

Calf Enemies

WHITE SCOURS BLACKLEG

Your Veterinarian can stamp them out with Cutter's Anti-Calf Scour Serum and Cutter's Germ Free Blackleg Filtrate and Aggressin, or Cutter's Blackleg Pills.

Ask him about them. If he hasn't our literature, write to us for information on these products.

The Cutter Laboratory
Berkeley, Cal., or Chicago, Ill.
"The Laboratory That Knows How"

English Dual-Purpose

Shorthorns

For sale: Bull calves and young bulls. English bred for milk and beef. The right kind to head Canadian herds to increase profits. From very moderate prices and up. **English Large, Black Pigs.** A great bacon type, long and deep, thrifty. Come or write.

LYNNORE STOCK FARM
F. Wallace Cockshutt
Brantford - Ontario

MAPLE SHADE

Shorthorns

Young bulls sired by "Archer's Hope." Ten imported bulls. Best Scotch breeding.

WILL. A. DRYDEN
BROOKLIN - ONTARIO

THE HAWTHORNE SHORTHORNS AND LEICESTERS

Six extra good bulls to offer, and could spare a few females. Royal Choice =79864= at the head. Clydesdale fillies and Leicester sheep. Priced to sell.

ALLAN B. MANN,
Peterboro, R.R. 4
"The Hawthornes."

Shorthorn Bulls for sale—Eight young bulls of serviceable age. Sired by the imp. bull Donside Prince 101809.

WM. GRAINGER & SON, Auburn, Ont.

Graham's Dairy Shorthorns
I have a choice offering in cows and heifers in calf. Bulls from the heaviest milking strains. Satisfaction guaranteed.

Charles Graham, Port Perry, Ont.

SHORTHORNS

Present offering, 6 choice young bulls and a few females, their dams are good milkers and best of breeding. Prices moderate.

Stewart M. Graham, Lindsay, Ontario.

Dual-Purpose Shorthorns

For Sale. Three choice Bulls, 10 and 12 months old; also herd sire, 3 years old; his dam's R.O.P. is 10340 lbs. Satisfaction guaranteed. E. R. Wood, R.R. No. 2, Freeman, Ont.

**Evergreen Hill Farm
R.O.P. SHORTHORNS**

Offering two bulls 12 months old by St. Clare, R.O.P. No. 5. S. W. Jackson, Woodstock, Ont.

BULLS BULLS BULLS
I have for sale 4 very high-class Shorthorn bulls, 2 yearlings and two years old. These bulls are to be sold immediately, and the price will be right. Don't over-look this chance. Barred Rock Cockerels, \$5.00 apiece. S. Dyment, Barrie, Ont.

Shorthorns and Clydesdales—We have a number of Shorthorn bulls which are pure Scotch and Scotch-topped; extra good quality, out of high-record cows; also a few females, and one extra good yearling Clyde Stallion; also a good two-year-old mare. **P. CHRISTIE & SON, Port Perry, Ont.**

FOR SALE

Shorthorn bull, roan, 13 months old. Dam Dorothy Rose 118995 a typical dual-purpose cow with R.O.P. of 9804 lbs., testing 309, made under adverse conditions. Sire Lavender Herd 109900 grandson of Right Sort. Priced to sell or would exchange for good female. **George C. Burt, Hillsburg, Ont.**

Maple Leaf Farm Shorthorns—A high quality Miss Ramsden bull calf and Scotch bred females for sale. Shropshires—Some good ewe lambs. **JOHN BAKER, R. No. 1, Hampton, Ont.** Bell phone. Solina, C. N. R.; Bowmanville, G. T. R. and C. P. R.

Questions and Answers.

1st—Questions asked by bona-fide subscribers to "The Farmer's Advocate" are answered in this department free.

2nd—Questions should be clearly stated and plainly written on one side of the paper only, and must be accompanied by the full name and address of the writer.

3rd—In veterinary questions, the symptoms especially must be fully and clearly stated, otherwise satisfactory replies cannot be given.

4th—When a reply by mail is required to urgent veterinary or legal enquiries, \$1.00 must be enclosed.

Miscellaneous.

Bull at Large.

A put a herd of heifers in B's pasture with the understanding that there was to be no bull allowed in the pasture. C's bull got in and two of the heifers are in calf. Is B responsible or can he collect damage from C?

W. J.

Ans.—If the agreement was between A and B, A should look to B for redress. B in turn should look to C to reimburse him for damages done unless B's fence was defective and the bull got through there. B must have known that the bull was running in the pasture adjoining his farm and should have taken every precaution to prevent the bull breaking into his farm.

