

No. 705,182.

Patented July 22, 1902.

F. WIESE.
FRUIT JAR.

(Application filed Aug. 23, 1901.)

(No Model.)

Fig. 1.

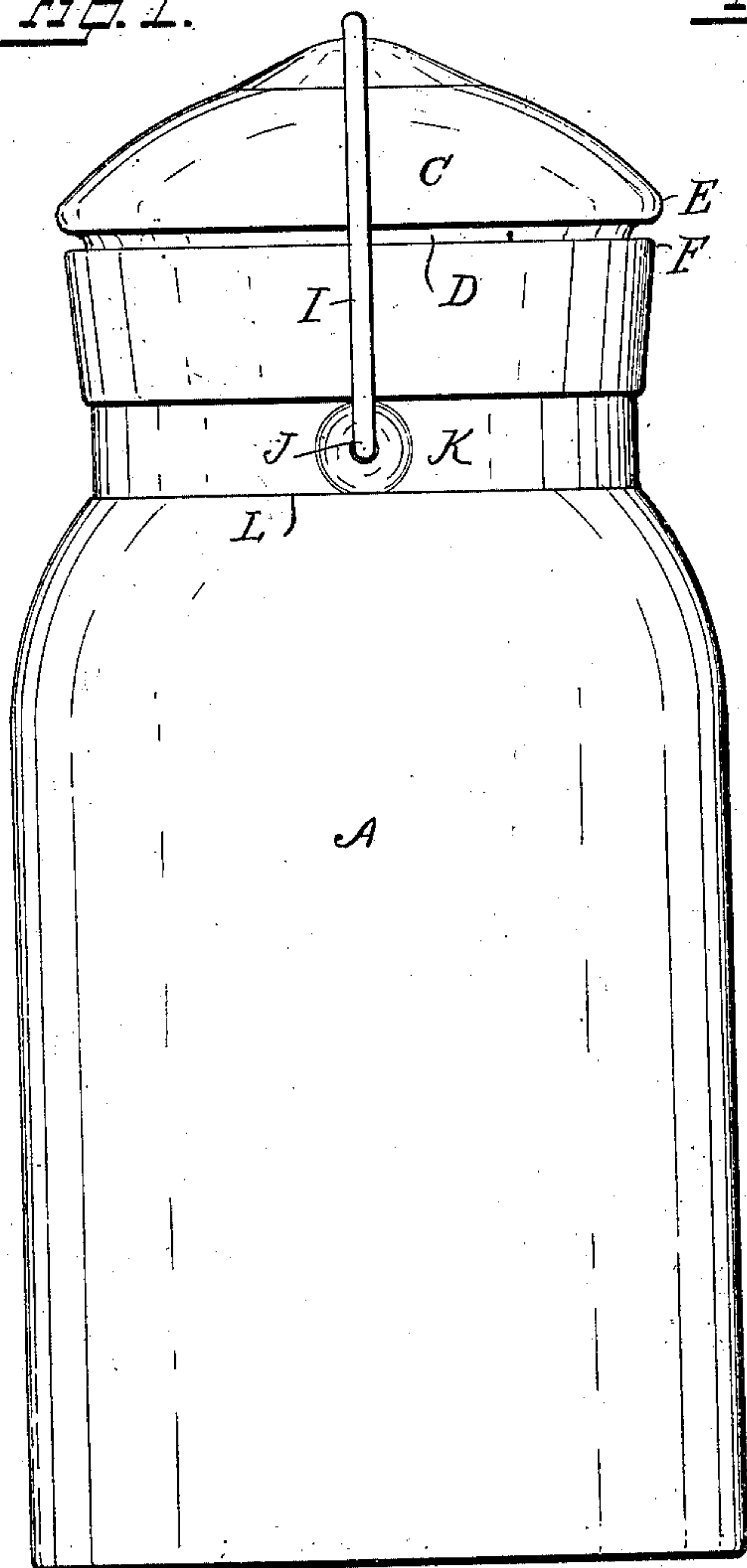


Fig. 2.

