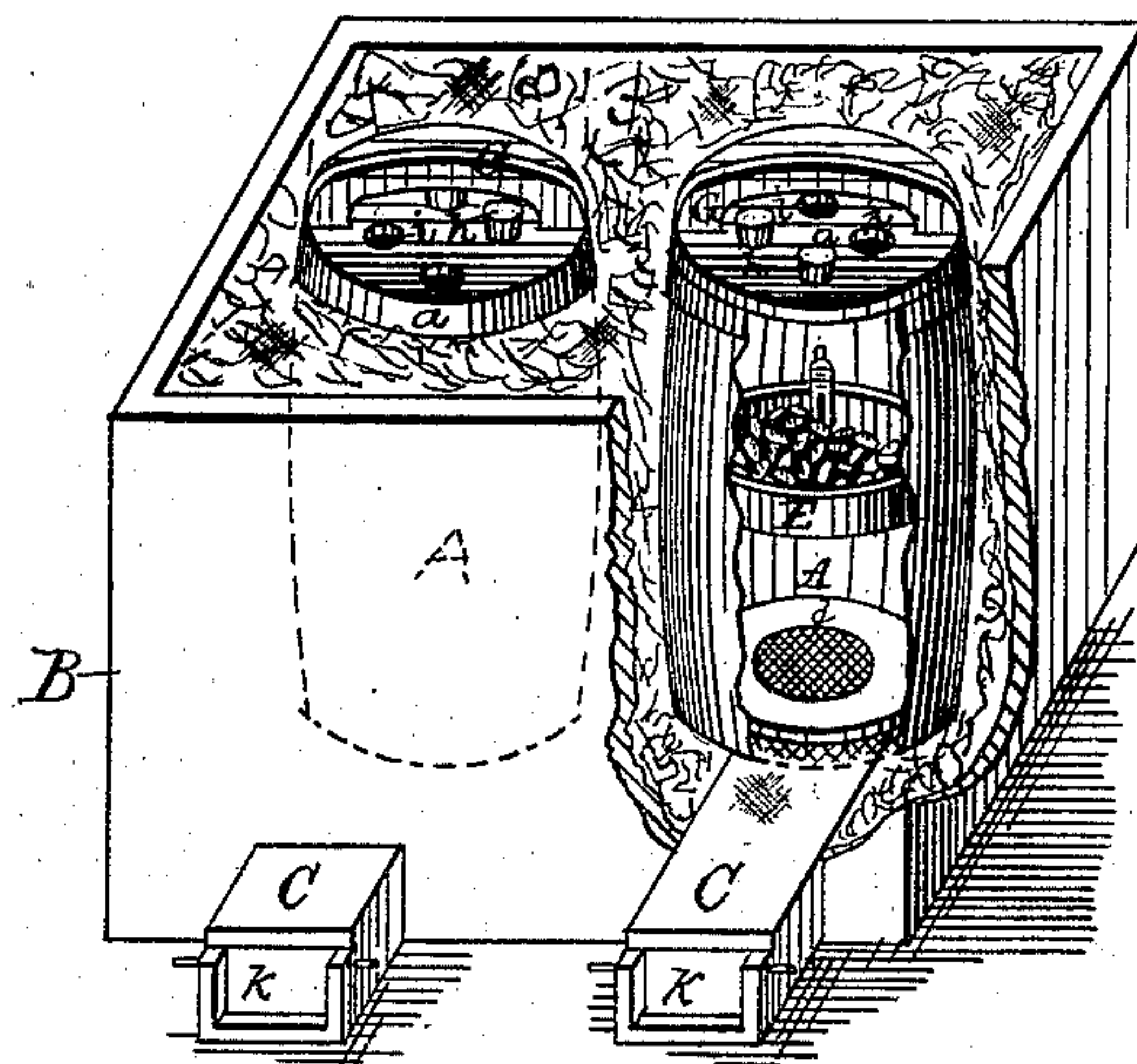


S. LEONARD & J. MAURY.
Incubator.

No. 217,121.

Patented July 1, 1879.



Witnesses:

J. M. Burnham.
N. W. Stearns.

Inventors:

Stephen Leonard
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by
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UNITED STATES PATENT OFFICE.

STEPHEN LEONARD AND JEAN MAURY, OF NEW ORLEANS, LOUISIANA.

IMPROVEMENT IN INCUBATORS.

Specification forming part of Letters Patent No. **217,121**, dated July 1, 1879; application filed November 6, 1878.

To all whom it may concern:

Be it known that we, STEPHEN LEONARD and JEAN MAURY, residents of the city of New Orleans, parish of Orleans, and State of Louisiana, have invented a certain new and useful Improvement in Incubators, &c.; and we do hereby declare the following to be a full, clear, and correct description of the same, reference being had to the annexed drawing, making a part of this specification.

This invention relates to that class of incubators in which the eggs are hatched by heat emitted from manure. It has also combined therewith an artificial mother, in which young chickens and ducks may be taken care of until they have attained sufficient size and strength to look out for themselves.

The whole invention is clearly shown in the accompanying drawing, whereon—

Figure 1 represents a perspective view of the incubator.

The incubator proper is composed of one or more barrels, A, the number depending on the size of the room or building devoted to the purpose. The said barrels are placed in a vertical position in a box, B, the height of which is somewhat greater than that of the barrels, and the bottom of which is provided with ventilating-flues C, the inner ends of each forming a support for a barrel, the latter having an opening, *d*, made in the bottom thereof, so as to correspond with one made in the upper side of its flue, thus forming an air-passage through the two.

About the center of each barrel is suspended or secured a circular box, E, having a wire bottom, upon which is placed in a single layer

the eggs to be hatched. In this box is also placed a thermometer, so that the degrees of heat therein may be readily ascertained.

The top *a* of each barrel is furnished with a number of ventilating-holes, *i i'*, any or all of which may be closed whenever desired by means of plugs, as shown at *h*.

A handle, G, is secured on the upper surface of the cover, for convenience in removing the same whenever necessary so to do.

The box containing the barrels is filled to the height of same with stable-manure, from which the requisite degree of heat is generated within the said barrels, and the ends of the ventilating-flues C, which project outside the box B, are provided with valves *k*, through which cold air is admitted to the interior of the barrels whenever it is necessary to reduce the temperature within the same.

Having described our invention, what we claim as new, and desire to secure by Letters Patent, is—

An incubator composed of a box, B, which is provided with one or more barrels, A, each furnished with a wire-bottomed box, E, cover *a*, and ventilating-flue C, the mouth of the latter fitted with a valve, *k*, the necessary heat being obtained from stable-manure, which is packed in the box around the barrels A, as described, and for the purpose set forth.

In testimony whereof we have hereunto signed our names.

S. LEONARD.
JEAN MAURY.

In presence of—

J. M. CESNEY,
P. J. FINNEY.