

Rohrbacher & Hornmann,

Fruit Jar.

N^o 81,296.

Patented Aug. 18. 1868.

Fig 1.

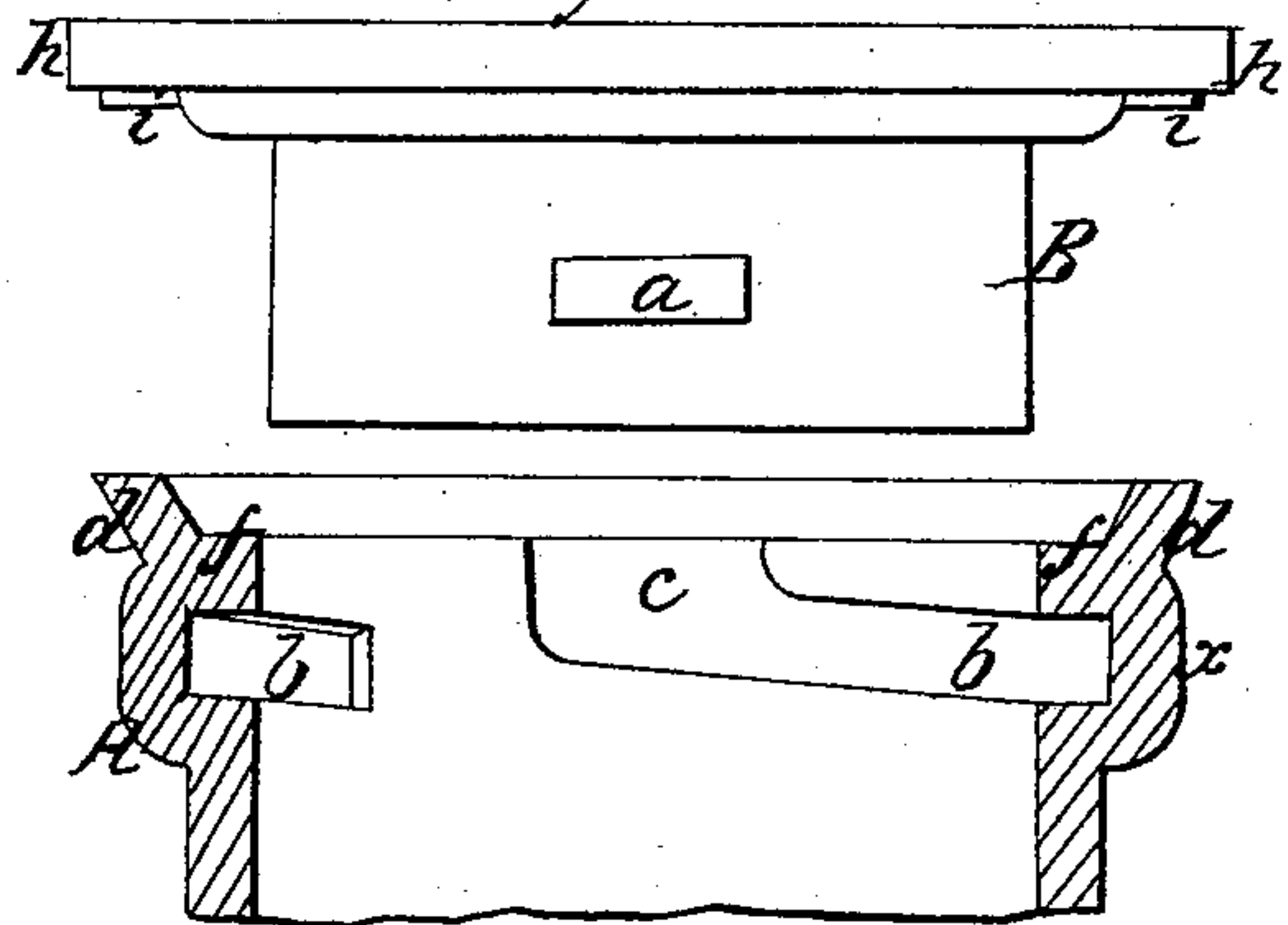


Fig 3.

