

(No Model.)

I. R. GILBERT.
PRESERVING JAR.

No. 536,869.

Patented Apr. 2, 1895.

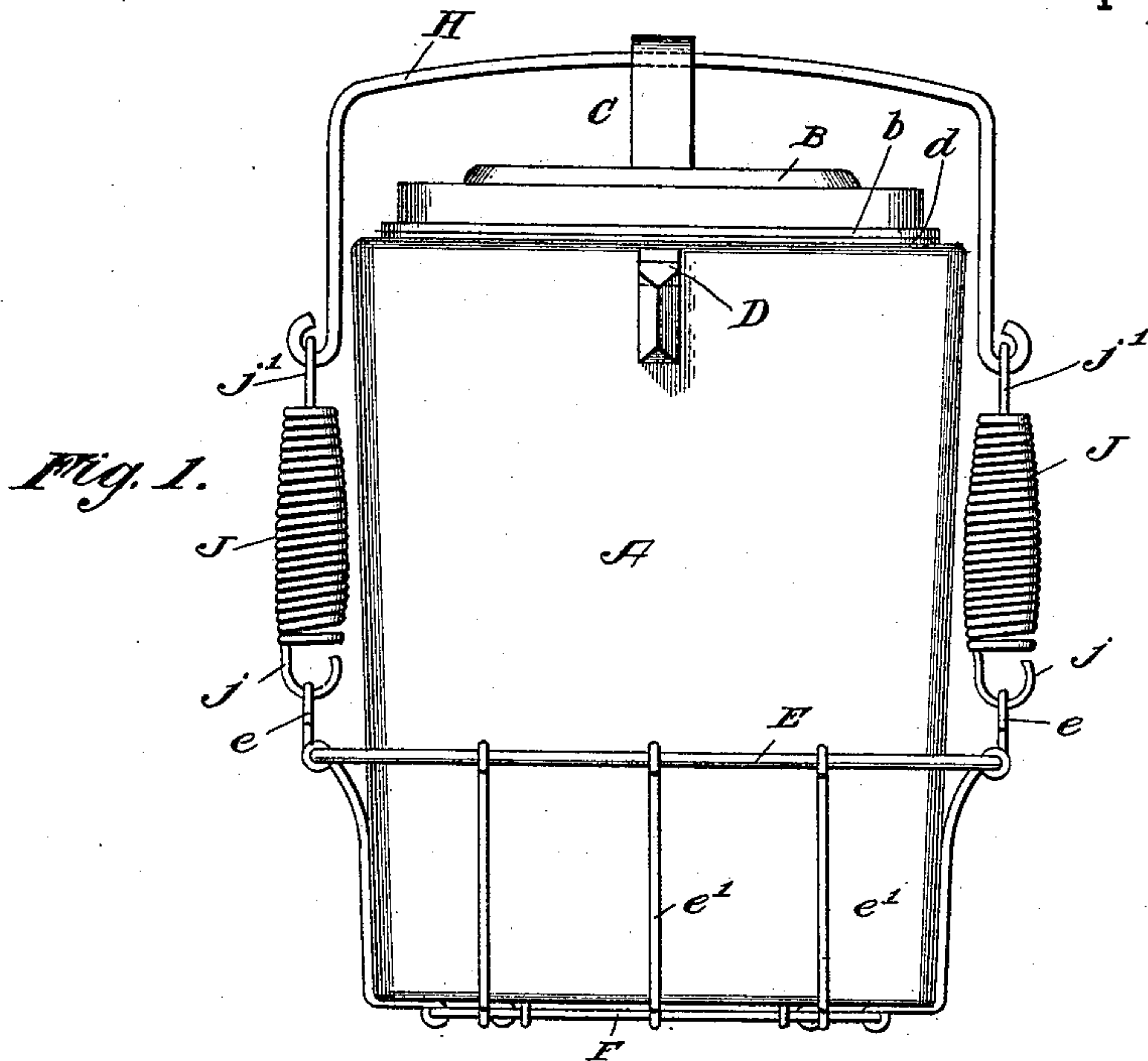


Fig. 2.

