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DEVOTED TO POULTRY, IN ALL ITS BRANCHES

For the FANCIER, the FARMER. and the SMALL BREEDER

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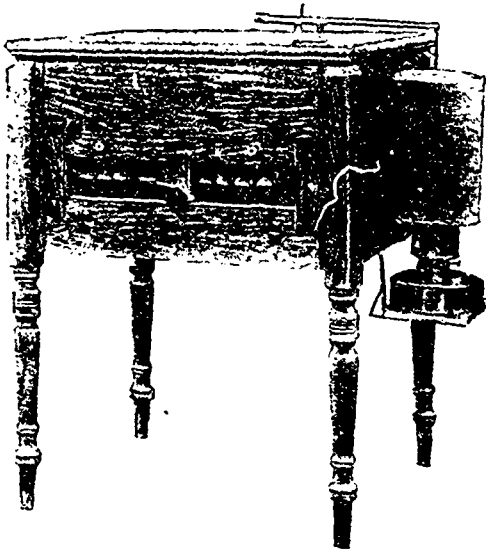
No. 5

Incubator & Brooder Department



We invite correspondence for this important department of commercial poultry raising, which is growing so rapidly in Canada

THE TORONTO INCUBATOR.



120 EGG "TORONTO" INCUBATOR.

THE "Toronto" Incubator is a double case machine and is constructed of thoroughly seasoned and kiln dried white pine. For the inside case this wood is more suitable than any other, as it is less liable to warp, twist or split under the constant heat.

The doors are extra heavy, being made from $1\frac{1}{4}$ in. white pine dressed to $1\frac{1}{8}$ in. with double glass and dead air space between, the frames being mortised and tenoned and glued together. We only know of one incubator in which the doors are as heavy, all the others use $\frac{7}{8}$ in. stuff for the frames. Cases are finished in oil to bring out the natural grain of the wood, shellacked and varnished, and make a handsome piece of cabinet work.

SYSTEM OF HEATING.

The "Toronto" Incubators are heated by pure warm air, the heat is produced by a galvanized iron heater placed on the outside of machine, which is kept hot by a single burner coal oil lamp. The heater works on the same principle as a hot-air furnace used for heating dwelling houses, the cold pure air being drawn into the heater and transformed into hot air by coming in contact with the heated metal. It then passes into the hot air chamber situated in the upper part of the machine which is so arranged that the heat is evenly distributed over the entire surface before it passes into the next chamber, which is immediately above the egg chamber.

The hot air chamber above the egg chamber is separated from it by a porous metallic partition or heat deflector which passes the hot air into the egg chamber