

2, Potter. Two-year-olds—1, 2 and 4, Cummings; 3, Hancox. Yearlings—1 and 2, Cummings. Junior calves—1 and 2, Cummings.

The male championship went to the calf Glenlea De Bell Hengerveld, and the female championship to Daisy Camille 2nd, the aged cow.

In herd, bull and four females, any age, Cummings was first, Potter second, and Hancox third. In herds under two years, Cummings was first and Potter second. In three, the get of one bull, Cummings was first and second, and Potter third. Two calves under one year went to Cummings, with Hancox second. Herd bred by exhibitor was won by Potter, with Hancox second.

Jerseys and Guernseys.—Jerseys were represented by but one herd of a very few head, shown by V. A. Little, Stonewall; and Guernseys by one animal, a bull shown by H. H. Hinch, of Winnipeg.

SHEEP.

The sheep pens were taxed to their utmost, every available pen being filled. The gentler animals came out not only in numbers, but also in quality. They were an excellent lot, and especially in the Leicester classes furnished close competition. The onlookers showed a keener interest than is usually seen at the Western shows, as such a large aggregation of high-class sheep is seldom seen in the West. The judging was done by G. H. Hutton. The exhibitors were:

Cotswolds—T. A. Cox, Brantford, Ont. Leicesters—T. A. Cox; A. P. Potter, Langbank, Sask.; R. D. Laing, Stonewall; A. J. McKay, Madonald; and J. Bartlett, Oakville, Man. Shropshires—T. A. Cox, and Fred Skinner, Indian Head, Ont. Oxford—T. A. Cox, and Peter Arkell & Sons, Teeswater, Ont. Suffolks—James Bowman, Guelph, Ont. Hampshires—T. A. Cox. Dorsets—J. A. Chapman, Hayfield, Man.

Leicesters put up the best competition, being out in largest numbers. McKay secured first on aged and shearling rams and aged and shearling ewes, and also both championships. Potter, Cox and Laing divided the remainder of the money.

Cox took nearly all the money in Shropshires and Hampshires, and Arkell in Oxford. Bowman and Chapman being the only exhibitors in Suffolks and Dorsets, respectively, took all the money. There was keener competition in the mutton class, T. A. Cox winning the first prize, Arkell and McKay securing the second and third places. T. A. Cox also obtained most of the first places for the grade sheep.

SWINE.

The swine entries exceeded those of former years, and the quality of the animals showed improvement. A number of Berkshires were there from Ontario, and won a large share of the Berkshire awards. In nearly every class there was keen competition, and it was not without a fight for the honors that the awards were given. Every exhibitor showed good animals of a very high rank, the kind that any intending breeder would do well to commence with. The Berkshire classes brought out the strongest aggregation, although Yorkshires, Poland-Chinas, Duroc-Jerseys, Tamworths and Chester Whites were exhibited in goodly numbers. G. H. Hutton made the awards.

The exhibitors were: Berkshires—H. L. Emmert, Oak Bluff; W. J. Cummings, Glenlea; A. J. McKay, Macdonald, Man.; T. A. Cox, Brantford, Ont. Yorkshires—W. H. Mortson, Fairlight; A. B. Potter, Langbank, Sask., and T. A. Cox. Tamworths—W. H. Mortson and R. H. Bryce were the only exhibitors. Poland Chinas—P. D. McGrath, Oak Bluff; F. H. Wieneke and M. J. Stanbridge, two Manitoba breeders; J. A. Chapman, Hayfield, Man.; W. H. Mortson, and O. C. Miller, Chedoke, Alta. Chester Whites—W. J. Cummings, Glenlea. Duroc-Jerseys—O. C. Miller, and John Maurer, Clive, Alta.

In Berkshires, Cox took most of the first prizes. H. L. Emmert exhibited some very good animals, and won second place in the aged boars, boars over six months and under one year, the yearling sows, sows over six months and under one year, and on the herd (boar and three females), bred in Western Canada. A. J. McKay showed some good utility stock, and was awarded second place in boars of calendar year, and third place in sows of the calendar year, and on sow and litter of pigs.

Yorkshires furnished a duel between Mortson and Potter. Mortson got first on aged boars, while Potter was first and second in boars of the calendar year, first in aged sows, yearling sows, sow and litter of pigs, herd, boar and three females. He also obtained the championship and reserve championship for females on two very typey sows with a great deal of quality.

