

## DRUMMOND Sells Dairy Supplies by Mail Cheaper Than You Can Buy Anywhere Else and Guarantees the Goods



4-Bottle Machine Complete, \$5.50

Used by all the Gov't Testing Stations. This 4-bottle Tester is the same as carried by all the Canadian Gov't Testers, who travel all over the country on their official trips. It is extremely simple in construction and operation. The working parts consist of but two cut gears and they are enclosed in a cast iron case to keep them free from dirt and to prevent their catching clothing, towels, etc. It turns easily without vibration or jar. It is sent complete with glassware, bottle brush, acid, and full directions for use. It will pay you to have this tester whether you milk 3 or 30 cows.

4-bottle Tester - \$5.50 2-bottle Tester - \$4.25

### Beaver Coolers and Aerators

Milk should be cooled as soon as possible after being drawn from the cow. The Beaver Cooler will cool the milk to within 2 degrees of the temperature of the water. The Beaver also acts as an Aerator and expels all foreign odors. Insures sweeter, longer-keeping milk. Hanging wall style. Capacity 125 quarts per hour.

Write NOW for FREE Catalogue

Everything you need fully described and illustrated, so you can buy in the money-saving, time-saving way. Sent FREE on request if you write

**W.A. DRUMMOND & CO.**

217 King Street E. - - - Toronto

The Dairy Car on the Ontario Government Demonstration Train was Equipped Entirely with "Drummond" Supplies.

### The Beaver Babcock Tester

Used by all the Gov't Testing Stations. This 4-bottle Tester is the same as carried by all the Canadian Gov't Testers, who travel all over the country on their official trips. It is extremely simple in construction and operation. The working parts consist of but two cut gears and they are enclosed in a cast iron case to keep them free from dirt and to prevent their catching clothing, towels, etc. It turns easily without vibration or jar. It is sent complete with glassware, bottle brush, acid, and full directions for use. It will pay you to have this tester whether you milk 3 or 30 cows.

### Sterilac Sanitary Milk Pail

Note its clever construction. The funnel is detachable. As the milk falls on the slant towards the milk, it passes direct through the strainer into the pail. All dirt falls on a deep shelf inside the funnel—not on the strainer—thus milk and dirt never come in contact. You can use ordinary cheese cloth for straining. Capacity 14 quarts, no joints on the inside, it is easily cleaned. Price \$2.50. Used by all up-to-date farmers and dairymen.



Capacity 14 Quarts  
Price \$2.50

### Other Things You Need in the Dairy

Decimal Milk Scale { 30 lbs. by oz. \$3.50, by tenths - \$4.00  
60 " " " " \$4.50, " " " " \$5.00  
Straight Spring Scale { 25 lbs. - - - - - 38c.  
50 lbs. - - - - - 59c.  
Sterile Atmospheric Milk Fever Outfit. Cures 90 per cent. of milk fever cases. Complete - - - - - \$3.00  
Hard Milker Outfit in Handsome Case, contains Bistoury, Teat Opener, Teat Expander and Milking Tubes - - - - - \$3.00  
Cattle Trocars for Bloat, nickel plated - - - - - \$1.50

### EVERYTHING FOR THE DAIRY

#### This is Our GUARANTEE

We guarantee all our goods to be and do as we say. If you have trouble in getting results, or if there is any defect in what you buy, let us know and we will adjust it satisfactorily.

### QUESTIONS AND ANSWERS. Miscellaneous.

#### DOG HAS FITS.

1. We have a collie dog that sometimes goes into convulsions. During these spells he froths at the mouth, and is insensible, then he is powerless to move for over an hour. Would you state cause and treatment.

2. What are the objections to a cement henhouse?

Ans.—1. Fits, or convulsions, are often noticed in young dogs while teething, or in bitches at time of parturition, or when reduced by suckling a litter. Brain disorders, or poisons in the circulation, will sometimes cause them, as will also indigestion or intestinal worms. Feed so as to insure good digestion. Give a vermifuge for the worms following a dose of castor oil. Keep him clean, and allow him exercise in the open air. Inhaling ether or chloral hydrate will check the convulsions. Give him plenty of drink. If due to brain trouble, and he is not valuable, it might be better to destroy him.

