

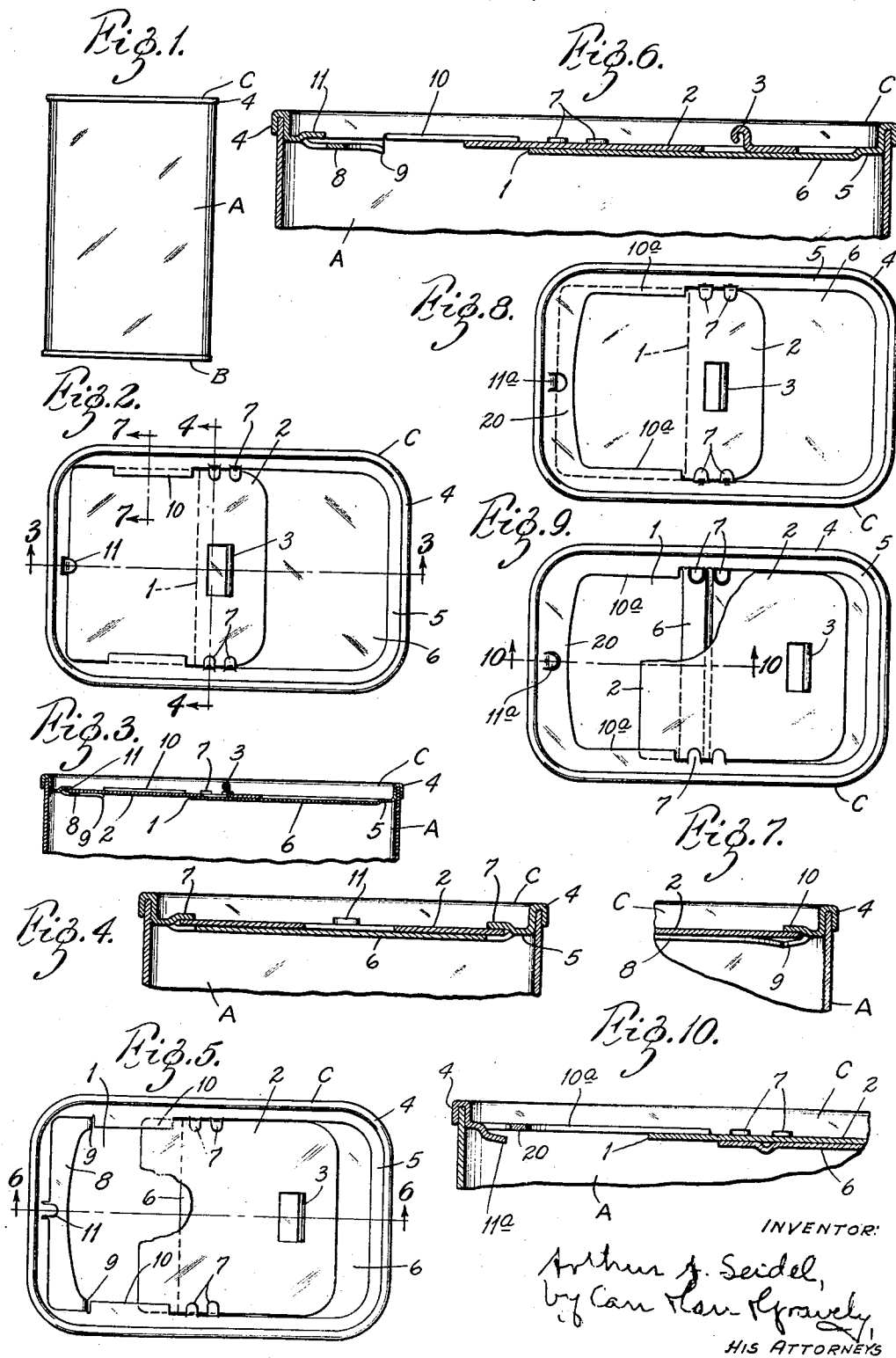
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CONTAINER CLOSURE

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CONTAINER CLOSURE

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5 Claims. (Cl. 221—62)

My invention relates to closures of the slidable type for containers, particularly containers having a cardboard, composition or other non-metallic body to which is secured a metallic top having an enlarged opening and a slidable closure plate therefor. The invention has for its principal object to improve such closures by simplifying the construction thereof and by holding the closure plate firmly in position so as to prevent leakage.

The invention consists in the container closure and in the parts and combinations and arrangements of parts hereinafter described and claimed.

In the accompanying drawing,

Fig. 1 is a side elevation on a reduced scale of a container of the type with which my closure is used,

Fig. 2 is a top plan view of the top of a container, showing the closure plate in closed position,

Fig. 3 is a vertical longitudinal sectional view on the line 3—3 in Fig. 2,

Fig. 4 is a vertical cross-sectional view on an enlarged scale, on the line 4—4 in Fig. 2,

Fig. 5 is a top plan view showing the closure plate in open position,

Fig. 6 is a vertical longitudinal sectional view on an enlarged scale on the line 6—6 in Fig. 5,

Fig. 7 is a partial sectional view on an enlarged scale on the line 7—7 in Fig. 2,

Fig. 8 is a top plan view of a modification showing the closure plate in closed position,

Fig. 9 is a top plan view of said modification showing a closure plate in open position, and

Fig. 10 is a partial sectional view on an enlarged scale on the line 10—10 in Fig. 9.

