

## POULTRY YARD

## Infertile Eggs Will Keep Indefinitely

Mr. John Riddell, president of the Peterborough Cheese Board, called at the office of The Dairyman and Farming World recently and while speaking about the keeping qualities of an infertile egg compared to those of a fertile one, stated that an egg laid by a hen in a flock in which no male bird was kept, would keep indefinitely and not be affected by the warmest weather. This is true. It has been proven by careful test that an infertile egg, or one without the life germ in it, will keep in any situation for almost any length of time without any preservative being used. During the course of some experiments which were carried on by the editor of one of the largest American poultry journals, infertile eggs were laid in the drawer of an office desk and kept there for 12 months. At the end of that time evaporation had dried up the contents of the egg to one-third its bulk, leaving it in the form of a solid, but still sweet and quite palatable. This showed that it is only necessary to keep the air away from an infertile egg, and thus prevent evaporation, in order to preserve it in its original state as long a period as desired. Notwithstanding the benefit of the system of keeping no male bird with the lay-

ing flock, our farmers and poultrymen are slow to adopt it. The idea seems fast rooted that the presence of the male is necessary for the production of eggs. This also has been proven not to be the case. The general laying flock should consist exclusively of female chickens. The only males kept should be found in the breeding pen till their season's usefulness is over and then they should adorn the family brood in the shape of a nice fat rooster. Were this done the old question, "are they fresh?" would not be heard so often.

## Feed for Chicks

What is a good feed for newly hatched chicks? How soon do they require food?

Last season we fed our chicks right from the start on the prepared chick feed sold by the dealers. We found it excellent, as it has been mixed by experts who have made a study of the needs of the chicks. It contains all they require, both as food and grit. The chicks do not need anything for twenty-four hours after they are hatched but must be kept warm. There is no better place for them until all the hatchable eggs are hatched than under the hen.

## Hatching and Rearing Chickens Artificially

R. Smith, London Co., Ont.

The first consideration in the artificial rearing and hatching of chickens is the selection of an incubator,

and a brooder. It is advisable to purchase a hot water machine. The hot water machine is more easily regulated than a hot air machine. If the lamp should go out, the former will retain its temperature longer than will the latter. We have had some experience with a hot air machine and have obtained good results from it, but of the two we prefer the hot water. Before purchasing an incubator or brooder, it is well to send for the catalogues of the leading manufacturers. From these you can make your selections. All ways get a first-class machine. A few dollars extra invested at the start may mean much more to you ere the season closes. Never permit an agent to persuade you to take a make of machine if you believe another to be superior.

All does not depend upon the incubator. One must have good eggs before he can expect chicks. Eggs for hatching should be had from hens, or from well matured pullets. Eggs from fowls that have been afflicted with roup, cholera, or any other disease should never be used. The male bird should be strong and vigorous and of good type, as he is half of the flock. It is well not to feed mushes or "egg-producing" foods, to your breeding pens. Nutritious foods, such as wheat, corn, oats or peas, should be given, with plenty of pure water and grit. Gather the eggs several times a day. Se-

lect medium sized eggs, avoiding all large, small or ill-shaped eggs.

In operating the incubator, always follow the directions of the manufacturers as closely as possible. All reliable firms have tested their machines, and know better than anyone else just what they require. Before starting the machine, it is well to disinfect it with a mixture of Zenolene. Light the lamp, and run the machine at 90 degrees for a day before putting the eggs in. The best grade of oil, wicks and burners only, should be used. Poor oil and wicks will create a nuisance. The incubator should be set a few inches from the wall. This will reduce any jars caused by shutting doors. Run the incubator at 103 degrees throughout the hatch. Some poultry men advocate 102 degrees for the first week, 103 degrees for the second, and 104 degrees for the third. They claim that as the hatch proceeds the chickens taking on the circulation of life, give out more heat than the eggs formerly did, and to regulate it at 103 degrees does not require as much heat as it otherwise would. In this matter it is hard to improve upon nature. The old hen gives the same amount of heat throughout the hatch. We have tried running the machine at different temperatures, but find that a constant temperature of 103 degrees is the most successful. Your thermometer should be tested, as many are cheap and unreliable. A crust will test it for you at little cost.

(Continued next week)

## POULTRY EXCHANGE

TWO CENTS A WORD, CASH WITH ORDER

WHITE LEGHORNS a specialty: cup winners. Eggs, \$1.50 per setting. Dunst Bros., Holmesville, Ont. c-57

BUFF ORPINGTONS—From England's best layers; both sexes, \$1.50 each. H. Bissell, Kingsdale, Ont. c-56

PERIN DUCK EGGS, \$1 per 9; \$1.20 per 15. K. Creighton, Dorchester Station, Ont. c-58

BUFF ORPINGTONS ONLY. Choice quality. Eggs, \$1.00 per 12—John Taylor, Jr., Galt, Ont. c-53

WHITE WYANDOTTES, grand strain variety layer. Eggs, \$1.50 per 12. J. Stevenson, Box 628 D, Oshawa, Ont. c-59

EGGS, BARRED ROCKS and BUFF ORPINGTONS, \$1.00 per 12, \$4.00 per 100—Wilbur Bennett, Box 296, Peterboro, Ont. c-53

FOR SALE—Eggs from an extra good laying strain of Barred Plymouth Rocks; 13 per 12, 45 eggs, \$2.50—J. F. Trevellick, Pouchers Mills, Ont. c-56

BARRED ROCK EGGS FOR HATCHING, from pens selected for laying and utility, \$1 per setting—Woodmore Poultry Yards, Fergus, Ont. c-53

SETTING OF EGGS FREE—We will give a setting of eggs of any standard variety of fowl, for only two new subscriptions to The Canadian Dairyman and Farming World, at \$1.00 a year.—The Canadian Dairyman and Farming World, Peterboro, Ont.

PRIDE OF CANADA POULTRY YARDS, L. C. Rhode Island Reds, excellent in color and shape; production layers, prize winners. Eggs, \$1.00 per setting. P. J. Widdows, Widdows, beautifully pencilled. Eggs, \$1.00 per setting. P. J. Widdows, prize winners, where quality considered. African game. Eggs, 40 cents each. Will produce winners—Bert Smith, Collville, Ont.

PROFITS IN POULTRY—Useful and ornamental broods and their profitable management. This excellent work contains the complete experience of a number of practical men in all departments of poultry raising. It is profusely illustrated and forms a unique and important addition to our poultry literature. 208 pages, 6 1/2 inches. Cloth \$1.00. The Canadian Dairyman and Farming World, Peterboro, Ont. Write for our complete catalog of books.

## Pin-Money For You, Madam!

Money you can make easily---at work you'll really enjoy, and you don't put up cash to start with, either---

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Poultry-raising, the Peerless way, is ideal work for women---and it will pay. It can be proved to you before you start that it will pay, and pay well, for just as much or as little time (within limits) as you are able to give to it. You don't need much land to start with---nor much capital (none so far as getting the outfit goes)---nor much of anything except ambition and common sense.

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