

Ring-Bone

There is no case so old or bad that we will not guarantee

Fleming's Spavin and Ringbone Paste

to remove the lameness and make the horse go sound. Money refunded if it ever fails. Easy to use and one to three 45-minute applications cure. Works just as well on Sidebone and Bone Spavin. Before ordering or buying any kind of a remedy for any kind of a blemish, write for a free copy of

Fleming's Vest Pocket Veterinary Adviser
Ninety-six pages of veterinary information, with special attention to the treatment of blemishes. Durable, bound, indexed and illustrated. Make a right beginning by sending for this book.

FLEMING BROS., Chemists
75 Church St. Toronto, Ont.

SUNNY ACRES

Aberdeen - Angus

Present offering—A few young bulls ready for service.

G. C. CHANNON, - Oakwood, Ont.

Telephone—Oakwood. Railway—Lindsay.
G. T. R. and C. P. R.

Aberdeen - Angus

Meadowdale Farm

Forest, Ontario

Alonzo Mathews
Manager

H. Fraleigh
Proprietor

ALLOWAY LODGE

STOCK FARM

Angus—Southdowns—Collies

Recent addition of Imp. Idealist of Malmesore as junior herd sire. Yearling rams and ewes, all of superior merit, priced to sell.
No Collies at present.

ROBT. McEWEN, R. R. 4, London, Ont.

Messrs. A. J. Hickman & Co.

Halse Grange - Brackley, England

Exporters of all Breeds
of Pedigree Live Stock.

Send for an illustrated catalogue and see what we can do for you. Whether you want show or breeding stock, buy direct from England and save money.

Aberdeen-Angus—Cows and heifers in calf. Breeding and quality excellent. Prices very reasonable. Write

JAMES G. SHARP - Terra Cotta, Ontario
Phone via Erin.

Balmedie Aberdeen-Angus

Nine extra good young bulls for sale. Also females all ages. Show-ring quality.

THOS. B. BROADFOOT, FERGUS, ONT.

Maple Shade

SHORTHORNS

A dozen young bulls imported and my own breeding at moderate prices.

W. A. DRYDEN

Brooklin - - Ontario

English Dual-Purpose

Shorthorns

We offer a grand choice of young bulls and bull calves from imported dams and sire, bred on the English system for milk and beef. They will add value to any herd. The dual characteristics have been impressed by scientific treatment for continuous years. Prices moderate.

Always on hand, sows and boars of the most satisfactory breed of pigs, English Large Blacks.

F. W. COCKSHUTT

Lynnore Stock Farm, Brantford, Ont.

SHORTHORNS

Present offering: Six young bulls, Reds and Roans, also a number of females. They have size, quality and breeding from good milking dams. Prices moderate. Satisfaction guaranteed.

CHAS. GRAHAM - Port Perry, Ontario

Questions and Answers.

Miscellaneous.

Testing Cream.

What constitutes a fair and honest sample of cream to give a proper test? Our cream is collected twice a week and dumped into a pail to be weighed. Before the last canful went away I stirred it up well and took what I considered a fair sample. When the man called for the cream, he took a sample for the creamery and one for myself. I tested it under the same conditions and it went two points higher than the other. What is the right sample?
T. A.

Ans.—When taking a sample of either milk or cream, it should be thoroughly mixed by pouring from one vessel to another. If the cream stands for some time it will be thicker on top than at the bottom, and pouring from one receptacle to another is the only way it can be properly stirred. A couple of ounces is all that is really needed for a test, but this must be a representative sample. In testing cream it should be weighed into the test bottles rather than measured. One must be careful of the acid used. A too strong or too weak acid will not give accurate results. Cream taken under identical conditions and tested with the same acid should give the same results. The test bottles hold about 17.5 c. c. This constitutes a sample.

Eel-Worms.

What is the significance of microscopic eel-like animals being present in home-made maple vinegar?

1. Do eel-worms eat yeast plants?
2. How may eel-worms be destroyed?

J. D. L.

Ans.—These eel-worms are sometimes very common in vinegar, especially in old vinegar or in vinegar barrels which contain a considerable amount of the so-called "mother of vinegar." While it is not nice to think of making use of the liquid when these little worms are present, yet they are so very small that they almost always escape detection and they seem to be quite harmless when consumed with the vinegar. However, you will probably be able to get rid of them completely by placing your vinegar in bottles or jars in a pan of hot water and then bringing the water to a boil. Straining through very closely woven cotton cloth would probably have the same effect.

The life history of these eel-worms is not very well known. It is not likely that they eat yeast plants, although they very often occur in ordinary flour paste which has become sour. It is difficult to understand how they get into it in the first place. As I have pointed out, the eel-worms in vinegar are harmless but you may get rid of them in the way which I have described.
G. J. S.

Goslings Dying.