2. The chief objections are dampness and cost. Henhouses must be dry.

#### ABSENCE OF MILK.

We have a pure-bred Jersey heifer that has recently had her first calf. Only one quarter of her udder gives milk, and that is the back quarter on the right side. Her other teats are not blind, but the udder has not grown any over them. She has been on a cement floor up till a week before calving, but has had lots of bedding. She was fed on silage, straw and hay. Would you think it advisable to breed her again? Could you in any way give us a cause for her going like that? Would you think it advisable to turn a calf on her, or do you suppose she could feed one enough?

J. A. B.

Ans.—This defect occurs occasionally in all classes of stock without apparent cause. It is not likely that she will ever become a profitable cow. The only treatment we can advise is frequent massage of the udder with the hands, "stripping" the teats to stimulate the lacteal organs, and feed her well with milk-producing food, such as roots and bran, in addition to good clover hay. If she and a calf agree, and the calf takes to stripping all the teats, we know of no scheme more likely to bring her to milking freely. If her milk is not sufficient to sustain the calf, it may be supplemented with milk from another cow. We would breed her again as an experiment, but with little hope of making a success.

#### DRAINAGE OUTLET.

Twenty acres of my farm incline to the south and join the concession line. This land has no living water, yet we think needs underdraining. My neighbor across the line has a deep, open ditch, that takes away all floods and freshets, but is dry all summer. As my drains have some branches, he claims damages for collecting water and throwing it on to his land in the said ditch. We think, however, that it would do him more good than harm.

1. Can he collect damages?  
2. Would he not have to prove damages?  
3. Is it wise to say, prove damages and we will pay you?  
4. Would Council have anything to say to settle it?

5. We want to avoid litigation and keep friendly.

Ans.—1 and 2. If he sues you and proves damages, he can collect.

3. No. There is a better way.

4 and 5. If this is a ditch which your neighbor alone constructed, and you wish to use it for underdrainage purposes, it is probably only fair that you should pay him a reasonable share towards the construction of the said ditch. I think your best plan is to try to come to an agreement with him on some such basis as just suggested. If he will not come to a fair agreement, then put in a requisition for the Township Engineer to make an award in the matter of an outlet for your drainage. In case you have to take in request for the engineer, I see no objection to you going ahead and putting in your underdrains as soon as circumstances will allow, providing the ditch mentioned is deep enough for an outlet.

WM. H. DAY.

### Scotch Shorthorn Bulls

Have a number of good, thick-fleeced bulls of up-to-date type and breeding, from 8 months to 14 months old, also cows and heifers at reasonable prices. Write to, or call on

H. J. DAVIS  
Woodstock, Ontario  
Breeder of Shorthorns and Yorkshires.

C. P. R. and G. T. R. Long-distance Bell phone.

### Six Shorthorn Bulls must be sold.

Different colors, and their breeding is good enough for any herd. Write me for prices before purchasing.

WM. SMITH, COLUMBUS, ONTARIO

### MAPLE LODGE STOCK FARM 1854-1912

Have two very desirable Shorthorn bulls for sale, a red and a roan. A handsome young Clydesdale stallion for sale, and the Leicesters are doing splendidly.

A. W. SMITH, Maple Lodge, Ontario  
Lucan Crossing, G. T. Ry., one mile.

### OAKLAND SHORTHORNS!

We have another lot of young bulls ready for winter and spring trade, out of good breeding dual-purpose cows, and sired by our herd header, Scotch Grey 72692; a fine roan; one of the best bulls in Ontario. Good stock and no big prices. Will also sell cows and heifers; about 50 to select from.

JOHN ELLER & SON HENSALL, ONTARIO

### Shorthorns of Show Calibre

Only one bull for sale now, but 13 grand heifers by Mildred's Royal must be sold, as we have no bull to breed them to. Come and see them, or write.

GEN. GIFF & SON, Grand Valley, Ont

### IMPORTED BULL FOR SALE

Our Green Grove herd of Shorthorns is headed by the two imported bulls Imp. Spectator = 50094 = and Imp. Royal Bruce = 55038 =. Present offering: Stock bull Imp. Spectator and two choice young bulls, herd headers, fit for service; also good females Geo. D. Fletcher Binkham Ont. Frin Sta C.P.R.

