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which allows free inflow of water and prevents inflow of sand, for bored wells in water sand. Low Draft Filters used in connection with my patent. Sand and gravel (column) system of procuring a good flow of water from water sand. Lock Filters, for preventing inflow of sand in deep-drilled wells. Sand Pumps for pumping sand out of deep-drilled wells. Atmospheric Pressure System of elevating and storing water, thus greatly increasing the amount of water that can be taken from wells at slow feed. Stockmen's Syringe Pumps, made of hard aluminum. There are none so simple, better, nor more sanitary. Tools for lifting lost pumps out of deep-drilled wells. which allows free inflow of water and prevents in-

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19 Bulls—Holsteins

From 18 months down. Grandsons of "King Fayne Segis," "King Segis Pontiac," "Rag Apple Korndyke 8th—the best of the breed. Write us giving particulars as to your requirements.

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Walnut Grove Holsteins

Herd headed by May Echo Champion, full brother of May Echo Sylvia, who made 36 lbs, butter in seven days. Females for sale from one year old upwards. Prims right for quick sale.

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Bulls, Bulls—We have several young Holstein bulls for sole, just ready for service. Sired by the great bull, King Segis Pontiac Depheate, and our minor herd bull, Pontiac Hengeredd Peterie, and from high testing dams. Prices low for the quality—Write and get them. Manchester, G.T.R., and Myrtle, C.P.R. stations. Bell Phone.
R. W. Walker & Sons, R. 4, Port Perry, Ont.

Questions and Answers. Veterinary.

Crippled Cow.

Cow eats and milks well, but does not want to stand up. When she walks she goes very sore on her hind legs and tries to walk on her toes. When turned on pasture she returns to the barn and lies down after about 10 minutes.

N. P. W. Ans.—The symptoms indicate foul in the hind feet. Keep her in a thoroughly dry, comfortable box stall; cleanse the hind feet thoroughly, especially between the clouts. Keep poultices of hot linseed meal to the feet until the acute soreness disappears. Then, if there are any raw surfaces dress them three times daily with carbolic acid 1 part, sweet oil 30 parts. V.

Infectious Diarrhœa-Mammitis.

1. For nearly a year we have had trouble with our calves taking diarrhœa

when a day or two old, and dying.

2. During the last few years we have also been troubled with an apparently contagious udder trouble. A quarter will become affected and give curdled milk and we have trouble in preventing the teat closing with a scab at the point, or a lump within the teat.

3. Are the two diseases related? H. G

Ans.-1. This is an infectious form of diarrhœa, due to a germ that exists in the stable, entering the navel open-ing and gaining the circulation. Thoroughly disinfect the stable by sweeping and dusting thoroughly, and then giving a thorough washing with a hot 5-per-cent. solution of crude carbolic acid, or if whitewash be not objectionable give a thorough coat of hot lime wash with 5 per cent. crude carbolic. The whitewashing a few days after the washing gives more thorough disinfection. Get a solution of corrosive sublimate, 20 grains to a pint of water and dress the navel as soon as possible after birth and 4 or 5 times daily afterwards until healed. If the calves are fed by hand, add to the milk one-quarter of its bulk of lime water. Mix 1 part formalin with 15 parts water, and if a case appears add a teaspoonful of the mixture to each part of milk taken.

2. We do not think the udder trouble

is contagious. The predisposition to little tumors forming in the teats is to a great extent congenital. A cow that is troubled this way will produce heifers predisposed to it. The usual treatment for mammitis is the administration of a purgative of 1 to 2 lbs. Epsom salts and 1 oz. ginger and following up with 6 drams nitrate of potassium twice daily for 2 days. Bathe the udder well frequently with hot water, and after bathing rub well with camphorated oil. Milk four times daily until the milk becomes normal. If scabs form, dress three times daily with oxide of zinc ointment. If little tumors form on the teat a veterinarian may operate successfully with an in strument especially designed for the purpose

3. The diseases have no connection.

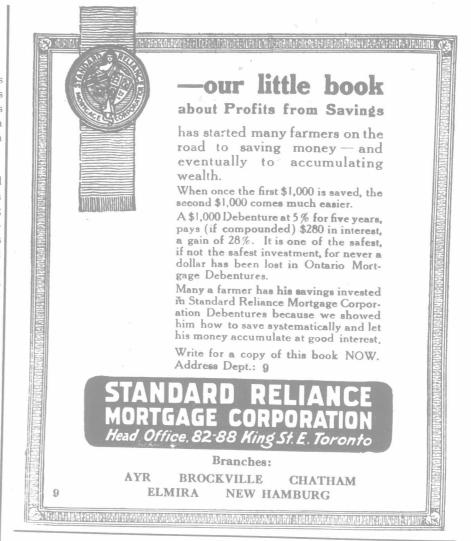
Miscellaneous.

