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Last year's sensational champion at Toronto and Ottawa, Sir Belle Fayne, was first in the aged class of bulls. His qualifications to win this prize were not disputed, neither was there another to surpass him for championship honors. Sir Pietje Hengerveld Waldorf, second winner, was in good fit, but he did not show the dairy conformation in the shoulder or quarter as well as the animal in first place. Maudie De Kol Sir James was in poor show-ring condition, and the third ribbon was all he could command.

One bull, two years old, and a yearling were forward. They were both typey and in good fit.

To the call for senior calves responded Johnnie Fayne, Avondale Segis Korndyke, and Vida's Butter Boy. The three were placed in the order named. The first mentioned was qualified to win, for the second was not so strong at the heart, and the third was smaller and shorter in the quarter. In the junior-bull calf class the first and second candidates were promising young sires; the third prize winner was quite young but of good type, while the fourth would show better with a trifle stronger heart girth.

The female champion appeared in the aged-cow class, where Lady Frances Schuiling stood above Alberta's Grace Fayne and Queen Jewel 2nd. The winning cow was champion at Toronto, and her good points do not require a second mention here. Of the two three-year-olds forward, Vic Hengerveld was perhaps a better type of cow than Lunde Posch Cornucopia, but the former cow's udder was not so good and she was placed second.

Nothing sensational came out in the class for two-year-old heifers in milk, but the winning heifer, Ossian Betty De Kol, carried a good udder, and on this point won her place.

Five senior yearlings, of good dairy type, lined up, and the red ribbon went to Cornish Lodge Melba Mercedes, an animal possessing breed type and splendid capacity. Miss Segis Jewel, in second place, was a milky heifer with a well-attached udder. Vida's Princess Viernan was third, and one of the smoothest of the bunch.

Miss B. B. De Boer and Lillia Posch were first and second respectively in a class of five senior calves. Both are good heifers, but the winner showed considerably more promise than the other.

Exhibitors.—Andrew J. Tierney, Metcalfe, Ont.; Hopkins Bros., Cumming's Bridge, Ont.; M. H. Haley, Springford, Ont.; Estate of J. G. Acres, Vernon, Ont.; Cummings & Gosselin, Cumming's Bridge, Ont.; John B. Dowler, Billing's Bridge, Ont.; R. Dowler, Billing's Bridge, Ont.

Awards.—Aged bull: 1, Haley, on Sir Belle Fayne; 2, Hopkins Bros., on Sir Pietje Hengerveld Waldorf; 3, Tierney, on Maudie De Kol Sir James. Bull, 2 years: 1, Haley, on Colantha Butter Boy. Bull, 1 year: 1, Haley, on Sir M'dnight Comet Ormsby. Bull, senior calf: 1 and 3, Haley, on Johnnie Fayne, and Vida's Butter Boy; 2, Cummings & Gosselin, on Avondale Segis Korndyke. Bull, junior calf: 1 and 2, Haley, on Sir Butter Boy Fayne, and Sir Korndyke Beets; 3, Acres Estate, on Echo Posch of Ferndell; 4, Tierney, on King Segis Mercena Alcartra. Aged cow: 1 and 2, Haley, on Lady Frances Schuiling, and Alberta's Grace Fayne; 3, J. B. Dowler, on Queen Jewel 2nd. Cow, 3 years: 1, Haley, on Lunde Cornucopia; 2, Hopkins Bros., on Vic Hengerveld. Heifer, 2 years: 1, R. Dowler, on Ossian Betty De Kol; 2, J. B. Dowler, on Alta Jewel; 3, Haley, on Cornish Lodge Mercedes. Heifer, senior yearling: 1 and 3, Haley, on Cornish Lodge Melba Mercedes, and Vida Princess Viernan; 2, J. B. Dowler, on Miss Segis Jewel; 4 and 5, Hopkins Bros., on Mollie Pietje Hengerveld, and Sylvia Waldorf Princess. Heifer, junior yearling: 1, Haley, on Bessie Butter Baroness. Heifer, senior calf: 1, 2 and 3, Haley, on Miss B. B. De Boer, Lillia Posch and Lady Grace Fayne; 4, J. B. Dowler, on August Jewel. Junior calf: 1 and 2, Haley, on May Butter Baroness, and Baroness Johanna Fayne; 3, Hopkins Bros., on Vic Pietje. Dry cow: 1 and 2, Haley, on Nettie Fayne 2nd, and Daisy Fayne 2nd. Dry heifer, 2 years: 1, Haley, on Miss Aggie Fayne. Champion bull, Haley, on Sir Belle Fayne. Champion cow, Haley, on Lady Frances Schuiling. Get of sire, progeny of cow, and all herd prizes were won by Haley.

