grower. Many branch associations were formed. The membership of the association has increased until it has reached nearly 700, and the prospects for a very successful exhibition this winter are bright. The organization was handicapped for lack of funds, but the loyal support of the south-western counties and townships, expressed through their grants, and aid from local business men and the officers and members' fees, successfully sustained the work thus far. The far-reaching importance and Provincial character of the work of the association naturally arrested the attention of the Provincial Government, from which an initial grant of \$250 was received, which the imperative needs of the work have, of course, now far outgrown.

The lines of work which the association will follow this year are very similar to that which has been done during 1909, but the question of suitable varieties of corn for the different sections of the Province is one that will receive considerable attention.

As an earnest of the work to be accomplished, arrangements are already complete for the second annual exhibition and convention, at the town of Essex, on February 1st, 2nd, 3rd and 4th next. The directorate are offering prizes, exceeding \$800 in value, as compared with \$100 last year, and the programme is worthy the giant cereal, the growth of which it is designed to promote. The list of speakers includes such outstanding authorities as Prof. L. S. Klinek, of Macdonald College; Prof. C. A. Zavitz, Ontario Agricultural College; Prof. C. G. Williams, of Ohio; L. H. Newman, Secretary of the Canadian Seed-growers' Association, and Hon. J. S. Duff, the Minister of

Agriculture for Ontario. The Secretary, Mr. McKenney, Essex, will respond to any enquiries for programmes or other particulars of what promises to be the greatest event of the year in Ontario cereal-growing.

Aeration of Milk Harmful.

It was only yesterday, as it were, that the practice of dipping and pouring the evening's milk intended for the factory was thought to be the proper and the only proper way of treating it. In the warm summer evenings, it was for very many the last job before going to bed, an irksome but supposedly necessary task. Some ten or twelve years ago, several farmers in the neighborhood of London had automatic agitators installed, which, when wound up, kept stirring the milk for hours. These soon went out of use, however, their effect being the spoiling of several batches of milk. Now we are informed, on the authority of no less a person than Geo. H. Barr, of the Dairy and Cold-storage Commissioner's staff, Ottawa, a level-headed and careful experimenter, that aeration is not only needless, but positively hurtful.

The conclusion regarding proper care of milk at which Mr. Barr had arrived in 1908, after a series of carefully-conducted experiments, that prompt cooling of milk, without aeration, gave the finest curds and cheese, has been confirmed by a further set of experiments conducted in 1909. These latter might be expected to be even more authoritative than the first, in that, while in 1908 the milk from but two herds was used for experiment, the product of the herds of all the patrons of the Smith's Falls Cheese Factory was under test in 1909. Another factor: Mr. Barr or his assistants attended to the cooling or aerating of the milk in 1908 in person, but last year this work was done by the patrons themselves, acting under instructions. In this way, any suspicion that former conclusions were reached on account of the skill of the experimenter, was removed. Results obtained indicate that aeration by dipping and pouring is not only less beneficial than cooling without aeration, but that it is positively injurious. Milk that was simply stirred without cooling invariably gave better-flavored and less-gassy curds than were produced from aerated milk, whether cooled or not. The practice of leaving milk uncooled is not to be commended, however, as in warm weather it becomes over-ripe during the night. Much the best method is to cool the milk as soon as possible after milking, without aeration. The plan of cooling recommended is to place the milk cans in cold water, and, as the cows are milked, strain the milk into the cans, and put the covers on as soon as milking is finished.

HORSES.

Winning Clydesdale Sires in 1909.

The table of winning sires, as decided by the awards at the eight principal British shows, as published in the Scottish Farmer Album, does not differ, so far as the first two are concerned, from that with which we have been familiar during the past few years. Baron's Pride (9122) still leads with a deal in hand. Whether the standard be the total number of prizes, the number of first prizes, the number of championships, or the number of prize animals, he leads with an easy majority. Most of the most successful of his produce have already been named. Of other first-prize winners, Gartly Pride (12997), the first-prize stallion at the Highland, and Lady Dukina, the first-prize three-year-old mare at the Royal Northern, where, to the surprise of most people, she was preferred to Boquhan Lady Peggy, are the most notable. Mr. Pollock's Hiawatha (10067) comes second, with a capital record. His most noted representatives were undoubtedly the two mares, Minnewawa and Boquhan Lady Peggy, already referred to. Amongst stallions, his most outstanding representative was Mr. Leckie's very handsome two-year-old horse, Royal Salute (11826), which was first at Ayr, and second at the Spring Stallion Show. This is a gentleman's horse all the time. He is own brother to Wm. Benwick's beautifully-moulded two-year-old, Royal Review, which won supreme honors at the Highland and Agricultural Society's Show, at Edinburgh, in 1907, and he was hired at Ayr by the Strathmore Horse-breeding Association, who had Royal Review under engagement when he died. Third place on the list is worthily filled by

