

# THE CANADIAN Poultry Chronicle.

Vol. 1.

TORONTO, MAY, 1871.

No. 11.

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## CLUBS! CLUBS! CLUBS!—

For a Club of TEN subscribers, we offer ONE dozen Hatching Eggs of any of the following varieties:—Buff, Partridge and White Cochins, and and Brahas; for a Club of SIX subscribers, ONE dozen Silver-Pencilled Hamburgs; for a Club of FOUR subscribers, ONE dozen Light Brahas. Cash to accompany the names of the subscribers—CANADA FUNDS. Address—

ED. CANADIAN POULTRY CHRONICLE,  
BOX 25, P.O., Toronto.

## EGG TESTERS.

No housekeeper should be without an Egg-tester; it is an article as essential in the kitchen as the sand-glass, nay more so, because it is unerring. By the application of an Egg-tester the quality of the egg, whether fresh, stale or addled, can be ascertained instantaneously, and its fate decided upon—no need therefore to cook for breakfast stale or addled eggs.

But if useful to the housekeeper as a test of the eggs for domestic purposes, how much more so to the breeder in ascertaining whether eggs are sterile or fertile, and in preventing the time of hatching hens been wasted by setting on unproductive eggs, and it is to its applicability in this way we wish more particularly to direct attention in this article.

Egg-testers are not difficult of construction, and may be made by an ordinary carpenter, or indeed a handy man. The most simple is that known as "Schaefer's," which consists of a small box, say five inches each way, formed on the principle of a *camera obscura*, with a reflector of 43 degrees. There are two funnels; one of them concentrates the light passing through and from the egg on to the reflector, and should be the smaller of the two—the other is for the reception of the egg. The reflector is a piece of mirror cut to the size required for the box and placed at the angle above mentioned. The aperture in which the egg is placed is in the top of the box; that which concentrates the light on the reflector, and which the eye looks through, is in one of its sides.

By this simple yet ingenious contrivance the light is made to pass through the egg, reflect on to the mirror inside the box, and its relative clearness or opacity rendered evident to the eye placed in the position above described. The tester can be used either by daylight or gas-light.