Wire Worms.

1. Are wire worms likely to infest high land that was in old sod for eight years? It was plowed last fall and harrowed twice.

2. I have a field that was plowed out of sod last year which is very thick with sow thistle. It did not injure the crop last year; is there any likelihood of it injuring the crop this year? Will sowing fertilizer help to keep the grain ahead of the sow thistle?

3. Will frost kill sow thistle roots? I plowed and cultivated the field with a spring-toothed cultivator and noticed that it brought a lot of roots to the surface.

M. S.

Ans.—1. It is possible that the wire worms have infested the old sod field. We find them working on high as well as low land. They are a pest which are controlled largely by short rotations of crops. We doubt if there is any crop which is immune from attacks by these worms. One cannot tell very well whether the worms will be very destructive or not, until the season advances. Some farmers have apparently stopped the destruction of the crop by these worms by giving the soil a light coating of salt after the crop is up. If the season is favorable the crop may get off to a good start before the worms do much damage.

2. If the roots of the sow thistle are very thick in the field, it is altogether likely that this weed will be present this coming year. Sow thistle apparently chokes out the grain, and it spreads so profusely that it is a weed which should be strenuously fought. We doubt if the fertilizer would give the grain a sufficient start over the sow thistle to be of material advantage. Sow thistle roots are of the nature that they send up new growth from practically every inch of the root. Frost may have some effect on the roots, but it is doubtful if it will kill many of them. Hot, dry weather, during which time the field is being thoroughly cultivated, is the best means of eradicating the weed from the field.

Gossip.

Annual Sale at Guelph.

Some sixty head of Shorthorns make up the offering for the annual sale to be held in the Winter Fair Buildings at Guelph on March 5. Several real herd headers suitable for pure-bred herds are included, and about a dozen females; some of them safe in calf. Many of the animals are of fashionable breeding, and all are in good condition. Breeders and farmers who are in need of a herd sire, or a few choice females will find that this sale affords a golden opportunity to make their selections.

For catalogue and other information address J. M. Duff, Secretary Fat Stock Club, Guelph, Ontario.

Plan to produce something exceptionally good for the school fall fair. Get the best seed you can and select a good plot of land.

For Quick Growth and Early Maturity, Feed

GARDINER'S CALF MEAL

It replaces perfectly the cream in skim milk, and provides the nourishment necessary for quick, vigorous growth. It is rich in protein, and several points higher in fat than any other meal on the market.

Feed Gardiner's Calf Meal first with skim milk, then with milk-and-water, and finally with water only, and your breeding calves will mature earlier and your young steers will be ready for market sooner. It is equally good for colts, lambs and little pigs.

Put up in 25, 50 and 100-lb. bags. If your dealer doesn't handle it, write us for prices, and for information about Gardiner's other products—Ovatum, Pig Meal, Sae-a-fat and Cotton Seed Meal.

GARDINER BROS., Feed Specialists, SARNIA, Ont. 15



Beach Ridge Shorthorns and Yorkshires

Shorthorn herd headed by Sylvan Power 95871, a junior champion on Canadian circuit in 1914, and sire of the G. Champion Bullock at Guelph Winter Fair 1918. Young stock of all ages, both sex, for sale; also young cows with calf at foot or in calf to Sylvan Power. We can supply any want in Yorkshires.

R. D. HUNTER, EXETER, ONT.

A FEW SCOTCH SHORTHORN BULLS

Several are old enough for service and all are got by a grand son of the great Superb Sultan. Individually they are strong enough to head the best of herds, and the breeding is unexcelled. Write us also for any thing in Shropshires or Clydesdales.

ROBERT DUFF & SON, R.R. Stations C.P.R. - G.T.R., Myrtle, 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, Ont.

Beechwood Shorthorns—Herd sire, Browndale Victor "117469." Four young bulls for sale: 1 choice bull, 14 months old, weight 1,100; 2 splendid bulls, 12 months old; 1 nice, mellow roan calf, 9 months; also two Scotch heifers with calves at foot.

J. WATSON ROULSTON, R.R. 5, Hagersville, Ont.

Choice Shorthorn Females

Mysie, Rosemary's, Clementinas, Missie, Miss Ramsdens, Cruickshank, Fragrance, etc., all good pedigrees and all good breeding cattle in calf to young bulls. Prices right. Also a few bull calves. Correspondence solicited.

JAS. K. CAMPBELL & SONS, PALMERSTON, ONT.

