



No. 554  
Incubator

## Constant temperature uniformity for safe incubation

The Castle Precision Incubator operates with a constancy of  $\pm 1/5^\circ \text{C.}$  and a uniformity of  $\pm 7/8^\circ \text{C.}$ , under full load conditions, far in excess of the recommended tolerance of  $\pm 1^\circ \text{C.}$ , recommended by the American Public Health Association.

Less variation throughout the chamber is shown by the Castle because heat is transmitted by interior radiation, rather than by convection. One thermometer will suffice for accurate temperature measurements.

Thousands of calories of reserve heat, provided by twenty-two gallons of warm water, accurately controlled, compensate quickly for any heat loss caused by opening of door. Changes in room temperature, if below operating range, do not affect temperatures inside incubator.

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By

JOHN KUNKEL SMALL

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