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1,755,042

TIN CONTAINER WITH FRICTION TOP AND HINGE COVER

Filed Feb. 14, 1927

Fig. 1.

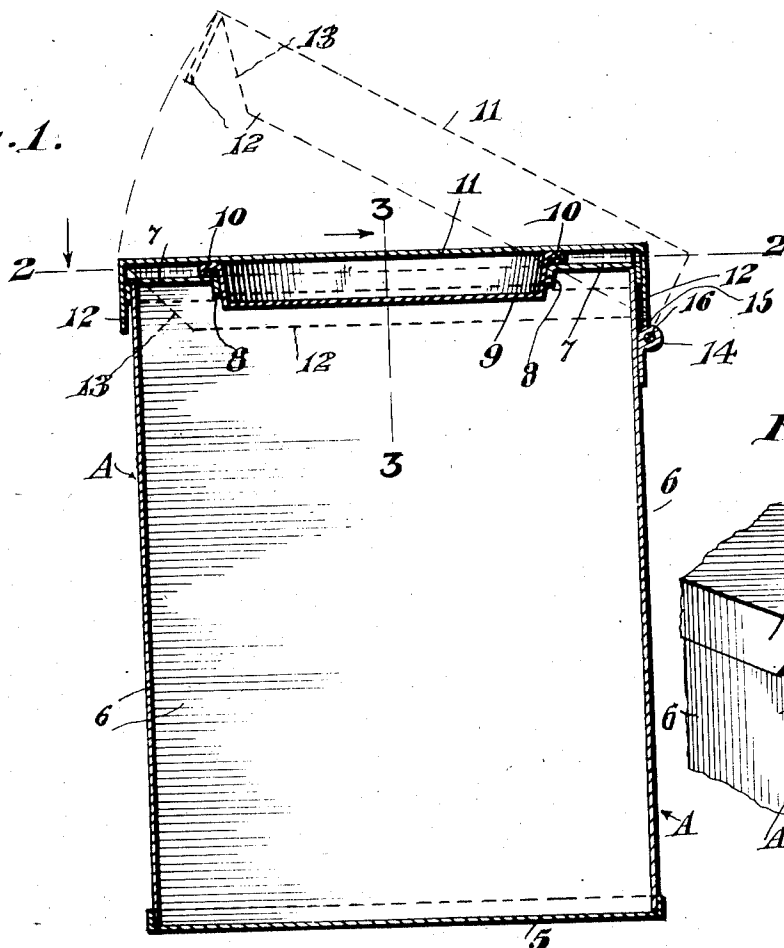


Fig. 4.

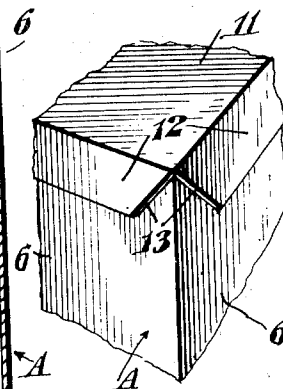


Fig. 2.

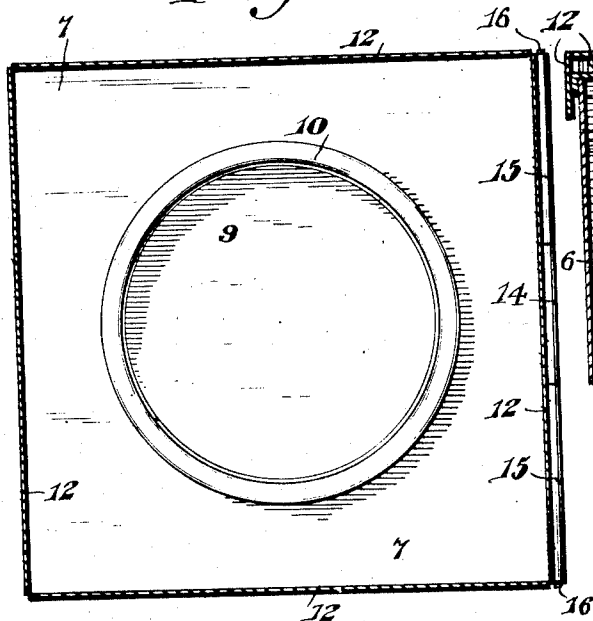
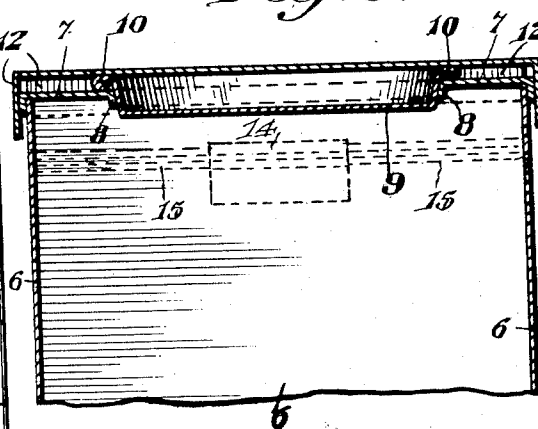


Fig. 3.



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TIN CONTAINER WITH FRICTION TOP AND HINGE COVER

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The invention relates to a receptacle of the safety type, and more especially to mailing cans for dye stuff or coloring matter.

