

J. L. MASON.

Improvement in Fruit-Jars.

No. 131,695.

Patented Sep. 24, 1872.

Fig. 1.

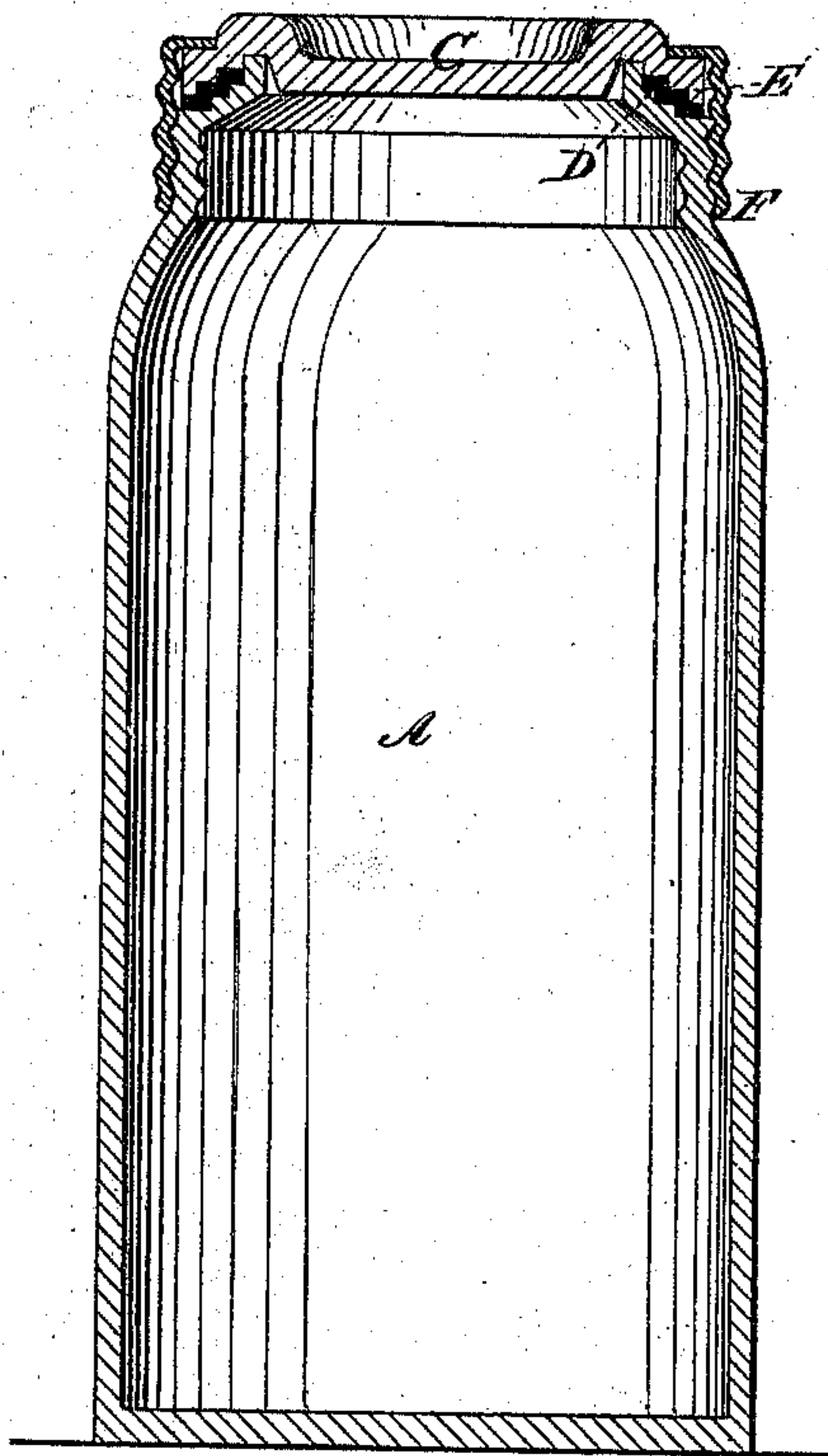


Fig. 2.

