

GOSSIP.

CALGARY EXHIBITION.

The Alberta Provincial Exhibition, held at Calgary July 5th to 10th, was unfortunate in respect of weather conditions, rain falling, more or less, almost every day. The showing of live stock was well up to the standard.

The judges were: For horses—Alex. Innis, Clinton, Ont., and P. Farrell, Woodstock. Beef breeds of cattle, and sheep—W. A. Dryden, Brooklyn. Dairy breeds, and swine—J. G. Clark, Gilliston, Alta.

In the competition for aged Clydesdale stallions, Baron Kerr, owned by Hallman & Sons, Airdrie, was the winner. In the three-year-old class, Main Spring, shown by D. Clark, was first. J. A. Turner's Economist was a popular winner in the two-year-old section, and the same exhibitor was first in the yearling section, with Proud Descent. Turner's Lady Bountiful won in the brood-mare class, and his Proud Beauty was first in the dry-mare class, and champion female, while his two-year-old Economist was champion stallion.

J. A. Turner and T. A. Cox, Brantford, were the principal exhibitors of Hackneys, the former being first in three-year-old stallions, with Seaham Mason, and Cox second, with Langton's Colonel.

In Shorthorn cattle, Jas. Caswell's aged bull, Spicy's Wonder, was first and male champion. C. T. Lyall's Baron's Voucher, won in the two-year-old section. Jas. Wilson's Bonnie Favorite led in the senior-yearling class, and C. F. Lyall's Baron Strome, in the junior class. In the aged-cow class, the roan cow, Miss Trout, shown by Lyall, was first; Caswell's Fairy Princess, second, and Lyall's Juanita, third. Miss Trout was champion female.

In the Aberdeen-Angus class, Geo. C. Melson, of Olds, won first in aged bulls with Gaylawn, captured the male championship with the same animal, and had the champion female in Jetty 2nd, which was first in cow class. Lew Hutchinson, Duhamel, showed a fine representation of his grand herd, and won a good share of the prizes, including first for yearling heifer and heifer calf. Galloways were well shown by E. D. Adams, Calgary, his herd being in fine condition.

Alberta is fast making a reputation as a dairy country, and the leading dairy breeds were well represented. In Holsteins, W. J. Tregillus, Calgary, and Thos. Laycock & Son, were the principal competitors, the latter winning in aged bulls and male championship, with Douglas, and also first in the yearling class, with Sarcastic Bob, bought at the Munroe dispersion sale at Winnipeg, O. Rosenberger, of Airdrie, Alta., being second in the latter section with Aggie Rosa Prince. Tregillus was second in the bull calves, and third in yearlings; also first in aged cows with Lady Fay Lulu, who was also female champion. Laycock was first for aged and junior herd, and Tregillus second.

Ayrshires made a good showing, and created considerable interest, the principal exhibition being A. H. Trimble and J. J. Richards, both of Red Deer, the former having the champion bull and female, and winning first in the herd competition, Richards winning for young herd, the get of one sire.

In Jerseys, the famous herd of B. H. Bull & Son, Brantford, Ont., was strongly represented, winning all the prizes except one second, which was for two-year-old heifer, and which went to T. Laycock & Son.

Sheep and swine were seldom more largely represented at Calgary. In Shropshires, J. A. Turner, D. Brown, H. W. Watkin, and T. A. Cox, Brantford, Ont., were exhibitors, the first named having sweepstakes pen and champion ewe Cox secured a first and a second prize, Watkins a number of seconds, and Brown several firsts.

T. A. Cox had the winners in Hampshires, while in Oxfords, the winners were Bryce Wright, De Winton, and Jas. Jones, Calgary.

In swine, T. A. Cox and Lew Hutchinson divided the prize list in Berkshires, Cox winning the championship. Glen Bros., Lindsay, and W. J. Tregillus,

Calgary, had the Yorkshire exhibit, and J. Caswell, Saskatoon, showed Tamworths.

Official records of 122 cows were accepted by the American Holstein Association during the period from May 16th to June 22nd, 1909. This herd of 122 animals, of which the usual one-half were heifers with first or second calves, produced in seven consecutive days 49,436.6 lbs. of milk, containing 1,712.3662 lbs. of butter-fat; thus showing an average of 3.46 per cent. fat. The average production for each animal was 405.2 lbs. of milk, containing 14,036 lbs. of butter-fat; equivalent to 57.9 lbs. or 28 quarts of milk per day, and 16½ lbs. of the best commercial butter per week.

