

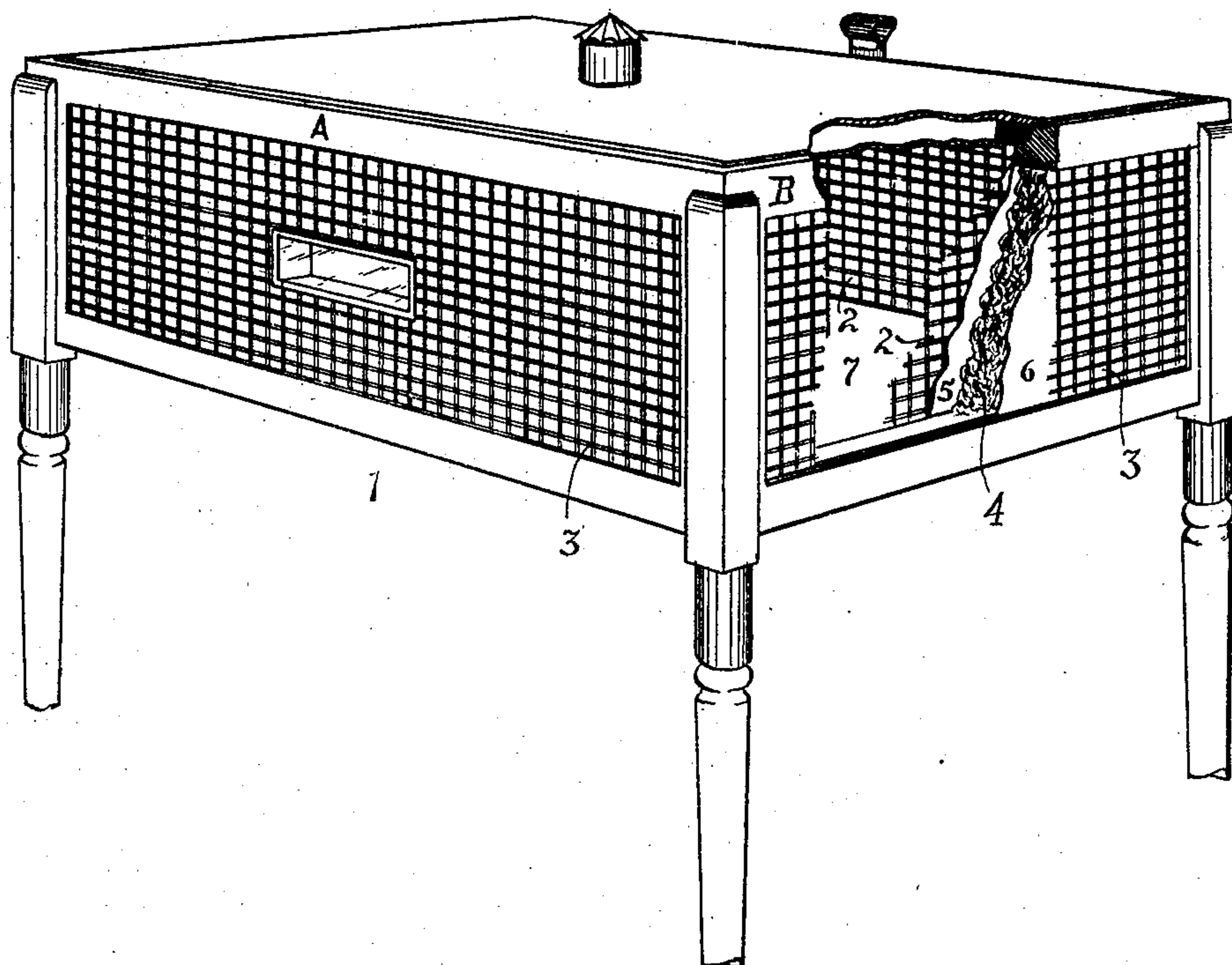
No. 762,371.

PATENTED JUNE 14, 1904.

C. W. ZIMMER.
INCUBATOR.

APPLICATION FILED OCT. 26, 1903.

NO MODEL.



WITNESSES:

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INCUBATOR.

SPECIFICATION forming part of Letters Patent No. 762,371, dated June 14, 1904.

Application filed October 26, 1903. Serial No. 178,527. (No model.)

To all whom it may concern:

Be it known that I, CYRUS W. ZIMMER, a citizen of the United States, residing at Fort Wayne, in the county of Allen and State of Indiana, have invented certain new and useful Improvements in Incubators; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, and to the letters and figures of reference marked thereon, which forms a part of this specification.

This invention relates to improvements in incubators; and the object thereof is to afford a construction whereby a uniform atmospheric condition will be effected within the hatching-chamber in respect to both moisture and temperature.

I accomplish my objects by the construction illustrated in the accompanying drawing, which shows in perspective the hatching-case with one end cut out to expose the interior.

Referring now to the drawing, 1 is a hatching-case the sides and ends of which consist each of an inner sheathing 2, composed of open woven wire, and an outer sheathing 3 of the same material. These sheathings are arranged apart, so as to hold between them a wall 4 of feathers. Sheets 5 and 6 of thin cloth are interposed between the said feathers and the sheathings, respectively, so as to prevent the feathers from escaping through the meshes of the sheathings.

A convenient manner of constructing the case 1 is to form side and end frames A and B and secure the sheathings 2 and 3, respectively, at the inner and outer faces of said frames, inclosing the wall of feathers therein, and then securing the ends of said frames together, so as to form the rectangular case 1.

By the use of feathers supported by open-mesh sheathings the air within the hatching-chamber 7 is easily kept fresh and of uniform temperature, and because of the absorbent nature of the feathers and the ready access of the air within and external of the hatching-chamber the atmospheric condition respecting moisture within the hatching-chamber is maintained at such a degree as I have found best suited for the incubation of eggs.

The air within the hatching-chamber is heated in the usual manner, and the heat therein becomes diffused by the feathers rather than reflected, as is the case where hard walls of wood or composition are used.

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

1. In an incubator, a hatching-case, the ends and sides of which consist of walls of feathers suitably supported by permeable sheathings.

2. In an incubator, a hatching-case composed of side and end frames; inner and outer permeable sheathings secured respectively at the opposite faces of said frames; and walls of feathers arranged within said frames and between said sheathings.

3. In an incubator, a hatching-case, the sides and ends of which are composed of walls of feathers; woven-wire sheathings arranged upon the opposite sides of said walls and affording support for same; and sheets of thin cloth interposed between said walls and sheathings.

In testimony whereof I affix my signature in presence of two witnesses.

CYRUS W. ZIMMER.

Witnesses:

W. G. BURNS,
M. J. BLITZ.