



Fire, Lightning and Weather Proof

PEDLAR'S SHINGLES

THERE'S positive protection for the house that is roofed with these well-known galvanized steel shingles. The most violent wind storm cannot loosen them. The fiercest lightning will not damage them. Nothing can set them on fire. They cannot rust or decay. Why put on a risky roof when Pedlar's "Oshawa" shingles are available? Write for Roofing Booklet "LF"

THE PEDLAR PEOPLE LIMITED
(ESTABLISHED 1861)
Executive Office and Factories: OSHAWA, ONT.
Branches at Montreal, Ottawa, Toronto, London, Winnipeg, Vancouver.

Dual-Purpose Shorthorns

Herd headed by Dominator No. 10624, whose grandam on his sire's side has an R. O. P. record of 13,535 lbs. of milk, testing 3.99, and whose dam has an R. O. P. record of 10,689 lbs. of milk, testing 3.88. We have several choice bulls, about ready for service, from this sire, and out of dams with records running from 8,000 to 11,000 lbs. in one lactation period.

WELWOOD FARM,
Farmer's Advocate London, Ontario.

BULLS — SHORTHORNS

- No. 1.—An extra well-bred Roan Lady, and an extra good calf; red; 10 months.
No. 2.—A Cruickshank Victoria, out of 1st prize cow at 1917 Toronto Exhibition, and by Royal Silver, one of the best show and breeding bulls in U. S. Dark roan; 14 months.
No. 3.—An Imp. Flora. Roan — and a great calf. 12 months.
No. 4.—An Imp. Roan Lady; red; bred by Wm. Anderson. 12 months.
I am badly in need of stable space and will sell worth the money.

A. G. FARROW OAKVILLE, ONTARIO

Shorthorns for Sale

Right Sort son =96282= (guaranteed) \$500. A choice lot of young heifers and bulls. Special price for next 30 days. Sound Shire mare, registered, 4 years old. Radial every hour from Hamilton.

C. N. Blanshard, R. 2, Freeman, Ontario

Mardella Shorthorns

Dual-purpose bulls, 20 young cows and heifers—bred, some calves by side. Size, type, quality; some full of Scotch. The great massive Duke—dam gave 13,599 lbs. milk, 474 lbs. butter-fat—at the head.

Thomas Graham, Port Perry, R. 3, Ont.

Newcastle Herd of Shorthorns and Tamworths
For Sale:—2 boars 8 and 12 months old, several sows and sows 2 to 6 months old. Young sows bred and 2 show sows 2 years old, safe in farrow. All descendants of Colwill's choice, champions at Toronto Industrial 3 years in succession, and Imp. Cholderton Golden Secret. Long-distance Phone. A. A. Colwill, Prop., R.R. No. 2, Newcastle, Ont.

Evergreen Hill R. O. P. Shorthorns

Offering a 13-months son of the R. O. P. bull, St. Clare. Dam has record of 7,000 lbs., test 4.5%.
S. W. JACKSON, WOODSTOCK, R.R. 4, ONT.

Shorthorns— Pail-fillers for sale. Young record cows. A few young cows and bulls with extra good breeding and quality.
PETER CHRISTIE & SON
Manchester P. O. Port Perry, Ont. Co.

MAPLE LEAF FARM
In Shorthorns, the herd header you are looking for, a real bull, dark red and Stamford bred, No. =115239=, 13 months, and sure, having used him on a few of our best cows.
John Baker, R. No. 1, Hampton, Ontario

GLENFOYLE SHORTHORNS.
College Duke 4th in service — a high-record son of Rotherham and Taylor's noted stock. Am offering young cows and heifers, bred to this great bull. Have a few bulls of breeding age on hand.
STEWART M. GRAHAM, LINDSAY, ONT.

Brownlee Shorthorns. Offers a choice lot of young bulls, ranging in ages up to nine months, and sired by the Nonpareil bull, Royal Saxon. See these before buying elsewhere. Could also spare a few females. **Douglas Brown, Bright, Ont., R. R. 3. Ayr Station, C. P. R.**

Questions and Answers.