**Ayrshires.**—The Central Canada Exhibition usually calls out an exhibit of Ayrshires that will compare favorably with anything on this continent, and the display of 1916 was no exception. Nine breeders were forward with their stock, making keen competition in every class except one. Alf. Kains, Byron, Ont., decided where the ribbons should be placed, and he had the biggest task of any judge in the cattle ring for the Ayrshires far outnumbered any other breed.

The struggle began in the aged bull class where the real contest was between Hillside Peter Pan, Nether-ton Lochinvar and Auchenbrain Sea Foam. The Toronto Champion, the first mentioned bull, finally won the class with Nether-ton Lochinvar in second place. The winner is a trifle too thick to please the critical Ayrshire breeder, but the second-prize bull slopes away in the quarters to such an extent that the judge decided he could not head the class. Apart from that weakness he possessed the best type and was the most breedily looking bull of any in the ring except Hobsland Masterpiece which was not placed on account of being sore in the feet. Auchenbrain Sea Foam was a good bull but a shade coarse. Hillhurst Perfection was smooth and typey, but a little too small to be placed higher than fourth.

Although only one two-year-old, Hobsland Piece-meal, came out, he was the best bull of the breed. He is by Perfect Piece, the sensational champion of

the National Dairy Show, 1914, and possesses many of his sire's good characters with more masculinity than his parent showed as a two-year-old when seen at Chicago.

Burnside Ypres Masterpiece had no difficulty in winning the yearling class. His dairy and Ayrshire type, with splendid depth of rib and good head, which brought him the junior championship at Toronto, were quite as much in evidence in this contest. Hobsland Landlord was a large bull, but inclined to be a trifle thick in the shoulder; however, he was given the second ribbon. Standing third was a well-turned bull, Willowhaugh Just Right.

Eight senior and six junior bull calves were forward. In the former class Hillside Invincible Peter Pan was a straight, deep fellow in first place, and second to him stood Edgewood Purple Heather, smooth and typey.

There was some ground for argument as to how the aged cows should be placed. The judge stood Humeshaugh Kate above Catlin's Derby 2nd and Morton Mains Greenside. This was a decision not quite plain to all, for the winning cow possessed no appreciable superiority as to type or udder, while she had less capacity and not such a useful appearance as the two standing below her. The winner was a typey individual and an exceptionally good cow, but, considering the company she was in, she would not have looked out of place standing third. They were three very nice specimens of the Ayrshire breed and different judges would probably disagree as to the one best qualified to lead the class. White Violet of Monte Bello, showed a splendid length of quarter and a well-attached udder, but she did not have quite so much capacity nor so typey a head as the three above her.

Dalhille Jemmima Jane 2nd, a smooth, well-turned individual was given the honors in the class for three-year-old cows. Hillside Spicy Kate was second and Springburn Violet, with good substance, was third. The three-year-old, Canadian-bred class called up a number of useful appearing cows. Betsy of Lakeside was carrying an immense udder and a conformation that would insure machinery to feed it. Second to her stood Flossie of Monte Bello, a nicely-turned cow. Tidy of Mirabel, a worker, was third, and a dry cow, Burnside Pearl 4th, was fourth.

Six dry cows, three years and upwards, lined-up with Doherty of Monte Bello, standing first. She was a trifle wide in the shoulder, but she had splendid quarters and the best placed teats and udder in the class. Flora, the second winner, was a very typey cow, but she did not carry quite so good an udder as the individual above her. Spicy Lass, a useful, promising cow was third and Craebrae Lady Jean, fourth.

The Toronto champion and best female at Ottawa was found in the two-year-old heifer group where Burnside Maggie Finlayston 5th proved superior to her competitors. She has splendid Ayrshire character and much promise of developing into a grand producer.

Hillside Perfect Lady was selected from twelve yearling heifers for the red ribbon. She was strong, typey and quite promising. Springburn Lady May, the blue-ribbon heifer, was a shade smaller but very tidy, while Lakeside Milkmaid was good in front, but a trifle shorter in the quarter.

Ten senior calves and seven junior calves completed the line-ups in the female department of the breed.

Exhibitors.—Hon. Wm. Owens, Westmount, Que.; Alex Hume & Co., Campbellford, Ont.; R. R. Ness, Howick, Que.; Geo. H. Montgomery, Philipsburg, Que.; Robert Doig, Lachute, Que.; D. T. Ness, Howick, Que.; J. H. Black, Lachute, Que.; Robert Leishman, Lachute, Que.; Chas. R. Rodger, Lachute, Que.