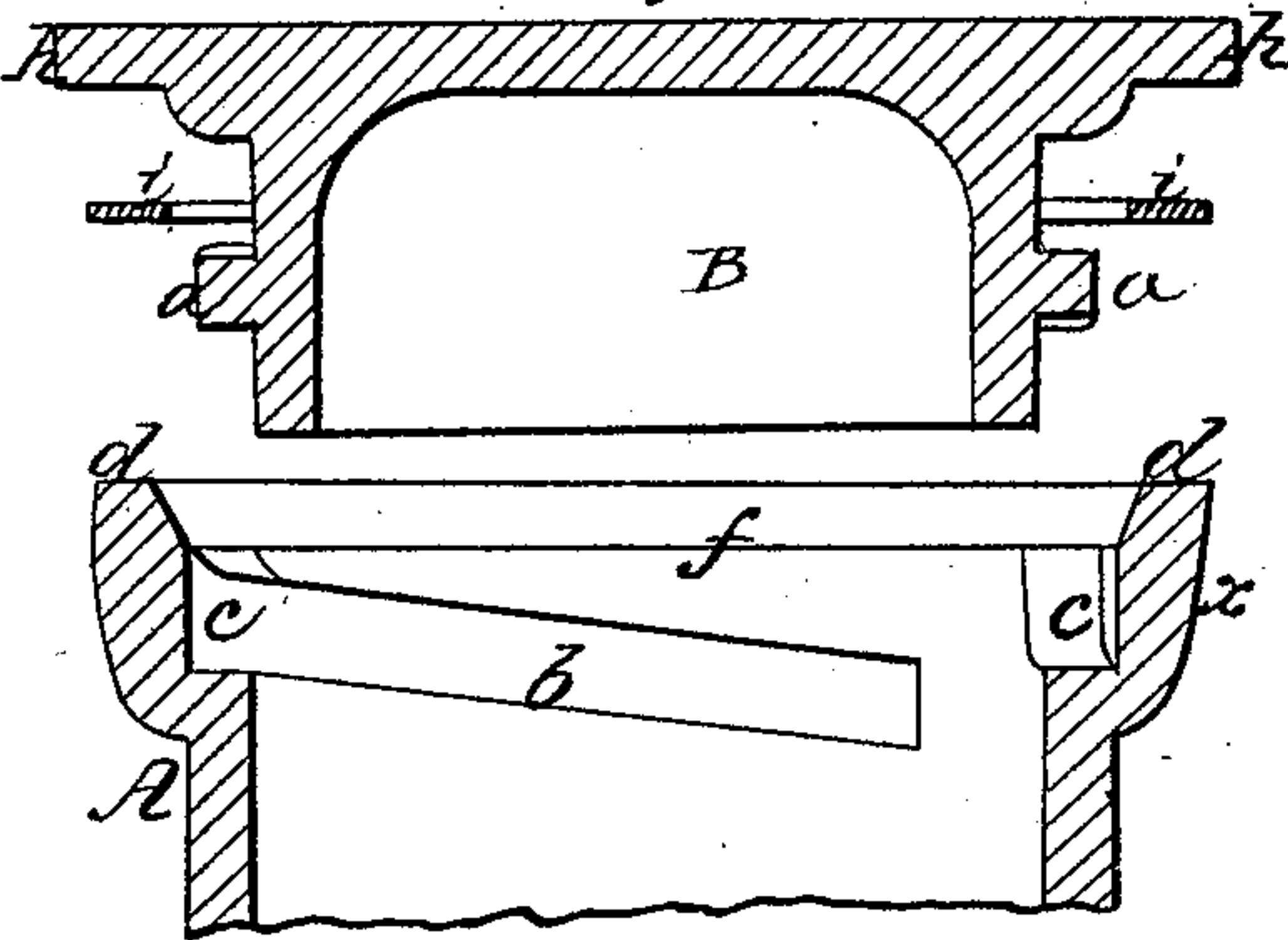


Fig 2.