I take pleasure in informing you that I have just received from Archibald MacNeillage, Secretary of the Clydesdale Horse Society of Great Britain and Ireland, a letter in which he compliments the Clydesdale Horse Association of Canada upon the character of Vol. 16. "It is a record of big work," he says. "I am very glad to have the volume." I also take pleasure in the statement that Canada is again piling up a record year in Clydesdale registration. There is little further doubt but that the present will be the biggest year yet.—J. W. Sangster, Secretary.

Profitable Sewage Disposal.

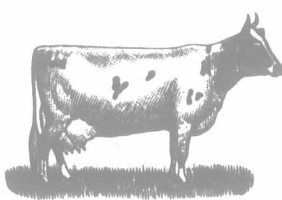
The meetings of the Seventh International Congress of Applied Chemistry, recently held in South Kensington, have been full of interest, but perhaps no subject with which they have dealt concerns the general public more closely than sewage disposal. A paper read before the Hygienic Section, describes a system which unites the elimination of undesirable products from sewage intended for use as fertilizer with utilization of these very products for the purpose of making commercial profit.

At present, the contents of sewers are, in some towns, discharged into large tanks, where solids are settled out, forming a "sludge" containing about 90 per cent. of water. This is filtered, reducing it to a cake which contains only about 50 per cent. of water, which is usually dumped on land especially secured for the purpose. As the writer of the paper points out, however, a city of 100,000 will produce something like 30 tons of sludge per diem; the cost both for land and cartage becomes tremendous, and the land used for dumping is unfitted for building purposes.

When the sludge is used as manure, it necessarily creates a nuisance to the neighborhood, in the course of decomposition; to this objection is added another, namely, that while the chemical composition of the sludge would indicate considerable fertilizer value, this is greatly diminished and in some cases quite extinguished by the presence of large quantities of fatty matter, grease and soap. These come chiefly from domestic sources, the washing of dinner dishes providing much grease, while practically all the soap used in the country (the estimate for England is 4,000,000 tons annually) ultimately finds its way into the sewers.

It is from the recovery of the valuable fatty acids contained in the soap that the process now recommended derives a large part of its revenue, the remainder coming from the residue of the sludge cake, the fertilizing value of which can now be realized, while the resulting manure is also sterilized and odorless, so that it can be stored or used without creating any nuisance. It takes the form of a dry powder, fine as flour, containing nitrogen equal to 8 per cent. of sulphate of ammonia, and other chemicals, together with about 40 per cent of partly-decomposed organic matter.

The system is as follows: The sludge cake, having been dried by heat, is mixed with a little acid and passed through a specially-designed retort in which it is subjected to a current of superheated steam, which carries away with it the fatty acids to be condensed in a water-cooled tower. The fat can be easily and cheaply purified, yielding a grease rich in stearic acid—a valuable commercial chemical. The average profit for a city of 100,000 is estimated at, roughly, \$12,500.



Stoneycroft Ayrshires

Choice young bulls and heifers of the very best breeding, combining show and dairy quality.

Large Improved Yorkshire Pigs from imported sires and dams, now ready to ship.

Stoneycroft Stock Farm, Ste. Anne de Bellevue, Que.

Stonehouse Ayrshires.

36 head to select from. All imported or out of imported sire and dam. For sale: females of all ages. Am now booking orders for bull calves. HECTOR GORDON, Howick, Quebec.



A BETTER LOT OF AYRSHIRE Cows and Heifers

Were never to be seen before at Stockwood. Deep milkers, good teats; lots of size, just the kind for foundation stock. Young bulls from prizewinning dams; also heifers. Prices low. Terms to suit purchaser. All stock guaranteed before shipping.

D. M. WATT, St. Louis Sta., Que.

AYRSHIRES AND YORKSHIRES!

Kindly send in your orders at once for imported stock. We can cable orders and have them shipped in May. Calves from imp. dams or from home-bred Record of Merit dams. Females any age. A few young pigs.

ALEX. HUME & CO., MENIE, ONTARIO.

HOARD'S STATION, G. T. R.

Phone in residence.



UTILITY GLENORA OF KELSO = 15798 = AYRSHIRES at head of herd. For sale: Females of all ages, and several young bulls, some out of 11,000-lb. cows. Come and see, or address: R. C. CLARK, Hammond, Ont. Railway station, Hammond (G. T. R. and C. P. R.).

CHERRY BANK AYRSHIRES.

I am now offering young bulls and heifers—true to type and high in quality. Some with imp. sire and dam; also will spare a few older females. P. D. McArthur, North Georgetown P. O., Que. Howick station, Que.