### SPRING VALLEY SHORTHORNS

Herd headed by the two imported bulls, Newton Ringleader, = 73783 =, and Scottish Pride, = 36106 =. The females are of the best Scotch families. Young stock of both sexes for sale at reasonable prices. Telephone connection.

KYLE BROS. - - - Ayr, Ontario

### Woodholme Shorthorns

I have for sale a number of choice-bred Scotch Shorthorn heifers and several young bulls, all of high-class quality and sired by Imp. Dorcas King = 55009 =, a Lady Dorothy. I am also offering this bull for sale.

G. M. FORSYTH, North Claremont P.O. & Sta  
MENTION "FARMER'S ADVOCATE"

## CALVES WITHOUT MILK

Write for Free Booklet

"How to Raise Calves Cheaply and Successfully Without Milk"

Contains full information and complete feeding directions for using

### Blatchford's Calf Meal—The Perfect Milk Substitute

Three or four calves can be raised on it at the cost of one where milk is fed. No mill feed. The only calf meal manufactured in an exclusive Calf Meal Factory. Established at Leicester, England, in 1809.

STEELE, BRIGGS SEED CO., LTD.  
WINNIPEG, MAN. HAMILTON, ONT. TORONTO, ONT.

### Brampton Jerseys

cows and some calves for sale. Production and quality

Bulls hit for service are getting scarce. Just a few left. Yearling heifers in calf are in great demand; 6 for sale; 6 now being bred. Brampton Stockwell the sire. A few good

B. H. BULL & SON, BRAMPTON ONT.

### High Grove Stock Farm

No better Jersey blood in Canada. Stock all ages and both sexes for sale.

Arthur H. Tufts, P. O. Box III, Tweed, Ont

### Calves

Raise them without milk. Booklet free. CLOUGH & CO., Lennoxville, Que

### Don Jersey Herd

Offers young bulls and heifers for sale; heifers bred to Eminent Royal Fern.

D. Duncan, Don, Ont., Duncan Stn., C.N.R.

\*Phone Long-distance Agincourt.

**SPRINGBANK AYRSHIRES** The world's leading herd of Record of-Performance Ayrshires. Contains more champion milk- and butter-producers than any other herd. Also big cattle, big udders and big teats a specialty. A few bull calves, true to color and type, from R. O. P. dams, for sale at reasonable prices. A. S. TURNER & SON, Ryckman's Corners, Ont. Three miles south of Hamilton. Visitors welcome. Trains met by appointment.

**SPRINGBURN AYRSHIRES** Imp. and Canadian b. ed. Oldest established herd in Canada. We are offering a limited number of young bulls rising 1 year of age, sired by the Auchentrain Famous Beauty b. ed bull, Auchentrain Goo. Gift imp. Female of all ages. A specialty in spring calving cows. McMILLAN & LEGGAT, TROUT RIVER, QUE. L.-D. phone. Carr's Crossing station on G. T. R.

**Burnside Ayrshires** Champions in the show ring and dairy tests. Animals all ages and both sexes for sale. Long-distance phone in house

R. R. NESS, Howick, Quebec

**Ayrshires** of production, type and quality. I can supply Ayrshires that will please the most exacting critic. Young bulls or females of any age, the kind that swell the bank account.

R. M. Howden, St. Louis Sta., Que. L.-D. phone.

**Ayrshires and Yorkshires**—We have still some good young bulls. Now is the time to buy for the coming season, before the best go. We have females any age, and can fill orders for carlots of Ayrshires. Pigs of either sex on hand.

ALEX. HUME & CO., Menie, Ont.

**Choice Ayrshires** 10 choice cows and heifers for quick sale. Good teats, heavy producers, high testers. Price slow considering quality. WILLIAM THORN, Teat Run Stock Farm, Lynedoch, Ont. Phone in house.

**HILLCREST AYRSHIRES**—Bred for production and large teats. Record of Performance work a specialty. Fifty head to select from. Prices right.

FRANK HARRIS, Mount Elgin, Ont

**STONEHOUSE AYRSHIRES** Are coming to the front wherever shown. Look out for this at the leading exhibitions. Some choice young bulls for sale, as well as cows and heifers.

HECTOR GORDON, Howick, Quebec