

C. G. OVERMYER.
GLASS JAR.
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978,634.

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Fig. 1.

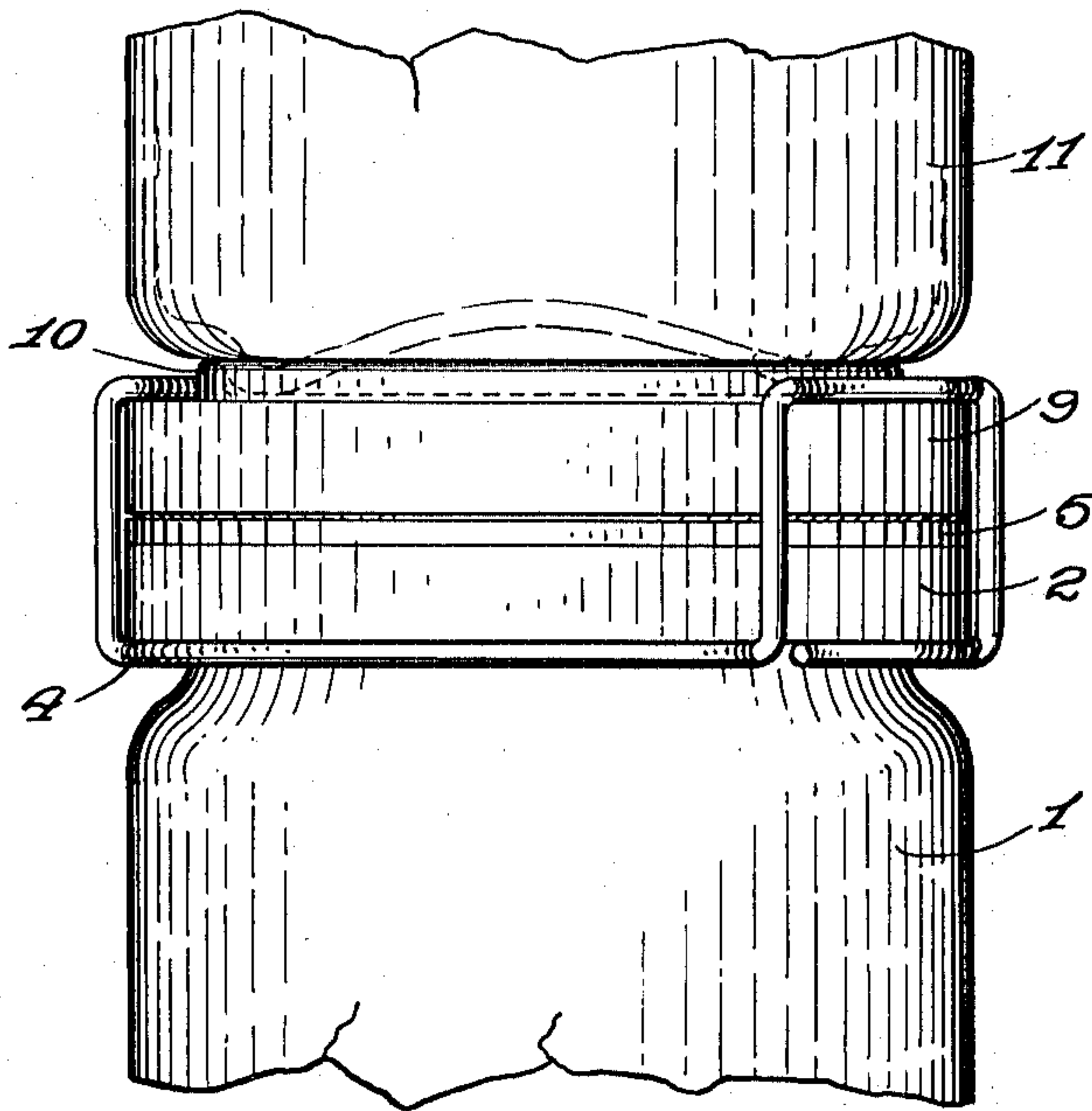
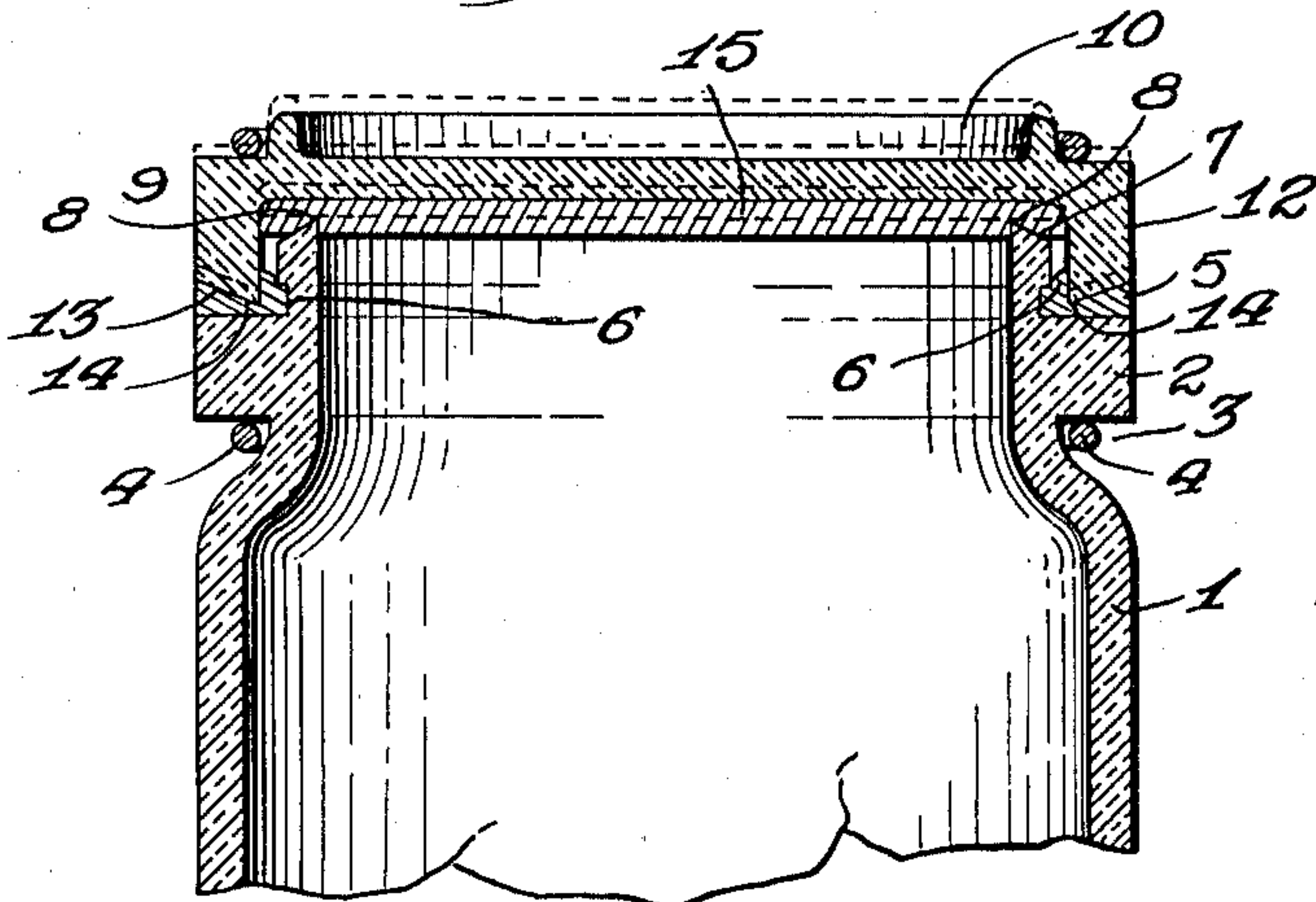


Fig. 2.



Inventor.

