

(No Model.)

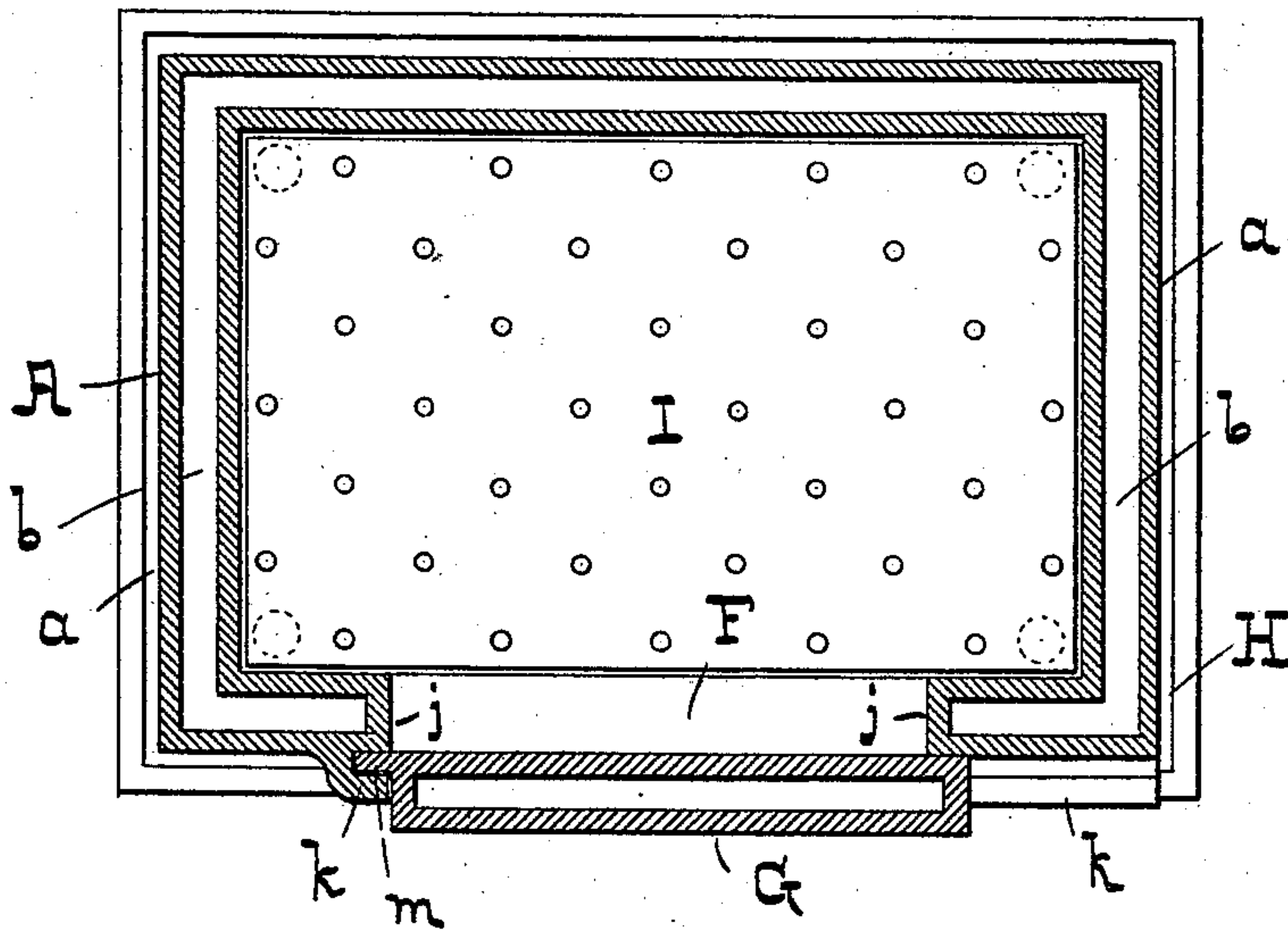
2 Sheets—Sheet 2.

J. C. MURPHY.
REFRIGERATOR.

No. 539,756.

Patented May 21, 1895.

Fig 3.



-WITNESSES-

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UNITED STATES PATENT OFFICE.

JOHN C. MURPHY, OF BALTIMORE, MARYLAND, ASSIGNOR OF ONE-HALF TO
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REFRIGERATOR.

SPECIFICATION forming part of Letters Patent No. 539,756, dated May 21, 1895.

Application filed July 5, 1894. Serial No. 516,527. (No model.)

To all whom it may concern:

Be it known that I, JOHN C. MURPHY, of the city of Baltimore and State of Maryland, have invented certain Improvements in Refrigerators, of which the following is a specification.

This invention relates to certain improvements in that class of refrigerators in which the cooling effect is produced by the evaporation of water, the walls of the chamber being made of some porous material, such as earthenware and made double whereby water may be stored, as will hereinafter fully appear.

In the further description of the said invention which follows, reference is made to the accompanying drawings, forming a part hereof, and in which—

Figure 1 is a sectional elevation of the improved refrigerator, and Fig. 2 a section of Fig. 1, taken on the dotted line *xx* and without a certain lid hereinafter described. Fig. 3 is a sectional plan of Fig. 1 taken on the dotted line *yy*.

Referring now to the drawings, A represents the body of the refrigerator, formed of some porous material such as terra-cotta. Its walls *a* are double so as to form spaces *b* for water. C is a top adapted to cover the body A and it is hollow so as to contain water as does the body. D is a hollow boss projecting from the wall *c* of the top, and extending upward to near the upper wall *d* which has an opening *f* directly over the said boss. This opening is closed by a removable lid E which has a handle *g*. The hollow boss D has holes *h* in its crown which are in communication with similar holes *i* in the lid and handle.

The object of the hollow boss and the holes leading therefrom, is to allow of the escape of warm air from the interior of the refrigerator.

On one side of the body A is an opening F having a door frame *j* around it, and exteriorly of the door frame is a grooved projection *k* into which the rabbet *m* of a door G is

adapted to slide. This door is hollow, and adapted to hold water.

The body A stands in a tray H, and in the tray and within the body is a drainer I upon which articles to be preserved are placed.

To prepare the refrigerator for use, the body A is placed in the tray H and the top C removed. The chamber or space *b* between the walls of the body *a* is filled with water as is also the top and the door. The top is then replaced on the body, and the refrigerator is ready to receive its contents or the articles to be preserved. The material of the refrigerator being of a porous nature the water percolates through the walls, and owing to the evaporation of water on the surfaces exposed to the air, the whole apparatus is cooled.

To keep the refrigerator in condition, it is only necessary to replenish the water when it becomes partially exhausted.

The articles to be kept are either introduced by way of the sliding door or they may be placed in the body after the temporary removal of the top.

I claim as my invention—

1. In a refrigerator formed of porous material, the combination of a body having hollow walls, and a removable hollow top, the said top having a hollow boss with holes in its crown, and a perforated lid, substantially as specified.

2. In a refrigerator, formed of some porous material, the combination of a body having hollow walls, one of which is provided with a door frame and a hollow sliding door, a hollow top having a hollow boss with its crown perforated and covered with a perforated lid, substantially as specified.

JOHN C. MURPHY.

Witnesses:

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GEO. E. TAYLOR.