The primary object of the invention is the provision of a can of this character, wherein the body, including its walls, bottom and top are flat and the entrance thereto is frictionally sealed and the latter enclosed by a cover or swinging top section, thus eliminating any possibility of the contents spilling or discharging therefrom.

Another object of the invention is the provision of a can of this character, wherein the body thereof is made from sheet material, preferably metal, and is closed through the medium of a double closure, one being frictionally held and the other concealing said frictionally held closure.

A further object of the invention is the provision of a can of this character, wherein the construction thereof is novel in form, so that there will be no protuberances and in the formation of the body including the top and bottom will enable the convenient handling of the can and the packing and transportation thereof, by mail or otherwise.

A still further object of the invention is the provision of a can of this character, which is extremely simple in construction, thoroughly reliable and efficient in its purpose, 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 exemplifying the preferred embodiment of the invention, and pointed out in the claims hereunto appended.

In the accompanying drawing:—

Figure 1 is a vertical longitudinal sectional view through a can constructed in accordance with the invention, showing by full lines the hinged cover closed and by dotted lines it partly open.

Figure 2 is a sectional view on the line 2—2 of Figure 1 looking in the direction of the arrow.

Figure 3 is a fragmentary sectional view on

the line 3—3 of Figure 1 looking in the direction of the arrow.

Figure 4 is a fragmentary perspective view of the can showing in detail the corner formation of the hinged cover.

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

Referring to the drawings in detail, A designates generally a can or other suitably shaped container or receptacle formed of any suitable material, such as sheet metal, and including a body portion and a top and bottom. As shown the body portion 10 is formed throughout with flat walls extending at right angles to each other and elongated in longitudinal extent. The can A can be varied in size to meet the requirements for the use thereof. The bottom of the can A, which is indicated at 5, is formed with an upwardly extending flange which is co-extensive therewith and the said flange is soldered or otherwise made fast to the outer faces of the walls of the can. The top of the can A, is indicated at 7 and is flat and provided with a downwardly extending flange which is coextensive therewith and the flange of said top is soldered or otherwise made fast to the outer faces of the walls of the body portion. The top 7, centrally thereof, is formed with an opening and also provided with an inwardly directed tapering mouth flange 8 which is coextensive with the wall of said central opening and forms a continuation of such wall. The opening in the top 7 is closed by a tapered cup-shaped sealing cap or closure 9 which frictionally engages with the wall of said central opening and inner face of the flange 8, and said cap 9 at its top is formed with a laterally extending rim or flange 10 which seats upon the upper face of the top 7 of the can A.

Swingly connected with the body of the can A at one straight wall 6 thereof is a lid or cover 11 which is correspondingly shaped to the cross sectional area of the body of the can and is formed with down turned marginal flanges 12 on all four sides thereof, the flanges at the corners of the lid or cover 11 being beveled or cut away at 13. Carried on the vertical wall 6 of the can A is a pintle

sleeve 14 while rolled or otherwise bent from the rearmost flange of the lid or cover 11 are companion pintle sleeves 15 in which is received the pintle 16 for swingingly connecting the lid or cover 11 to the body of the can A.

This lid or cover 11 is swung from open position, partial opening thereof being shown by dotted lines in Figure 1, of the drawing, to completed closed position as shown by full lines in Figure 1, of said drawing. In this manner, the friction cap 9 will be concealed by the lid or cover 11 when closed. The marginal flanges 12 frictionally bind exteriorly upon the downwardly extending flange of the top 7 of the body of the can A so that such outer lid or cover 11 will be maintained in closed position or frictionally held closed.

The marginal flanges of the cover or lid 11 will possess a certain inherent resiliency so as to grip the exterior surfaces of the downwardly extending flange of the top 7 of the body of the can A to hold the cover or lid in closed position.

It will be clearly apparent that the can is filled through the center opening in the top section when the friction cap is removed and thereafter the same is inserted in the opening and pressed tightly therein to seal the said opening, whereupon the lid or cover 11 is swung to closed position to conceal the friction cap. The can is primarily intended for containing dye stuff or coloring matter and such can is adapted particularly for mailing purposes.

From the foregoing it is thought that the construction and manner of use of the can will be clearly understood and therefore a more extended explanation has been omitted.

What is claimed is:—

1. In a receptacle of that type including a body portion having a flanged top provided with a removable closure, the flanged portion of the top being secured to the outer face of the side of the body portion, the combination of a flanged lid for enclosing said top and closure, the flanged portion of said lid frictionally engaging with the outer face of and depending below the flanged portion of said top, a hinge member secured to the outer face of the side of said body portion below said flanged portions, and means for pivotally connecting the bottom of the flanged portion of said lid to the top of said hinge member.
2. In a receptacle of that type including a polygonal shaped body portion having a flanged top provided with a removable closure, the flanged portion of said top being secured to the outer face of the walls of said body portion, the combination of a flanged lid for enclosing said top and closure, the flanged portion of said lid frictionally engaging with the outer face of and depending below the flanged portion of said top,

the flanged portion of said top being split to provide a plurality of sections, a hinged member secured to the outer face of one of the walls of said body portion below the flanged portion of said top and one of the sections of the flanged portion of said lid, and means for pivotally connecting the bottom of such section of the flanged portion of said lid to the top of said hinge member.

In testimony whereof, I affix my signature hereto.

EMIL J. ZOLLER.

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