In Fig. 1 is illustrated a common type of container comprising a body A made of cardboard, fiber board or other non-metallic material, a metallic bottom B and a metallic top C. Said tops C are commonly provided with enlarged openings 1 and with a slidable closure plate 2 for covering and uncovering said opening, said closure plate having a curled finger hold 3 struck up therefrom for moving it. My invention relates to an improved construction of the top C and the closure plate 2 therefor.

In both forms of my invention, the top C is provided with a marginal seam 4 for engagement with the can body, a narrow horizontal ledge 5 or flange extending around the lower edge of the inner face of the seam portion 4, a depressed horizontal body portion 6 that constitutes a seat for the slidable closure plate 2, which is adapted to cover and uncover the enlarged opening 1 in the container top and two pairs of clips 7 or

securing lugs projecting inwardly from said ledge near the opening 1 and engaging the slidable closure member 2.

In the construction shown in Figs. 2 to 7, inclusive, there is a second depressed portion 8 in the same plane as the main depressed portion 6 on the other side of the opening therefrom, and constituting a seat for the forward end portion of said closure plate 2. The edge portions 9 of said depressed forward seat 8 are bent downwardly so as to guide the closure plate 2 into position.

Projecting from the marginal ledge 5 on each side of the opening 1 are elongated guide strips 10 which engage the top of the closure plate 2 as it slides across the opening 1, thereby preventing said closure plate from tilting upwardly.

As the closure plate 2 reaches its fully closed position, its upper surface is engaged by a securing tongue 11 struck up from the marginal ledge 5.

The closure plate 2 is seated and guided in the main depressed body portion 6 of the top. The pairs of guide clips 7 and the elongated guide strips 10 maintain the closure plate 2 on said depressed seat 6 and the forward end of the closure plate is engaged by the securing tongue 11.

In the form shown in Figs. 8 to 10, inclusive, the depressed forward seat is omitted and the guide strips 10a are continued around the end of the marginal ledge so as to provide a front guide strip 20 which engages the top of the forward edge of the closure plate 2, so that, in closed position, the side marginal portions of the closure plate and the front end portion thereof as well are engaged by a continuous securing strip or ledge. In this modification, the securing tongue 11a for the front edge of the closure plate 2 is struck downwardly to engage the underside of the closure plate 2.

The above described construction is simple and economical to manufacture, the slidable closure plate is easy to operate and it is accurately guided at all times, the sides of the depressed body constituting elongated guide walls for the sides thereof. The side securing clips and the elongated guide strips also guide the closure plate and hold it firmly against the top of the can. Obviously, numerous changes may be made without departing from the invention and I do not wish to be limited to the precise construction shown.

What I claim is:

1. A container closure comprising a depressed

body portion, there being an enlarged opening through said closure at one end of said depressed portion, a slidable closure plate mounted in said depressed portion and guided by the sides thereof, elongated guide strips alongside said opening engaging the upper side marginal portions of said closure plate, a plurality of offset clips disposed along the side margins of said depressed portions and engaging the upper side marginal portions of said slidable closure and a tongue for engaging the forward end of said closure plate in closed position.

2. A container closure comprising a depressed body portion, there being an enlarged opening through said closure at one end of said depressed portion, a slidable closure plate mounted in said depressed portion and guided by the sides thereof, elongated guide strips alongside said opening engaging the upper side marginal portions of said cover, a plurality of offset clips disposed along the side margin of said depressed portion and engaging the upper side marginal portions of said slidable closure plate, a second depressed portion in the same plane with said first named depressed portion and on the other side of said opening therefrom for receiving the end portion of said closure plate in closed position and an upwardly offset tongue for engaging the top of said end portion of said closure plate.

3. A container closure comprising a depressed body portion, there being an enlarged opening through said closure at one end of said depressed portion, a slidable closure plate mounted in said depressed portion and guided by the sides thereof, elongated guide strips alongside said opening engaging the upper side marginal portions of said closure plate, an elongated strip continuous with said side guide strips for engaging the upper surface of the forward end of said closure plate and a plurality of offset clips disposed along the side

margin of said depressed portions and engaging the upper side marginal portions of said slidable closure plate.

4. A container closure comprising a depressed body portion, there being an enlarged opening through said closure at one end of said depressed portion, a slidable closure plate mounted in said depressed portion and guided by the sides thereof, elongated guide strips alongside said opening engaging the upper side marginal portions of said closure plate, an elongated strip continuous with said side guide strips for engaging the upper surface of the forward end of said closure plate, a plurality of offset clips disposed along the side margin of said depressed portions and engaging the upper side marginal portions of said slidable closure plate and a downwardly offset tongue for engaging the bottom of the forward end portion of said closure plate.

5. A container closure comprising a depressed body portion, there being an enlarged opening through said closure at one end of said depressed portion, a slidable closure plate mounted in said depressed portion and guided by the sides thereof, elongated guide strips alongside said opening engaging the upper side marginal portions of said cover, a plurality of offset clips disposed along the side margin of said depressed portion and engaging the upper side marginal portions of said slidable closure plate and a second depressed portion in the same plane with said first named depressed portion and on the other side of said opening therefrom for receiving the end portion of said closure plate in closed position, said second depressed portion having a concave curvature facing said closure plate and downwardly bent edge portions for guiding said closure plate into place.

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