Jan. 12, 1932. D. A. JENKINS 1,840,673

SEALING TOP FOR JARS

Filed Aug. 17, 1929

FIG. 1

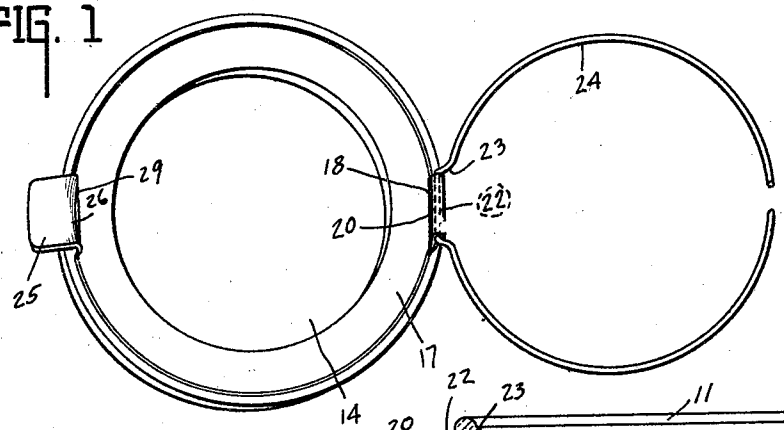


FIG. 2

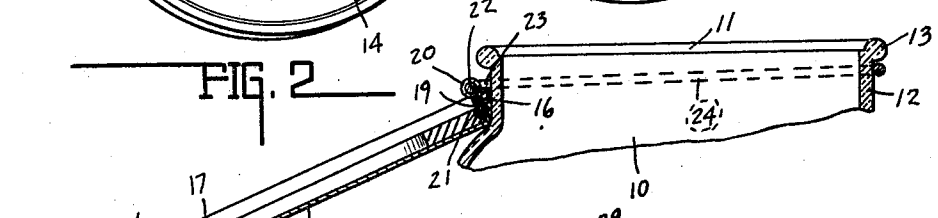


FIG. 3

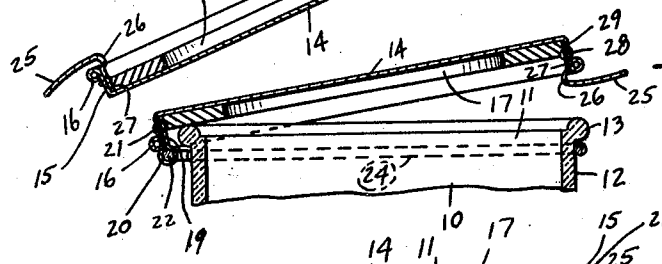


FIG. 4

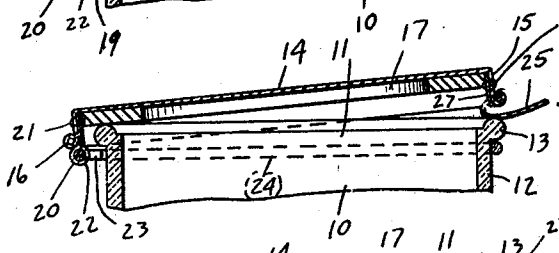
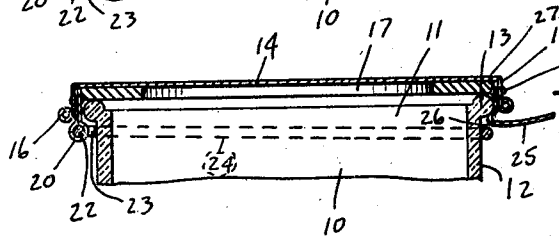


FIG. 5



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UNITED STATES PATENT OFFICE

DAVID ADDISON JENKINS, OF KOKOMO, INDIANA, ASSIGNOR TO D. C. JENKINS GLASS COMPANY, OF KOKOMO, INDIANA, A CORPORATION

SEALING TOP FOR JARS

Application filed August 17, 1929. Serial No. 386,565.

This invention relates to a relatively tight sealing cover construction for a dispensing jar.

The chief object of the invention is to provide a relatively simple and effective sealing cover construction for a so-called wide mouth dispensing jar which usually is of glass and generally is transparent. In the confectionary trade, dispensing of candies, peanuts and the like, is facilitated and the condition of the goods is better when dispensed from a jar provided with a sealing cover. While sealing covers have been heretofore employed, the same have been relatively costly and have always been based upon exact fitting of the cover to the mouth of the dispenser and this exact fitting of the cover to the mouth of the dispenser has necessitated the rejection of a considerable portion of the containers which in the case of glass are molded because in the cooling of the glass, there is a certain shrinkage or warpage which is undeterminable.

