



Get this LOUDEN Bird Proof Barn Door Hanger

and have the barn door hang and run right for all time. This is positively the finest Barn Door Hanger on the market. As its name implies birds cannot build in the track. The track is hollow with closed ends. No ice or snow in winter or trash in summer can possibly get in to clog it. Runs on two strongly braced trolley wheels always smooth and easy running. Hinged so as to make it flexible and to allow the door to swing outwards and upwards if occasion requires.

Ask for the Louden Line

—over 47 years of experience and practical experiments go to make Louden goods efficient and reliable. We make

"Everything for the Barn"

including Cow Stalls, Stanchions, Litter and Feed Cans, Hay Forks and Slings.

Write for our new Catalogue.

The LOUDEN MACHINERY CO.
Dept. 41 - GUELPH, Ont.

EVENTUALLY—WHY NOT NOW?

USE
Rice's Pure Salt
IT WILL PAY YOU
NORTH AMERICAN CHEMICAL CO., LTD.
Clinton, Ontario

CATTLE AND SHEEP LABELS

Size	Price dos.	Fifty tags
Cattle	75c.	\$2.00
Light Cattle	60c.	1.50
Sheep or hog	40c.	1.00

No postage or duty to pay. Cattle sizes with name and address and numbers; sheep or hog size, name and numbers. Get your neighbors to order with you and get better rate. Circular and sample mailed free.

F. G. James, Bowmanville, Ontario

Alloway Lodge Stock Farm
Aberdeen-Angus Cattle
Southdown Sheep
Collie Dogs

Four litters sired by Imp. Holyrood Marquis are expected shortly, three of them from imported Mitches. Order now if you wish to secure a choice pup.

ROBT. McEWEN,
Near London, Byron, Ontario

OXFORD DOWN SHEEP

We have the champion Oxford Flock of America. Winners at Chicago International, Toronto, London, Winnipeg, Regina, Brandon and Saskatoon Fairs. Present offering: 100 ram and ewe lambs, and 50 yearling ewes by imported rams. Consult us before buying.

Peter Arkell & Sons, Teeswater, Ont.

TAMWORTHS

We are now booking orders for Spring pigs, also can supply White Wyandotte settings \$1.00 per 13.

Herbert German, St. George, Ontario

MORRISTON SHORTHORNS & TAMWORTHS

Bred from the prize-winning herds of England. Have twelve young sows bred to farrow in June, dandies, and twenty young boars fit for service; also some choice cows and heifers of the best milking strain.

CHAS. CURRIE, Morriston, Ont.

TAMWORTHS—Some choice young sows, bred, for April and May farrow; also a few boars. Write for particulars.

JOHN W. TODD
R. R. No. 1, Corinth, Ontario

Cloverdale Large English Berkshires

No matter what your needs in Berkshires may be see Lang the live Berkshire man. He is always prepared to furnish anything in Berkshires. Write or come and inspect.

C. J. LANG,
Hampton, Ont., Durham Co.

Hampshire Swine

I have a choice lot of Hampshire belted hogs for sale. Will be pleased to hear from you, and give you description and prices.

J. H. Rutherford, Box 62, Caledon East, Ont.

Sunnyside, Chester Whites

Last fall and winter shows, champions, male and female, as well as many lesser winners, are now breeding in our herd; young stock, both sexes, any age.

W. L. Wright & Son, Glanworth, Ont.

Questions and Answers, Miscellaneous.

Repairing Cracked Troughs.
How can I repair cracks in a large cement water trough used out of doors for cattle only in summer; damage has been done by frost?
E. I. T.

Ans.—We have had no experience in repairing cement troughs which have been cracked by frost. The cracks, we suppose are not very wide, and it would likely be impossible to fill them with cement again, so that it will set and prevent leaking. The trouble might be gotten over by putting a lining in the trough of an inch or so more of cement, but we do not know that this would be the best method. Any of our readers who have experience in repairing cement troughs damaged in this way would do us a favor by sending their methods of repairing to this office.

Whitewash.
Kindly publish at an early date a good whitewash for outdoor purposes.
A. Mc.

Ans.—Take half a bushel of unslaked lime, slake with warm water, cover it during the process to keep in the steam. Strain the liquid through a fine sieve or strainer. Add a peck of salt previously well dissolved in warm water, three pounds of ground rice boiled to a thin paste and stir in boiling hot, half a pound of powdered Spanish whiting and a pound of glue, which has been previously dissolved in warm water, and add five gallons hot water to the mixture. Stir well and let it stand for a few days covered up from the dirt. It should be put on hot. A pint of the mixture will cover a square yard properly applied. Small brushes are best for the application.

Cropping Black Muck.
I have a piece of swamp land which has been underdrained and ploughed twice, but hasn't been cropped, composed of a deep, black muck, mostly decayed wood and vegetation. I wish to find out what would be best to grow on this.

1. Would it be suitable for fodder corn?
 2. Would it be suitable for potatoes? If not what does it lack?
 3. Are there any proven cases where cows have developed pneumonia from eating sour silage?
- E. V.**
- Ans.**—1. We have seen land of this kind produce very satisfactory crops of fodder corn. In fact if this land is not too wet this would be as good a crop as any to put on it.
2. Potatoes would likely do very well on this class of soil. There might be a tendency for too great a growth of top and if it lacked anything it would be potash. Such land should be excellent for garden and truck crops and such crops as celery.
3. Not that we have heard of.

