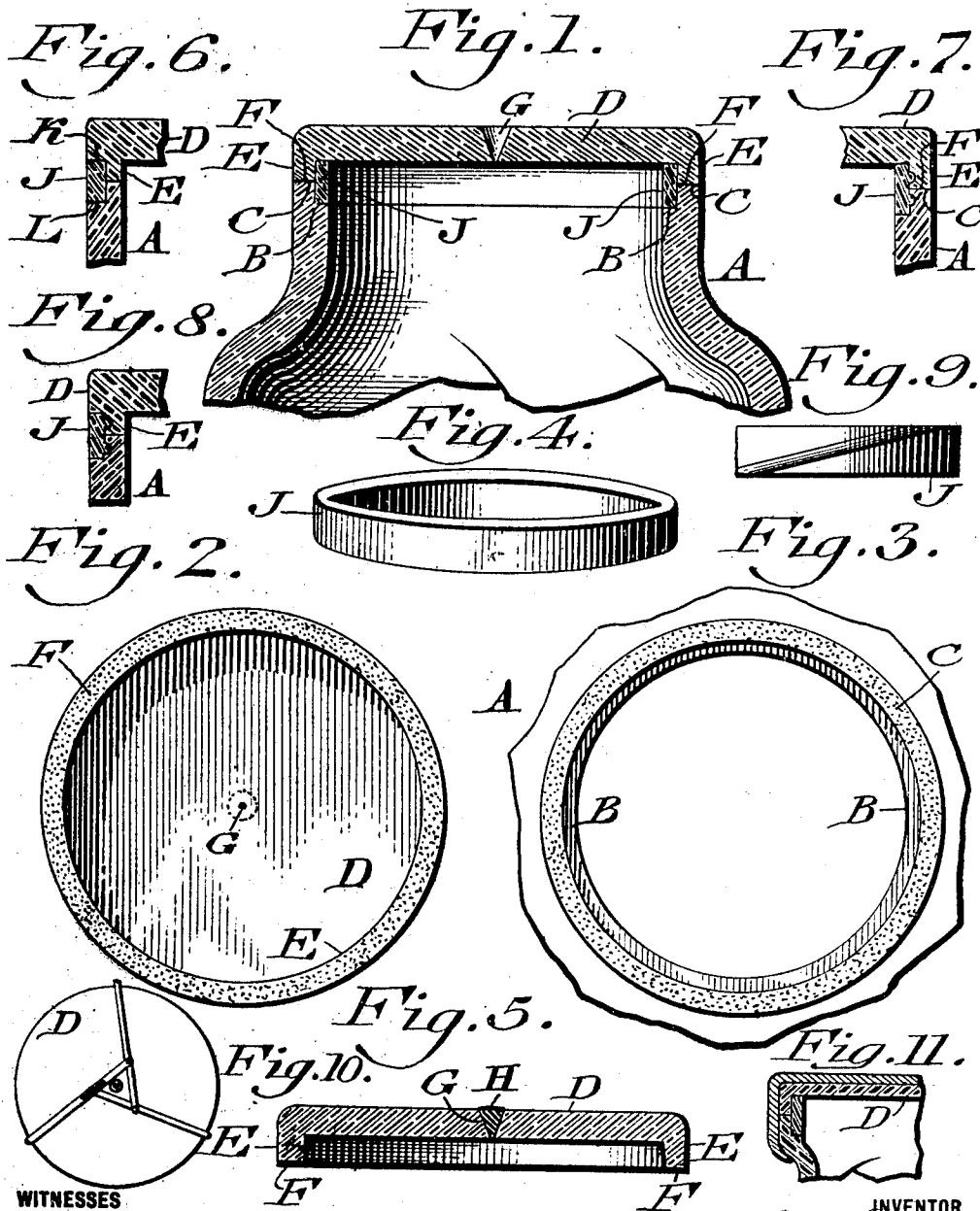


1,048,483.

Patented Dec. 31, 1912.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

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## PRESERVE-JAR.

1,018,483.

Specification of Letters Patent.

Patented Dec. 31, 1912.

Application filed May 7, 1912. Serial No. 695,602.

*To all whom it may concern:*

Be it known that I, DANIEL M. BARR, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Preserve-Jar, of which the following is a specification.

My invention consists of a preserve jar which is adapted to be hermetically sealed, and in which provision is made for locking the cap of the jar to the body thereof in order to prevent said cap from being displaced from said body by lateral blows or thrusts; the contiguous edges of said body and cap being adapted to be uniformly ground to produce an air tight joint thereof.

The invention is satisfactorily illustrated in the accompanying drawing, but the important instrumentalities thereof may be varied, and so it is to be understood that the invention is not limited to the specific arrangement and organization shown and described.