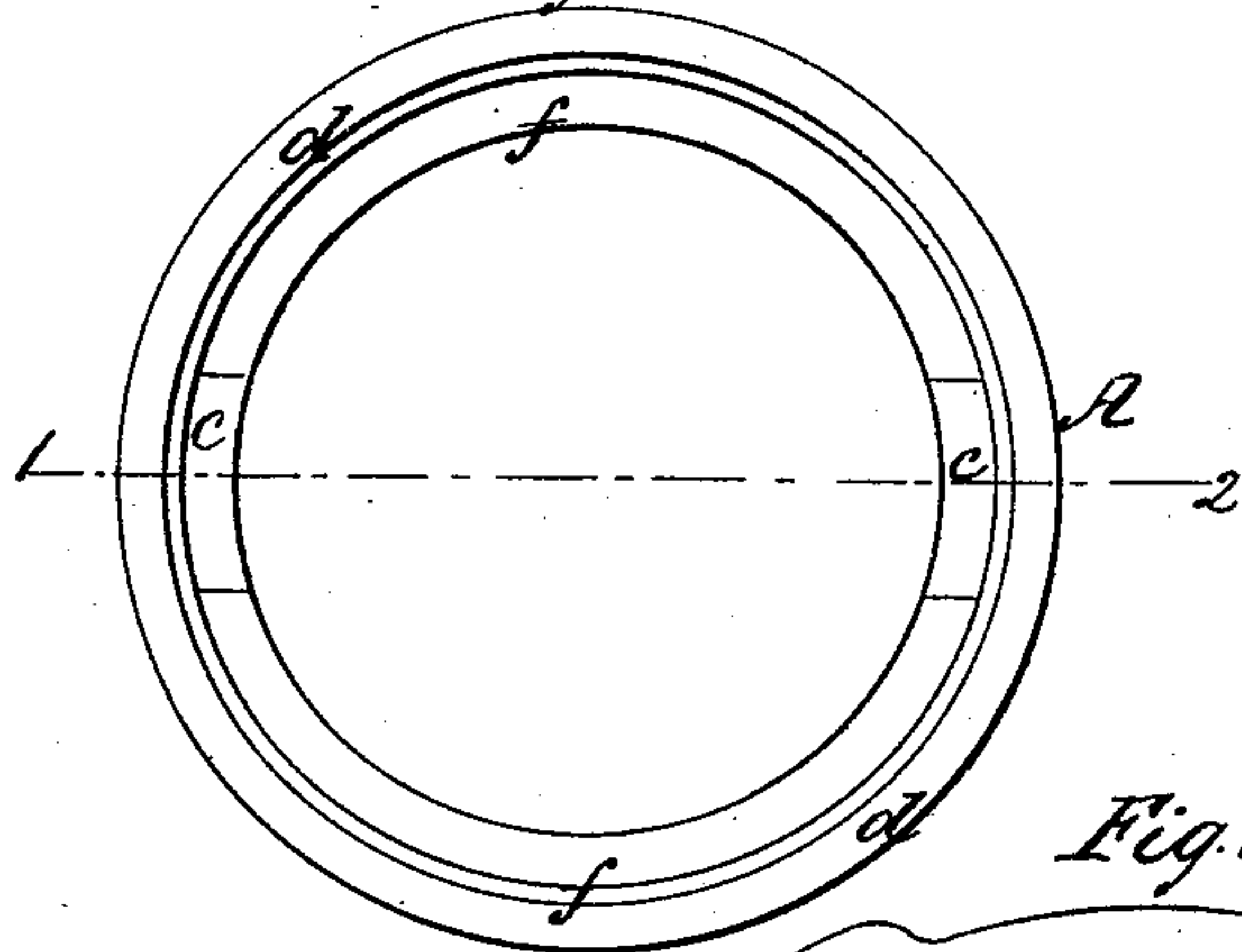


Fig 4.