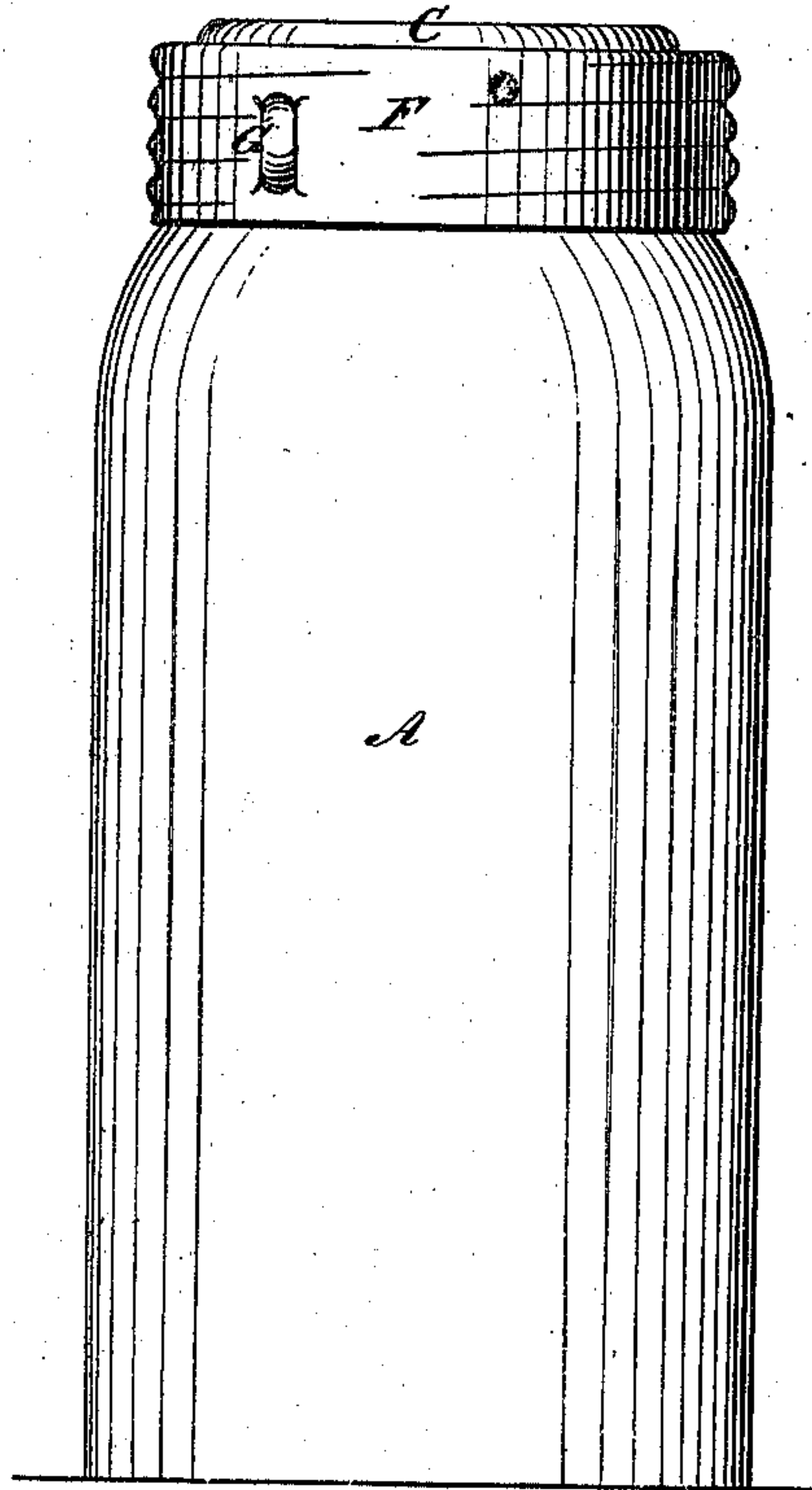
