

No. 755,408.

PATENTED MAR. 22, 1904.

J. J. STEPHENSON.
COOLER.

APPLICATION FILED NOV. 7, 1903.

NO MODEL.

2 SHEETS—SHEET 1.

Fig. 1.

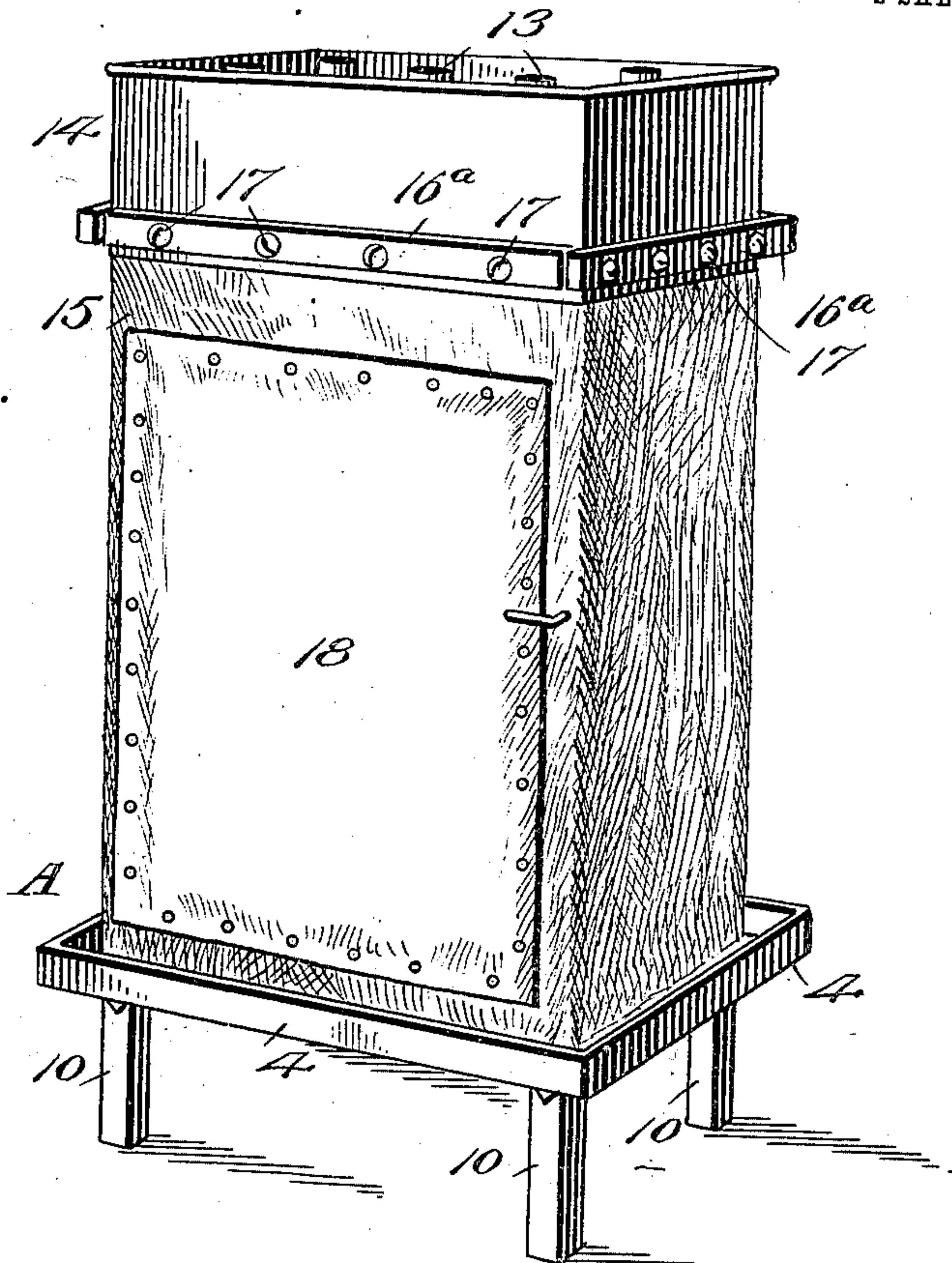
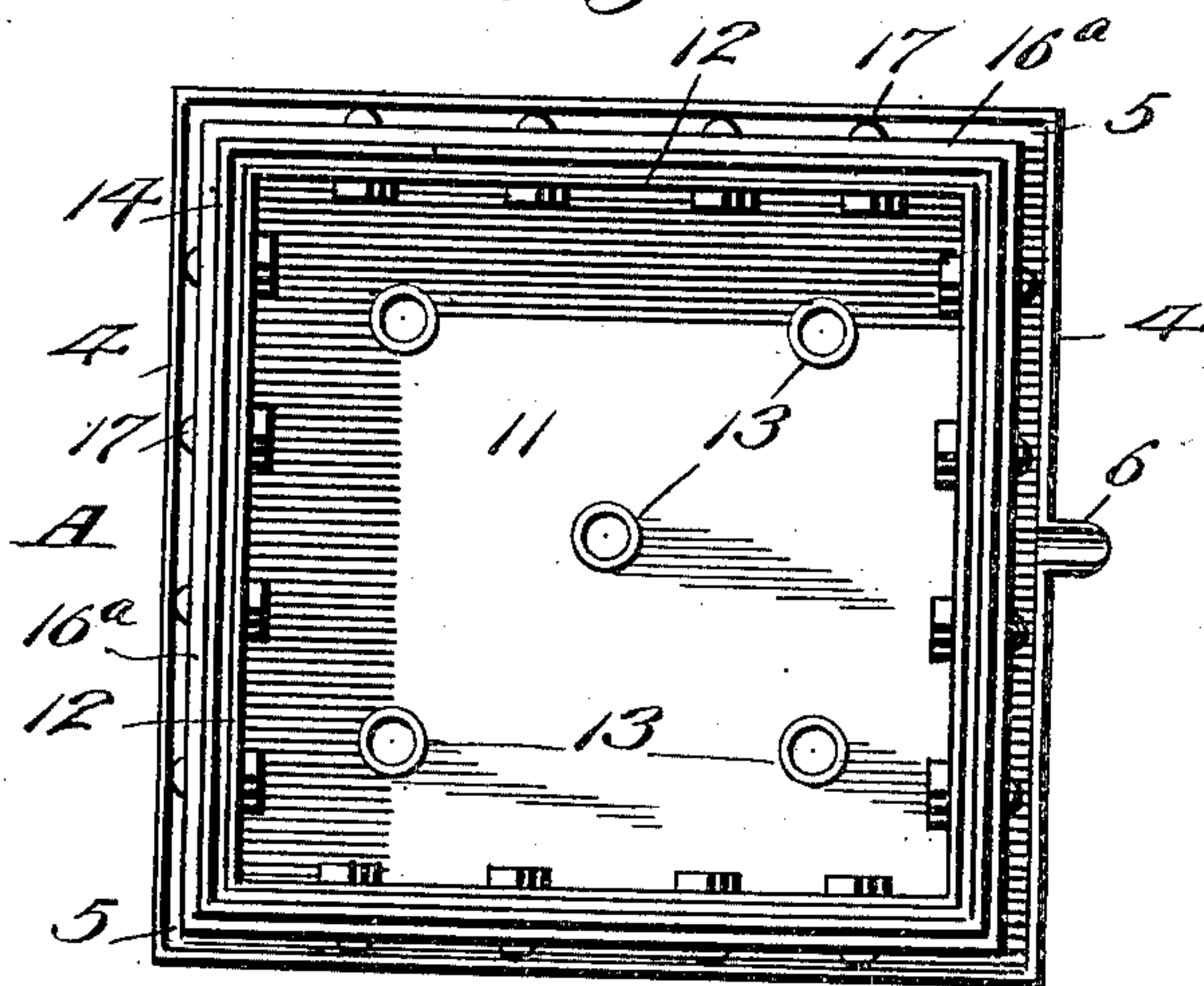