Miscellaneous.

Bitter Milk.

1. What is the cause of a cow giving bitter milk? The cow is fed on a mixture of clover and timothy hay, and 6 quarts of oat chop. She gets plenty of salt.

L. H.

Ans.—1. Bitterness is sometimes caused by certain weeds in the feed. However, it may also develop after the milk is drawn, due to the growth in such milk of some bacteria or yeast, or it may be due to some trouble in the udder. Thoroughly cleansing the dairy utensils and sterilizing by boiling would remove any danger from bitterness developing after the milk was drawn. If it is due to udder trouble, little can be done. The cow will possibly be all right in the next lactation. Bitter or thick milk sometimes occurs when a cow is nearing the end of the lactation period.

Ticks on Sheep.

1. I have a fair-sized flock of sheep which are badly infested with ticks. How would you proceed to get them cleaned off? How could a dipping tank be built?

J. M. M.

Ans.—1. Dipping the sheep is one of the best methods of destroying ticks. If the weather is too cold for dipping, a small quantity of the dip may be poured along the backs and sides of the sheep. By opening the wool up with the hand and pouring in the dip, very good results are obtained. Where only a small flock of sheep is kept, a small vat which would permit of practically immersing the sheep would be satisfactory. Each sheep could be picked up and put in the tank. Where large flocks are maintained larger tanks are built, with gang-ways leading to and from them which permits of the work being done more rapidly and more easily.

Veterinary.

Infectious Diarrhoea.

Some time ago I purchased seven cows. My stables are new, well lighted and ventilated. Each of the 7 cows produced a healthy calf, but each calf suffered from acute diarrhoea shortly after birth. We succeeded in saving some of them, but others died. I never had trouble of this nature before. One of my old cows produced a calf in the same stall that one of the 7 did, and the calf is doing well.

1. Did newly purchased cows bring the disease, or did calves inherit it from the sire?

2. How can I disinfect to effectively stop the disease?

3. What disease is it? H. B.

Ans.—1. It is not possible for us to tell how the infection was introduced into the stable. The disease is due to a specific virus that gains the circulation of the calf, usually through the navel opening. It may have existed on the cows, or in the stable, but the sire was not responsible. The disease is not congenital.

2. Thoroughly sweep and dust all parts of the stable. Then give a thorough scrubbing with a hot 5 per cent solution of crude carbolic acid, or one of the coal-tar antiseptics. It is good practice to repeat this in a few days, or give a coat of hot lime wash, with 5 per cent. of one of the antiseptics. Closing all openings to make the stable as air-tight as possible, and then burning sulphur until all parts become permeated with the fumes is a good plan of disinfection. In addition to this as a preventive measure, make a solution of corrosive sublimate 30 grains to a pint of water, and dress navel with it as soon as possible after birth, and 4 or 5 times daily afterwards until it is thoroughly healed.

3. The disease is called, "Infectious or Contagious Diarrhoea". V.

Gossip.

Volume 93 of the American Shorthorn Herd Book is now in circulation and a copy has been received at this office through the courtesy of the Secretary, E. W. Harding, Union Stock Yards, Chicago. In this Volume the numbers run from 517001 to 517000 and the record is complete up to March 14, 1917. The book is well compiled and nicely bound.

DISPERSION SALE OF 70 HEAD

Shorthorns

The property of J. J. MERNER, M.P., 2 miles from Zurich, Ont., on

Wednesday, May 1st, 1918

Commencing at 1 o'clock sharp.



Comprising 60 females and 10 bulls, including such popular families as Rosemary, Corelli, Princess Alice, Carrie C, Miss Ramsden, Butterfly, Duchess of Gloster, Crimson Flower and others. A number of the cows have calves at foot, others of breeding age in calf to service of such bulls as Meadow Signet and Village Marquis, son of Gainford Marquis (Imp.).

One three-year-old Clydesdale Stallion, King's Glory [19554], by Cumberland's Glory

(Imp.) [15788] (17846), and out of Lady King [30896], by King Thomas (Imp.) [9254] (12625), will go to the highest bidder.