Silo Queries.

1. How much gravel and cement is required to build a silo, 14 feet in diameter and 35 feet high?
2. How thick does foundation and wall need to be?
3. What proportion of cement and gravel is used?
4. What is best for reinforcing, and how far apart are they put?
5. How is the best way to scaffold for building silo?
6. How is concrete roof made for a silo?
7. Do you think cement blocks make a better silo than a solid wall?

SUBSCRIBER.

Ans.—1. To complete the work and make a first-class job about 45 barrels of cement, and from ten to twelve cords of gravel.

2. Foundation about 15 to 18 inches thick, and for silo 10 inches at the ground, sloping to six inches at the top.

3. Foundation about one to ten, the bulk of the wall one to eight.

4. Three-eighths inch annealed wire is good, about two bands to each curving in building.

5. Use long poles (tamarack is good) planted three feet in ground and six inches through.

6. See an article on page 591 March 26th issue. All that is necessary is plenty of reinforcing.

7. No.



The Roofing Question

SETTLE it once and for all. You don't want to have it coming up periodically—then why not decide on **Galt Steel Shingles**, and make a permanent job? The best service you can hope for from a roof of the ordinary, present-day wood shingles is from 10 to 15 years. **Galt Steel Shingles** will last a lifetime. Such a roof cannot burn, rust or decay, assuring permanent satisfaction and freedom from repairs. Write for literature and information on the roofing question. We will gladly furnish full particulars on request. Simply write the one word "Roofing" on a postcard, together with your name and address.

THE GALT ART METAL CO., Limited
150 Stone Road, Galt, Ontario.
Cor. Richard and Pine Sts., Winnipeg, Man.

One-Horse Spring Tooth Cultivator

HAS NO EQUAL.

Read the following testimonial:

The One-Horse Spring Tooth Cultivator I got from you will equal two others in cleaning out berry bushes

J. INGRAM, Union, Ont.

If there is not an agent in your locality handling the One-Horse Spring Tooth Cultivator, write us to-day. Pleased to give you prices and particulars.

The Hall Zryd Foundry Co., Limited
HESPELER, - ONTARIO
MAKERS OF PILOT STOVES, RANGES and FURNACES

Special Offering of SHROPSHIRE EWES—40 imported shearing ewes and 40 home-bred have been bred to choice imp. rams. One crop of lambs should nearly pay for them at prices asked. Also some good ewe lambs at a low price.

JOHN MILLER, Brougham, Ont.
Claremont Stn., C.P.R., 3 miles. Pickering Stn., C.T.R., 7 miles.

NEWCASTLE TAMWORTHS, SHORTHORNS AND CLYDESDALES

Present offering: boars and sows all ages. Sows bred, boars ready for service chuck full of imported blood and show ring quality; I think the best I ever bred, also younger ones of both sexes. A few nice bulls 4 to 8 months old. Heifers carrying their first calves and others with calves at foot, of splendid milking strains. Two or three nice fillies and mares that are bred to imp. stallions, all registered, prices right.

A. A. COLWILL, Newcastle, Ont. L.-D. 'Phone

CHAMPION HAMPSHIRE SWINE

We have the Champion Herd of Canada. We import more Hogs every year than all others combined; at all times we can supply either sex of any age desired. Write us.

HASTINGS BROS., Crosshill P.O., Newton G. T. R., Linwood C. P. R.

Berkshires choice selection.
S. DOLSON & SON - Norval Station, Ont.

Sunnybrook Yorkshires and Holsteins

In Yorkshires we can supply either sex from a few weeks old up to breeding age, sired by our champion boar Eldon Duke (32228), and out of prizewinning sows. Also richly-bred Holstein cattle of all ages.

WM. MANNING & SONS, WOODVILLE, ONTARIO.
Grasshill Sta., C. P. R. and G. T. R.

Cloverdale Large English Berkshires

No matter what your needs in Berkshires may be, see Lang the live Berkshire man. He is always prepared to furnish anything in Berkshires. Write or come and inspect.

C. J. LANG,
Hampton, Ont., Durham Co.

Duroc-Jersey Swine Twenty-five sows bred for fall farrow; a few boars ready for service; also one Jersey bull, 11 months, and two bulls, 6 months old, out of high-producing dams.

MAC CAMPBELL & SON, Northwood, Ont.

ELMHURST LARGE ENGLISH BERKSHIRES

From our recent importation of sows, together with the stock boar Suddon Torredon we can supply select breeding stock, all ages. Satisfaction and safe delivery guaranteed.

H. M. VANDERLIP, Breeder and Importer, Cainsville, P.O., Langford Station on Brantford and Hamilton Radial.

Large White Yorkshires

Have a choice lot of sows in pig. Boars ready for service and young pigs of both sexes supplied not akin to best British herds. Write or call **H. J. DAVIS, Woodstock, Ont.**

Long-distance 'phone. **C. P. R. and G. T. R.**