Baron of Buchlyvie (11263). No horse made a more rapid advance in public esteem as a breeding stallion than he. By the results of 1909, he has fairly outdistanced all the other sons of Baron's Pride, and he promises to be one of the most noted sires in Clydesdale history. With such winners as Bonnie Buchlyvie, Dunure Footprint, Perfect Motion, The Right Honorable, Baron Belmont, White Silk, Brenda of Montrave, to his credit, it is obvious that his must be a high place in the Clydesdale honor list. His half-brother, Revelanta (11876), a former Cawdor Cup winner, follows in fourth place; and then the Sir Everard succession is broken by the appearance of Peter Dewar's splendid breeding horse, Royal Favorite (10630), fifth. The most notable of his nine exhibits was Purdie Somerville's grand big horse, Scotland Yet (14829), which stood first at Kilmarnock, third at Ayr, and first at the Highland, in the three-year-old class. This horse created quite a sensation on all his appearances. At the Highland he was an outstanding winner in his class. The best of the female produce was J. E. Kerr's Ferelith, the daughter of the celebrated Pyrene, which was first at Ayr, and H. B. Marshall's yearling from Rachen, which was first at Edinburgh. She was subsequently exported at a big price. Mr. Kilpatrick's young champion horse, Oyama (13118), takes a strong position as sixth in such a list, with twenty-one prizes won by seven of the produce got by him when a three-year-old. This, we suspect, is an unprecedented feat, and promises very well for the future of this celebrated horse. Everlasting (11331) comes well up with a return of eighteen prizes won by ten animals, and of these, one had a championship, already referred to.

Mr. Taylor's Sir Hugo (10924) brings in a new grade of results with nine prizes won by six animals; while Veronique and Squire Ronald combine with two others to give Montrave Ronald (11121) a strong lead among the sevens. Count Victor (12108) takes first place among the fives, and promises to be perhaps the best breeding horse among the sons of Hiawatha. His best representative was, of course, Alex. Simpson's fine big colt, High Degree (14703), which was first at the Spring Stallion Show, and second at the Glasgow Summer Show and the Highland. He also won other prizes locally, and bids fair to be one of the best and biggest stallions of his age. The fours are pretty evenly balanced; perhaps Royal Edward (11495) may be awarded the premier place. Of the threes, Up-to-Time (10475) clearly has it with his representative British Time; and Rozelle's (10638) pre-eminence is equally assured among the twos. The place of pre-eminence among the sires which had each one representative at these eight shows is quite plainly that of Sir Humphrey (11912), whose honor is safe in the record of St. Clair (14317). The following tables speak for themselves, of the first fifteen sires, and every pains has been taken to make them correct:

Name of Sire	Total Prizes	Firsts	Sec. omals	Champs.	No. of Animals
Baron's Pride (9122)	53	23	7	7	57
Hiawatha (10067)	47	11	11	1	51
Baron of Buchlyvie (11263)	41	7	11	1	45
Revelanta (11876)	37	7	11	1	41
Royal Favorite (10630)	31	7	11	1	35
Oyama (13118)	21	7	11	1	25
Everlasting (11331)	18	7	11	1	22
Sir Hugo (10924)	9	7	11	1	12
Montrave Ronald (11121)	7	7	11	1	10
Marcellus (11110)	7	7	11	1	10
Warrior (11420)	7	7	11	1	10
Count Victor (12108)	5	7	11	1	8
Royal Chaffan (11189)	5	7	11	1	8
Benedict (10315)	5	7	11	1	8
Royal Edward (11495)	5	7	11	1	8

The Alberta Provincial Horse Show, Calgary's premier society event, will be held from April 5th to the 8th. The fat-stock show and pure-bred stock sale will also be held on the same dates.