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R. PFISTER

1,939,569

JAR CLOSURE

Filed Nov. 15, 1932

Fig. 1.

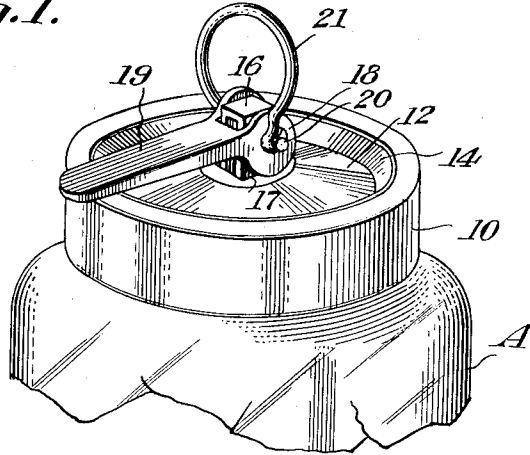


Fig. 2.

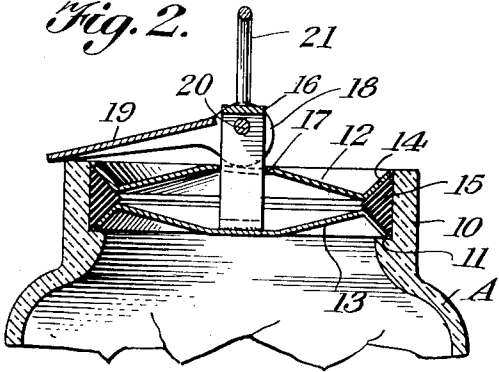


Fig. 3.

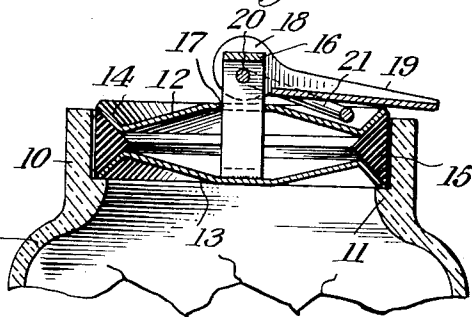


Fig. 4.

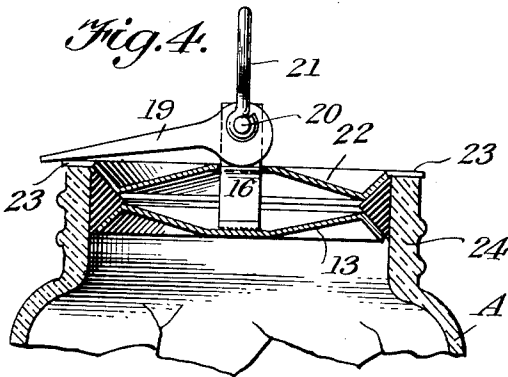


Fig. 5.

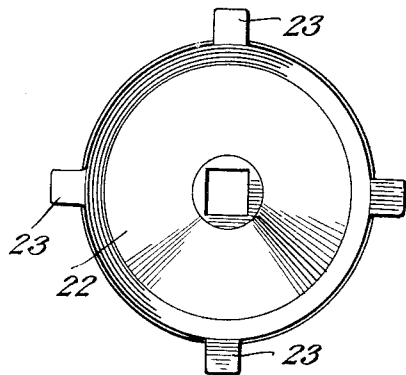


Fig. 6.

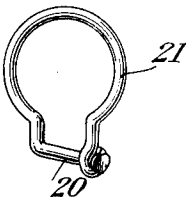
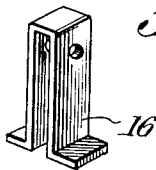


Fig. 7.



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UNITED STATES PATENT OFFICE

1,939,569

JAR CLOSURE

Rudolf Pfister, Brooklyn, N. Y.

Application November 15, 1932
Serial No. 642,790

1 Claim. (Cl. 215—53)

The invention relates to a closure and more especially to a jar closure or cover.

The primary object of the invention is the provision of a closure of this character, wherein the open mouth of a jar, such as a fruit jar or the like, can be closed so as to render the jar airtight, the closure being of novel form and readily insertable in the mouth of the jar or removed therefrom and when actuated will seal such mouth.

