



Certain-teed Roofing

Made of best quality roofing felts, saturated with properly blended asphalts, and coated with a blend of harder asphalts. This keeps the soft saturation within from drying out, and makes a roof pliable, yet durable and impervious to the elements.

Guaranteed for 5, 10 and 15 years, according to ply (1, 2 or 3). Lasts longer. Sold by good dealers all over Canada, at reasonable prices.

General Roofing Mfg. Co.
World's largest manufacturers of Roofing and Building Papers.

Distributing centers: Toronto, Montreal, Halifax, St. John's, N. F., Winnipeg, Regina, Calgary, Vancouver.

R.M.S.P.
FORTNIGHTLY
SAILINGS
BY
TWIN-SCREW
MAIL STEAMERS
FROM
St. John (N.B.)
AND
Halifax (N.S.)
SPECIAL FACILITIES
FOR TOURISTS.
Next Sailing from HALIFAX
R.M.S.P. "Caracquet"
Feb. 11, 1916
APPLY TO THE
Royal Mail Steam Packet Co.,
57-59, Granville St., HALIFAX (N.S.)
or to the Local TICKET AGENCIES.

Yorkshire Pigs

BOTH SEXES FOR SALE

Farrowed in October from sire and dams of extra good quality. These young pigs are choice individuals. Address—

Weldwood Farm

Farmer's Advocate, London, Ont.

Tamworths Boars fit for service, young sows ready to breed, pigs of all ages for sale. Before buying, write for prices.

JOHN W. TODD
R. R. No. 1, Corinthe, Ont.

Alderly Edge Yorkshires
Young pigs both sexes born in September and March. Price right.

J. R. KENNEDY, KNOWLTON, QUEBEC.
Morriston Tamworths and Shorthorns, bred from the prize-winning herds of England. Choice Tamworths, both sexes, all ages, 150 head to choose from. Choice Shorthorns, 3 extra fine red roan bull calves, 8 mos. old, dandies, also cows and heifers of the deep milking strain. Chas. Currie, Morriston.

STOCKWOOD YORKSHIRES
Sired by my royally bred and prizewinning bull, Whitehall King of Hearts, Imp., for sale are, in calf heifers and young bulls, out of Imp. and big producing cows.

D. M. Watt, St. Louis St., P.O., Quebec
Prospect Hill Berkshires—Special offering for the trade: A fine lot of young sows that farrowed in June and July. Being bred and ready to breed, also some hours same age. Terms and prices right.

JOHN WEIR & SON, R. R. No. 1, Paris, Ont.
Yorkshire Sows for Sale—Two choice Yorkshire sows, born eight months old, weight about 275 lbs. L. D. Phone. Geo. D. Fletcher, R. R. No. 1, Erin, Ont.

Pine Grove Berkshires—Sows bred and ready to breed. Boars fit for service. Young things, both sexes, from my prize-winning herd.

W. W. Brownridge, R. R. 3, Georgetown, Ont.

Questions and Answers.

Miscellaneous.

Breeding Coons.

I intend going into coon raising, and would like to know when they mate?
A. N. McV.

Ans.—It has been found somewhat difficult to breed coons in captivity. They mate in February, and give birth to young in fifty-two days.

Kerosene or Gas Engine.

1. Would a kerosene engine, or an engine using kerosene, be any more complicated or troublesome than an ordinary gasoline engine?

2. Which would be the better for winter use? I understand the kerosene mixer uses a little water.

3. Does it require any greater quantity of kerosene than gasoline on the same load?

E. P. H.

Ans.—1 and 2. Kerosene engines are generally a little more complicated than those using gasoline, because provisions have to be made: First, for starting the engine on gasoline, and then changing to kerosene after the engine has become warmed up. It will not start on kerosene. Secondly, for drawing warm air through the carburetor to vaporize the kerosene. It requires considerably higher temperature to make kerosene evaporate thoroughly than it does for gasoline. Thirdly, a good many men are using kerosene satisfactorily in engines adapted for it, and where the engines are run constantly, day after day and week after week, a considerable saving is effected in the price of fuel. For general farm use, where the engine would not be run more than half an hour to an hour per day on the average, it would probably not be wise to bother with kerosene. For winter use, there is about the same difference between them as in summer.