Mortson obtained the greater number of prizes in the Tamworth classes, getting both championships. Bryce secured first money on young sows, besides several second and third awards.

F. H. Wieneke secured first place in all the boar classes in Poland-Chinas, and had the champions in both sexes. Stanbridge did well in the female classes.

The Chester Whites and Duroc Jerseys were a good lot, and deserving of more competition.

Honors in the bacon classes were distributed between W. H. Mortson, A. B. Potter and T. A. Cox.

In the specials, considerable interest was centered because of the competition between breeds. T. A. Cox, on his Berkshires, obtained the grand championships in both sows and boars, on his yearling animals. W. J. Cummings had the reserve champion boar, and J. Maurer, on a stylish, typical fat hog, received the reserve championship for females.

Veterinary Director General Appointed.

The important position of Veterinary Director-General at Ottawa, left vacant through the resignation of Dr. J. G. Rutherford, V. S., on March 31st, last, has been filled by the appointment of Dr. Fred Torrance, of Winnipeg, Man.

Dr. Torrance, after obtaining his B. A. at McGill University, spent a year at the Ontario Agricultural College. He then attended the Montreal Veterinary College, taking the V. S. of that institution, and later D. V. S. of the McGill faculty of comparative medicines. Going West subsequently, he engaged in veterinary practice in Brandon, Man., and for some years held the position of district veterinarian under the Provincial Government.

In 1897 he moved to Winnipeg, where he developed a large practice, and when the Agricultural College of Manitoba was organized, he was appointed lecturer in veterinary science, and later professor, a position which he has held up to the present time. He was one of the first members of the Veterinary Association of Manitoba, and has held the position of secretary-treasurer and registrar for ten years. He is also a member of the American Veterinary Medical Association, and has been one of its vice-presidents. He is also a member of the International Commission on Bovine Tuberculosis. In research work, he made special investigations into the disease of swine fever of horses, and presented to the meeting of the A. V. M. A. the first paper on that subject in America. He has also contributed to the agricultural press on veterinary subjects.

For the present, Dr. Torrance will be live-stock commissioner, as well as Veterinary Director-General, but these branches of the service are to be divided by the Minister of Agriculture during the year. The former duties have been for months efficiently discharged by Prof. H. S. Arkell, as Acting Commissioner.

Prices of Agricultural Products at U. S. Markets.

Following is the range of prices of agricultural produce at important markets in the United States from July, 1905, to July 1st, 1912, as given in the official United States crop report:

Date.	Wheat.			Corn.			No. 2 oats.	No. 2 rye	Baled Hay, No. 1 timothy.	Wool.		Live Hogs (bulk of sales).	Butter.		Eggs.	Cheese, colored.									
	No. 2 red winter.			No. 2.						Ohio fine, un- washed.			Best tub- washed.				Creamery, extra.		Ave'r best, fresh.						
	Chicago.	N. Y. (f. o. b. alfloat).	Chi- cago.	N. Y. (f. o. b. alfloat).	Chi- cago.	Chicago.	Chicago.	Bos- ton	St. Louis.	Chicago.	New York.	Elgin.	New York.	New York.											
	Per bu.	Per bu.	P. bu.	P. bu.	P. bu.	Per bu.	Per ton.	Per Lb.	Per Lb.	100 Lbs.	P. Lb.	P. Lb.	P. Dos.	Per Lb.											
1905, July.	86 1/2	1.75	90 1.09	53 1/2	59 5/8	63 27	34 58	75	10.00	11.00	27	28	41	42	5.40	6.05	2 1/2	21	20	16 1/2	25	9 1/2	11 1/2		
1906, July.	72 1/2	85	81 9 2 1/2	49 1/2	53 1/2	61 6 1 1/2	31 39	56	60	12.00	14.00	24	25	38	38 1/2	6.40	6.95	20	21 1/2	19	20 1/2	16 1/2	25	11 1/2	
1907, July.	89 1/2	97	96 1/2	1.05 52	55 1/2	60 6 1 1/2	41 46	83	88	17.00	18.50	25	28	36	36 1/2	5.65	6.50	24 1/2	27	24	25	16	22	12 1/2	
1908, July.	84 1/2	92 1/2	96 1/2	1.02 70	78 78	85 51	30	60	72	10.00	10.50	21	23	27	27 1/2	6.15	6.90	22	23	22	23	17	26	10	12
1909, July.	1.06 1 1/2	1.14	1.23 68	74 74	80 80	44 53 1/2	74 83 1/2	12.50	13.50	27	28	36	36 1/2	27	27	7.30	8.30	25 1/2	27 1/2	25 1/2	26 1/2	23	32	13 1/2	
1910, July.	98 1/2	1.12	1.07 1.18	59 59	64 64	38 44 1/2	74 81	86	16.50	21.00	20	21	32	33	33	8.20	9.40	24 1/2	29	27	28	23	33	14 1/2	
1911, Jan.	92 1/2	1.01	97 1/2	1.02 45 1/2	47 52 1/2	53 30	32	81	16.00	20.00	22	23	33	33	33	7.00	8.20	25 1/2	29	25	29	30	48	15 1/2	
Feb.	86 1/2	96	92 9 1/2	45 1/2	48 51	53 30	32	80	15.00	17.50	22	23	33	33	33	7.00	7.60	24 1/2	27 1/2	25 1/2	26 1/2	19	36	14 1/2	
Mar.	84 1/2	91 1/2	92 9 1/2	45 1/2	48 51	53 30	32	85	15.00	17.50	21	22	30	33	33	6.50	7.00	19 1/2	26	22	26	17	28	12 1/2	
Apr.	83 1/2	92 1/2	91 9 1/2	45 1/2	53 52	60 29 1/2	32 90	100	16.00	19.50	18	20 1/2	28	30	30	5.80	6.75	19 1/2	22	21	24	17	21	12 1/2	
May	90 1/2	1.04	96 9 1/2	55 1/2	59 59	63 31 1/2	36 90	1.13	18.50	23.50	18	20	28	31	31	5.70	6.35	21	25	21	23	18	22	10	13 1/2
June	86 1/2	96	94 1.00	53 1/2	59 59	64 35 1/2	43 87	93	20.00	23.50	18	19 1/2	30	31	31	5.75	6.60	21 1/2	24 1/2	23 1/2	23	18	25	10	13 1/2
July.	83 1/2	91 1/2	91 9 1/2	49 1/2	67 63 1/2	71 38 1/2	46 80 1/2	87	22.00	25.00	19 1/2	21	30	30	30	6.40	7.40	24	26	23	26	19	30	11 1/2	13 1/2
Aug.	86 1/2	94 1/2	94 97	6 1/2	65 69	72 39 1/2	42 82 1/2	87 1/2	19.00	24.00	19 1/2	22	30	31	31	6.75	7.75	26	27	26	26	20	31	11 1/2	13 1/2
Sept.	89 1/2	97	96 1.01	65 1/2	69 72	75 42 1/2	46 85 1/2	96	18.00	22.00	20	21	30	31	31	6.10	7.60	26	28	26	26	24	35	13 1/2	14 1/2
Oct.	91 1/2	1.03	98 1.04	65 1/2	75 75 1/2	81 45 1/2	47 98	98	19.00	22.00	20	21	30	31	31	6.00	6.50	28	31 1/2	27 1/2	31	27	50	14	14 1/2
Nov.	93 1/2	99	96 1.01	65 1/2	76 76 1/2	81 44 1/2	47 99	100	20.50	24.00	20	21	27	30	30	6.00	6.55	32	33 1/2	31	33	30	57	15 1/2	15 1/2
Dec.	91 1/2	98 1/2	95 99	63	71 71	6 1/2	45 91	94	20.00	22.00	21	21	27	30	30	5.90	6.50	34	41	36	40	34	41	16	17 1/2
1912, Jan.	93 1/2	1.01	98 1.05	63 1/2	70 70 1/2	73 46 1/2	51 92	96	20.50	23.00	21	21	27	30	30	5.90	6.45	28	35 1/2	37	36	28	48	16 1/2	17 1/2
Feb.	95 1/2	1.03	1.01 1.06	63 1/2	66 71 1/2	74 51 1/2	52 89 1/2	94	20.10	21.50	21 1/2	21 1/2	27	30	30	5.90	6.45	28	35 1/2	37	36	28	48	16 1/2	17 1/2
Mar.	98 1/2	1.05	1.04 1.09	66 1/2	74 73 1/2	78 52 1/2	55 89 1/2	92	20.00	24.00	20 1/2	21 1/2	27	35	35	6.45	7.85	28 1/2	31 1/2	28	30	22	30	17 1/2	18 1/2
Apr.	99 1.17	1.06 1.23	74 81 1/2	79 86 1/2	84 84 1/2	58 1 1/2	91 96 1/2	95 1/2	22.00	26.00	20 1/2	21	30	33	33	7.60	8.05	30 1/2	35 1/2	30	32	21	25	15 1/2	19 1/2
May	1.10 1.20	1.18 1.27	76 81 1/2	83 83 1/2	87 87 1/2	50 58 1/2	98 90 1/2	95 1/2	24.00	28.00	21	21	31	35	35	7.25	7.90	30 1/2	35 1/2	25	31 1/2	20 1/2	24	14	16 1/2
June	1.06 1.13	1.21 1.28	72 76 1/2	78 78 1/2	84 84 1/2	50 53 1/2	75 90 1/2	95 1/2	17.50	25.00	21	21	33	35	35	7.25	7.70	26 1/2	27 1/2	25 1/2	21	27	13 1/2	14 1/2	
July 1	1.07 1.10	1.18 1.19	74 74 1/2	81 81 1/2	83 83 1/2	48 49 1/2	75 75 1/2	90 1/2	17.50	18.50	22	23	35	35	35	7.50	7.60	27 1/2	27 1/2	25 1/2	23 1/2	23	24	14 1/2	14 1/2