Another object of the invention is the provision of a closure of this character, wherein the same involves members, these carrying a gasket which can be compressed within the mouth of a container for the sealing of such mouth to render the container airtight, the construction of the closure being of novel form and is readily and easily operated.

A further object of the invention is the provision of a closure of this character which is extremely simple in construction, thoroughly reliable and efficient in its purpose, easy of operation, as well as application and removal, strong, durable, and inexpensive to manufacture.

With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts as will be hereinafter more fully described in detail, illustrated in the accompanying drawing, which discloses the preferred embodiment of the invention, and pointed out in the claim hereunto appended.

In the accompanying drawing:

Figure 1 is a fragmentary perspective view of the mouth portion of a jar of conventional type showing the closure constructed in accordance with the invention applied thereto and in sealing position.

Figure 2 is a vertical sectional view thereof.

Figure 3 is a view similar to Figure 2 showing the closure released or freed for its removal from the mouth.

Figure 4 is a view similar to Figures 2 and 3 showing a slight modification, with the closure in completely sealing position.

Figure 5 is a plan view of one of the sections or members of the closure, of the modified form.

Figure 6 is a perspective view of the finger grip or hold.

Figure 7 is a perspective view of the center post of said closure.

Similar reference characters indicate corresponding parts throughout the several views in the drawing.

Referring to the drawing in detail, A designates generally a portion of the body of a fruit

jar having the contracted open mouth 10 formed with an internal annular shoulder 11 providing a closure seat.

Removably fitted within the open mouth 10 of the body A is the closure constituting the present invention and with reference to Figures 1, 2 and 3 disclosing the preferred embodiment thereof, it comprises opposed outer and inner substantially concavo-convex members 12 and 13 respectively, these being identical with each other and made from inherent resilient metal having at their outer peripheries the angularly disposed laterally diverging unbroken flanges 14 providing therebetween a channel or seat for a ring-like resilient or rubber gasket 15, the same being of substantially triangular shape in cross section throughout and occupies the channel or seat between the flanges 14.

Secured by welding or otherwise to the inner face of the inner member 13 centrally thereof is an inverted substantially U-shaped post 16 which projects through a squared center opening 17 in the member 12, while straddling this post 16 is the forked cam end 18 of a lever 19, the cam end being eccentrically pivoted to the post through the pivot end 20 of a finger ring or hold 21, the pivot end 20 being passed transversely through the post 16 and in the forked cam end 18 of said lever 19 so that both the ring or hold 21 and the lever 19 will be pivotally connected to the post.

On manipulation of the lever in one direction the cam end 18 will press against the member 12, causing this and the member 13 to be brought toward each other, thus urging the gasket into contact with the inner wall of the open mouth 10 of the body A of the jar and in this fashion a positive air-tight seal is had between the open mouth and the closure so as to completely seal the jar.

When the lever is swung in the reverse direction the cam end 18 relieves the pressure upon the member 12, causing this and the member 13 to separate or spread apart and then by engagement of the finger of the hand of a person with the ring or hold 21, on upward pull, the closure can be removed from the open mouth 10 of the jar.

In Figures 4 and 5 of the drawing there is shown a slight modification of the invention, wherein the outer member 22 of the closure has at its periphery diametrically opposed lips or tongues 23, these being adapted for contact and rest upon the outer edge of the mouth 24 of the jar, thus, in this fashion, the shoulder or seat 11 interiorly of the mouth need not be present or

can be eliminated. In other words, the closure is limited on its insertion into the mouth of the jar by the lips or tongues 23, whereas in Figures 1, 2 and 3 of the drawing, the closure is limited in its insertion into the jar mouth by the shoulder or seat 11 hereinbefore described.

What is claimed is:

A closure of the character described comprising a pair of opposed concavo-convexed members, laterally diverging unbroken flanges at the peripheries of said members to provide a seat there-

between, a ring-like resilient gasket occupying said seat, a post on one member and loosely passed through the other member, a cam lever pivoted to the post and active upon the adjacent member thereto for compressing the opposed members for movement toward each other to spread or extend the gasket, and a finger ring engaged with the post and having a part thereof pivotally mounting the cam lever.

RUDOLF PFISTER.

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