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2,153,807

JAR CAP OR CLOSURE

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Fig. 1.

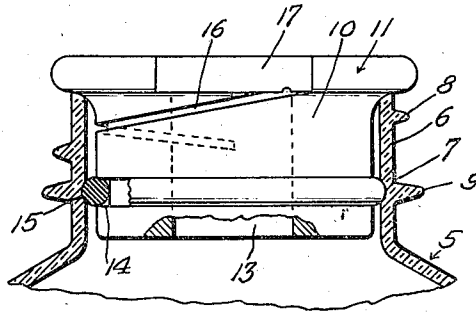


Fig. 2.

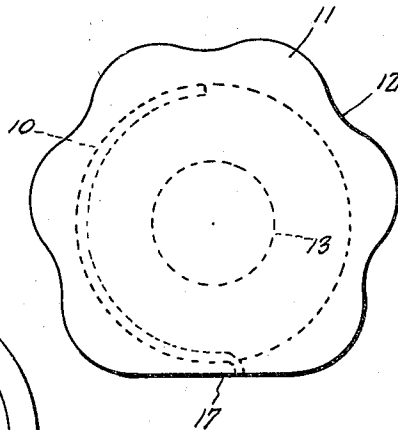


Fig. 3.

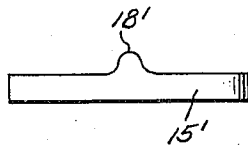


Fig. 5.

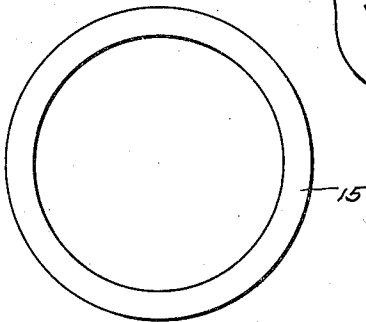
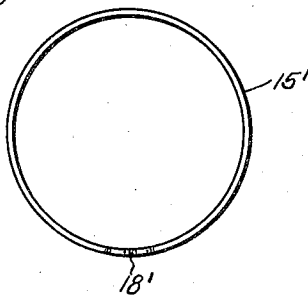


Fig. 4.



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JAR CAP OR CLOSURE

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2 Claims. (Cl. 215—48)

This invention relates to closures or caps for preserving or similar type jars and has for the primary object the provision of an efficient and inexpensive device of this character which is easy and quick to apply and remove from a neck of a jar and when applied will provide an efficient seal to prevent preserves or the like in the jar from spoiling due to contact with atmospheric air and which will not corrode or otherwise deteriorate and may be used many times, only requiring in some instances the removal of a gasket or packing ring and the substitution of another therefor.

With these and other objects in view, the invention consists in certain novel features of construction, combination and arrangement of parts to be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawing, in which

Figure 1 is a fragmentary vertical sectional view illustrating a part of a preserving jar equipped with a closure or cap constructed in accordance with my invention.

Figure 2 is a top plan view illustrating the cap or closure.

Figure 3 is a side elevation illustrating a filler gasket or ring.

Figure 4 is a top plan view illustrating the same.

Figure 5 is a top plan view illustrating the sealing ring or gasket.

Referring in detail to the drawing, the numeral 5 indicates a fragmentary portion of a fruit or preserving jar, the neck thereof being indicated by the character 6 and is provided with an internal annular groove 7. The neck 6 externally is provided with the usual screw threads 8 and cap sealing flange 9. The threads 8 and sealing flange 9 are employed when using a conventional type of cap on the jar. However, said threads and flange 9 are not employed when the present invention is in use.

The present invention consists of a cylindrical body 10 having an external diameter which will move freely into the neck 6 and formed integrally with one end of the body 10 is a flange 11 having scalloped edges 12. The body 10 where the latter forms onto the flange 11 flares outwardly to rest on the edges of the neck 6, as clearly shown in Figure 1. A recess 13 is formed in the body opening outwardly through the inner end thereof, the purpose of which is to reduce weight and material in the body.

The body 10 adjacent its inner end is provided with an annular groove 14 to partly receive a gasket or packing ring 15 which is cylindrical shaped in cross section. When the body 10 is inserted fully into the neck 6 the ring 15 enters the groove 7 and thereby establishes an effective seal between the body and the neck to prevent the escape of the contents of the jar and further to prevent the entrance of atmospheric air to the jar. The packing ring or gasket is constructed of rubber or any other material suitable for the purpose, and is of circular shape in cross section as shown in Fig. 1. The flange 11 having the scalloped edges 12 permits a person to readily grip the flange for the insertion thereof into the neck and also when removing the body from the neck.

Formed in the exterior wall of the body 10 is a substantially spiral shaped groove 16 which at one end opens into a flat face 17 formed in the edge of the cap or closure. The purpose of the groove 16 is to receive an instrument or tool and by working the latter downwardly in the groove with the tool or instrument fulcruming on the neck of the jar the body will be prised out of the neck. As soon as the gasket or packing ring 15 moves out of the groove 7 the body is then easy to lift from the neck.

To seal the neck with the cap or closure either when the contents is hot or cold, the body is inserted in the neck and pushed inwardly until the gasket or packing ring moves into the groove 7 which brings about the effective sealing of the cap or closure with the neck and prevents the accidental displacement of the cap or closure from the neck.

To readily adapt the closure or cap to jar necks which may be slightly oversize, a filler gasket 15' is employed and is positioned in the groove 14 under the gasket 15, thereby bringing the gasket 15 in tight engagement with the oversize neck and consequently effecting an efficient seal between the neck and the cap or closure. The filler gasket 15' may be constructed of rubber or any other material suitable for the purpose and is provided with a lip or ear 18' to facilitate the removal thereof from the groove when desired. The filler gasket 15' is substantially rectangular shaped in cross section.

It is believed that the foregoing description, when taken in connection with the drawing, will fully set forth the construction and advantages of this invention to those skilled in the art to which such a device relates, so that further detailed description will not be required.

Having described the invention, what I claim is:

1. A closure for preserving jars comprising a body of an external diameter to freely enter a neck of a jar, a flange formed on one end of the body to engage with edges of the neck, said
5 body having a groove, a gasket located partly within the groove adapted to enter the groove of the neck, said flange having scalloped edges to permit a firm grip to be obtained thereon, said
10 body adjacent said flange increasing in external diameter to rest against edges of the neck, said flange having a flat face, said body having a substantially spiral groove with one end opening into the flat face whereby an instrument may be in-

serted in said groove and in engagement with the neck and by working said instrument along the latter-named groove bring about prying of the body outwardly of the neck and the gasket thereof out of the groove of said neck.

2. A closure for preserving jars comprising a
5 body to extend into a neck of a jar and including a flange to rest on the neck, a frictional sealing means on the body engaging the neck, said body having a spiral groove extending into the flange
10 to permit an instrument to be moved along said groove and against the neck to remove the body from the neck.

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