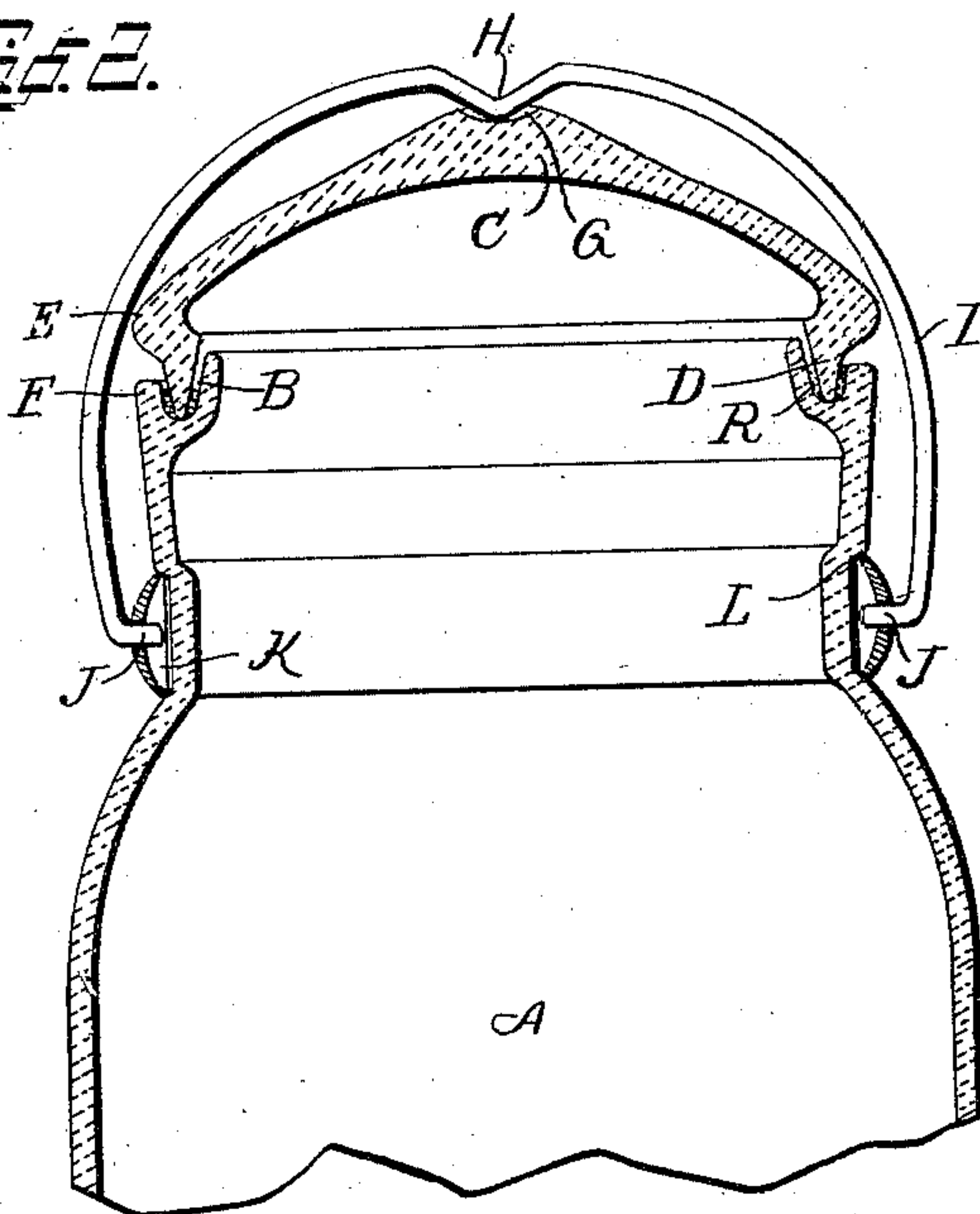


Fig. 4.