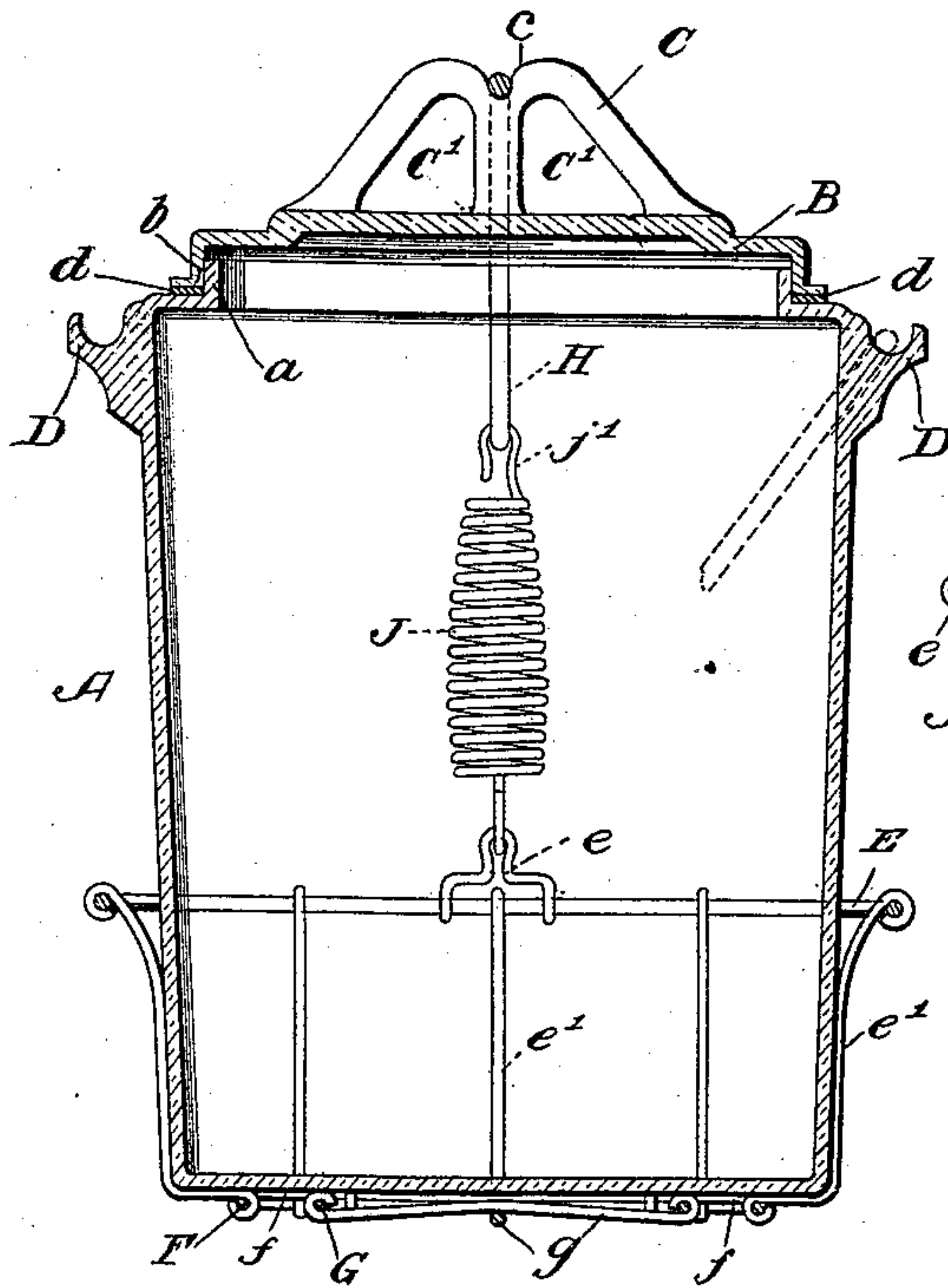


Fig. 3.

