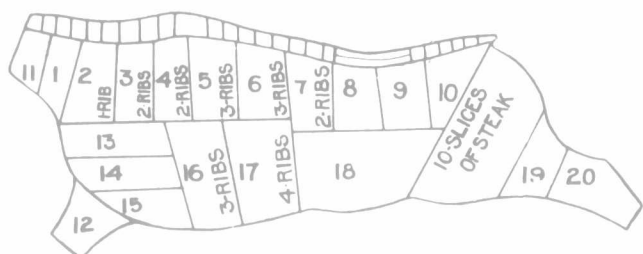


frequenting the Guelph district. But such work, although not of a practical biological nature, is valuable from a nature-study standpoint. Another item claiming attention is the plea of the president and professor of bacteriology for increased laboratory facilities. Not long since, it was generally conceded that Prof. Harrison's laboratory was one of the best-equipped bacteriological laboratories in America. The request is now made for a new laboratory and a good isolation stable to facilitate the work of investigating the bacteriological diseases incident to domestic animals. Here, again, is the difficulty already referred to. At Central Experimental Farm, Ottawa, the Dominion Government have built and equipped an elaborate laboratory for the pathologist, Dr. C. H. Higgins, B. S. D. V. S., whose whole time is to be given to the investigation of bacteriological diseases among Canadian stock. Work in duplicate may be valuable from an educational standpoint, but there should be an understanding between the governments as to what extent duplication of work shall extend. Agricultural bacteriology provides a wide field for investigation, and we incline to the belief that as no other provision is made for its pursuit, the professor of that branch at the Ontario Agricultural College should give his first and best attention to the bacteriology of the soil, the dairy, plant life, farm products, etc., since Ontario bears a large part of the expense of maintaining the Dominion bacteriological laboratory.

Twenty-Share Beef Ring.

Having seen enquiry made for a twenty-share beef-ring chart in your valuable paper, I enclose one which may be of some use, and has given good satisfaction in two rings in this neighborhood for five years.



Roast.	Boll.	Steak.
1	14	1
2	13	2
3	19	3
4	16	4
5	17	5
6	18	6
7	15	7
8	12	8
9	20	9
10	11	10

Halton Co., Ont.

SUBSCRIBER.

Grain Rates Lower.

The reduction in grain rates from Canadian territory for both export and domestic business is announced, taking effect on May 2nd, on all roads doing business in Canada. This is simply a reduction, meeting a lowering in the tariffs of the American roads, who have had to make the cut on east-bound business because of the competition of the southern ports of export in the United States.

The Grand Trunk and Canadian Pacific have announced that the lines from Chicago eastward having reduced rates, the reduction to go into effect on May 2nd, the Canadian tariffs will be corrected as rapidly as possible, but that the reductions generally on grain and grain products will be on a basis of 11¢. from Chatham district to New York for export, and 13¢. on the domestic rates. Corresponding reductions will be made from other districts, and the Maritime Provinces will also be included.

Women's Institutes.

The Superintendent for Farmers' Institutes for Ontario, Mr. Geo. A. Putman, is managing a vigorous propaganda in the organization of Women's Institutes. During the latter part of May and the first part of June, twenty-two lady speakers will hold two hundred and twenty meetings throughout the Province, and will lecture on domestic science, homemaking, decoration, and topics of special interest to the farmer's wife. Among the lecturers will be Mrs. Geo. Macbeth and Mrs. Joy, of Toronto; Misses Rose, Maddock and Miller, of Guelph.

Planting Forest Seeds.

Mr. Thomas Conant, of Oshawa, Ont., is importing from Germany a quantity of various forest tree seeds, which he is planting this spring. These seeds are easily and cheaply obtained in Germany, and were grown in the neighborhood of the great Black Forest. That locality being so far from the sea, the trees cannot be affected by the ameliorating influence of water, and hence they should live in Ontario. Mr. Conant plants the seeds very abundantly, and even if a small portion of the aggregate live he will have a forest from the planting in a few years. They are being planted near the groves of black walnut, of which he set out many thousands, these a fair size, a few years ago.

I think your paper is much more interesting since you made it a weekly, and would be sorry to be obliged to go back to the semi-monthly.
Rouville, Que. F. A. CARDEN.