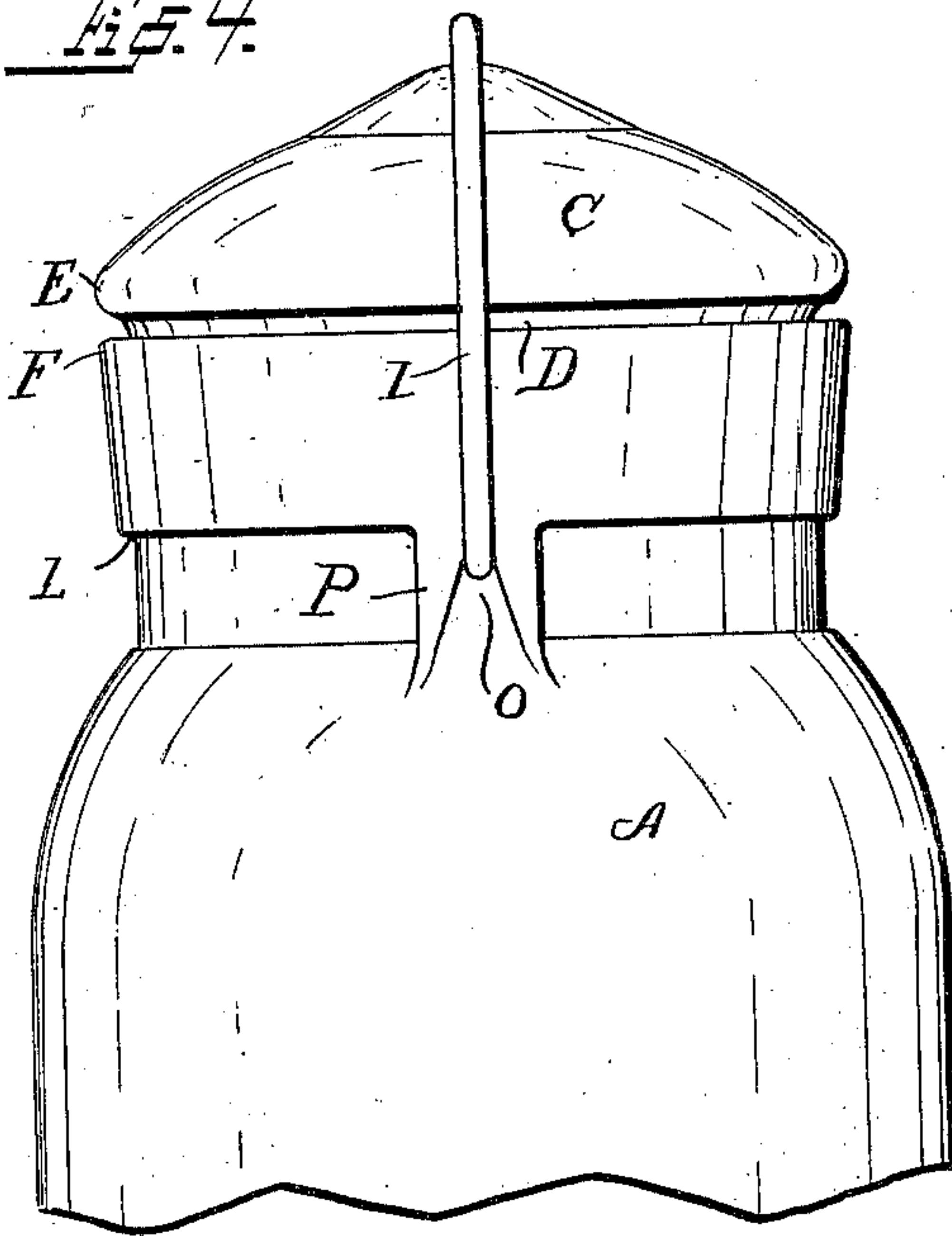
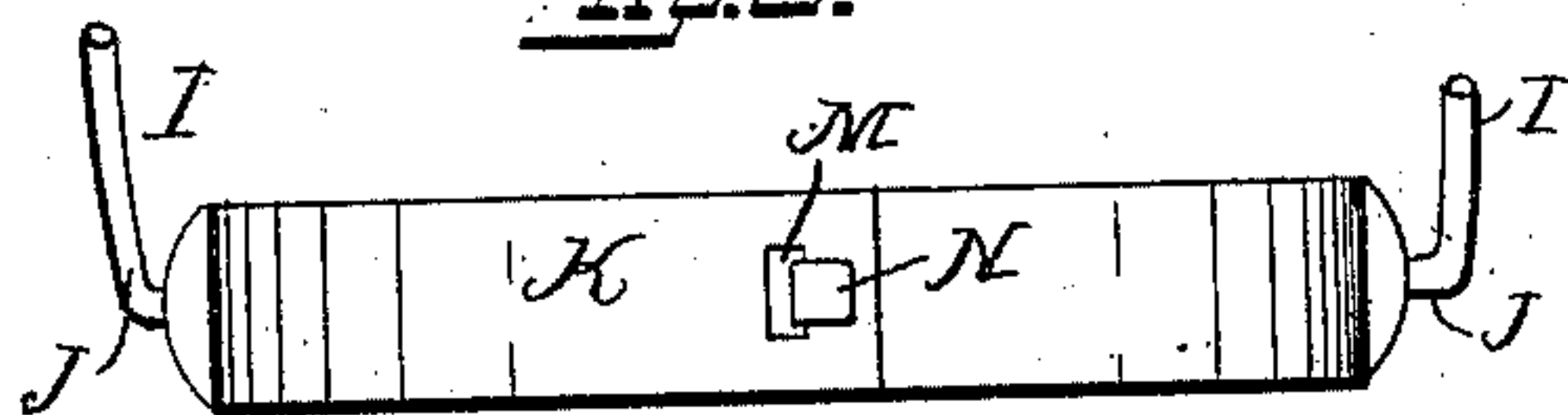


Fig. 3.



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UNITED STATES PATENT OFFICE.

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FRUIT-JAR.