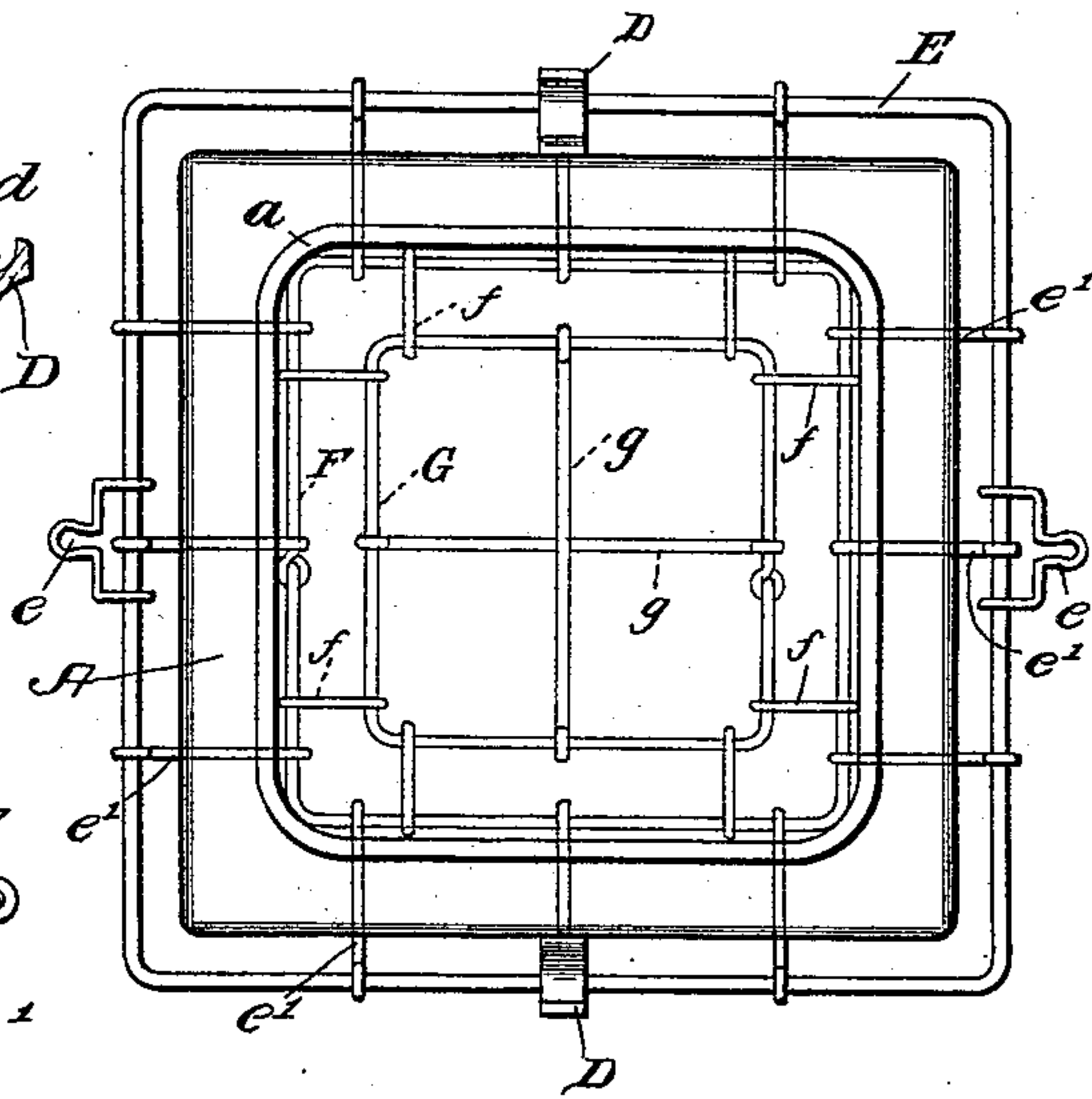
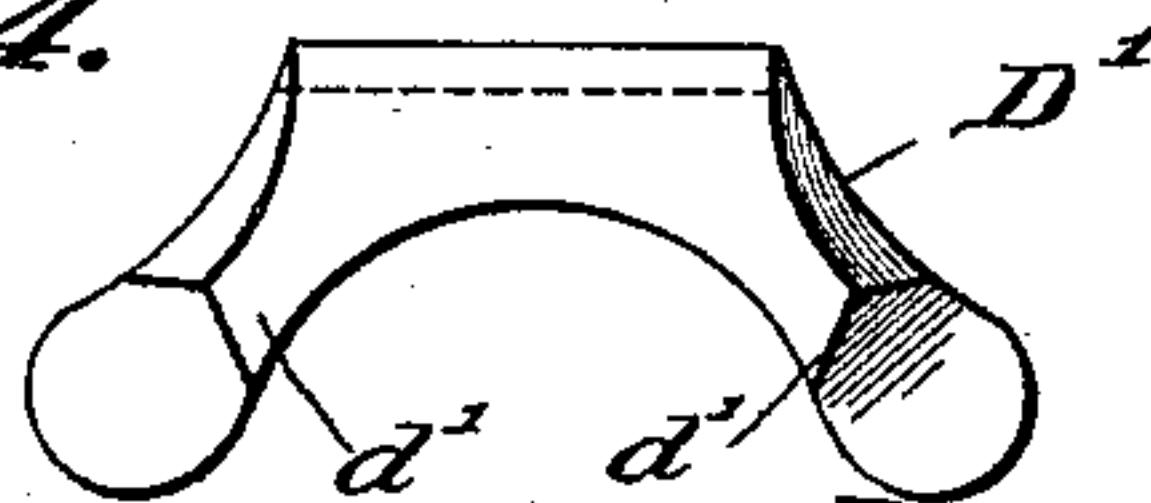


