June 18, 1929. C. J. AULBACH 1,718,022

CONTAINER

Filed Aug. 22, 1927

Fig. 2.

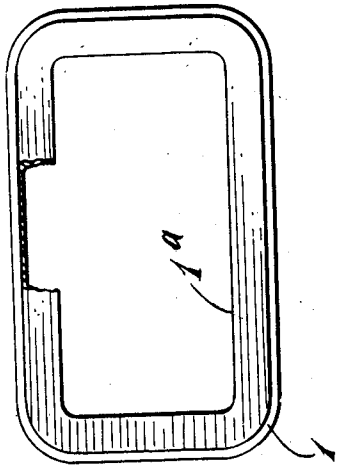


Fig. 3.

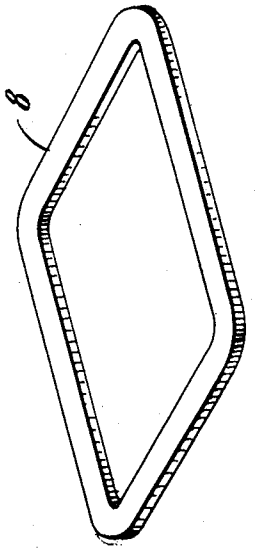
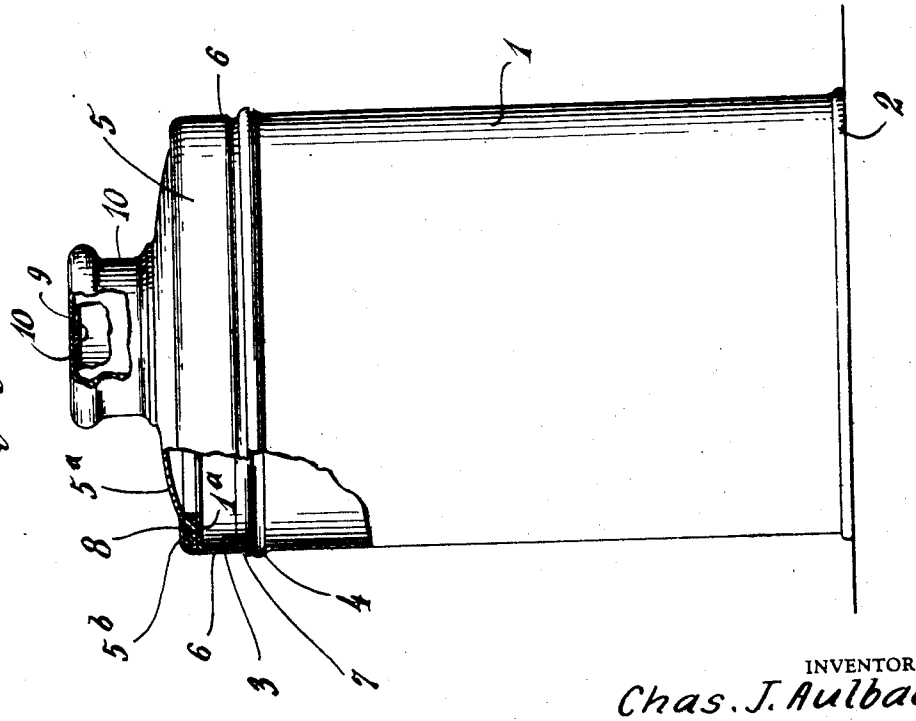


Fig. 1.



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Patented June 18, 1929. 1,718,022

UNITED STATES PATENT OFFICE.

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CONTAINER.

Application filed August 22, 1927. Serial No. 214,461.

My invention relates to improvements in containers of the variety commonly called tin cans and of the class in which covers are slid to place upon the container body.

An object of my invention is to provide simple and efficient means for retaining the cover securely upon the container body without requiring the use of solder or seaming the parts together.

Another object of the invention is to provide improved means to prevent leakage between the container body and the cover.

My invention comprises novel details of improvement that will be more fully hereinafter set forth and then pointed out in the claims.