Tenth Canadian Horse Show.

Larger and better than ever, was the unanimous verdict passed upon the tenth annual Canadian Horse Show, held in the Armories, Toronto, April 27th to 30th last. Interest in the light classes of horses never ran higher in Canada than it did in Toronto during the last week of April, and although devotees of the automobile held a show in the city on concurrent dates, our noble friend the horse was the supreme center of attraction. Throughout the four days of the show the attendance continued large, and included visitors from many of the towns and cities outside of Toronto, both Canadian and American. The social aspect of the show was particularly pronounced this year, as evidenced by the beautifully decorated boxes and magnificently-gowned ladies. On the two last days the presence of the Governor-General and suite added much to the attractions of the function.

In all there were eighty-eight classes catalogued, and nearly all were well filled. The classes for fancy leathers and hunters were particularly strong, while a very noticeable improvement was observed in the breeding classes of Standard-breds. The judging was satisfactory, with a few rare exceptions, and the punctuality with which each class was ushered in and dispatched was most commendable to the management.

DRAFTERS.

The show of draft horses consisted of three classes, namely, single drafters, draft teams, and Clydesdale teams. In the first-named class, Alex. Doherty, Ellesmere, showed a three-year-old chestnut gelding, Bobbie Burns, that was good enough to go first in a field of thirteen entries. This horse just about touches the perfection mark for draft geldings—massive body; clean, hard bone; splendid sloping pasterns, and true at his paces. Next to him was Duke, a five-year-old gelding, shown by the Dominion Transport Co., and third was Montrave Nell, another five-year-old from the stables of W. D. Linstead, Queensville, Ont. The class for draft teams, any breed whatever, had six entries, but the honors were easily won by Robert Davies, on his famous show mares, Nelly Lynedoch and Her Pretty Sel. These mares are big and massive, without being loose-jointed or flabby; they are close-coupled, heavily muscled, clean-limbed, and move well, making splendid models to which breeders endeavor to attain. Scarcely less creditable, but a lighter, was the second-prize team, both mares, shown by J. L. Clark, Norval, Ont., and Louis and Prince, the property of Jos. Russell, Toronto, made a good pair for third places. These all stood above the first-prize single drafter and his mate, Daisy Bell. The latter being in foal detracted considerably from her show appearance. The placing of the teams sired by a registered Clydesdale stallion, was the same for the first two pairs as in the previous class, but for third place the judges chose Montrave Nell and Archie, the entry of W. D. Linstead.

The Toronto Horse Show still awards prizes to stallions of mixed breeding, under the guise of encouraging carriage or coach horse breeding. If the horses showing in these classes were required to be registered in some authorized studbook, they would then be quite worthy of a prize, but as the conditions do not call for this, the prizes only encourage the pernicious practice of keeping cross-bred or mongrel-bred sires because they happen to be good individuals.

STANDARD-BREDS.

There was a real treat offered the spectators in the exhibition of Standard-bred stallions over three years old, Miss K. L. Wilks' (Galt) new purchase, Ora Wilkes, making a very fine recipient of the red frill. He is not a lean, rangy horse, such as one so frequently sees at the races, but is of quite the opposite type, rather low and short, but very strong and heavily muscled. In going, he is busy all the time, which accounts for his mark of 2.09 as four-year-old. Second station went to Crow & Murray, on Prodigal Son, quite a rangy fellow, that can dissipate a lot of speed. He was well shown, and covered the ground fast at the trot, but in conformation was hardly as attractive as the first horse. D. C. L. landed the third for Simon James, Hamilton. Here is a horse with a very beautiful top and a lot of speed, a capital combination in a Standard-bred.

The competition in the three-year-old Standard-breds was confined to four entries. First place again went to Miss Wilks on Rex W., a Dashwood colt, who well upheld the standard and represented the type kept at Cruickston Farm. Clifford, a right good mover, and a horse of splendid conformation, took second for Grosch

Bros., Milverton, and third reverted to Miss Wilks on Ora Dell.

ROADSTERS.

