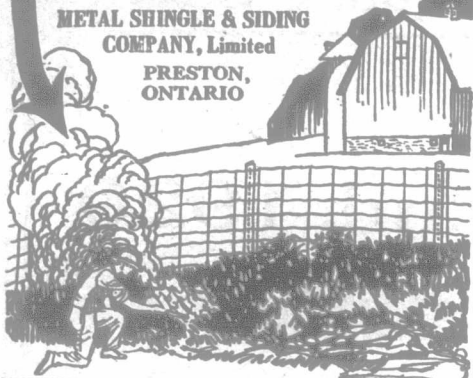


Burn the Stubble

The weeds that serve as a "back-stop" for all the trash that blows across the fields, should be removed by burning the fence lines. When your fence is strung on **PRESTON STEEL POSTS** this may be done without the slightest danger of fire. Before you waste another dollar on replacing rotten wood posts, investigate the Preston Post. Write for Folder that tells you how to fence for permanence.

METAL SHINGLE & SIDING COMPANY, Limited
PRESTON,
ONTARIO



Tudhope-Anderson

WIDE Steel Wheels

are Made in Canada

Ordinary steel wheels—the imported kind—are often made with spokes cast in the hub. If you break a spoke you lose the whole wheel.

Tudhope-Anderson Steel Wheels have removable spokes easily replaced at low cost and in quick time. Write us today for order-blanks and full particulars about wide tire Steel Wheels for work about the farm. Made in sizes 20" to 60" diameter. Hubs to fit any skid or bearing. Tire widths, 8" to 10".

We also manufacture Low Down Wide Tire Steel Wheel Trucks.

Tudhope-Anderson Co., Limited
Orillia, Ontario
Cut out this advertisement and mail to us 47

English Dual Purpose Shorthorns

Begin the pasture season by the purchase of a sire which will add value to your calves—For milk and beef—From imported stock of choice breeding. We have a fine choice of bull calves and bulls.

Also English Large Black Pigs—A thrifty breed—Write or call.

LYNNORE STOCK FARM
F. W. Cockshutt, - 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

Mardella Dual-Purpose Shorthorns

8 choice young bulls; 30 females, cows and heifers. All of good size, type and breeding. Herd headed by The Duke; dam gave 13,599 lbs. milk, 474 lbs. butter-fat. He is one of the greatest living combinations of beef, milk and Shorthorn character. All priced to sell. Write, call or phone.

THOMAS GRAHAM, Port Perry, R.R.3, Ont.
Dual-Purpose Shorthorns—Herd sire, Darlington Major Maude = 101212 =, by Darlington Major = 91279 = (imp.); dam Lady Maude = 104585 = (imp.). For sale, 6 bulls, ages 6 to 13 months. R. H. & W. S. SCOTT, Box 231, Tillsonburg, Ont.

R.O.P. Shorthorns

At Evergreen Hill Farm. One yearling bull by St. Clare = 84578 = also a few yearling heifers.
S. W. JACKSON, - Woodstock, Ont.

SPRUCE LODGE STOCK FARM
Shorthorns and Leicesters For Sale
Two choice young bulls, 6 and 11 months old, also one and two-year-old heifers, all got by Roan Chief Imp. = 60865 =.
W. A. DOUGLAS, Caledonia, - Ontario

Questions and Answers. Miscellaneous.

Cleaning Hats.

1. What is the substance for cleaning Panama hats?
2. What would you recommend for whitening a concrete house?

Ans.—1. There are commercial preparations which can be purchased at the drug store, but the cleaning can be done very satisfactorily by washing in castile soap and using a medium stiff brush, then rinse in soft water to which has been added a little glycerine, to prevent the straw from hardening. Afterwards, bleach in the hot sun.

2. A cement wash with a little lime added might be applied, but this will not give it a real white finish, it would be a sort of greyish color.

Color in Shorthorns.

1. What is the difference, if any, in the breeding of a gray and a red Shorthorn?
2. At what age should a heifer freshen?

E. R.

Ans.—1. There are the three colors in Shorthorns—red, white and roan. Crossing a red sire on a white cow, or vice versa, may throw a gray or roan-colored calf, or you may get the roan from breeding two reds, or two whites, for the simple reason that this color is characteristic of the breed. Some breeders favor the dark red, while others will pay a premium for a good roan.

2. It depends upon the growthiness of the heifer. A heifer may be bred to freshen at around thirty to thirty-three months of age.

Running a Water Wheel.

There is a spring about 500 yards from our house, which would be about 100 feet higher than house. Now I would like to know what size pipe I would have to use to get water enough to run a small water wheel, to run a dynamo for electric lights. There is a good flow of water, but if there was not enough I could build a small reservoir. A. A.

Ans.—Without a knowledge of the amount of water the spring will supply continuously, it is impossible to answer this question definitely. The two chief factors which determine the amount of power any particular water supply will provide are,—quantity of water per minute and the fall or head, but by knowing the amount of power required we can figure backwards and find the amount of water necessary. To operate dynamo for electric lighting on the farm the power available to run the dynamo should be at least 2 H. P., but this would require about a 4 H. P. water wheel to allow for loss in transmission, etc., between the water wheel and dynamo. With a 100-ft. head an 18-inch water wheel generating 4.21 H. P. of energy would require 27.8 cu. ft. or 173.7 gallons of water per minute. The size of pipe required would be about 3 or 4 inches in diameter. Therefore, if the spring in question will supply continuously about 175 gallons per minute, it will generate the required amount of power.

