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**POULTRY**



**Variety of Food Desirable**

**V**ARIETY of feed is what fills the winter egg basket. Corn three times a day as a rule builds up fatty tissue, makes hens lazy and reduces profit.

Animal food, ground food and a generous supply of green stuff produce the best results for laying fowls.

The exercise so necessary for poultry can be provided in winter by working the grain ration well into the litter of fresh straw that should be provided as a carpet on the feeding floors. A good variety of grain should be provided, some corn, wheat, oats and barley mixed together, or fed alternately, makes a satisfactory ration.

A grain ration for winter use that has given good results consists of two parts corn, two parts wheat, one part oats and one part barley. It is recommended that the ground feed be placed in a small mash box

or trough where the hen can have ready access to it. The following mixture of ground feeds is considered to be quite satisfactory: One hundred pounds bran, 100 pounds middlings, 100 pounds ground corn, 50 pounds malt sprouts, 80 pounds meat scraps, and sufficient salt. During the fall and winter about 25 pounds of oil meal should be added to this mixture. When these feeds cannot be had, others of a like nature may be substituted. The main idea in all instances being to get a wide variety.

Buttermilk and odds and ends from the kitchen; and such green food as cabbage, alfalfa, silage and turnips are great aids to egg production. Not only more eggs, but eggs rich in protein and high in vitality with firm shells are likely to result where proper thought is given to feeding systems.

**Forcing Late Pullets**

**A**RE your pullets laying? Pullets that do not begin to lay by the time the freezing weather sets in will usually wait until spring. This means a dead loss for several months. The average poultryman cannot af-

ford to wait as the hen can have ready access to it. The following mixture of ground feeds is considered to be quite satisfactory: One hundred pounds bran, 100 pounds middlings, 100 pounds ground corn, 50 pounds malt sprouts, 80 pounds meat scraps, and sufficient salt. During the fall and winter about 25 pounds of oil meal should be added to this mixture. When these feeds cannot be had, others of a like nature may be substituted. The main idea in all instances being to get a wide variety.

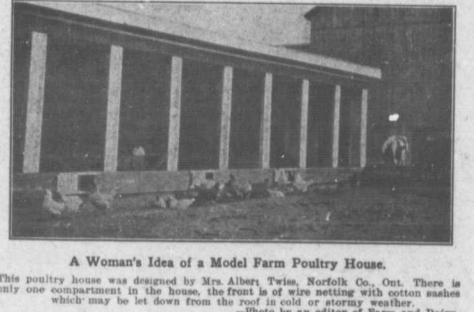
It is claimed that a freshly-laid egg placed in a bucketful of water will sink nearly to the bottom; two days old, about half way up; three days old, will float not quite at the top; four days old, just touch the top; five and six days, rise a little above the top, rising a little higher as it daily grows older.

**A Lesson in Economy**

C. C. L. Victoria Co., Ont.

Two years ago I visited a young farmer in the northern part of Ontario county; a cousin of mine, by the way. My first visit had been made nine or 10 years previously. "You have a fine line of new implements," I remarked on our tour of inspection of the buildings.

"I had the most of them when you were here 10 years ago," was the astounding reply. "There is nothing



**A Woman's Idea of a Model Farm Poultry House.**

This poultry house was designed by Mrs. Albert Twiss, Norfolk Co., Ont. There is only one compartment in the house, the front is of wire netting with cotton shades which may be let down from the roof in cold or stormy weather.

—Photo as editor of Farm and Dairy.

ford this loss if he is raising poultry for egg production.

Pullets of the Mediterranean breeds hatched not later than May 1st, and that have been reasonably well cared for during the growing period will be laying before early winter.

It sometimes happens that force of circumstances necessitate late hatching and it is these pullets that must be pushed to get them ready to lay in the fall.

Feed a ration of high protein content including such feed as beef scrap, bran, middlings and oil meal. If skimmed or buttermilk is available, it will be of value. Give the birds free range whenever it is possible. If they must be confined supplement their ration with some green feed such as sprouted oats, green alfalfa, beets, cabbage, etc. Birds fed such feeds as above, kept free from disease, lice and mites, and given plenty of exercise will develop amazingly.

**Poultry Pointers**

**G**EESSE do not relish tall, woody grasses, which have become tough. In a wild state they devour large quantities of roots of grasses and aquatic plants, which they dig from the banks and borders of streams and wash free from the shallow water. Domestic geese generally feed upon pastures, preferring moist localities where the grass is kept short and sweet by constant feeding and rapid growth. The hen furnishes a manure rich in nitrogen, and to get the most benefit out of it there should also be applications of potash and phosphate. Wood ashes will supply the potash.

new on them, but the paint. I calculate to keep the implements looking new. If you want to get comfortably wealthy on the farm, you must do it by economizing. The best way to economize in implements, I have found, is to spend a little more on paint."

Almost unbelievably, I examined all of that machinery. There were no checks in the wooden parts, no rust on the metal parts. Every place there had been paint when the implements left the factory, paint had been applied ever since as needed. At the time of my visit the plow, the plow was over and the plow stored in the implement shed. I found them all carefully cleaned, the bright parts greased to prevent rust, and a dab of paint applied here and there as needed on the plow handles.

The average life of an implement on the farm I am told by implement dealers, is about five years. I should estimate that on a 100-acre farm similar to that run by my cousin, the investment in machinery runs about \$800. At that rate the young fellow has already saved himself \$800 on implement bills by using paint and greasing judiciously. Perhaps this explains in some measure why he got rid of the mortgages so rapidly.

The annual meeting of the Experimental Union is to be held at the Goring Agricultural College on the 11th and 12th of January next. The students' officers' and students' banquet will be held at the College dining hall on Monday evening, January 10th. The programme for the Union meeting is under way, but is not yet completed.