The conditions for this class are standard or non-standard bred. A roadster, when mature, for driving should not be under 15 hands high. Conformation, style of going, manners, hock and knee action will be considered in the ring; to be shown in harness to a road wagon (buggy). For the class not exceeding 15.2, Lady Cresceus, Miss Wilks' entry, was easily first, with Ruth, shown by Geo. Tilt, Blair, second, and Wild Duchess, a Toronto mare, third. In such classes it is good policy to encourage plenty of substance, as well as speed. In this respect the first-prize mare was all that could be desired; the others were hardly as good in conformation.

In the class over 15.2, Black Beauty, Bobs and Clifford, three Toronto geldings, won in the order named. For pacers, 15.2 and under, Honest Billy, shown by T. Bartrem, Toronto, was first choice. Although a strong, well-muscled horse, he did not show the speed of the next two, Berth W. and Minnie Keswick, which took second and third respectively. Pacers over 15.2 had Harry, a big, strong, fast fellow, for first. He is owned at Preston. Little Boy and Gertie, Toronto horses, got the next two places. The championship for best roadster resulted in a victory for Lady Cresceus.

Road teams had a very close competition. Many thought Lady Cresceus and her mate, Mahle would lead, but in the ring Thelma and Zella, exhibited by J. D. McGibbon, Milton, got away with honors. Geo. Tilt, of Blair, then came second with Ruth and Emily, and Miss Wilks' team third.

THOROUGHBREDS.

Thoroughbreds in breeding classes are not remarkable for their numbers at our shows, but there is plenty of evidence of the blood in the saddle classes. In about three weeks, when the events are in full swing at the Woodbine, the Thoroughbred will be a more prominent factor. Martinas, exhibited by Wm. Hendrie, Hamilton, was the choice of the judges for first in the aged class. He is a horse with considerable substance and breezy appearance. The second horse was Central Trust, a right good sort, owned by Jos. Hurley, Guelph, and the aged Tragedian was third.

Only one entry came out in the class for stallions under three years old, but he was a good typical Thoroughbred. Wild Monarch is his name, owned by E. B. Clancey, Toronto.

The real interest in the Thoroughbreds centered in the class best suited to improve the saddle horses of the country. The prizes were sixty, thirty and twenty dollars. In this class the old plater, Dalmoor, shown by Ed. Whyte, Aldershot, was again ahead. He is now ten years old, stands 16.1, and has a beautiful conformation, round bodied, clean-cut head, good muscling, and beautiful clean limbs. Trinity, the aged horse from Milton, took second station, and Credential, from Hamilton, third. Dalmoor then won the gold medal for best Thoroughbred any age.

HACKNEYS.

Our equine aristocrats, the Hackneys, were as usual the object of general admiration. The senior stallion class developed into a contest between the champion of many Canadian and American shows, including the Chicago International, Saxon, now owned by Graham Bros., Claremont, and A. Yeager's Hillhurst Sensation, a horse that is making Norfolk County famous. Saxon, as we have observed before, is the product of the Alberta range, and was sired by Robin Adair 2nd (imp.). He is a horse of splendid proportions, great substance, and with the proper paces. Hillhurst Sensation displayed himself magnificently, and was very popular with the audience. He is a very solid, compact Hackney—some describe him as "cobby"—and has a most phenomenal record as a sire of high-stepping carriage horses. The awards finally fell to Graham Bros. and Yeager respectively. Rosseau Performer, shown by J. Thompson, V. S., Orillia, worked up to third place. He is a horse with many commendable qualities, has plenty of size and substance, and can show quite a deal of action. Dante, exhibited by A. B. Campbell, V. S., Berlin, a very attractive and useful-looking horse, got fourth.

Hackney stallions, under three years old, had two entries, the red going to Toscar, bred by R. Beith, M.P., Bowmanville. This horse was lately purchased by Senor Julio Pabelo, to go to the Argentine, and was shown by his present owner. He is by Lord Roseberry (imp.), and has many of his sire's best show qualities. Percy Performer, imported and exhibited by Thos. Irvine, Winchester, Ont., put up a splendid exhibition of clean, high action, and carries with it good substance and quality. He promises to make a valuable sire for Eastern Ontario.

The championships for best Hackney stallion, imported or home-bred, and best Hackney stallion, Canadian-bred, were both won by Saxon, while Hillhurst Sensation got first for high-stepping stallion in harness, sired by a registered Hackney stallion.