J. C. JONES.

Refrigerating-Tubes.

No. 156,799. Patented Nov. 10, 1874.

Fig. 1

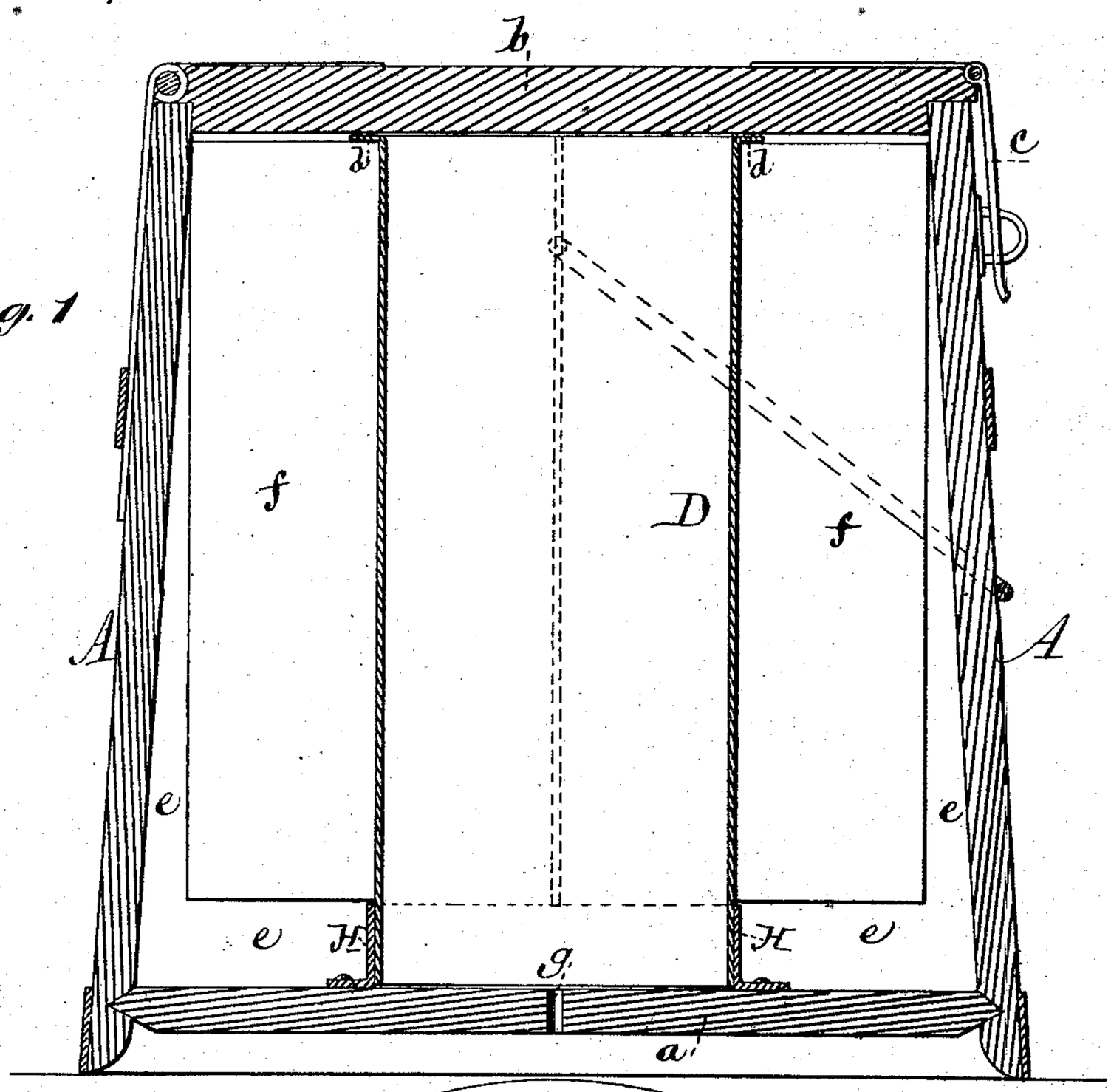
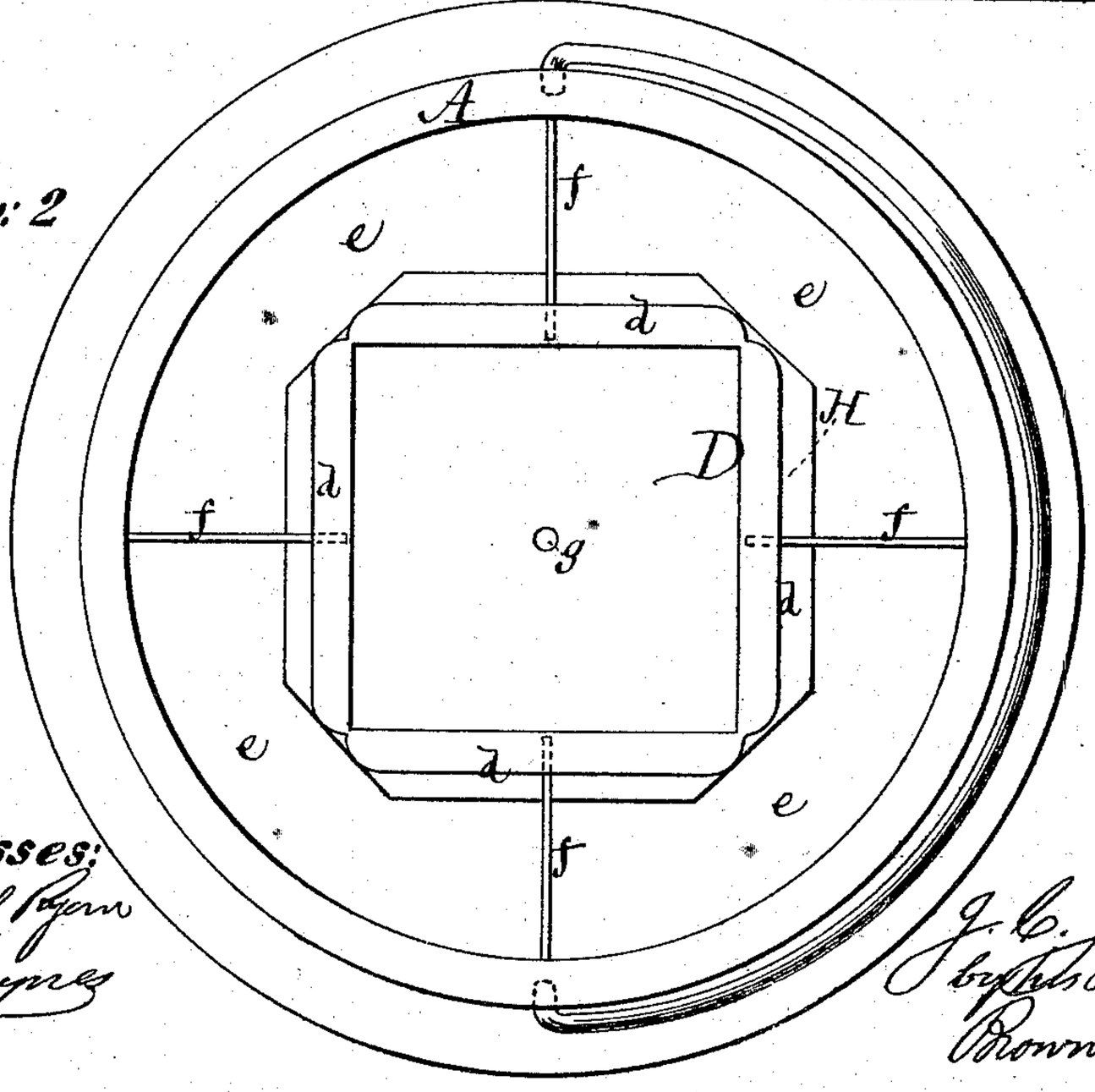