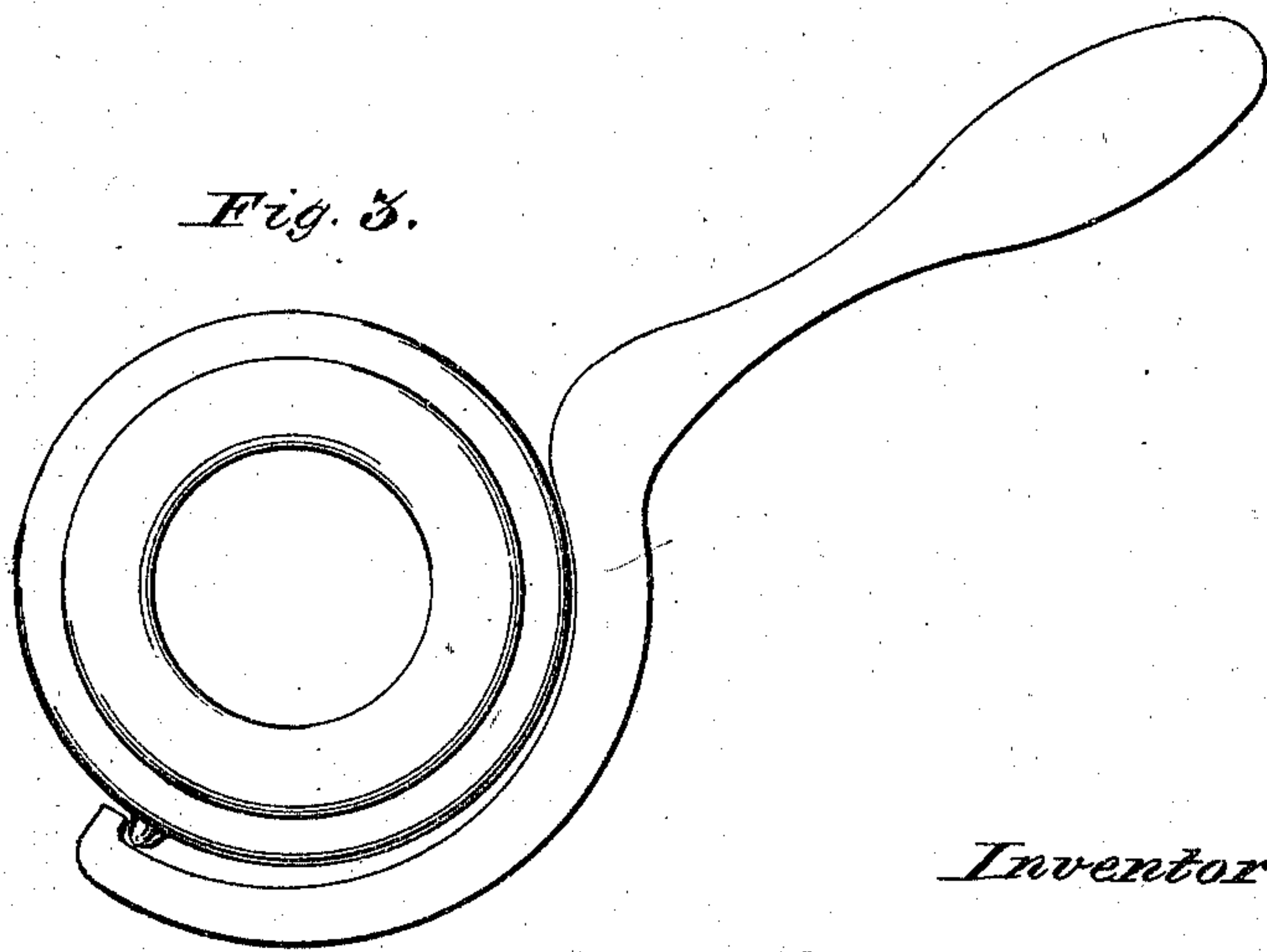