R. R. G.

Gossip.

The sale of Aberdeen-Angus cattle to be held at the exhibition grounds Toronto, on June 2nd, is creating a great deal of interest among Doddie breeders. The catalogues are now almost ready for distribution and persons who expect to attend this sale should write at once to James Bowman of Guelph for a catalogue and other information. This offering of fifty head of choice Aberdeen-Angus cattle includes animals from all of the best herds in Ontario, and thus affords the man who is ready to found a herd of Doddies an excellent opportunity of obtaining the best kind of cattle for his foundation stock. Many of the females are bred to such champion bulls as Espoir Marshall, Grand Champion, Toronto, and junior champion, Chicago, 1919; Idolmere 5th, a full brother of the great Idolmere grand champion at Chicago 1919; Benedictine Monk (imp.) and Young Leroy grand champion at four leading fairs in 1918, and winner of 81 first prizes. Some of the best families are represented, including Trojan, Erida's, Pride's, Witch of Endors and Kyngas. June 2nd will see history made in Aberdeen-Angus circles in Ontario.

Blatchford's Calf Meal

(The Original Calf Meal)

Established
Leicester
England
120 Years
ago



Easy to
Feed.
Calves
Relish
It.

THOROUGHLY STEAM COOKED

Blatchford's Calf Meal is the most widely used Milk-Substitute. More Calves are RAISED on it each year than all other Calf Meals combined.

INSIST ON BLATCHFORD'S

THE NEXT BEST THING TO WHOLE MILK

Blatchford Calf Meal Company of Canada Limited

Dept. C 18 61-77 Pelham Ave., Toronto

If your local dealer cannot supply you write us.

24-30

Burnbrae Shorthorns

Eighty-three years without change, we have been breeding Scotch Shorthorns. The foundations of many of the best herds in America were laid from our farms.

I am in a position to furnish you with the best in either sex that can be found. High-class young bulls for the breeder and the farmer. Cows and heifers of the finest breeding to start you right, and you cannot afford to start wrong. Every animal that I have sold in two years has been satisfactory, the most of them sold by letter. I can satisfy you with the best in what you want at a price that will give you a chance, and I will pay the freight or express to your station. Augusta Sultan = 93092 = one of the greatest living sires at the head of my herd. Write and if possible come and see, it is worth while. Post Office, Telegraph, Telephone and Station is Stouffville, Ont. 30 miles from Toronto.

ROBERT MILLER

Stouffville, 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

Imported Scotch Shorthorns For Sale—Three imported bulls, one yearling, one two-year-old and our three-year-old herd 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.

20 Bulls—SPRUCE LAWN—100 Females—Clydesdales, Shorthorns, Yorkshires. Herd headed by Imported Golden Challenger 12284, 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.

Cedar Dale Farm—The Home of Lakeview Johanna LeStrange, the \$15,000 sire—He is the son of the 38,000-lb. cow, Lakeview LeStrange, and is our chief sire in service. We are offering a few females bred to him, and also have a few bull calves sired by him at right prices. Other older bulls, sired by our former herd sire, Prince Segis Walker, son of King Segis Walker. **A. J. TAMBLYN**, Cedar Dale Holsteins, (C.N.R. station one mile), Orono, Ont.

Shorthorn Herd Sires Selling Quick—I have several young bulls left that must go out quick. All are of serviceable age—three are by Gairford King, a grandson of Gairford Marquis (imp.), and two others are Nonpareils. One of these is got by the same sire that sired the \$3,100 junior champion heifer, sold in the Dryden-Miller sale. Write quick if you want them.

GEO. E. MORDEN, Oakville, Ontario

Newcastle Herd of Shorthorns and Tamworths for Sale

3 nice bulls, 11 to 13 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.

A. A. COLWILL,

(Long-Distance Phone)

R. R. No. 2, Newcastle

Grand River Dual-Purpose Shorthorns

Herd headed by Prince Lavender 104449—dam gave 16,596 lbs. milk as 4-year-old. Present offering: Five good young bulls. Some good bull calves coming on—dams now running in R. O. P. A few females to spare.

HUGH A. SCOTT

CALEDONIA, ONTARIO

Reyburn Milking Shorthorns

ANNUAL INTERNATIONAL SALE

JUNE 9th, 1920, AT EUCLID, MINNESOTA, U.S.A.

Sixty head of choice milking Shorthorn cows and heifers, and five outstanding bulls—Address all correspondence to **Palmer Farm, Euclid, Minn.**

R. R. WHEATON

A. E. PALMER

MILKING SHORTHORNS Young stock from R.O.P. cows by imported sires.

BERKSHIRE PIGS Choicely bred sows and boars, all ages. Can supply pairs not akin.

J. B. PEARSON, Manager - Credit Grange Farm - Meadowvale, Ont.

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.

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 104086 a heavy, thick grandson of Dairyland 8086. Four young bulls for sale. Government test tells what their dams have done at the pool, and if you are interested, come and see the individuals.

D. Z. Gibson, Caledonia, Ont.