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It takes 400,000 cars to carry Fertilizers to our farmers every season. Forty per cent.—2 cars out of 5—is Filler. Order higher grades and Nitrate of Soda for your active Nitrogen and save freight.

The greater producing capacity of high-grade fertilizers without much filler means bigger out-bound tonnage for railroads and bigger purchases by farmers.

Send for "Cost of Available Nitrogen."

DR. WM. S. MYERS, Director 25 Madison Ave., New York



Raised Without Milk!

Her name is "Daisy" and her owner, W. A. Riddle, of Chapin, Iowa, raised her on Blatchford's Calf Meal, which costs less than half as much as milk.

Blatchford's Calf Meal

A useful preventive of scouring. Calves raised "The Blatchford's Way" are heavier, bigger-boned and healthier. Known as the complete milk substitute since the year 1875. Sold by your dealer or direct from the manufacturer.

Blatchford's Pig Meal insures rapid, sturdy growth of young pigs at weaning time. Prevents scab. See Actual Figures—based on results—that show you how to increase your calf profits. Write today.

Steele Briggs Seed Co., Dept. 68, Toronto, Ont.

Pure-Bred & Registered Jerseys For Sale

"Banar Beauty" coming two years old, in calf to Island Noble Eminent (imp.) to calve in May. Brampton Cream Rose (imp. in dam) 4 year old, awarded 1st at Toronto Exhibition as yearling.

FOR SALE

Three Pure-bred Registered Jerseys. One cow eight years old to freshen first of May, a beauty; one cow three years old on May 15th, just fresh; one bull calf one month old, sire "Edith's John Polo". Write at once for pedigree, price and other information.

E. A. SMITH,

486 Talbot St., St. Thomas, Ontario

JERSEY BULL

3 years, sure breeder and a splendid animal. Price low.

G. RANSFORD CLINTON, ONT.

Jerseys for Sale—I am offering two very fine Jersey bulls, age 10 and 12 months, also heifer calves from imp. sire and high-testing dams. To prevent inbreeding will sell my stock well. De La Roche Duke (imp.). Prices right. CHAS. E. ROGERS, Ingersoll, Ont.

Lakeside Ayrshires

Several young bulls for sale from Record of Performance dams, imported and Canadian-bred, sired by Auchinbrain Sea Foam (imp.) 18758, grand champion at both Quebec and Sherbrooke. Write for Catalogue.

GEO. H. MONTGOMERY, Proprietor, Dominion Express Bldg., Montreal Que. D. McArthur, Mgr., Phillipsburg, Que.

STOCKWOOD AYRSHIRES

Bred by my royal-bred and prize-winning bull, Whitehall King of Hearts, Imp., for sale are in all heifers and young bulls, out of Imp. and big milking cows.

M. M. Watt, St. Louis St. P. O., Quebec.

High-Class Ayrshires

If you are wanting a highly-bred young bull out of a 50-lb.-a-day and over cow, imported Canadian-bred dam or sire, write me. Female all ages. Prices are easy.

A. MacFARLANE, KELSO, QUEBEC.

Questions and Answers Miscellaneous.

Layout of a Stable.

We intend building a barn this summer. I would like to get your advice on laying out the stables. The barn is to be 36 by 80 feet, with a 14-foot mow at the north end, and a 14-foot barn floor. The rest is for stables. We plan on a 1-foot cement wall for foundation. We intend having sixteen cows on the west side facing the center and five single horse stalls, one box stall, and a granary on the east side, with a gangway in the center.

- 1. What length should the horse stalls be, including the manger?
2. What width should the walk be behind the horses?
3. What size will the box stall and granary be?
4. What will be the width of the gangway and cow manger?
5. What will be the length of the cow stalls?
6. What width will gutter and walk be?

Ans.—The plan of the stable you anticipate building should work out fairly satisfactory. A stable 36 by 52 feet can be arranged to accommodate the amount of stock mentioned. Allowing 3 feet for each cow, there will be 4 feet left at one end for a passageway. Five horse stalls, box stall and granary can be arranged on the east side of the stable. Twelve feet should be allowed for stall and manger. Six feet gives a fairly good width of passage behind the horses, but more room would be better. The box stall can be made 9 by 18 feet, thus leaving a space 18 by 18 feet for a granary. Behind the cattle will be a 4 1/2 foot passage and 1 1/2 foot gutter. The stalls can be made 5 feet long, the manger 2 feet wide, and 5 feet will then be left for feed-room. This arrangement allows for no waste space, and sufficient room is left for a passageway both in front and behind the stock.

Meat Food for Hens—Rations for Calves.

- 1. Will it do hens any harm to eat all the Meat Meal they want from a self-feeder or is it better to feed meat food in a mash? Is it as good a meat ration as beef scraps? What causes hens to lose the use of their legs?
2. What is the best feed for young calves? Is oil-cake meal good to feed in the calves' milk and if so how much at a feed?
3. Do you think early tomatoes will grow as well and ripen as early on black loam as they will on sandy land?
4. Do you think that land will fall in price after the war?