September colored—September to April, inclusive; new colored—May to July, inclusive; colored—August.

In a talk on the subject of dairy cleanliness, Dean Webster, of the Kansas College of Agriculture, told a story of a woman who had a sick child. The physician wanted to know something of her ideas of cleanliness, and asked her if she had a bath tub? "Yes," she replied; but she thanked the Lord she never had any use for it.

he cut out below the ground line, and a good handful of salt put on each root. This will kill it. If something like that isn't done, up it springs again very shortly, with a determination, if at first it didn't succeed to produce seed, it will try again. If let alone, it will accomplish it, too, just like the burdock that is cut off above

Ayrshires at The Highland.

In the aged-bull class at the Highland Societies' show at Cupar, the three-year-old Ayr Review, a brown-and-white-colored bull, shown by James Howie, Hillhouse, Kilmarnock, and sired by Knockmurrin Hopeul, was awarded first prize, and was later declared male champion, and grand champion of the breed.

Two-year-old bulls were a strong class, and the premier award went to Robert Osborne's Mortain Mains Prieskan, almost white, bred by exhibitor, and got by Auchenbrain Pluto; he is thus half-brother to the famous Peter Pan. Second award went to Logan's Craigie Lea, from Bargaenoch, Drongan. He was bred by Misses Mair, Craigbrae, and sired by Knockmurrin Hopeul. James Howie had third with Howie's Climax, a Mortain Mains bred son of Auchenbrain Pluto.

The winner in the yearling-bull class was Hubinate, a promising white-and-brown son of Auchenbrain Pluto. Second was Zimbar, a well-grown, handsome son of Auchenbrain Pluto. Both these were shown by Mr. Osborne.

In the class for cows in milk, Alex. Wilson, Paisley, was placed first, with Flirt 13th, a brown-and-white six-year-old, bred at Manswrae, and sired by Newhouse's King Edward. She is a very good stamp of dairy cow, and carries a long, level udder, with big, even teats. Second award went to Alex. Cross, of Knockdon, for Lady Diana, a handsome brown-and-white, nine-year-old cow, by Prince III. C. R. Dudgeon, Cargen Holm, Dumfries, was third, with Cargen Mains Miss Robb, a six-year-old cow by Bonnie Scotland. Three-year-old cows in milk made a small entry, and Alex. Cross was first with Lady Constance, bred by Exhibitor, and got by Muir Royal Review, and out of a Prince 3rd dam, and she is a cow of great size and quality, showing true breed characteristics and big, well-set teats. The second prize fell to Chas. M. Douglas for Mavis, home-bred, and got by the same sire.

In the two-year-old class, Robert Osborne, Morton Mains, had first and second winners in the home-bred Lanugem and Nemourna II. Mr. Osborne also had the winners in the yearling heifer class in Thoughtless Beauty II. and Kymaline II. The champion female was Alex. Wilson's first-prize cow in milk, Flirt 13th.

Bladder Campion Spreading.

It is discouraging to see the way some weeds are spreading. Bladder campion, bell weed, or rattle weed, is one of them. This campion is often wrongly named white cockle, because of its white petals at the end of the bladder-like inflation which surrounds the seed pod. It should be easily recognized by comparing it with the cuts found in the different weed bulletins. It has a very persistent, deep-growing root which is hard to kill. When plants are first noticed, they should