There will also be sold the Standard-bred Trotting Stallion, Emperor McKinney (54151) 1653, a nine-year-old son of the great speed sire, McKinney 8818, 2:11 1/4. This is one of the best bred horses of the breed.

Train will be met at Hensall station, on the London, Huron & Bruce, on day of sale.

CATALOGUES ON APPLICATION TO:

J. J. Merner, M.P., Seaforth, Ont.

AUCTIONEERS:

C. W. Robinson Frank Taylor E. Bossenberry Robert Luker

For Sale:

- 1 reg. Dairy Shorthorn bull, sired by Robin; 15 months old.
1 reg. " " calf, sired by Ashley H.; 7 months old.
1 reg. Ayrshire bull, sired by Auchinbrain Pride; 2 years old.
1 pure-bred Ayrshire bull calf, three months old.
1 " " Dairy Shorthorn bull calf, three months old.
1 heavy Draft Gelding, 7 years old, weight 1,600 lbs.

APPLY TO:—

F. M. PASSOW, Eustis, P. Que.

MAPLE HALL SHORTHORNS

Present offering, 7 yearling bulls:

One Cruickshank Duchess of Gloster Five Cruickshank Butterflies. One Shepherd Rosemary
All pure Scotch, and extra good; also a few young cows with calves, and yearling heifers.
D. BIRRELL & SON, CLAREMONT, ONT.

BLAIRGOWRIE SHORTHORNS

I have females all ages and bulls of serviceable age. Worth while to come and see or write.
JOHN MILLER Myrtle Station, C.P.R., G.T.R. ASHBURN, ONTARIO

FAIRVIEW SHORTHORNS AND CLYDESDALES

In Shorthorns we can offer you a choice from 60 head, including both bulls and females, of Lavender, Missie, Augusta, Duchess of Gloster, Village Girl, Miss Ramsden and Clara breeding—the best of cattle and the best of pedigrees. In Clydesdales, write for our list of winners at Toronto, London and Guelph 1917 shows, Canadian-bred classes. We also have a nice offering in Shropshires.
ROBERT DUFF & SONS Myrtle Station, C.P.R. and G.T.R. MYRTLE, ONTARIO

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, ONTARIO. Myrtle, C.P.R., Brooklin, G.T.R., Oshawa, C.N.R.

Robert Miller, Stouffville, Ont.

still has a few Shorthorn bulls, fit for service, and some females that are as good as can be found for the man that wants to start right in Scotch Shorthorns. They will be sold for a low price, considering the quality, and the freight will be paid.

Write for anything in Shorthorns One hour from Toronto

SPRING VALLEY SHORTHORNS

Herd of seventy head, straight Scotch, good individuals. Headed by the great show and breeding bull, Sea Gem's Pride 96385, and Nonpareil Ramsden 83422. We have for sale four as good young bulls as we ever had, and a few females. **KYLE BROS., Drumbo, Ont. (Phone and telegraph via Ayr.)**

SEVENTY-THREE HEAD OF SHORTHORNS

Four good young bulls of serviceable age; Nonpareil Ramsden =101081= and Royal Red Blood =77521=, at the head of the herd. These young bulls range in age from 8 to 15 months, and are for immediate sale. They are out of good dams, which will bear inspection. Our cows and heifers will please, and you'll like the bulls. Also three extra-good grade heifers, from heavy milk-producing dams.
James McPherson & Sons, Dundalk, Ontario

SHORTHORN BULLS Will. A. Dryden

of my own breeding, around a year old; best families and good colors, are for sale. Also a few young imported bulls.
Myrtle, C.P.R. Brooklin, G.T.R. Brooklin, C.N.R.

SHORTHORNS—T. L. Mercer, Markdale, Ont.

ROSEWOOD CHAMPION, by Nonpareil Archer, Imp., at the head of the herd. I have almost 100 Shorthorns in my stables at present. Marr Misses, Campbell-bred Claretta, Nonparella, Minas, Rosemarys, etc.—the best of breeding and the best of cattle; bulls or females; also have a few Herefords.