We have two geese and a gander and have hatched thirty goslings. The first thirteen did well but the younger ones started to die. Eleven have died and the rest do not look healthy. They seemed to cripple up and could not walk. We hatched them mostly by hens and kept hens in coops but allowed the goslings to run. We also kept the geese penned up. Hers all died. We fed bran, shorts, cornmeal and a little whole wheat.
C. P.

Ans.—It is probably difficult to locate the exact cause of the goslings' death. Geese are naturally grazers and one of the main essentials for goslings is to have the liberty of a range on tender green feed, that is a nice piece of tender grass that is short, or to put them out on a little rye or fall wheat is also considered good. They also require an abundance of grit and if confined to a small yard they should have artificial shade, not complete, but so that they may get into shade when they wish. If your correspondent has used equal parts of good shorts and family cornmeal mixed with sour skim-milk and added about a teaspoonful of coarse, sharp sand or fine gravel to ½ pail of feed I think they would have come along better. I would not advise feeding them more than they can eat, or what they will clean up in five to ten minutes. Be sure to supply green feed. In this particular case it looks as if the trouble may have been caused from a shortage of green feed and grit.
W. R. G.

The Salem Herd of Scotch Shorthorns

HERD HEADED BY GAINFORD MARQUIS, CANADA'S PREMIER SIRE
Write us about the get of Gainford Marquis. They have won more at Toronto and other large exhibitions than those of any other sire. We still have a few sons to offer, as well as females bred to Canada's greatest sire.

J. A. WATT,

Elora, Ontario

Braeburn Scotch Shorthorns

150 Head

100 Breeding Females

Herd Headed by Nero of Cluny (Imp.)

I have at present twelve young bulls that are now nearing serviceable age. The majority are sired by my present imported herd sire, and we guarantee them as good individually as the get of any other sire in Canada. They are nearly all roans, and are priced to sell. Can also spare some breeding cows in calf to Nero of Cluny (Imp.).

CHARLES McINTYRE, Scotland, Ontario

Brantford 7 miles. Oakland 1 mile. L.E.N. Electric R.R. Cars every hour.

Reyburn Milking Shorthorns

Herd headed by Victor 3rd, Imp., Grand Champion at Erie Show and Congress. Herd average over 9,500 lbs. milk per cow. Choice cows, heifers and herd-heading sires for sale.

R. R. WHEATON

THORNDAL, ONTARIO

Long-distance 'phone and telegraph.

A NEW IMPORTATION OF

40 SCOTCH SHORTHORNS

arrived home Dec. 17th. From our herd of 125 head we can offer a large selection in choicely-bred bulls and females. Anyone in need of foundation stock may find it to their advantage to look over our offering before making any purchases.

J. A. & H. M. PETTIT

FREEMAN, ONTARIO

Burlington Jct., G.T.R., only half mile from farm.

20 Bulls—SPRUCE LAWN—100 Females

Clydesdales, Shorthorns, Yorkshires. Herd headed by Imported Golden Challenger 122384, a Rubyhill, bred by Earl of Northbrook, by Ascott Challenger, bred by L. De Rothchild. Special bargains in farmer's bulls. Cows and heifers in calf, yearling and heifer calves. Yorkshires either sex. J. L. and T. W. McCAMUS, Cavan, C.P.R.; Millbrook, G.T.R. and P.O., Ont.

Newcastle Herd of Shorthorns and Tamworths for Sale—Three nice bulls, 11 to 18 months old, and several yearling heifers

and cows with calves at foot, both sexes, all splendid milking strain. Several Tamworth sows due to farrow in May, June, July. Young stock, both sexes, at weaning up to six months old. All from prize-winning stock.

Long-distance 'Phone.

A. A. COLWILL, R.R. No. 2, Newcastle.

Pear Lawn Shorthorns, Hackneys and Yorkshires—One imported-in-dam Miss Ramsden

one Golden Rose bull, 6 months, imp. sire and dam; one bull, a Flattery, 12 months, imp. sire. A few young cows with calves at foot. One imported Hackney stallion, A 1; two Hackney stallions rising one year; one registered Clyde mare; also Yorkshires at weaning time. HERBERT J. MILLER, Keene P.O., Ont. Stations—Keene G.T.R., Indian River C.P.R., Peterborough County.

Spring Valley Shorthorns

Herd headed by Sea Gem's Pride 96365. We have a number of good bulls for sale, including the Champion Ivanhoe 122760, and his full brother also, an extra well-bred Rosewood, and others. Write for particulars.

Telephone and telegraph by Ayr.

KYLE BROS., Drumbo, Ont.

Imported Scotch Shorthorns For Sale—Three imported bulls, one yearling

sire; also a choice two-year-old Orange Blossom of our own breeding, and three well-bred bull calves about a year old. Would consider exchanging an imported bull for Scotch females.

