

March 12, 1914.

MANOR FARM

Senior Herd Sire, Prince Hengerveld of the Pontiacs, a son of King of the Pontiacs and from a daughter of Pieterje Hengerveld Count De Kol. Junior Herd Sire, King Segis Pontiac Posch, a son of King Segis Pontiac Alcarita (the \$10,000 bull), and from a 2064 lb. 3 year old.

We will be glad to mail to anyone extended pedigrees of these Sires.

We are offering a limited number of cows in calf to them for sale.

No Heifer Calves for sale at any price.

GORDON S. GOODERHAM

BEDFORD PARK, ONT.

KING SEGIS WALKER

The greatest transmitting family of the breed, holding the world's records for 3, 1 and 2 generations.

I have for sale some of this bull from high record daughters of Pontiac Komedyne, making the greatest and most valuable combination possible to get in the whole Holstein breed. Photo and Pedigree sent on application.

A. A. FAREWELL

OSHAWA, ONT.

It is Most Desirable

that you say, "I saw your adv. in Farm and Dairy." Do this when you write advertisers and take full advantage of Our Absolute Guarantee!

DISPERSION SALE

OF 50 Head of

HOLSTEIN-FRIESIAN CATTLE

And Other Farm Stock

At BROADVIEW FARM, both lines, 2 miles north of WOODSTOCK, at ONE o'clock, on

THURSDAY, MARCH 26th, 1914

Included in this sale are 2 grand-daughters of CORNELIA POSCH, 5 times winner of FIRST 3 GRAND CHAMPION PRIZES at TORONTO and a son of BUTTER BARON and TEMPEST CLOTHIDA MERCEDES. R.O.P. milk 12,447 lbs., butter 750 lbs. Butter Baron's dam, Queen Butter Baroness, is CANADIAN CHAMPION butter cow with 33.7 lbs. in 7 days.

ALL BUT 7 are my own breeding—a nice straight lot of heifers. They all must go as I have sold my farm. Quota-quota ready.

W.M. PULLEN

Auctioneer

W. A. HARTLEY, Proprietor

WOODSTOCK

Who Wants Holsteins

OF

Strength and Capacity

The 15 Offerings of Mathew Armstrong at **THE WOODSTOCK SALE, on MARCH 25th** are good examples of these qualities.

Every animal is large and vigorous and comes from a strong line of breeding.

Their condition will meet with your approval. We want you to closely inspect our stock.

MATHEW ARMSTRONG & SON
TILLSONBURG

HOLSTEINS OF QUALITY

THE HOLLAND OF NORTH AMERICA

The Third Annual Sale of the Oxford District Holstein Breeders' Club

Will be held in the CITY OF WOODSTOCK, on WEDNESDAY, MARCH 25th, 1914

50 HEAD of choice Holsteins will be sold subject to inspection. All cattle are being inspected before accepted to catalogue. Every buyer will have until removal or up to ten o'clock on the day after the sale to examine his cattle, and if they are not as represented your money will be refunded.

W. E. THOMSON, Secretary, R. R. No. 7, Woodstock, Ont.

sugar at 238 to 240, and hard sugar at 242 to 245 degrees Fahrenheit. The boiling point for each of these is lowered one degree for each 500 feet ascent. Since sugar groves are usually at some height above sea level it is necessary for accuracy to test the thermometer in boiling water. At whatever degree the water boils there should be added for syrup 7 degrees, for soft sugar 20 to 28 degrees, and

for hard sugar 30 to 33 degrees. If, therefore, water boils at 210 degrees, the syruping temperature would be 217, the soft sugar temperature 226 to 238, and the hard sugar temperature of boiling. Consequently when the boiling syrup reaches these respective figures on the thermometer it is sufficiently dense to be drawn off for the purpose desired.

The Canadian Seed Growers' Association Convention

LAST year 246 farmers in Canada were selecting and improving crops under the direction of The Canadian Seed Growers' Association. This year there will be over 1,000 men at work. Dr. James W. Robertson, in his presidential address at the annual convention of the Association in Ottawa last week, estimated that this work would add fully \$3,000,000 worth of farm products to the agricultural output of the country. The Canadian Seed Growers do not attempt to hold a big gathering. They prefer to make it representative and last week there were representatives present from one end of Canada to the other. The information contained in the valuable addresses will be published in their annual report, and it is estimated will reach 30,000 homes.