Awards.—Aged bull: 1, Hume, on Hillside Peter Pan; 2, Owens, on Nether-ton Lochinvar; 3, Montgomery, on Auchenbrain Sea Foam; 4, D. T. Ness, on Hillhurst Perfection; 5, Doig, on Victor. Bull, 2 years: 1, Black, on Hobsland Piece-meal. Bull, 1 year: 1, R. R. Ness, on Burnside Ypres Masterpiece; 2, Leishman, on Hobsland Landlord; 3, Rodger, on Willowhaugh Just Right; 4, D. T. Ness; 5, Owens, on Sunrise Masterpiece. Bull, senior calf: 1, Hume, on Invincible Peter Pan; 2, D. T. Ness, on Edgewood Purple Heather; 3, R. R. Ness, on Burnside Flomaster; 4, Doig, on Hugo; 5, Owens, on Riverside Champion 39th. Bull, junior calf: 1, Montgomery, on Ravensdale Kitchener; 2, Hume, on Kitchener of Hillside; 3, Owens, on Riverside Champion 46th; 4, Doig, on Royal Hugo. Aged cow: 1, Hume, on Humeshaugh Kate; 2, Black, on Catlin's Derby 2nd; 3, Montgomery, on Morton Mains Greenside; 4, Owens, on White Violet of Monte Bello; 5, R. R. Ness, on Burnside Dandy; 6, D. T. Ness, on Lochfergus Catherine. Cow, 3 years: 1, R. R. Ness, on Dalhille Jemmima Jane 2nd; 2, Hume, on Hillside Spicy Kate; 3, D. T. Ness, on Springburn Violet; 4, Montgomery, on Lakeside Butterfly; 5, Owens, on Primrose of Riverside. Cow, 3 years and upwards, Canadian bred: 1, Montgomery, on Betsy of Lakeside; 2, Owens, on Flossie of Monte Bello; 3 and 5, Doig, on Tidy of Mirabel, and Blossom again; 4, D. T. Ness, on Burnside Pearl 4th. Heifer, 2 years, in milk: 1 and 5, R. R. Ness, on Burnside Maggie Finlayston 5th and Burnside Lucky Darling; 2, Hume, on Hillside Nan 2nd; 3, D. T. Ness, on Edgewood Nellie Osborne; 4, Montgomery, on Lakeside Susan. Heifer, 1 year: 1, Hume, on Hillside Perfect Lady; 2, D. T. Ness, on Springburn Lady May; 3, Montgomery, on Lakeside Milkmaid; 4 and 5, R. R. Ness, on Burnside Barbara and Burnside Tipperary Blossom. Heifer, senior calf: 1, Owens, on Lady; 2 and 3, R. R. Ness, on Burnside Lady Lucky 3rd and Burnside Maggie Finlayston 6th; 4, D. T. Ness, on Edgewood Pearl; 5, Hume, on Hillside Spicy Kate Again. Heifer, junior calf: 1, R. R. Ness, on Burnside Barbara 2nd;

2, Owens, on Louise of Riverside; 3, D. T. Ness, on Edgewood Viola; 4, Doig, on Dairy Pride; 5, Hume, on Humeshaugh Flossie. Dry cow, 3 years and upwards: 1, Owens, on Doherty of Monte Bello; 2, D. T. Ness, on Flora; 3, Hume, on Spicy Lass; 4, Black, on Craebrae Lady Jean. Dry heifer, 2 years: 1 and 3, Montgomery, on Lakeside Bess and Lakeside Mermaid; 2, D. T. Ness, on Edgewood Prim; 4, Owens, on Betsy. Champion bull: Black, on Hobsland Piece-meal. Champion female: R. R. Ness, on Burnside Maggie Finlayston 5th. Graded herd: 1, Hume; 2, R. R. Ness; 3, Owens. Junior herd: 1, R. R. Ness; 2, Hume; 3, Owens. Four animals, get of sire: 1, Owens; 2 and 3, R. R. Ness; 4, D. T. Ness. Two animals, progeny of cow: 1, Doig; 2, Hume; 3, D. T. Ness; 4, R. R. Ness.

**Jerseys.**—B. H. Bull & Sons of Brampton, Ont., were the only exhibitors of Jerseys but they had a very complete list. From the various classes Brampton Burma King was chosen for champion bull, and Brampton Maitland B. for champion female.

**French Canadians.**—Only one herd of French Canadian cattle were present and these from the stables of Arsene Denis, St. Norbert, Que.