Fig. 2



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UNITED STATES PATENT OFFICE.

JAMES C. JONES, OF NEW YORK, N. Y.

IMPROVEMENT IN REFRIGERATING-TUBS.

Specification forming part of Letters Patent No. **156,799**, dated November 10, 1874; application filed October 15, 1874.

To all whom it may concern:

Be it known that I, JAMES C. JONES, of the city, county, and State of New York, have invented a new and useful Removable Refrigerator for Pails and other Vessels; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing making part of this specification.

My invention relates to a means for keeping shelled oysters and similar articles in a state of preservation while being transported in bulk to distant places in pails, casks, and other vessels.

The invention consists in a metallic ice-chamber of novel construction, adapted to be placed in and removed from a pail or other vessel without interfering with the use of such vessel independent of an ice-chamber, when desired, and provided with attached mugs for centering and holding the chamber in place and increasing its cooling capacity.

In the accompanying drawing, Figure 1 is a vertical section, showing the invention as applied to a pail. Fig. 2 is a top view of the same with the cover of the pail removed.

The pail A is provided with a close-fitting cover, *b*, which may be hinged to the pail, and provided with a hasp, *c*, or other suitable means for fastening it when closed. The refrigerator consists of a metallic chamber, D, of about the same height as the inside of the pail between the bottom *d* and the lid *b*, but of much less diameter, so as to allow a space, *e*, inside of the pail and outside of the chamber sufficient to contain the oysters or other articles to be packed therein. The chamber D may be of cylindrical or angular shape in its cross-section, as may be preferred. From its outer sides any number of wings *f* extend outward a sufficient distance to merely touch the inner surface of the pail, so as to center the chamber and hold it steadily in position when placed in the pail, the length or height of the wings being about equal to that of the chamber, so as to divide the space *e* into a corresponding number of parts. The wings *f* need not be strictly radial in their direction, nor of the exact shape and size shown in the drawing. These wings serve the additional purpose of conductors to cool the stock in the pail or vessel. Both the upper and lower ends of the chamber are open. The upper end has its edge turned outward all around, so as to form a flange, *d*, for the purpose of strengthening it, and forming a surface for the cover *b* to bear upon. The lower end rests upon the bottom *a* of the pail A, and is held in place by a flanged socket, H, attached to said bottom, and fitting around said lower end of the chamber. Instead of the flanged socket attached to the bottom *a*, the chamber D may have a flange formed around its lower end, which flange may be perforated for engagement with one or more studs projecting upward from the bottom, and the lower end of the chamber may thus be held in place. The ice is placed in the chamber D, and as it melts the drippings escape through an orifice, *g*, in the bottom *a*. The stock is packed in the space *e* between the chamber and the sides of the pail, and between the wings *f*, and by the action of the refrigerator the stock is kept in a state of preservation. The wings *f* serve to increase the cooling capacity of the refrigerator, as they constitute metallic conductors, and present a larger cooling-surface to the stock than would otherwise be presented.

What I claim as new, and desire to secure by Letters Patent, is—

A refrigerator for pails and other vessels, consisting of a chamber, D, provided with attached centering and conducting wings *f*, and adapted to be placed in and removed from the vessel, substantially as and for the purpose shown and described.

J. C. JONES.

Witnesses:
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