Fig. 4.



Attest.
Edw. J. Swall, Jr.
B. L. Tiffany

Inventor:
Ivan R. Gilbert,
per Fred E. Becker, Att'y.

UNITED STATES PATENT OFFICE.

IVAR R. GILBERT, OF MANCHESTER, NEW HAMPSHIRE.

PRESERVING-JAR.

SPECIFICATION forming part of Letters Patent No. 536,869, dated April 2, 1895.

Application filed January 5, 1895. Serial No. 533,912. (No model.)

To all whom it may concern:

Be it known that I, IVAR R. GILBERT, a citizen of the United States, residing at Manchester, in the county of Hillsborough and State of New Hampshire, have invented certain new and useful Improvements in Preserving-Jars; and I do hereby 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.

This invention refers to an improvement in jars for keeping and preserving butter, cream, fruits, pickles, and other similar articles, the object being to provide an air-tight receptacle of any desired shape and size, wherein articles of the character referred to may be kept in a sweet and wholesome condition.

The invention consists essentially in special mechanism for securely fastening the cover upon the mouth of the jar, and in numerous details of said mechanism, and also it consists in the construction, arrangement, and combination of parts substantially as will be hereinafter described and claimed.

In the annexed drawings illustrating my invention: Figure 1 is a side elevation of my improved preserving jar. Fig. 2 is a vertical section of the same. Fig. 3 is a bottom plan view. Fig. 4 is an enlarged detail view of a modified form of the bail support.

Like letters of reference denote like parts in all the figures of the drawings.