SPECIFICATION forming part of Letters Patent No. 705,182, dated July 22, 1902.

Application filed August 23, 1901. Serial No. 73,016. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK WIESE, a citizen of the United States, residing at Milwaukee, county of Milwaukee, and State of Wisconsin, have invented new and useful Improvements in Fruit-Jars, of which the following is a specification.

My invention relates to improvements in that class of fruit-jars in which the cover is fitted to an annular channel surrounding the mouth of the jar and adapted to contain a sealing material, such as wax or paraffin, inserted in the channel when in a liquid state preparatory to applying the cover.

The object of my invention is to provide a jar of this class with a cover adapted to cooperate with a spring-bow fastening universally—i. e., my object is to provide a device in which the fastening is swung into locking position from any angle, the cover being adapted to receive the fastening from any direction, whereby the cover may be adjusted to the jar without reference to the fastening and need never be readjusted after once entering the sealing material. Owing to the fact that the wax-channel of the jar contains but a small quantity of sealing material, the application of the cover thereto cools the material almost instantly to such a point that if the cover be readjusted after being applied the cooled wax is broken up and the jar is therefore imperfectly sealed. For this reason it is important that fastenings for covers of this class should be of such character that they can be adjusted to the cover from any side and no readjustment of the cover be required. It is also of great importance that the fastening should exert a pressure upon the cover exactly in the center, as otherwise slight imperfections in the jar may cause the cover to tilt and release itself from the sealing material.

The construction of my improvements are explained by reference to the accompanying drawings, in which—

Figure 1 represents a side view of my improved jar. Fig. 2 is a vertical section of the same, drawn at right angles to that shown in Fig. 1. Fig. 3 is a detail showing the bail-band and means for fastening the same around the neck of the jar. Fig. 4 is a modified form

of the device for fastening the cover-retaining bail to the neck of the jar.

Like parts are identified by the same reference-letters throughout the several views. 55

A is the jar, which is provided with an annular groove or channel B.

C is the cover, which is preferably made hemispherical in shape and is provided at its lower edge with a V-shaped flange or collar D, which is adapted to register with and fit into the annular channel B, as shown in Fig. 2, said cover being also provided with a lateral projection E, which extends slightly past the exterior wall F of the jaw. The cover C is also provided at its apex with a recess or depression G for the reception of the downwardly-extending bend H of the cover-retaining bail I. The lower ends of the cover-retaining bail I are provided with horizontal bends J, which in the preferred form are adapted to be engaged in the bail-retaining band K, which is preferably made of tin or other sheet metal, and secured around the neck of the jar in the annular recess or channel L. 75

It will be observed that the cover is, as above stated, hemispherical in shape or tapered uniformly toward a crown, in which is formed a central downwardly-extending tapered recess or socket G, the spring bow or bail I being provided with a central downwardly-extending bend H, adapted to fit into the socket G, as best shown in Fig. 2. As the bow is of resilient material, it is obvious that it may be sprung over the top of the cover and the part H engaged in the socket G, regardless of the position of the cover when adjusted to the jar. 85

A preferred form of device for securing the ends of the band K together is shown in Fig. 3, in which one end of said band is provided with an aperture M, while the opposite end is provided with tongue N, which is inserted through said aperture and bent over so as to lock said ends together. 95

By the modified form of device for fastening the bail to the jar a recess O is formed in the wall of the jar itself between the bail-bearings P when the jar is made. 100

The jar itself may be made of glass, earthenware, or any suitable material. Preparatory

to securing the cover in place the annular groove or channel B is partially filled with beeswax, paraffin, or other similar substance R, which when said cover is secured in place 5 forms a hermetical seal between the annular flange D and the bottom of the annular groove B, whereby the admission of air to the jar when closed is prevented. The cover is secured in place by the bail I, which is elastic and yields sufficiently to pass over the 10 convex surface of the cover into the depression G, when it springs back of its own elasticity, forcing said bend H into said depression G, whereby said cover is securely retained in place. 15

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

In a fruit-jar, the combination of a receptacle having an annular trough-shaped channel surrounding the mouth thereof, adapted 20

to receive and retain a quantity of heated wax in a liquid or semiliquid condition; a cover provided with an annular flange registering with, and adapted to rest in, said annular channel, said cover being uniformly tapered on all sides toward a crown having a central, downwardly-extending tapered socket; a spring-bow pivoted securely at the sides of the receptacle, and having a central, downwardly-extending bend, adapted to engage resiliently in the center of the cover-socket, whereby a central, downward pressure on the cover is secured, said cover being adapted to receive the bow from any direction. 25 30 35

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

FREDERICK WIESE.

Witnesses:

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