Fig. 3.



Witnesses

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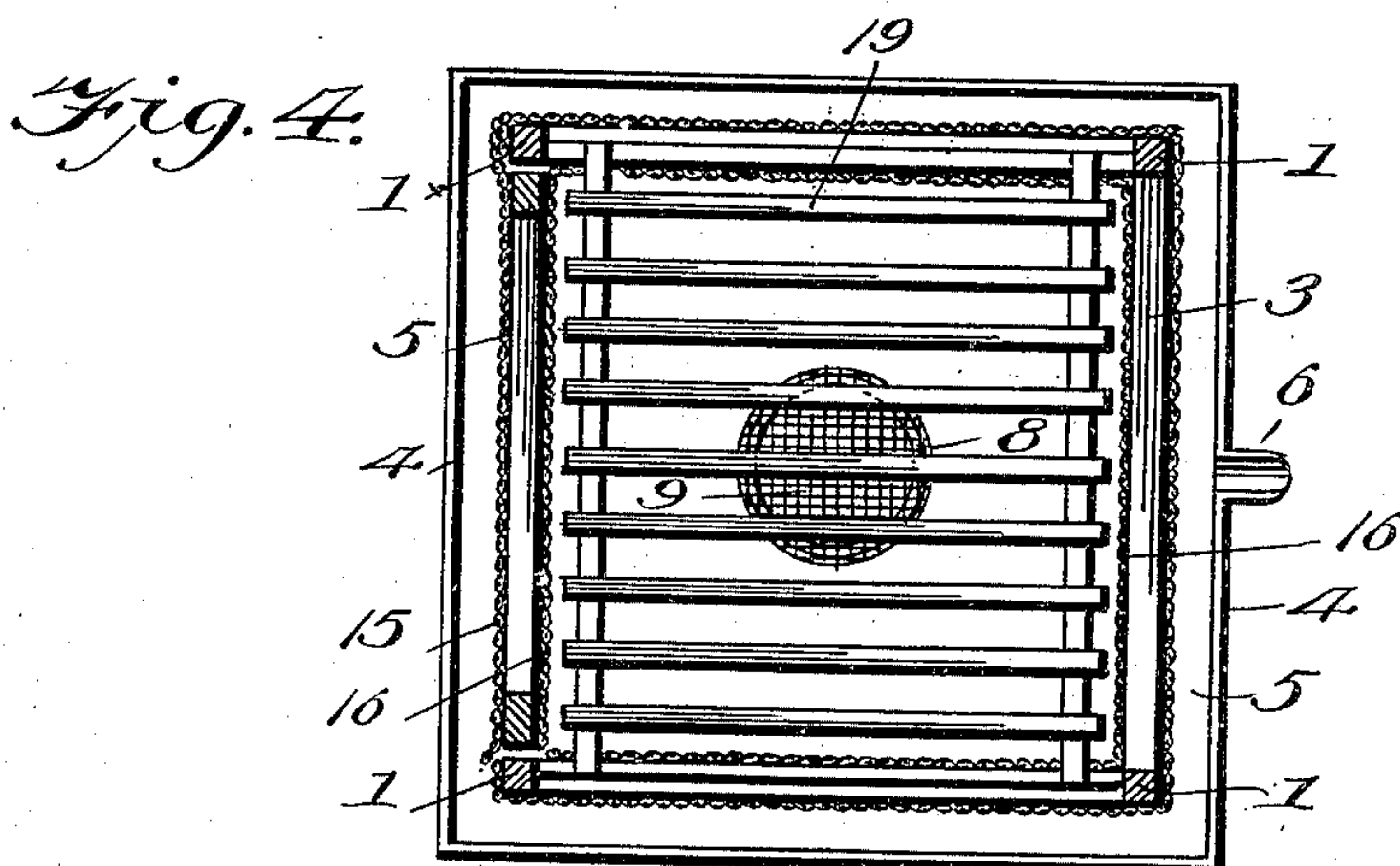