R. M. MITCHELL, R.R. No. 1, Freeman, Ont.

BLAIRGOWRIE

SHORTHORNS!

Three imported bulls. Ten imported females in calf or calf by side. Two Scotch-bred bulls. Five Scotch-bred cows with calves by side.

JOHN MILLER ASHBURN, ONTARIO
(Myrtle C. E. R. and G. T. R.)

DUAL-PURPOSE SHORTHORNS

Herd headed by Dominator 106224, whose two nearest dams average 12,112 pounds of milk in a year. Bulls from 1 to 6 months old for sale, also a cow or two. Inspection of herd solicited.

WELWOOD FARM

Farmer's Advocate

LONDON, ONT.

MILKING SHORTHORNS

Young stock from R.O.P. cows by imported sires. Choicely bred sows and boars, all ages. Can supply pairs, not akin.

BERKSHIRE PIGS

Credit Grange Farm

Meadowdale, Ont.

SPRUCE GLEN SHORTHORNS

We have a few choice, well bred, thick, deep level, mellow young bulls of breeding age for sale; also heifers in calf to a right good sire. Write for particulars.

JAMES McPHERSON & SONS

Dundalk, Ontario

WILLOW BANK STOCK FARM

ESTABLISHED 1885

Shorthorn Cattle and Leicester Sheep. Bulls in service: Brownale - 80112, by Avondale, and Brownale Banner, Junior Champion at Toronto, 1919. A special good lot of young bulls and females to offer. Write for information or come and see.

JAMES DOUGLAS,

CALEDONIA, ONT.

WALNUT GROVE SCOTCH SHORTHORNS

We are offering choice young males and females from the best Scotch families and sired by Gainford Eclipse and Trout Creek Wonder Ind. If wanting something real good, write, or come and see us.

DUNCAN BROWN & SONS, Sheddin, Ont., P.M., M.C.R.

Cedar Dale Scotch Shorthorns

Pleasing Cattle and Pleasing Pedigrees—Senior Sire, Excellent, sired by Gainford Marquis (Imp.). Junior sire, Matchless Duke, by Gainford Matchless, the \$12,000 son of Gainford Marquis (Imp.). I have a number of choice bred heifers, and must sell a few to make room. Also have a couple of Scotch-bred bulls. Prices right at all times.

FRED. J. CURRY, Markdale, Ont.

SHORTHORNS—CLYDESDALES

Just one bull left, 9 months old; sire, Lochiel (Imp.); dam on the R.O.P. Pure Scotch. Stallion colt, sired by Baron's Stamp. Fillies rising, 2, 3, 4 and 5-year-old. Come, see, and be satisfied.

Brooklin G.T.R. and C.N.R. Myrtle C.P.R.

WM. D. DYER, COLUMBUS, ONTARIO

Scotch Shorthorn Bulls and Females

I have a nice offering of Scotch-bred females and one or two young bulls still on hand. The pedigrees are choice, the individuality is good—and the prices are right. If you want one Shorthorn female or a carload, come to Markdale.

THOS. MERCER, Markdale, Ont.

Shorthorn Bulls and Females

Herd headed by Ruby Marquis, a son of the great Gainford Marquis (Imp.). Our calves now coming are all by this sire. We are also offering a few females in calf to him. Get our prices before buying elsewhere.

PRITCHARD BROS., R.R. No. 1, Elora, Ontario

HILLVIEW DUAL-PURPOSE SHORTHORNS

I have in my herd seven officially tested cows, some with R.O.P. record of 7,900 lbs. as a two-year-old and 11,500 lbs. in 4-year class. Herd headed by Kitchener 104066, a heavy, thick grandson of Daivmaid 86086. Two young bulls for sale. Government test tells what their dams have done at the pail, and if you are interested, come and see the individuals.

D. Z. GIBSON, Caledonia, Ont.

Puslinch Plains Shorthorns

Bulls for Sale—Royal Signet - 134979 - red; born Oct. 7th, 1919. Sire, Royal Ramsden - 123097 - dam, Roan Lady 50th - 143772 - Price \$300. Goldale - 138966 - roan; born Dec. 15th, 1919. Sire, Brownale Reserve - 116615 - dam, Roan Bessie 11th - 140322 - Price \$200.

A. G. AULD, R. 2, Guelph, Ont.

High-Testing Holsteins

Present offering: Three young bulls, 10 months old; all splendid individuals, out of high-producing dams, backed by noted blood and big records. Our herd sire, Ormsby Jane Hengerveld King (by Ormsby Jane King), has been used on this herd for several seasons, and his get, both heifers and bulls, are exceptionally promising individuals. It will pay you to inspect these youngsters before buying.

L. C. SNOWDEN, R.R. 3, Bowmanville, Ont.