

### Some Incubator Don'ts

Don't forget to study your incubator. Get the catalogue that describes your particular machine, and study every part and the construction in general.

Don't try to run the incubator in a place where there is a draft or near a stove, or in the sun. In such places it will be impossible to maintain a uniform temperature. Set it where the temperature is uniform and you will have much better success.

Don't forget to test the eggs before setting the incubator and three times during incubation. Do not use any doubtful ones. Take no chances with any egg that you are not sure contains a fertile and vital germ.

Don't allow the lamps to burn low. Keep them trimmed correctly and as nearly full of oil as possible. Do not let them smoke. It is a good plan to clean the burners every day to insure a uniform flame and absence of smoke.

Don't place any dirty eggs in the tray. Filth may cause the generation of deadly gases, which will work ruin to many of the fertile eggs.

Don't try to place too many eggs in the trays. Eggs need room in the incubator as much as the chicks need room after they have been placed in the brooder.

Don't forget to turn the egg every second day. The hen generally turns them every day, and the person who attempts artificial incubation should see to this important essential at least each alternate day.

Don't neglect to cool the eggs every morning. The hen leaves her nest at that time for food and drink, and it is natural that the eggs should be exposed for a few minutes to the pure atmosphere.

Don't handle the eggs with dirty hands. There may be enough germs upon the hands to destroy the vitality of the germs in the eggs you touch.

Don't disturb the eggs after the eighteenth day. Better results are obtained by allowing them to remain quiet after that date.

### A Youthful Poultry Man

In Farm and Dairy, Oct. 16, the Rural School Fair was described. Among the prizes mentioned was one for the best essay descriptive of how the student cared for his or her poultry. The following essay written by Roy Brookfield, of Simcoe county, is typical of the ones handed in in the competition:

"Received my eggs on May 23, 1913, at the Lynn Valley School, and set them on 24th.

"The way I set all my hens is to clean one of the pens so they may be by themselves. Then get a box and mark it off into comfortable size for a hen. Next put about three inches of damp earth in it and cover the earth an inch or so deep with fine straw. Do not get your nest too hollow for the eggs will pile on top of one another and break. Look at your hens once a day at least to see that there is no broken eggs. I find the best food for a hen when setting is one part corn, one part wheat and one part buckwheat. Three days before the eggs hatch sprinkle them with warm water, for this assists in moistening the shell and helps the chicks. All of my eggs were hatched by June 13.

"Eight of my eggs hatched; the other four were unfertile. I can only account for six as the other two must have died. The first four weeks is the making of any chicken's life."—Roy Brookfield.

Remember that variety of ration is as much appreciated by the hens as by their owners.

## TWEED DAIRY APPLIANCES

**Fig. 1** Your greatest profit lies in keeping pace with the times

**Fig. 2** STEEL has supplanted wood. It is more sanitary, easier to clean, practically acid proof, and a hundred times as durable. We feature four lines for the up-to-date cheese factory. The "TWEED" Steel Cheese Vat, Fig. 1—Of heavy galvanized steel, perfectly rivetted and soldered. Our patent draining system insures perfect draining to the last drop. Water and steamproof asbestos lining, a perfect heat holding device. If not as represented when they reach your station, send back at our expense. Sent on approval.

**Fig. 3** The "LEAL" Milk Agitator, Fig. 1—Does away with costly equipment. Run at any speed smoothly and efficiently on steam connected from boiler, without attention. No engine, shafting, belting or pulleys required. Each agitator fitted with engine of its own.

**Fig. 4** COPPER STEEL WHOLE TANK, Fig. 2—Practically acid proof. Sulphuric acid test shows ordinary boiler plate dissolves 120 times quicker than the copper steel plate we use. Guaranteed very durable. Prices so reasonable no factory can afford to do without. Very sanitary and easily cleaned.

**Fig. 5** WHEY WEAVER, Fig. 3—Eliminates dregs. Each man gets amount of whey due him when his milk is passed through our weaver. Practical and can't lie. Adopted by Dominion Government.

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