3. There is more heat in a gallon of kerosene than in the same quantity of gasoline, and if everything is working properly, it will not require quite as many gallons of kerosene as of gasoline. In the larger-sized engines, provision has to be made for admitting a little water into the mixture.

W. H. D.

Quicksand in a Well—Pasture Mixture for Wet Land—Cement for a Wall.

1. I have a well, 46 feet in depth, dug in sand, with a four-foot square curb. I am bothered with quicksand in bottom. Is there any way to keep it from coming in?

2. What is the best grass or clover to sow on wet-muck land for pasture? Would white clover grow on it?

3. How many barrels of cement and yards of gravel would it take to build a wall 30 feet square, 8 feet high, and 10 inches thick? Is eight of gravel to one of cement, strong enough for a wall?

4. How many thousand feet of clapboards would it take for a wall 8 feet high and 30 feet square?

J. K.

Ans.—1. Quicksand is a difficult thing to handle. We doubt if it can be stopped from coming into your well without extending the curbing beneath the layer of quicksand. A wooden curb could be made and driven down through the sand by a pile-driver. If the well was dried, a cement wall could then be built inside the wood to make it permanent. Where it is impossible to put in a curb, the next best thing would be to drive a casing down through the sand, and secure the water supply from below the quicksand layer.

2. For low land, a mixture of red top, 4 lbs.; orchard grass, 4 lbs.; Kentucky blue grass, 2 lbs.; alsike, 4 lbs.; white clover, 2 lbs.; timothy, 2 lbs., making a mixture of 16 lbs. of seed per acre, should give satisfaction.

3. About 20 yards of gravel will be required to build the wall. This amount may be lessened somewhat by using small stone, but care must be taken not to allow the stone to come within two inches of either face of the wall. One Part cement to eight of gravel will make a sufficiently strong wall. Twenty-five barrels of cement will be required to build the wall mentioned.

4. Clapboards are usually cut one-quarter inch thick on one edge and one-half inch thick on the other. The boards are lapped one inch over each other. About 600 feet of lumber will be required.

I'LL PUT YOUR STOCK in a thriving condition, make the ailing ones healthy and expel the worms.

Why Pay the Peddler Twice My Price?

I urge every farmer to see to it right now that his work horses are put in condition for the hard work of spring and summer, so that when the sun shines your horses will be rid of their old coats, full of stamina and ready for business. And don't overlook the spring pig crop—the mortgage lifters. Start them off free from disease—free from worms. Be sure, also, that your milk cows are thoroughly conditioned for the long, heavy milking season, and that those with calf are vigorous and fit. Remember, your stock have been cooped up for the last few months and have been on dry feed. As corn or oats, hay and fodder do not contain the laxatives and tonics so abundantly supplied in grass, your stock are pretty apt to be out of fix. Some of your animals are liable to be constipated, rough in hair, their legs may have become stocky, or they have dropsical swellings, but the most common disease of all, especially among hogs, is worms—worms.

DR. HESS STOCK TONIC

25-lb. Pall, \$2.25. 100-lb. Sack, \$7.00 (duty paid)

Highly Concentrated, as the Small Dose Quantity Proves

Now, as a worm expeller, I will go the limit in guaranteeing my Stock Tonic. To clean out your hogs, put in the swill one tablespoonful of my Tonic to every two hogs twice a day and you'll make short work of the worms. Dr. Hess Stock Tonic is

A Sure Worm Expeller—A SPLENDID TONIC

This preparation of mine is 24 years old, farmers everywhere have tested it. I feed it to my own stock, for I know that it contains the necessary ingredients for enriching the blood, improving the digestion and assimilation, keeping the entire animal system clean and well regulated.