Fig. 3.



Witnesses:

T. C. Drecht.

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Inventor:

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by Atty.

Van Santvoord & Knapp.

UNITED STATES PATENT OFFICE.

JOHN L. MASON, OF NEW YORK, N. Y.

IMPROVEMENT IN FRUIT-JARS.

Specification forming part of Letters Patent No. 131,695, dated September 24, 1872.

To all whom it may concern:

Be it known that I, JOHN L. MASON, of the city, county, and State of New York, have invented a new and useful Improvement in Fruit-Jars; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 is a vertical cross-section of my improvement; Fig. 2 is an outside elevation; and Fig. 3 is a top view, showing a wrench applied to the screw-ring for the purpose of opening or closing the jar.

Similar letters indicate corresponding parts.

This invention relates to fruit-jars; and it consists in forming the joint of the jar which receives the cover of two or more annular ascending steps or terraces containing three such terraces rising one above the other in different planes toward the top or mouth of the jar. That part of the cover which rests upon the terraced shoulder is also made with annular steps or terraces, but in the reverse order—that is to say, in a descending series—and in such a manner that the edges of its steps or terraces overlap or extend in a vertical line beyond the edge of the step or terrace just below or opposite to it on the shoulder of the jar. The impinging edge of the outer or lower step of the cover comes over the lower or outer step of the jar-shoulder. A rubber gasket or ring being placed upon the terraced shoulder and the cover brought down upon it, the gasket is made to conform to the shape of the surfaces between which it is confined, and is bent or forced down by the descending series of terraces of the cover over the edges of the successive steps on the jar, so as to confine the gasket by means of several successive bearings, which are independent of each other. The terraces of the jar and cover are in this example circular, but they can be made of different outlines. The cover is confined to the jar by means of a screw-ring, and the outside of such ring is provided with a projection of the character described in my Letters Patent No. 115,754, and such projection forms a holdfast for a wrench in screwing and unscrewing the ring.

My invention is shown in the annexed draw-

ing, where the letter A designates a jar having a shoulder formed of successive steps or terraces, B, three in number in the present example, the uppermost terrace being far enough below the top or mouth of the jar to allow the rubber gasket to be properly placed and held around the mouth upon the shoulder. The cover C has on its bearing-edge a descending series of steps or terraces, D, which are arranged to overlap the terraces B of the jar in such a manner that the rubber gasket E is bent down over the edge of the topmost terrace of the jar by the edge of the second terrace (reckoning from above) of the cover, and so on to the bottom terrace of the jar, where the lower terrace of the cover, which is made narrower than the upper ones, impinges on that portion of the gasket which lies upon the bottom terrace or plane of the jar, as is illustrated in the drawing. The cover is confined to the jar by a screw-ring, F, which screws upon a thread formed on the jar below its shoulder, the top of the ring being made with an inner flange which rests on the top of the cover around its edge, as is described in my Letters Patent No. 102,913. The outside of the screw-ring is provided with a knob or projection, G, which serves as a convenient holdfast for a wrench, H, which is curved to fit the periphery of the ring, and whose end is formed with a lip, I, that grasps the projection and prevents the wrench from slipping when one is screwing the ring on or off the jar.

My improved joint can be used on jars and covers of any material; but in this example I have shown the invention applied to a glass jar and cover, which I make in the usual manner by blowing the jar in a mold and pressing the cover, the jar-mold being suitably constructed so as to form the different steps of the joint on the shoulder, which, as they are in different planes one above the other, do not prevent the opening of the mold in order to take out the jar.

I do not restrict myself to any particular location of my improved joint on a jar or cover, as the location can be varied without departing from my invention.

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

1. A fruit-jar having its bearing-edge formed, with a series of ascending terraces, B, in com-

bination with cover C formed at its bearing-edge with a series of descending terraces, D, said cover C being confined in its seat by a screw-ring, F, meshing into screw-threads formed on the body of the jar beneath the gasket-seat, substantially as and for the purpose specified.

2. The gasket arranged between the ascending and descending series of steps on the cover C and jar A, in combination with each other

and with the confining screw-ring F, as set forth, whereby the gasket is confined by means of several successive bearings independent of each other, as specified.

This specification signed by me this 9th day of August, 1871.

JOHN L. MASON.

Witnesses:

C. WAHLERS,

E. F. KASTENHUBER.