**Grade Dairy Cattle.**—J. H. Black, Lachute, Que., brought out some splendid grade Ayrshires and had everything practically his own way in these classes. Robert Doig won fourth and fifth place in the aged cow class and third place in two-year-old heifers, in milk. Black won the herd prize and Doig second. The awards in this department were made by Geo. B. Rothwell, C. E. F., Ottawa.

#### DAIRY PRODUCTS.

In the Dairy Building was to be found a grand exhibit of butter and cheese, manufactured by some of the best makers in the country. Of the cheese the August white and the June white or colored were pronounced two exceptionally good lots. There was more creamery and less dairy butter than last year. The creamery butter was splendid in quality, while the dairy product was quite up to standard.

Judges.—Geo. Barr, Ottawa, and W. W. Dool, Brockville.

#### CHEESE.

Awards.—August, colored: 1, C. J. Donnelly, Lambeth, Ont., 97.3; 2, G. H. Taylor, Osgoode Sta., 96.6; 3, J. S. Togin, Martintown, Ont., 96.5; 4, B. E. Choffe, Cornwall, Ont., 96.2; 5, D. A. McDonald, Lancaster, Ont., 96.1. August, white: 1, C. J. Donnelly, 98.3; 2, S. Gagnon, Metabetchouan, Que., 98.2; 3, A. Paquette, St. Flavien, Que., 97.9; 4, Leath Tollman, Lockvale, Ont., 97.5; 5, S. Bergeron, Methot's Mills Sta., Que., 97.3. June, white or colored: 1, R. Alguire, Northfield Sta., Ont., 97.4; 2, J. S. Tobin, 97.1; 3, D. McDonald, 96.9; 4, G. Empey, Atwood, Ont., 96.8; 5, C. J. Donnelly, 96.6. Special prize given by the Canadian Salt Ass'n.: 1, C. J. Donnelly, 97.8; 2, D. A. McDonald, 97.1.

#### BUTTER.

Creamery, best two tubs, boxes or firkins: 1, E. Caissy, Bonaventure, Que., 97.9; 2, L. Castonguay, Riviere Bois-Claire, Que., 97.8; 3, F. Vaillancourt, Bonaventure, Que., 97.7; 4, J. A. Allaire, St. Roch C'Ahigan, Que., 97.5; 5, M. Weir, Winnipeg, 97.4. Butter, creamery, prints or fancy packages: 1, Edmonton City Dairy Co., Edmonton, Alta., 98.0; 2, P. Pallesen Calgary Central Creamery, Calgary, Alta., 96.80; 3, Carlyle Dairy Co., Calgary, Alta., 96.75. Dairy, best two tubs, boxes, firkins or crocks: 1, B. D. Young, Masonville, Que., 95.8; 2, W. F. Kennedy, Manotick, Ont., 95.1; 3, Mrs. A. Meldrum, Wyman, Que., 94.6; 4, Mrs. A. Wallace, North Gower, Ont., 94.4. Dairy, best package or basket of prints: 1, Mrs. A. Meldrum, 95.5; 2, B. D. Young, 95.2; 3, Mrs. A. Wallace, 95.1; 4, Mrs. O. B. McLaughlin, Knowlton, Que., 95.

#### THE HORTICULTURAL BUILDING.

The Central Experimental Farms had a very attractive and tastily arranged exhibit in the end of the Horticultural Building, remote from the front entrance. This was divided into departments dealing with bees, cereals, horticulture and plant breeding, field husbandry, poultry, flax, tobacco, botany, chemistry of the soil, animal husbandry and forage plants. Each branch was well set forth by an interesting display, and visitors enjoyed studying the different specialized lines.

Apples made up the greater part of the fruit exhibit, and they were arranged on plates, in cones and in boxes. The quality and color in these entries were good. Vegetables were not outstanding in numbers or quality, but a fair exhibit was there.

A tasty honey exhibit occupied considerable space, and it was well put up.

The open classes for grain and field crops attracted a fair number of entries, which were of a very good character.

#### FIELD CROP COMPETITION AWARDS.

The exhibit of grain and vegetables, selected from competing fields, was of much the same design as was to be seen at the Canadian National. The grain came from winning fields east of Toronto, while the vegetables came from all over Ontario. It was an attractive display, and the quality of the exhibit was exceptional when we consider the adverse farm conditions of the season. Following is a list of awards:

#### SHEAVES.

Oats: 1, Peter Wilson, Cobden, Banner; 2, Samuel Carr, Paris R. R. 2, O. A. C. No. 72; 3, Wm. Nether-