Lame Colt.

I have a three-year-old colt very lame when I take him out, and when drive him a short distance he gets better. He is lame on the fore foot He was lame when a foal the first year and got over that, and last winter he got bad again. I had the veterinarian examine him and he told me to blister him and I did, but it did him no good What do you advise, or do you think he will get better. There is no swelling or heat to notice.

D. McE.

Ans.—If the colt was examined by a qualified veterinarian it would be ad visable to follow his advice. Blistering is the remedy generally applied for lameness of the leg or foot when the bond is involved. One application may no blister several times From the symptoms given it is difficult to diagnose the case without seeing the animal.



The only herd in America that has two sires in service whose dams average 119 lbs. milk a day and over 35 lbs. butter a week. Cows that will give 100 lbs. milk a day are what we are trying to breed. At present we have more of them than any other herd in Canada. We can supply foundation stock of this breeding. Visitors always welcome. Long-distance Phone.

D. C. FLATT & SON, R. R. 2, Hamilton, Ont.

King Segis Pontiac Paul 15940

WE have for sale a few sons of the above bull, ready for service, and whose dams are large, heavy-producing cows. Here is an opportunity to get the blood of KING SEGIS and KING OF THE PONTIACS at reasonable prices. Correspondence solicited.

Also Berkshire Yorkshire Swine

Larkin Farms

Queenston Ontario

Dumfries Farm Holsteins—Think this over—we have 175 head of Holsteins, 50 cows milking, 25 heifers due to calve in the fall, and 60 heifers, from calves up to 2 years, as well as a dozen yearling bulls, and anything you may select is for sale. Breeding and individuality the very best.

S. G. & ERLE KITCHEN, St. George, Ontario

Lakeview Farm, Bronte, Ont., Offer for sale, sons and grandsons of 100-lb cows; one is out of a 24.56 lb. 3-year-old daughter of Lak.view half brother to L. D. Artis, 34.66-lb. Canadian champion senior 3-yr-old. Terms to suit purchaser. MAJOR E. F. OSLER, Prop. T. A. DAWSON, Mgr.

Clover Bar Holsteins A splendid 14 mos. old son of Minnie Paladin Wayne, who milk in 7 days. Her 2-year-old record was 22.33 lbs. For type and color he is second to none. Also her 3-weeks-old bull calf and a few others from good R.O.M. dams. R. R. No. 3, STRATFORD, ONT.

Evergreen Stock Farm High Class Registered Holsteins. We keep nothing but the attractive, profitable and producing kind. Just now we are offering a choice young bull 10 months old and ready for light service. The records of his dam and sire's dam average 25 lbs. butter in 7 days and 85 lbs. of milk per day. Moreover he is a show bull with just a little more white than black. First cheque for \$100 takes him.

A. E. HULET,

NORWICH, ONT.

For Sale---Sons of King Segis Walker

From high-testing daughters of Pontiac Korndyke. Photo and pedigree sent on application. A. A. FAREWELL OSHAWA, ONTARIO

Pioneer Farm Holstein Herd Has only one ready-for-service son of Canary Hartog. whose three near dams, one of these at ten years old, son of Calamity Snow Mechthilde 2nd, a 22.86 lb, jr. 3-yr-old daughter of Prince Aaggie Mechthilde, who has 7 ir. 2-year-old daughters averaging 14,800 lbs, milk in R,O.P. Walburn Rivers, R, R, No. 5, Ingersoll, Ontario, Phone 343 L, Ingersoll Independent.

M. L. Haley & M. H. Haley

For Sale Only three bull calves from our senior herd sire and a few from the junior herd sire left. In these is combined some of the richest testing blood of the breed. Also females of all ages, 75 or 80 head from which to choose.

Springford, Ontario Hospital for Insane, Hamilton, Ont. For Sale—Holstein bulls, varying in age from 1 to 11 months, from Merit dams, and the grand bulls, Sir Korndyke Wayne De Kol, grandson of Pontiac Korndyke, or Lakeview Dutchland Le Strange, a grandson of Count Hengerveld Fayne De Kol. Prices right.

FAIRVIEW HOLSTEIRS

For Sale—two bulls, mostly white, one 15 months other 11 months, from tested dams. Six 2-yr-old heifers bred to freshen next fall and early winter. FRED ARROTT R. R. No. 1, Mossley, Ont

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