So sure am I that Dr. Hess Stock Tonic will put your animals in a thriving condition, make the ailing ones healthy and expel the worms, that I have authorized my dealer in your town to supply you with enough for your stock, and if it does not do as I claim, return the empty packages and my dealer will refund your money.

And here are my prices—just half what the peddler charges: 25-lb. pall, \$2.25; 100-lb. sack, \$7.00 (duty paid). Smaller packages in proportion. Sold only by reliable dealers who are known for square dealing.

Dr. Hess Poultry Pan-a-c-e-a

This is just the time you should be giving your poultry this splendid tonic. It will put them in fine condition, make your hens lay, ensure fertile hatching eggs and strong, vigorous chicks. Very economical—a penny's worth is enough for 20 fowl per day. Sold only by reliable dealers—14 lbs. 35c; 5 lbs. 85c; 12 lbs. \$1.75; 25-lb. pall, \$3.50 (duty paid). Guaranteed.

Dr. Hess Instant Louse Killer

Kills lice on poultry and all farm stock. Dust the hens and chicks with it, sprinkle it on the roosts, or, if kept in the dust bath, the hens will distribute it. Also destroys bugs on cucumber, squash and melon vines, cabbage worms, etc. Comes in handy, sitting-top cans. 1 lb. 35c; 3 lbs. 85c (duty paid). I guarantee it.

I have a book about Dr. Hess Stock Tonic that you may have for the asking.

DR. HESS & CLARK, Ashland, Ohio



If you have a sick or injured animal, write me at once, giving symptoms, and I will send you prescription and letter of advice free of charge. Send 2c stamp for reply.

SUMMER HILL OXFORDS

Flock established many years ago on Summer Hill Stock Farm by the late Peter Arkell, now owned by his son, Peter Arkell. Rams and ewes in any quantity for sale, all recorded. Positively no grades registered as pure-breeds; also no grades handled except by order.

Peter Arkell & Co., P.O. Box 454, Teeswater, Ont. C.P.R. Sta.

BERKSHIRES

ADAM THOMPSON,

My Berkshires for many years have won the leading prizes at Toronto, London and Guelph. Highcleres and Sallys, the best strain of the breed, both sexes, any age.

R. R. No. 1, STRATFORD, ONT.

Shakespeare Station, G. T. R.

YORKSHIRES

Our offering never better. Champion hog winner of 12 firsts, 5 championships, 2 years showing, still at the head. Boars and sows all ages, same breeding as WM. MANNING & SONS.

WOODVILLE, ONT.

DUROC JERSEY SWINE, JERSEY CATTLE

In Duroc Jersey we have either sex of any desired age, bred from winners and champions for generations back. In Jerseys we have young cows in calf, and young bulls, high in quality and high in producing blood.

MAC CAMPBELL & SONS, Northwood Ont.
Newcastle Tamworths and Shorthorns Boars ready for service. Sows due to farrow, others bred and ready to extra choice young bulls and heifer calves, recently dropped; grand milking strain, 2 bulls, 5 and 8 months old. All at reasonable prices.

A. A. COLWILL, NEWCASTLE, ONTARIO

Long-Distance Telephone

OAK LODGE YORKSHIRES

We are offering a choice lot of young sows in pig, also young sows and boars of various ages. Our Yorkshires are the quick maturing kind that show a profit to the feeder.

J. E. BRETHOUR & NEPHEWS, Burford, Ont.

ELMHURST LARGE ENGLISH BERKSHIRES

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

H. M. VANDERLIP, Breeder and Importer, R. R. 1, Brantford, Ontario

Langford Station on Brantford and Hamilton Radial.

Cloverdale Large English Berkshires!

Sows bred, others ready to breed; boars ready for service; younger stock, both sexes, pairs not akin. All breeding stock imp. or from imp. stock. Prices reasonable.

C. J. Lang, Burketon, Ont. R.R. 3.