Springhill Ayrshires

Present offering: A number of high-class bull calves, out of imp. sire and dams. Females all ages, imported and home-bred. Write your wants. Visitors always welcome. Phone connection.

Robt. Hunter & Sons, Maxville, Ont.



Ayrshires

Two young bulls, 12 months and 15 months old, of true dairy type. Very fashionable. N. DYMENT, CLAPPISON'S CORNERS, ONTARIO.

Ayrshire Cattle—Imported or Canadian-bred, factation guaranteed. For particulars, write:

W. THORN, Lynedoch, Ont. Trout Run Stock Farm.

Brampton Jerseys

Canada's premier herd. Dairy quality. Bulls all ages for sale, from best dairy and show cows in Canada, and by best sires. Our herd is 175 strong.

B. H. BULL & SON,

BRAMPTON, ONT.

Pine Ridge Jerseys—For Sale: (Earl Den- ton head of the herd.) Females, all ages. Yearling bull and a bull calf, 5 months, from a 10,000-lb. cow. Can spare also a few young cows and heifers due to calve soon. WM. WILLIS, Pine Ridge Farm, Newmarket, Ont.

BUSINESS HOLSTEINS! Over 60 head to select from. Milk yield from 60 to 85 lbs. a day, and from 35 to 47 lbs. a day for 2-yr.-olds. There are 10 2-yr.-old heifers, 8 1-yr.-olds, and a number of heifer calves. Bulls from 1-yr.-old down. Prices right. Truthfully described. W. Higginson, Inkerman, Ont.

Please Mention Farmer's Advocate.

Holsteins

FOR SALE: COWS AND HEIFERS

All ages. Also bull and heifer calves, including daughter and granddaughters of Pieterje Hengerveld Count De Kol, whose TWO famous daughters made over 32 lbs. butter each in 7 days, and sire of the "world's champion milking" De Kol Creamelle, which gave 119 lbs. in one day, over 10,000 lbs. in 100 days. Also for sale daughters of De Kol's 2nd Mutual Paul, sire of Maid Mutual De Kol, which gave over 31 lbs. butter in 7 days, also granddaughters of Hengerveld De Kol. Other leading breeds represented. Putnam station, near Ingersoll.

H. E. GEORGE,

CRAMPTON, ONTARIO.

HOMEWOOD HOLSTEINS

For Sale: Only thrifty bull calves from 4% R. O. M. cows; some will make great herd headers and show animals. Write for prices and description. Station on the place.

M. L. & M. H. HALEY, Springfield, Ont.

MAPLE GLEN For sale: Only 1 bull, 11 months old, left; dam is sister to a 26-lb. tested cow. Any female in herd for sale, 7 with records 20¾ to 26¾ lb. official tests. An 8-yr.-old G. D. of Paul Beets De Kol, in calf to Oakland Sir Maida—her record 21.88 as a 5-yr.-old. Price \$400, or will dispose of herd en bloc, a great foundation privilege. G. A. Gilroy, Glen Buell, Ont. Long-distance phone connects with Brockville.

Lakeview Herd head-count Hengerveld Fayne De Kol.

the ONLY BULL in the world whose sire has 5 daughters averaging over 30 lbs. of butter in 7 days, and whose dam (26.30 lbs. in 7 days) has a daughter with a record of over 35½ lbs. of butter in 7 days (world's record). Bull calves and cows bred to him for sale. LAKEVIEW FARM, BRONTE, ONT. W. D. Brecken, Mgr.

FAIRVIEW HERD HOLSTEINS

The greatest A. R. O. herd of in northern New York. Headed by Pontiac Korndyke, the greatest sire of the breed, having five daughters whose seven-day records average 29¼ pounds each, and over 4.5% fat. Assisted by Rag Apple Korndyke, a son of Pontiac Korndyke, out of Pontiac Rag Apple, 31.62 pounds butter in 7 days, and 124.56 pounds in 30 days, at 4 years old. Cows and heifers in calf to the above two bulls for sale, also young bulls sired by them out of large-record cows. Write or come and inspect our herd. E. H. DOLLAR, Neuveville, St. Law. Co., N. Y., near Prescott, Ont.

HOLSTEINS and YORKSHIRES

FOR SALE R. Honey, Brickley, Ontario, NORTHUMBERLAND COUNTY.

Bulls fit for service, from cows with large records. Sows fit to mate, also young pigs, both sexes, of the very best bacon type. Prices reasonable.

DON'T Buy a HOLSTEIN BULL till you get my prices on choice goods from five months to one month old, from best producing strains. "Fairview Stock Farm." FRED ABBOTT, Harrietsville Ont.