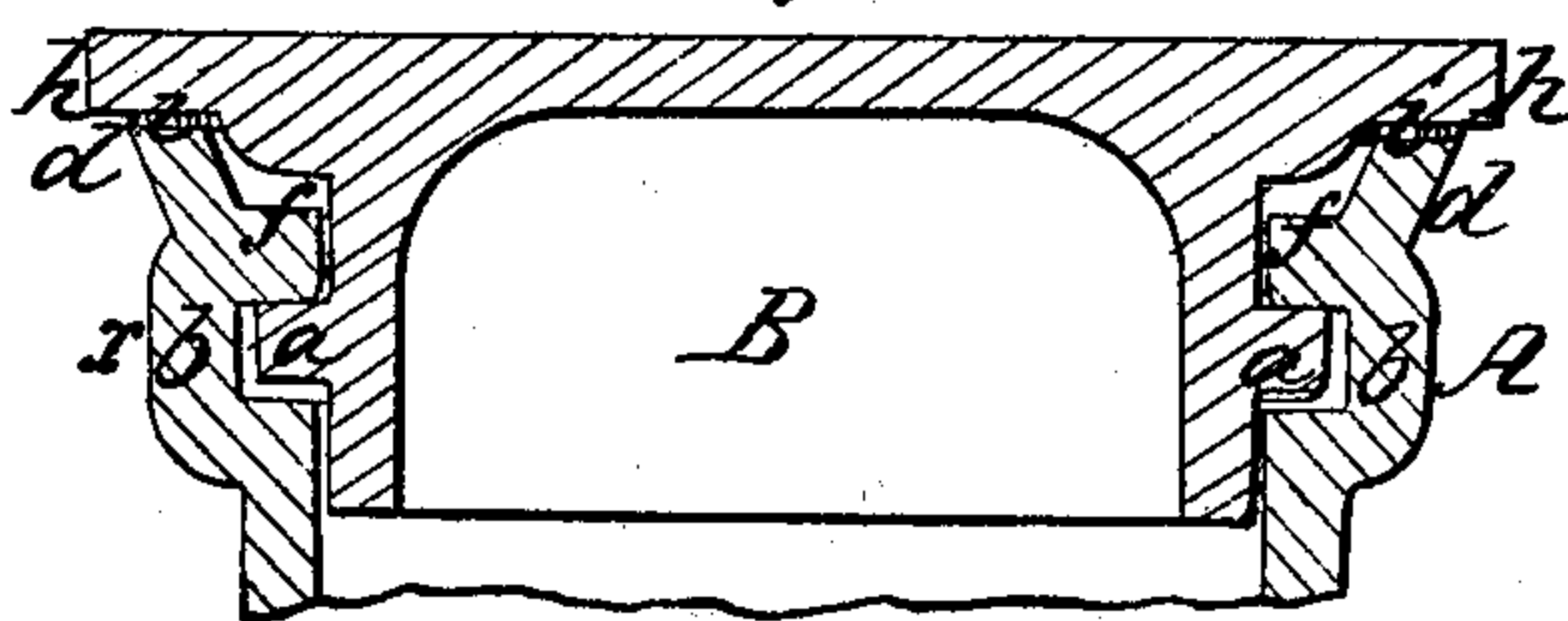
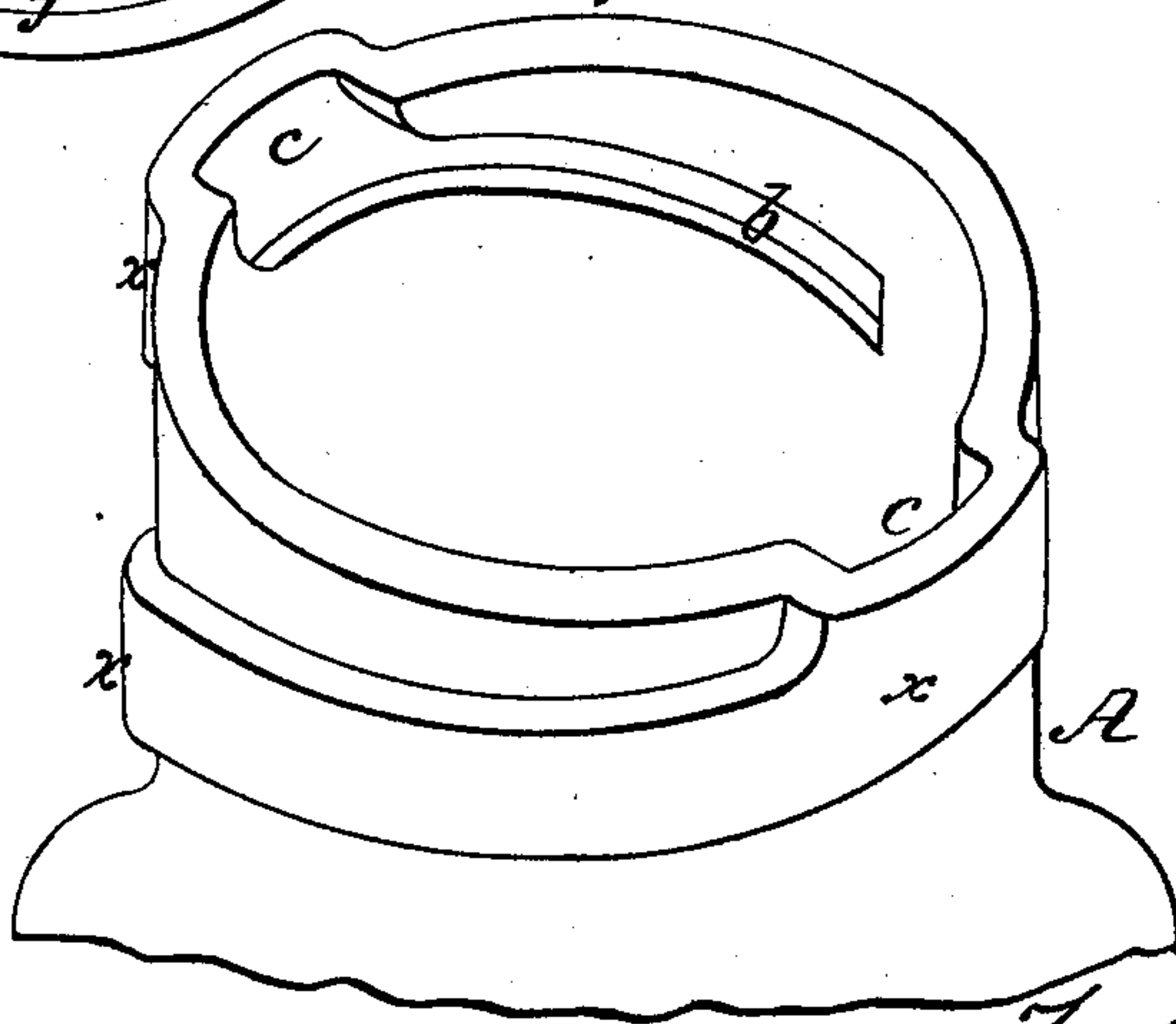