NICHOLSON'S SHORTHORNS

We have about a dozen young bulls (ages 8 months and upwards), sired by our herd headers. Best Boy =85532= and Browndale winner =106217=. Write or come and see.

R. and S. Nicholson, Parkhill, Ont. starts

PINEHURST R. O. P. DUAL-PURPOSE SHORTHORNS

Herd headed by "Burnfoot Champion" =109945=, whose dam holds the two year old record of Canada, and his dam on sire's side has an R.O.P. record of 13535 lbs of milk and 540 lbs of fat. "Buttercup" =11906= has just completed her test in 4 year old form with 16596 lbs of milk in twelve months. Could spare a couple of females. Visitors welcome to the farm at any time.

G. W. CARTER, Pinehurst Farm, Ilderton, Ont.

SHORTHORNS, CLYDES

Have a few choice bull calves left. See these before buying elsewhere. Also six Clyde Mares and fillies rising one to 6 years of age. Each by imported sire and dam. **WM. D. DYER, R. No. 3 Oshawa, 2½ miles from Brooklin, G.T.R., 4 miles from Brooklin, C.N.R. or Myrtle, C.P.R.**

"DUAL-PURPOSE SHORTHORN BULL"

"Commander" =115964= calved Jan. 20, 1917, dark red, a model for type, sired by Burnfoot Chieftan whose dam gave 13535 lbs. milk in R.O.P., his dam is Jean Maisie giving 7850 as 3 yr. old in R.O.P., she is sister to Jean Lassie who gave 13819 in R.O.P. He is strong and sure and price is right. Also have two 10 months old red bulls, strong milk backing, priced to sell. Write for particulars or come and see them.

Hugh A. Scott, Caledonia, Ont. Phone 5-18, R.R. No. 3. (Will meet Caledonia trains).

PEART BROTHERS SHORTHORNS

We are offering our Scotch Bred herd sire Nonpareil Counsel 96931, also ten young bulls of his get practically all ready for service, from cows of both beef type and dual-purpose, one of which has qualified in R.O.P. Prices reasonable. Inspection invited. Pleased to meet trains at Hagersville, M. C.R., Caledonia, G.T.R.

PEART BROS., Phone 70-16, Caledonia, Ont., R.R. No. 3.

SHORTHORNS and CLYDESDALES

Herd still headed by Proud Victor =102587=. For Sale—One red, 20-months old, and eight 10-months-old choice reds and roans. Also females of all ages.

J. B. Calder - **Glanford, Sta. R.R. 3**

SPRUCE GLEN FARM SHORTHORNS

We have for sale a number of young bulls fit for service and a few choice heifers.

JAMES MCPHERSON & SONS - **DUNDALK, ONTARIO**

Shorthorns

Herd headed by Pride of Escana, a great son of Right Sort. Several bulls and a few females with calves at foot for sale. Herd of over seventy head.

A. G. FARROW (between Toronto and Hamilton) **OAKVILLE, ONT.**

Spring Valley Shorthorns

Herd headed by Sea Gem Pride =96365=. Present offering includes two real herd headers. One imported in dam, the other by Sea Gems. One imported in dam, the other by Sea Gems. A number of other good bulls and a few females. Write for particulars.

Telephone and telegraph by Ayr. **KYLE BROS., R. 1, Drumbo, Ont.**

Glengow Shorthorns

We have a choice offering in young bulls, fit for service. They are all of pure Scotch breeding, and are thick, mellow fellows, bred in the purple.

WM. SMITH, COLUMBUS, ONT. - **Myrtle, C.P.R.; Brooklin, G.T.R.; Oshawa, C.N.R.**

Pure Scotch and Scotch-Topped Shorthorns—We have several choice young bulls for service. Two are by Rapheal (imp.), one by Right Sort (imp.), one by Sittyton Selection, and several by our present herd sire, Newton Cedric (imp.). Prices right.

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

Creekside Scotch Shorthorn Heifers

A select lot with the choicest of breeding, (reds and roans). Several of these are bred to my present herd sire Gainford Count a Stamford-bred son of the great Gainford Marquis (imp.). The prices quoted on these are right. I have only two bulls left that are old enough for service.

GEO. FERGUSON, **Elora, Ontario.**

6 BULLS BY ESCANNA FAVORITE

A son of the famous Right Sort (imp.). All are ready for service and priced to sell. We have others younger and could spare a number of young cows calving early to the service of the same sires. Write, don't delay.

W. G. GERRIE, **C.P.R. Station on farm, Bell Phone Bellwood, Bellwood, Ontario.**