Ans.—1. A certain amount of meat food is necessary for hens during the winter months. The hens may not eat more than they require if allowed to secure the supply from a self-feeder, but it is doubtful if this method is economical with all breeds. The amount for each bird can be governed when feeding meat food in a mash. Some poultrymen prefer one kind some the other. Rheumatism, caused by exposure to cold or dampness, may cause fowl to lose the use of their legs.

2. Whole milk is the best, but thrifty calves are raised on skim-milk alone with rolled oats, linseed meal and clover or alfalfa hay. Oil-cake meal is good feed for a calf being raised on skim-milk, as are also some of the prepared calf meals. It may be fed with the milk or possibly it gives as good results when fed dry. A handful twice a day or from one-half to one pound a day would be sufficient.

3. For growing early tomatoes sandy soil is preferable to black loam. 4. The future will reveal that. It is not likely that good land in the older sections will drop.

James Begg, Ayrshire breeder of St. Thomas, Ont., writes:

"Our old stock bull Bonnie's Messenger has qualified for the Record of Performance, his first four daughters having made their two-year-old records. We do most of our milking during the winter and the cows have never done better. They were all tested at different times, the lowest test was 4.2 per cent. fat, our best cow testing 5 per cent. fat, 7 weeks after freshening."

McClary's Blue Flame Oil Stoves make good "Goodies" quickly. No hot summer kitchens. No wicks to trim—no valves to leak—safe, simple, economical, reliable. Costs less than a cent per hour per burner.

McClary's FLORENCE OIL COOK STOVES

You can have a slow simmering fire on one burner and a quick hot fire on another and also two others regulated exactly to any heat you want. Just set the levers to exactly the heat you want—you can go away for hours and find all the burners giving exactly the same heat when you come back. That is because the oil supply is automatically kept constant.



GOODY! GOODY!

LONDON TORONTO MONTREAL WINNIPEG VANCOUVER HAMILTON ST. JOHN, N.B. CALGARY EDMONTON SASKATOON 826

THIS ACTUALLY HAPPENED



Here's positive proof of the strength of Peerless Fencing. This actually happened. We don't ask you to take our word for it. Read what the owner says. Here's his letter:—

Dear Sirs: I am writing a testimonial as to the strength of your Peerless Junior Chicken Fencing. Mine is four feet high. It turned two horses, each weighing 1400 pounds. They ran full tilt into the fencing about 2 rods from each other at the same time. The result was that they turned a somersault over the fence, alighting on their heads and necks, scratching them up some, but the fence remained intact. Yours truly, Joe Boothroyd, Surrey Center, B. C.

Think of it! A dead weight of nearly a ton and a half coming with violent force against our poultry fencing—not field fencing—and yet

Our PEERLESS Junior Poultry Fencing Held

What greater test can you ask? We build it stronger than is necessary under ordinary circumstances. We build it of Open Hearth steel wire with all the impurities burned out and all the strength and toughness left in. Well galvanized. Every intersection is locked together with a Peerless Lock. Top and bottom wires of Peerless Poultry Fencing are heavy—extra strong. Consequently, fewer posts are required. Peerless fencing can't sag—can't get out of shape—can't help giving absolute satisfaction.

Catalog giving details on request. Describes our poultry, farm and ornamental fencing, also Peerless farm gates.

Agencies almost everywhere. Agents wanted in all unassigned territory.

The Banwell-Hoxie Wire Fence Co., Ltd.

Winnipeg, Manitoba Hamilton, Ont.



THE WOODVIEW FARM JERSEYS

LONDON, ONTARIO John Pringle, Proprietor

Canada's Most Beautiful Jersey Herd—Half the herd imported from the Island of Jersey. Several cows in the Record of Merit and others now under official test. Some very choice stock for sale. When writing, state distinctly what you desire or, better still, come and see them. Farm just outside city limits. We work on show cows and show our work cows.

Brampton Jerseys

B. H. BULL & SON

We are busy. Sales were never more abundant. Our cows on yearly test never did better. We have some bulls for sale from Record of Performance cows. These bulls are fit for any show-ring. BRAMPTON, ONTARIO

DON JERSEYS

Special Offering—A few choice yearling bulls fit for service, also heifer calves six months old, sired by Eminent Royal Fern. Write for what you want. D. DUNCAN & SON, Todmorden, R.R. No. 1, Duncan Sta., C.N.O.

City View Ayrshires

Forty head to choose from. No reserve on females over two years. Fourteen young heifers coming on for young herd. Four choice young bulls fit for service, from record sire and dams. Prices reasonable. Eggs for setting (R. C. and S. Rhode Island Reds), 27 prizes, 8 specials and 2 silver cups at 3 shows. Write or call. JAMES BEGG & SON, R.R. 1, St. Thomas, Ont.