The present invention, therefore, is directed to the provision of a sealing cover that is readily adaptable to all jars of a similar type irrespective of a warpage or a slight deformation from the true and desired mouth construction without the resultant loss of sealing power.

One feature of the invention consists in the cam lever action of the cover adjacent its hinge and the other consists of a cam lock action of the cover opposite therefrom. The third feature consists in the detachable mounting for the cover and the association with either or both of the aforesaid.

The full nature of the invention will be understood from the accompanying drawings and the following description and claims.

Fig. 1 is a perspective view of the cover in detachable mounting. Fig. 2 is an enlarged central sectional view through a neck and mouth of a dispensing jar and the cover showing the latter in the open and drawn back position. Fig. 3 is a similar view of the same parts showing the same in the initial closing position. Fig. 4 is a similar view of the same parts in the mouth closing position but not in sealing position. Fig. 5 is a similar view of the same parts in closing and sealing position.

In the drawings 10 indicates the body portion of a dispensing jar having a relatively wide or open mouth 11 defined by the neck 12 which includes a beaded portion 13 at the top. The cover construction includes a top portion 14 which includes an annular portion 15 that terminates in a beaded edge 16. An annular sealing ring of relatively resilient material preferably of rubber is indicated at 17 and is suitably secured to and carried by the top portion 14 and is substantially coextensive with the annular portion 15 of the cover. The sealing ring construction is relatively wide as shown. The sealing ring is cut away as at 18 to receive the two ends 19 of a loop and hinge forming member 20. The two ends 19 are rigid as at 21 to the cover. There is thus provided an elongated tubular hinge forming portion for receiving the mid-portion 22 of a detachable clamping construction including the U-shaped portion of which the mid-portion 22 is the central portion and the two outwardly directed intermediate portions 23 each tapering in an arcuate portion 24. Said arcuate portions extend in substantially a circular relation for embracing the neck of the dispensing jar and frictionally support the cover thereon. The cover 14 is provided with a finger engageable portion that extends outwardly and the same is indicated at 25. An angular intermediate portion or nose 26 constitutes a clamping lock and the end portion 27 is suitably secured to the cover as by the rivets 28. The sealing member 17 is preferably cut away as at 29 for such purpose.

As shown in the several figures of the drawings, the cover has a wedging action (see Fig. 3) for elevating the clamp in the closing movement of the cover. The cover is substantially closed when positioned as shown in Fig. 4. To obtain an actual sealing action, the cover is pressed downwardly at its free end, which operation causes the nose 26 to ride over and seat beneath the bead 13, at the same time drawing the cover forwardly and creating a camming action of the cover in

the zone of the hinge. This camming operation, together with the retaining action of the nose 26, causes the gasket to be tightly clamped upon the jar mouth throughout the entire circumference of the latter.

This construction, as heretofore stated, is adaptable to the average run of jars that are formed by molded glass and the like, which as heretofore stated, will not be exactly uniform, due to individual variations as a result of a difference in cooling, annealing and molding.

The present invention, therefore, permits the cover construction to be applied to practically every molded jar of the same size and thus practically eliminates all rejects in the jars.

Any suitable type of anchorage for the clamp, the hinge and the gasket may be provided, and that shown herein is merely an embodiment of the broad invention.

The invention claimed is:

1. The combination with a jar having a mouth with an external locking bead at the edge thereof, of a detachable cover anchorage on said jar beneath said bead, a cover of greater diameter than the jar mouth, a gasket in said cover to engage said mouth, a hinge member and a latching nose depending from the outer edge of said cover at diametrically opposite points, said hinge member looped around said anchorage in such manner as to permit a limited movement of the cover at right angles to the axis of the jar, whereby when the nose engages and passes around the bead a camming action will be produced in the zone of the hinge.

2. The combination with a jar having a mouth with an external locking bead at the edge thereof, of a detachable cover anchorage on the jar beneath the bead, a cover for said jar, a hinge and a latching nose depending from said cover at diametrically opposite points, said hinge looped around said anchorage in such manner as to permit a limited movement of the cover at right angles to the axis of the jar, the distance between said hinge and nose being less than the external diameter of said mouth, whereby when the nose engages and passes around the bead a camming action will be produced in the zone of the hinge.

In witness whereof, I have hereunto affixed my signature.

DAVID ADDISON JENKINS.