A denotes the jar, which is preferably made entirely of glass. Glass is preferred as a material, because when it is used, there is nothing to corrode when the brine of the butter, for instance, comes in contact therewith. The jar may be designed to contain anything that one may wish to keep from taint, or to preserve from mold and decay. The size of the jar may of course vary greatly. A convenient size is, say, one capable of holding five or ten pounds, more or less, but I cite this merely as an example. The opening or mouth of the jar I generally prefer to make square with the corners rounded, but I am not to be restricted to this or any other shape. The mouth is provided with an encircling flange *a*. See Fig. 2. The cover B is preferably made of glass also. It is provided with an encircling flange *b*, that fits down nicely over the flange *a*. A rubber

ring, gasket, or packing *d* lies under the flange *b* on top of the jar and around the flange *a*, so that an air-tight joint is made when the cover is in place on the mouth of the jar. The cover B is provided with a transverse handle C having a couple of finger openings C' C', into which the fingers may be inserted in manipulating the cover, or in lifting the jar when the cover is fastened in the manner to be presently described. The upper edge of the handle C is provided with a central notch or indentation *c*, which is engaged by the hoop or bail H, as I shall presently specify.

The lower end of jar A rests within a basket, or wire net, or dish, which serves to protect the jar from injury, besides affording a frame to which the closure springs for the cover may be connected. The wires composing this basket may be interlaced and fastened together in any desired manner but I preferably provide a rectangularly bent wire E that surrounds the jar A a short distance above the bottom thereof. Underneath the bottom are two or more squarely bent wires, F and G, the members of the square G being connected by the cross-wires *g g*, while the wires F and G are connected by the series of links *ff*. The wire F and the wire E are connected together by the series of bent wires *e' e'*. I have given this detailed description of the construction of the basket in order to show one way in which it may be made, but I reserve the liberty of netting it in any other way. The upper edge wire E of this basket is provided at points diametrically opposite to each other, on opposite sides of the jar, with loops *e e*.

J J designate two spiral springs, which are located in vertical positions on opposite sides of the jar A. The lower ends of these springs are formed with hooks *j* that engage the loops *e*, and their upper ends have hooks *j'*, that engage the ends of the bail or hoop H, which extends over the top of the jar and its cover, and is adapted to engage the handle C by dropping into the notch *c* therein, as shown in Figs. 1 and 2. It will thus be seen that I provide a spring bail which engages the cover and keeps it close and tight upon its seat, so that an air-tight closure is made. The springs J J will have considerable strength, and will be capable of exerting a pressure of, say, ten or twelve pounds. Therefore they will not only hold the

cover rigidly in place, but will hold it so firmly that the handle C may be used to lift the jar about. These springs are of high efficiency in keeping the cover air-tight. If the jar or cover
 5 expands in consequence of heat, the springs will automatically expand, and if they contract by cold, the springs will likewise contract, and all the while they will exert substantially the same closing pressure on the cover. The bail
 10 H may be readily disengaged from the notch c and removed to one side or the other and allowed to rest in one of the bail supports D until the user of the jar is again ready to fasten the cover. These supports D may be integral
 15 with the jar as shown in Fig. 2, or they may have the form shown at D' in Fig. 4 where they have the lugs d' d' , and are attachable to the side of the jar. The springs J J may, instead of being attached to a basket as de-
 20 scribed, be fastened to lugs cast on the side of the jar, in which case the basket may be dispensed with. Further the springs J J may be made integral with the bail H, out of the same wire, if preferred.

25 Many changes in the exact construction and

precise arrangement of the various parts may be made without departing from my invention.

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

1. In a preserving jar, the combination with the jar, its cover having a handle, a basket that receives the bottom of the jar, a bail engaging the said handle, and springs connecting the bail with the basket, substantially as
 35 described.

2. In a preserving jar, the combination with the jar, and its cover having an indented handle, of a bail engaging said handle, a basket that receives the bottom of the jar, spiral
 40 springs connecting the said bail and the basket, and bail rests on the side of the jar, substantially as described.

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

IVAR R. GILBERT.

Witnesses:

GEO. H. WARREN,
 ALBERT O. BROWN.