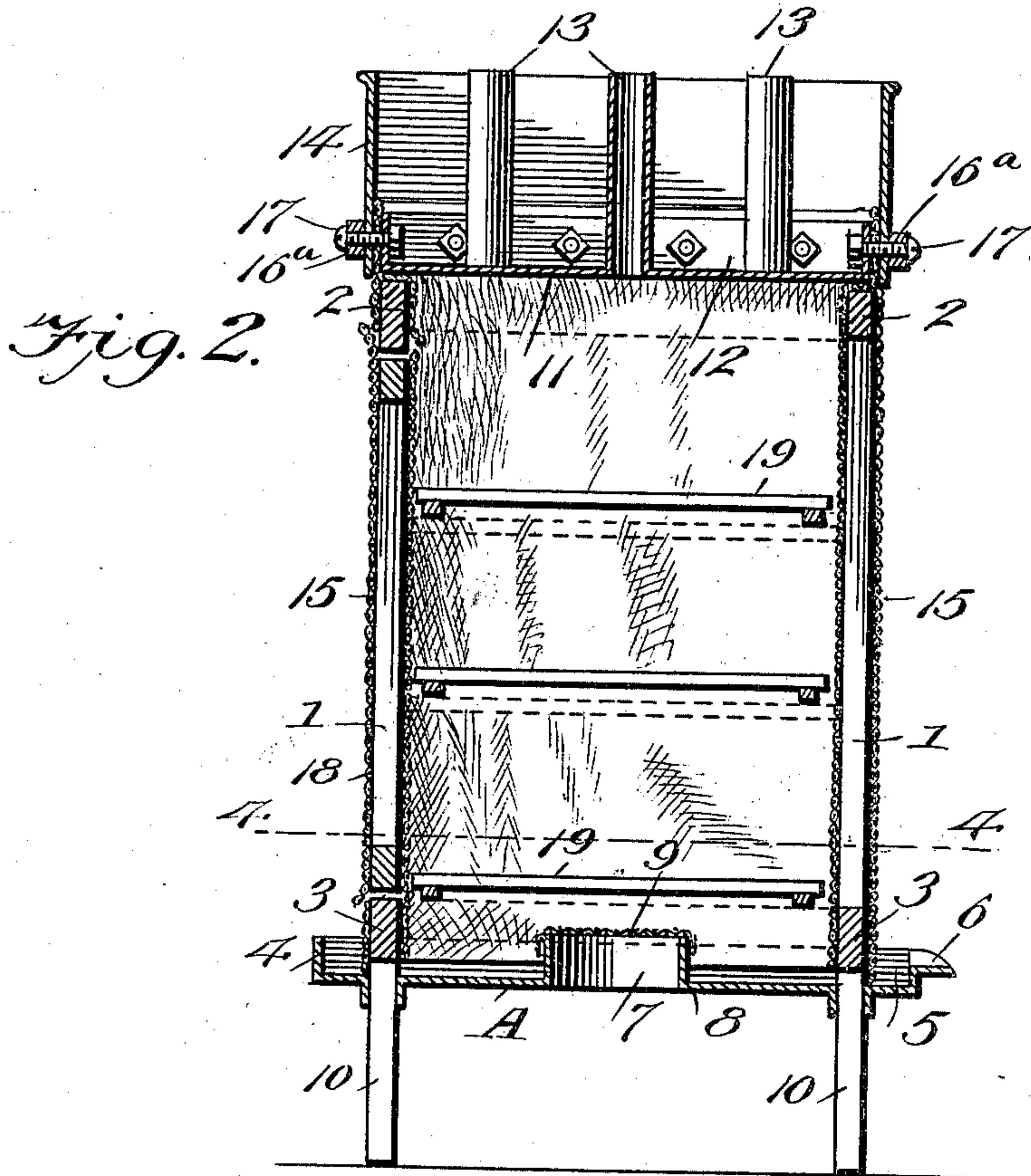
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