Fig 5.



Witnesses;
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Inventors;
J. Rohrbacher &
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By their Attys
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UNITED STATES PATENT OFFICE.

F. ROHRBACHER AND F. HORMANN, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVED FRUIT-JAR.

Specification forming part of Letters Patent No. 81,296, dated August 18, 1868.

To all whom it may concern:

Be it known that we, F. ROHRBACHER and F. HORMANN, of Philadelphia, Pennsylvania, have invented certain Improvements in Preserving-Vessels; and we do hereby declare the following to be a full, clear, and exact description of the same.

Our invention consists, first, of an improved fastening for preserve-jars, consisting of lugs on the stopper adapted to vertical passages and inclined recesses inside the neck of the jar, as fully described hereinafter; and, secondly, of an enlarged or flaring mouth above the said passages and recesses, for the purpose of preserving the continuity in a circle of that portion of the mouth of the jar upon which the gum ring is caused to bear.

In order to enable others skilled in the art to make and apply our invention, we will now proceed to describe its construction and operation, reference being had to the accompanying drawing, which forms a part of this specification, and in which—

Figure 1 is a vertical section of the upper portion of a preserving-vessel, and of the stopper detached from the same; Fig. 2, a plan view of the mouth of the vessel; Fig. 3, a vertical section on the line 1 2, Fig. 2, with the stopper removed; Fig. 4, the same as Fig. 1, with the stopper in its place; Fig. 5, a diagram illustrating the advantages of our invention.

Similar letters refer to similar parts throughout the several views.

A represents the upper portion or neck of a glass preserving-vessel, and B the stopper, the latter being provided at opposite points with lugs *a a*, slightly inclined, as shown in Fig. 1, and adapted to inclined recesses *b b'*, formed on the inside of the neck of the vessel, into which recesses the lugs are introduced through vertical passages *c c*.

Within the neck of the vessel, and above the inclined recesses and passages *c*, is a shoulder or ledge, *f*, from which projects the flaring mouth *d*, having a diameter somewhat

greater than the lower portion of the neck, as plainly illustrated in the first four figures of the drawing.

The upper edge of the mouth *d* is ground perfectly flat, in the usual manner, and extending around the top of the stopper is a flange, *h*.

In closing the jar, the stopper is brought to the position shown in Fig. 3, or until its lugs *a* are directly over the passages *c*. It is then introduced into the neck of the jar, and turned until the lugs bearing against the upper edge of the inclined recesses are drawn downward sufficiently to compress a gum ring, *i*, between the flange *h* of the stopper and the upper ground edge of the mouth of the jar.

The recess *b* and passages *c* being formed within the neck of the jar during the operation of blowing the same, there are corresponding enlargements, *x*, on the outside of the neck, so that if it were not for the increased diameter and flaring of the mouth *d*, the continuity in a circle of the upper edge of the mouth would be broken, as shown plainly in Fig. 5, rendering it almost impossible to so compress a gum ring on the same as to obtain a tight joint.

We claim as our invention and desire to secure by Letters Patent—

A jar having at the inside of the neck inclined recesses *b* and vertical recesses *c*, open at the top, and above the said recesses a flanged projection, the upper edge of which is an unbroken circle, in combination with a cap, B, rubber ring *i*, and lugs *a*, arranged as specified.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

F. ROHRBACHER.
F. HORMANN.

Witnesses:

JOHN WHITE,
WM. A. STEEL.