

## PEASE "ECONOMY" FURNACE

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When your home is heated with a Pease warm air Furnace. This is good proof not only of the warmth of your home, but of the freshness and purity of the air. This is a point that many of us overlook.

"Pays for itself by the Coal it saves"

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TORONTO 1236

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everywhere to ride and exhibit a sample 1914 Hyslop Bicycle with coaster brake and all latest improvements.

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### Questions and Answers. Miscellaneous.

#### Railroad Fences.

1. Could you tell me, through your Question and Answer columns, what the requirements of the law are for railroad fences?

2. Do they have to fence against sheep? C. S. G.

Ans.—Would recommend you to write to the Dominion Railway Commission, Parliament Buildings, Ottawa, and get full particulars.

#### Chickens Die in the Shells.

What is the cause of only one-half the chickens coming out of the fertile eggs in my incubator? The chickens in the other eggs were fully hatched, just ready to come out, but they never chipped. The hatch was not over until the 22nd day. I placed a piece of damp flannel in the nursery every morning for the last week. All chickens that came out are strong. Was it for lack of moisture that the others could not chip? H. B.

Ans.—There are several reasons which might be put forth to account for so many of your chicks dying in the shell, but no doubt the greatest causes are improper operating of the incubator, or low vitality in the germs. We would judge from what you say that you had operated the incubator at too low a temperature, as we notice the eggs did not hatch as soon as they should have done. It is possible, also, that putting in the damp cloth, if cold water was used each day, may have lowered the temperature considerably at times. Also, your birds mated up to produce the eggs for hatching, may not have been as vigorous as they might have been. If they did not have free range, and were not in a vigorous condition, there is a chance that the chicks will not be strong enough to get out of the egg. The combination of these circumstances may have caused the trouble. We can suggest nothing else.

#### Cement Tile—Posts—Stone Wall.

1. Do you recommend cement tile for draining? How much per thousand does it cost to make them? Three-inch tile cost me \$17 per thousand.

2. I bought a number of old telegraph posts. I intend to cut them in two and use for fence posts. How will they last in comparison with green posts?

3. About what is the usual price charged by stonemasons for building a stone wall? G. L.

Ans.—If cement tile are properly made, at the best strength, which is 4 to 1, and under proper pressure, and after making are allowed to set well before being used, and are laid properly, they should prove efficient for all practical drainage purposes. However, as good clay tile are available at a reasonable price, we would not advise the cement. It is rather difficult to get at the cost per thousand, owing to different prices for labor and different localities, because cement and gravel are not always as available in one district as in another, and prices of labor vary. We are giving you, however, the amounts of material and time necessary to make the tile, and you can figure for yourself. It requires about 3½ barrels cement and 2 yards sand to make 1,000 three-inch tile. If four-inch tile are used, it will require four barrels cement and 2½ yards sand. Knowing the price of cement and sand in your locality, you will have no trouble in arriving at the cost of material necessary. With a hand-machine for making the tile, two men have been able to make 400 per day; with a power attachment, two men would probably make three or four times as many tile as by hand. If you get figures on the cost of the machine from parties advertising in this journal, you would have a complete record as to the cost per thousand of cement tile. The greatest saving, as compared with clay tile, generally comes in the larger sizes.

2. The fact that the posts are dry, does not lessen their value, provided they are made of good material, preferably hard wood. We would not hesitate to use old telegraph poles for fence posts. It is estimated that a season and a half will produce three cubic yards of stone wall in 24 hours, so that the work would cost \$2 per cubic yard.



## Your Roofing Needs

A GOOD ROOF should be Durable, Fire-proof, Water-tight, Sanitary, Handsome and not too expensive.

All of these requirements are ably met by GALT STEEL SHINGLES. A "GALT" roof will last from twice to three times as long as a roof of sawn and kiln dried shingles. It affords protection from flying sparks and lightning. It will not warp, split, curl or loosen. It offers no lodging place for decaying vegetable matter. The bold, Gothic design of the GALT STEEL SHINGLES is handsome and architecturally correct.

Write for literature and valuable information which will settle the roofing question for you. Simply write the word "Roofing" on a postcard, together with your name and address.

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

### GOOD LUCK CALF MEAL

A perfect milk substitute. Put up in 25 lb., 50 lb. and 100 lb. bags and sold at all dealers' for \$3.60, \$1.90 and \$1.00 respectively. If your dealer's asleep, write us.

CRAMPSEY & KELLY  
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### 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.

### 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 bitches. Order now if you wish to secure a choice pup.

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Near London Byron, Ontario

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.

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

JOHN W. TODD  
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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.

Gloverdale 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.

Morrison Shorthorns and Tamworths—Bred from the prize-winning herds of England. Have twelve young sows bred for farrow in June, and twenty young boars in for service; also some choice cows and heifers of the best milk-producing strains.

CHAS. GARRIE, Morrison, Ont.

TAMWORTHES—We are now looking for orders for our new and improved White Wyandottes, and also for our new and improved White Wyandottes, and also for our new and improved White Wyandottes.

Sunnyside Chester Whites—Last fall and winter show champion and prize-winning families, and well as many other winners and prize-winners in our herd. Write for a full description and prices.

W. F. WELSH & SON, Chamworth, Ont.

Berkshires, Minorcas, Geese, Ducks, etc.—We have a large and complete stock of all the above, and also many other breeds. Write for a full description and prices.

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### PEERLESS POULTRY FENCE

Does all you could wish of a poultry fence and more. Built close enough to keep chickens in and strong enough to keep cattle out. Even small chicks cannot get between the close mesh of lateral and vertical wires. The heavy, hard steel top and bottom wires, together with intermediate laterals, will take care of a carelessly backed wagon, or an unruly animal and spring back into shape immediately. The wires are securely held together at every intersection by the PEERLESS Lock.

#### The Fence That Saves Expense

It never needs repairs. It is the cheapest fence to erect because, owing to its exceptionally heavy top and bottom wires, but half the usual amount of lumber and posts are required.

#### Send for Literature

and address of nearest agent. We also make a complete line of farm and ornamental fencing. Agents nearly everywhere. Agents wanted in unassigned territory.

**Banwell Hoxie Wire Fence Co., Ltd.**  
Winnipeg, Manitoba Hamilton, Ontario

I have now for sale 30 extra large well-covered shearling rams 100 shearling ewes and a very fine lot of lambs from my imported ewes. Will be pleased to book orders for delivery later of any kind wanted. JOHN MILLER, Claremont, P.O., R.R. No. 2. Claremont Sta. C.P.R. 3 miles. Pickering Sta. G.T.R. 7 miles. Greenburn Sta. C.N.R. 4 miles

NEWCASTLE TAMWORTHES, SHORTHORNS AND CLYDESDALES  
Present offering: boars and sows all ages. Sows bred, boars ready for service, 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

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, 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 at reasonable prices. All breeding stock imported or from imported stock from the best British herds. Write or call H. J. DAVIS, Woodstock, Ont. Long-distance 'phone C.P.R. and G.T.R.

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

Berkshires—From our prize-winning herd of large English Berkshires we have a particularly choice offering in young boars and sows. many of them now of breeding age. Order early and get a 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 prize-winning sows. Also richly-bred Holstein cattle of all ages. WM. MANNING & SONS, WOODVILLE, ONTARIO  
Grasshill Sta., C. P. R. and G. T. R.

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