Reference is to be had to the accompanying drawings forming a part hereof, wherein

Fig. 1 is a partly broken side view of a container embodying my invention;

Fig. 2 is a partly broken plan view of the container body, and

Fig. 3 is a perspective of the gasket fitting between the container body and the cover.

Similar numerals of reference indicate corresponding parts in the several views.

A container body is indicated at 1 which may be made in any desired way, such as usual in making so-called tin cans, the same being shown provided with a bottom or closure 2 which may be attached to the body in any well known way, such as by seaming or soldering. Adjacent to the open end of the container body is an inwardly extending recess or groove 3 passing entirely around the body, and adjacent to the recess 3 the body is provided at 4 with an outwardly extending bead or rib located between said recess and the bottom 2. A cover for the container body is indicated at 5, which cover is shown provided with a top 5^a having a depending skirt or flange 6 adapted to pass over and receive the adjacent open end of body 1. The cover with its skirt or flange may be formed by stamping in a suitable piece of metal if desired. The free edge of the skirt or flange is indented or pressed inwardly at 7 in such a way as to fit snugly within the recess 3 of the body to retain the cover upon the body with the flange preferably fitting tightly against the outer end portion of the body, as illustrated in Fig. 1. The skirt or flange 6 of the cover is more or less flexible so that when the cover is slipped upon the body the skirt or flange will expand sufficiently to permit the indented edge portion to slide along the body so that when the portion 7 opposes the recess 3 of the body the portion 7 of the skirt will snap or spring into said recess and engage the metal of the body in such a way as to securely retain the cover upon the body, the portion 7 of the skirt then nesting snugly within the recess 3. The location of the bead 4 is preferably such that the extreme edge of skirt 6 of the cover will rest against the bead. Since the metal of the body is inwardly recessed at 3 and outwardly pressed at 4 such portion of the body will be materially stiffened, and the contact of the portion 7 of the skirt 6 with the body 1 will be sufficiently firm to assist in preventing leakage of the contents from the body.

To further assure a tight fit between the body and the cover I provide the outer edge of the body at its open end with an inwardly extending flange 1^a, which is shown relatively flat all around the mouth of the body, and upon said flange is a gasket 8 of any desired material suited to the contents of the body, and the marginal portion 5^b of the top 5^a of the cover is made relatively flat so as to rest upon the gasket, as shown in Fig. 1. The relative relation of the parts 1^a, 8 and 5^b respecting the indented portion 7 of the cover is such that when the parts are to be assembled with the gasket between the parts 1^a and 5^b the cover will be forced to its final place with contact secured between the flange 1^a, the gasket and the cover and with the indented portion 7 of the skirt 6 engaging the recess 3 of the body, whereby a tight fit will be effected between the flange, the gasket and the cover portion 5^b to prevent the escape of the contents of the container, and the cooperation of the cover portion 7 with the body recess 3 will retain the gasket tightly clamped between the flange 1^a and the cover top.

The container may be provided with a perforated neck 9 and a removable cap 10, in any desired or well known way.

An advantage of my invention is that the container body and the cover may be made of any desired substantially rectangular or oblong form in cross section with the cover securely attached to retain the contents, such as powder, paste and the like, and to

prevent the same from sifting or exuding from between the container body and the skirt or flange 6 of the cover. A further advantage is that when the cover has been applied upon the body there is no danger of the cover becoming loosened or being pulled off in use because of the cooperation of the indented portion 7 and the recess 3.

Having now described my invention what I claim is:—

A container comprising a body portion having an open end, said body portion being provided with an outwardly projecting bead adjacent but spaced from the upper end thereof and an inwardly projecting portion above the bead forming a retaining groove, a cover for said container body comprising a top portion having a depending flange adapted to snugly fit said body portion between the bead and the upper end thereof, said depending flange having an inwardly bent portion at its extreme lower edge adapted to engage said groove when the lower edge of the flange is in engagement with said bead for permanently retaining the cover on said body, said cover having an opening through which the contents of the container may be dispensed, and a removable cap for closing said opening.

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