Figure 1 represents a vertical section of a portion of a preserve jar embodying my invention. Fig. 2 represents a bottom plan view of the cap thereof. Fig. 3 represents a plan view of the body of the jar. Fig. 4 represents a perspective view of the member employed for locking the cap on the body. Fig. 5 represents a section of the cap showing means for sealing the same. Figs. 6, 7, 8 and 11 represent sections of portions of other embodiments of the invention. Figs. 9 and 10 represent other embodiments.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawings:—A designates the body of a jar composed preferably of glass having in its neck the shoulder B, the top edge of said neck being ground as at C.

D designates a cap or cover having a depending side rim or flange E, and formed preferably of glass, the lower edge of said flange being ground as at F, said ground edges contacting when the cap is in closed position forming a ground joint for said body and cap, the same being air-tight and self sealing in its nature. In the top wall of the cap is the air vent G which is preferably of inverted conical form, leaving a fine opening in the cap at the base of said vent for allowing air to exhaust from the body A, as has been practised heretofore in preserving, which being accomplished, the vent G is tightly closed by a medium or material

H such as wax, thus hermetically sealing the jar, but which medium or material may be displaced or removed to permit air to enter the body and destroy the vacuum therein, whereby the cap may be removed. As the lower edge of the cap lies flat on the upper edge of the neck of the body and the ground joint formed by the same retains the cap on its seat under ordinary circumstances, any side blow or pressure imparted to said cap is liable to displace the same and thus undesirably open the jar. To prevent this, there is seated on the shoulder B in the neck of the body of the jar, the collar or ring J which may be hollow or solid, forming a supplemental neck separate from the neck proper of the jar, and it is of such height that it rises above the top edge of the neck and the bottom edge of the cap, engaging with the underside of said cap at the inner angle of the rim E as a shoulder for the top of the collar, and thus is partly within the neck and partly within the cap, whereby it breaks the joint of the flange of the cap and the neck of the jar and as it is encircled by the contiguous portion of the neck, it has no lateral motion in the latter, and as it is encircled by the flange E of the cap, the latter is prevented from lateral motion, and so as the cap is engaged from within by the collar J, and the latter is rigidly held by the neck of the body of the jar, while resting on the shoulder B, said collar controls the cap from lateral motion, and so the cap is prevented from being unseated and consequent displacement should it receive blows or thrusts sidewise or laterally, but hermetical sealing of the jar thus being preserved.

In Fig. 6 I show the body and cap adapted to have a hollow collar fitted on the exterior thereof. To this end, the cap D has a recess on the exterior of the flange E forming the shoulder K at the top of the same, and the neck has a recess on its exterior forming the shoulder L at the bottom thereof. In said recesses of the neck and cap, the collar is located and prevented from dropping or rising owing to the shoulders K, L, the cap thus being controlled against lateral displacement as in the previously described construction.

In Figs. 7 and 8 I show the collar with short screw threads to engage screw threaded portions of the cap and neck. In this case, the collar may be screwed to the neck, and the cap screwed to said collar so as to

render the cap unmovable in both lateral and vertical directions until it is properly unscrewed, one of said threads being shown in Fig. 9.

5 It is evident that in all cases the edges of the cap and neck may be uniformly ground without requiring any special constructed wheel, stone or tool for such purpose.

10 In Figs. 10 and 11, I show a clamp which is composed of arms adapted to be placed on the top of the cap and having on each of their outer ends a hook which is adapted to engage under a shoulder on the neck of the jar, said arms being eccentrically pivoted to each other so that by turning the same their hooks tighten against said shoulder and so prevent any possibility of the cap shifting in any direction especially laterally, a feature of importance in shipping jars of the kind when in filled condition.

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

25 1. A jar body having on its neck an annular seat and an annular shoulder, a cap formed with a depending rim and a shoulder on the side of the cap, the lower edge of said rim being adapted to be fitted on said

seat, said cap and body having a ground joint, and a supplemental annular neck member adapted to rest laterally against the sides of said neck and rim and be engaged at the top and bottom by the respective shoulders of said neck and cap and overlap the joint of said rim and neck above and below the same. 30

2. A jar body having on its neck an annular seat and an annular shoulder, a cap provided with a depending rim and an annular shoulder on a side thereof, the lower edge of said rim being adapted to be fitted on said seat, said cap and body having a ground joint, a supplemental annular neck member adapted to rest laterally against the sides of said rim and neck and to be engaged by the respective shoulders of said neck and cap and overlap the joint of said neck and rim above and below the same, and cooperative screw-threads on said rim and neck and the contiguous portion of said neck member. 40 45 50

DANIEL M. BARR.

Witnesses:

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