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Witnesses

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UNITED STATES PATENT OFFICE.

CHARLES G. OVERMYER, OF COFFEYVILLE, KANSAS, ASSIGNOR OF ONE-HALF TO
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GLASS JAR.

978,634.

Specification of Letters Patent.

Patented Dec. 13, 1910.

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To all whom it may concern:

Be it known that I, CHARLES G. OVERMYER, a citizen of the United States of America, residing at Coffeyville, in the county of Montgomery and State of Kansas, have invented certain new and useful Improvements in Glass Jars, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to jars in which fruit, pickles, etc., are to be preserved by means of a hermetically sealed removable cover.

The invention has for its object to provide an improved jar of this kind by means of which the jar will be effectively sealed and the jar rendered air tight.

Another object of the invention is to provide an improved jar of this kind in which a disk and ring may be simultaneously employed in connection with the cover, or either the disk or the ring employed.

These and other objects of the invention will appear in the course of the following specification.

Referring to the accompanying drawing,—Figure 1 is a view in elevation of the lower portion of a jar nested on the cover of a jar constructed in accordance with this invention, and showing the upper portion of the jar. Fig. 2 is a view in vertical section of the upper portion of a jar constructed in accordance with this invention.

In carrying out the invention, 1 is the body of the jar having its neck formed with the annular flange 2, beneath which is located the annular groove 3 in which is located a portion of the clamping wire 4. The upper side of the flange 2 serves as a seat for the rubber ring or gasket 5 which is of the usual flat form. In order to provide a tight joint and have the ring 5 hug the neck of the jar closely, the neck is formed with the annular groove 6 at one side of the ring seat, as shown in Fig. 2, the ring 5 being pressed into the groove 6. To further provide for a tight joint between the jar and its cover, the upper edge of the neck of the jar is formed with the bevel 7 which terminates in a sharp biting edge 8. The cover 9 of the jar is formed with the annular curved rib 10 which provides a recess in which the lower end of a jar 11 may be seated or nested.

The cover 10 has a depending annular flange 12 having its lower end formed with a beveled surface 13 terminating in a sharp biting edge 14, which, when the cover 9 is forced down onto the neck of the jar, will bite into the ring or gasket 5 and force it not only into the groove 6, but also up between the side of flange 12 and the neck of the jar, thereby forming a tight joint, as shown in Fig. 2.

In addition to the ring 5, a disk 15 is employed, preferably of paper coated with paraffin, the disk 15 being seated against the under side of the cover 9, and extending over the upper edge of the neck of the jar to the inner side of the flange 12 of the cover. When the cover 9 is pressed down on the neck of the jar by the clamping wire 4, the biting edge 8 of the neck of the jar will be forced into the disk 15 and form a tight joint therewith, as shown in Fig. 2.

It will be seen that by means of the construction hereinbefore set forth, the space between the cover and the neck of the jar will be doubly sealed by the ring and disk. In order that either a ring or disk may be used alternately alone with the jar and cover, the jar and cover are so constructed that without the disk and ring, the biting edge 14 of the cover will rest on the top of the annular flange 2, and the biting edge 8 of the neck of the jar will bear against the under side of the cover, and when a ring or disk is employed alone, the biting edge which does not impinge against a disk or ring will not rest against the cover or flange as the case may be.

It will be seen that by means of this invention the jar and cover will be completely sealed.

What I claim as my invention is:—

In a device of the character described, a jar having its neck formed with a vertical annular portion having its upper edge formed with a beveled biting edge and a horizontal annular flange located at the lower end of said vertical annular portion with a groove in the lower part of said vertical annular portion adjacent to the top of said annular flange in combination with a cover having a depending annular flange having its lower end formed with a beveled biting edge adapted to be located adjacent to the said annular flange and adjacent to

said annular groove, a disk beneath said cover and clamped between it and the biting edge of the neck and a gasket ring seated in said annular groove and on said horizontal flange, said biting edge of the cover pressing said gasket ring into said annular groove.

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

CHARLES G. OVERMYER.

Witnesses:

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