Prof. C. A. Zavitz of Guelph, placed the average yield of alfalfa for 15 years on their experimental plots at 19.9 tons of green crop per acre, and 4.8 tons of dry matter. He made a strong point of growing the hardy strain such as Ontario Variegated and Grimm Alfalfa. Great things were predicted for the Niagara Peninsula as an alfalfa seed growing district. Prof. Smith of Maryland, Prof. Zavitz said, considered it the best place for the purpose in America. Dr. Malte of Ottawa, who led the discussion of Prof. Zavitz' paper, saw great possibilities for producing the seed producing qualities of alfalfa by applying C. S. G. A. methods of selection. Prof. S. B. McCready, who spoke on "What can the Rural School do to Promote an Active Interest in the Production of Pure Seed in Canada," considered that the work of the Association could be best extended by first interesting rural school children in the problems of the farm.

DIRECTORS' REPORT

A year of activity and substantial progress was reported by the directors. Principal of the items of progress was the formation of 53 seed growing centres. From these centres orders had been placed for 1526 bushels of "Elite" seed. Local seed fairs were advocated as a method of advertising improved seed. Sec.-Treas. L. A. Newman reported 117 accepted members and 72 more ready for acceptance who had complied with the requirements of the association; 283 persons had been visited by inspectors, most of whose work was reported upon favorably. His financial report showed that, of the nearly \$7,000 placed

at the disposal of the Association last year, there was a balance on hand of \$323.20.

Mr. T. G. Raynor's chief regret was that so many really good lots had to be turned down because of mixtures of other varieties of the same kind of grain or of other grains. Grain that is inferior in plumpness and grading is often placed ahead simply because it is pure. Often too a good show variety that wins in the grain competition may not be of the kind on which the emphasis should be placed; it may be a poor yielder. Prof. Klink of Macdonald College, read an excellent paper on "Soil management," in relation to yield and quality of seed, which will be published more fully in a later issue. Dr. Charles Saunders of Ottawa, in his address, "Difficulties Encountered in the Propagation of Pure Seed," said that both animals and implements were agents in the work of preventing purity in seed production. As an instance of the care that should be taken he remarked that horses should be fed ground wheat when working on the land.

Seed Commissioner Clark announced that Mr. Burrell, Minister of Agriculture, had made sufficient financial provision that the work of inspecting and sealing the registered seed in bags as well as inspecting the plots in the field, could be carried on by the association without the aid of the seed branch officers in the future.

Officers were elected for the year as follows: President, Dr. Jas. W. Robertson; Directors: Professors C. A. Zavitz, O.A.C., Guelph; L. S. Klink, McDonald College, Que.; and L. A. Moosehouse, Winnipeg, Man.; John Brachen, Saskatoon, Sask.; President, Mr. Cuming, N.S.A.C., Truro, N.S.; Mr. A. E. Howes, Vermilion, Alta.; Narcisse Savori, Scotch Lake, N.B.; Aine, P.E.I.; Pres. W. J. Black, M.A.C., Winnipeg, Man.; G. A. Giguart, Deputy Minister of Agr., Que.; Mr. F. Holden, N.B.; John McInerney, Regina, Sask.; W. Scott, Victoria, B.C.; L. McFarlane, Fox Harvor P.N.S.; George Harcourt, Deputy Minister of Agr., Edmonton, Alta.; Thos. Ross, Charlottetown, P.E.I., and Mr. Austen, Kamloops, B.C.

Fuller reports of many of the instructive addresses scarcely mentioned. Mr. T. G. Raynor, for future issues of Farm and Dairy.

No old worn-out cows, no three-teasers, no scrub bulls, nothing but the best. They are consigned to some of the most noted breeders of the age, and the best lot ever offered the buying public.

Sale at One o'clock in a well-located building. Catalogue on application.

COL. D. L. PERRY, Auctioneer, Columbus, Ohio

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