JOHN J. STEPHENSON, OF WINTERS, CALIFORNIA.

COOLER.

SPECIFICATION forming part of Letters Patent No. 755,408, dated March 22, 1904.

Application filed November 7, 1903. Serial No. 180,222. (No model.)

To all whom it may concern:

Be it known that I, JOHN J. STEPHENSON, a citizen of the United States, residing at Winters, in the county of Yolo and State of California, have invented new and useful Improvements in Coolers, of which the following is a specification.

My invention has relation to improvements in refrigerating or cooling devices; and the object is to provide a device for the purpose intended which is of simplified construction and efficient in the attainment of the purpose and which is particularly adapted for cooling and keeping cool and preserving provisions, milk, and other perishable supplies.

I accomplish the objects of the invention by the device or apparatus illustrated in the annexed drawings, to be taken as a part of this specification, and reference being had to the drawings.

Figure 1 is a perspective view of the improved device as set up ready for use. Fig. 2 is a vertical central cross-section through the device, showing the double textile walls, the water-supply tank, the ventilated bottom with drip-space, and the draft-pipes extending through the water-supply tank. Fig. 3 is a top plan view of the device. Fig. 4 is a horizontal section taken on line 4 4 of Fig. 2.

In the drawings like parts appearing in the several illustrations are designated by the same reference-notations.

A suitable supporting-frame is provided of such height and capacity as will suit the dimensions and capacity of the receptacle when completed. This frame is made up of corner-posts 1, secured at their tops and at their lower portions by cross-pieces 2 3. A designates the bottom of the receptacle, made of some non-corrodible sheet metal and of greater diameter than the receptacle, so that its turned-up vertical sides 4 will form the outer walls of a water-space 5 between the lower edge faces of the receptacle and seal the receptacle against the invasion of bugs or insects. A drip-spout 6 is provided to permit the surplus water to flow off. In the center of the bottom is a ventilating-opening 7, surrounded by a vertical flange 8 and is covered with a finely-reticulated cap 9, admitting air and excluding bugs.

The corner-posts of the frame extend through this bottom, forming the legs which support the device, as indicated at 10. The openings through which the legs project are sealed in any suitable manner to prevent leakage. The water-supply tank is seated on the upper end of the frame. This tank comprises a bottom pan 11, having a continuous vertical flange 12 and provided with a desired number of ventilating-pipes 13, opening through the pan and extending above the water-line. The other member or part of the water-supply tank is a square open-end metal casing 14, setting loosely over and about the flange of the pan 11, so as to permit the insertion and arrangement of the upper portion of the absorbent textile between the flange and the inner face of the casing.

15 16 designate textile absorbent material extending about the inner and outer faces of the frame, with their lower ends reaching into the bottom pan and secured to the frame by any fastening means suitable for the purpose, as by tacks or headed screws. The upper ends of the absorbent material are placed between the flange 12 and the inner face of the casing and then secured by clamping-plates 16, arranged along the outer face of the casing, and screws 17, projected through the plates, the material, and the casing and flange of the pan, as indicated in the drawings. It will be seen that this clamping means serves the double purpose of holding the textile absorbing material in place and also as means for regulating the flow or passage of the water from the supply-tank to the textile material below the tank. This regulation is convenient at any time and sometimes is necessary, especially in cases where currents of air may cause accelerated evaporation and the textile material dries out faster than desired. Then by loosening the clamping-screws to suit the tension of the clamp will be lessened and the water will be fed more freely.

The arrangement of the double walls with the space between has the advantage of increasing the cooling capacity of the device, since it contributes to making one wall cool the other.

A door 18 is provided which has the textile

material stretched on both sides, as seen in the drawings, and in the receptacle are arranged any desired number of trays or shelves 19.

It may be stated that in some instances a
5 single outside covering of textile material may be used instead of the double construction and arrangement.

To utilize the cooler, all that is necessary is to fill the supply-tank with water and at the
10 same time pour a proper quantity of water in the pan at the bottom, and the saturation of the textile material will soon be accomplished by well-known processes.

Having thus fully described the invention,
15 what I claim as new is—

1. A cooler of the character described comprising a frame, a drip-pan supported by the frame, and having a ventilating-opening, a water-supply tank carried by the frame, and
20 consisting of a bottom section having ventilating-tubes, and an outer casing arranged loosely about the bottom section, a textile absorbent material about the frame with its upper end disposed between the flange of the
25 bottom section and the casing and its lower

end reaching into the drip-pan, clamping-plates on the casing, and clamping-screws projected through the plates, the casing, the textile material and the flange.

2. A cooler of the character described com- 30
prising a frame, a drip-pan supported by the frame and having a ventilating-opening, a water-supply tank consisting of a bottom section having ventilating-tubes, and a vertical
35 flange about it, and an outer casing arranged loosely about the bottom section, inner and outer textile absorbent material about the frame, disposed with a space between them, and having their upper ends between the
40 flange of the bottom section and the casing and their lower ends extending into the drip-pan, clamping-plates on the casing, and clamping-screws projected through the plates, the casing, the textile material and the flange.

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

JOHN J. STEPHENSON.

Witnesses:

JOHN W. OLTMANN,
M. NATHAN.