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D. BELCHER

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CARRYING HANDLE FOR CONTAINERS

Original Filed Feb. 5, 1935

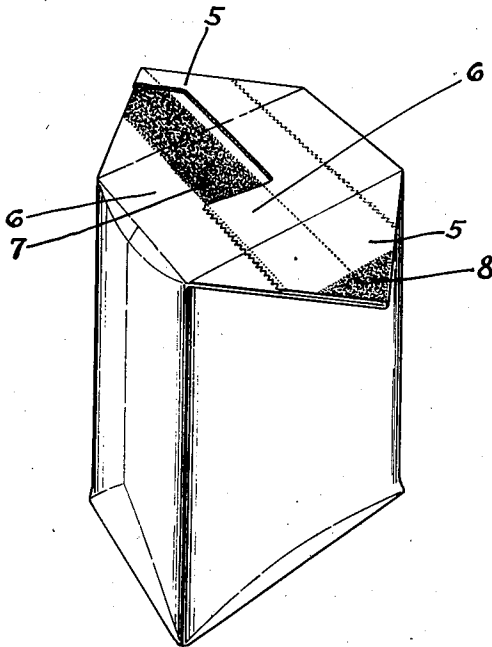


FIG. 1

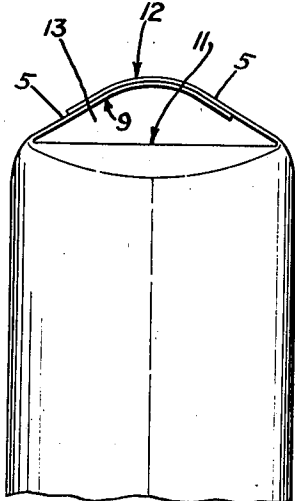


FIG. 3

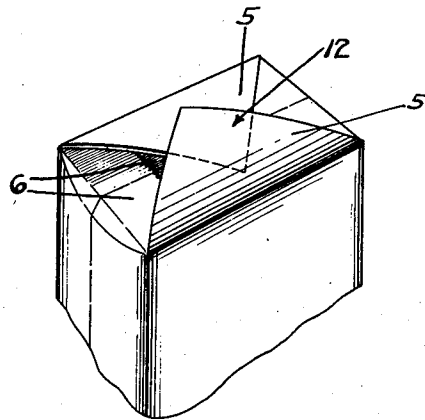


FIG. 2

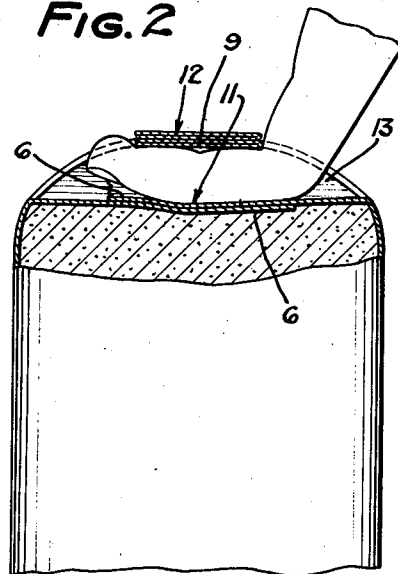


FIG. 4

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CARRYING HANDLE FOR CONTAINERS

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Original application February 5, 1935, Serial No.
5,065. Divided and this application February
14, 1938, Serial No. 190,360

3 Claims. (Cl. 229—54)

This invention relates to new and useful im-
provements in bag top closures, and an object
of the invention resides in the novel manner in
which the bag top walls are closed and folded
into sealing relation, whereby a suitable carry-
ing handle is provided to facilitate carrying the
package.

A further object is to provide a bag top clo-
sure of the general character disclosed in the
patent to William J. Geimer, No. 1,833,675, but
which distinguishes therefrom in that the bag
top walls are so gummed and folded into seal-
ing and closing relation, that when oppositely
disposed portions thereof are folded over the
bag top and suitably secured together, a carry-
ing handle or grip is provided which may read-
ily and conveniently be grasped by a person car-
rying the package.

Other objects reside in the unique manner of
folding oppositely disposed walls of the bag
mouth over the bag body and suitably uniting
them, whereby the bag is substantially hermeti-
cally sealed, and whereby oppositely disposed tri-
angularly shaped flaps are provided, which flaps
are folded inwardly over the previously folded
wall portions and have their terminals suitably
secured together, thereby to provide a simple and
inexpensive carrying handle which does not im-
pair or detract from the neat appearance of the
package.

The present application is a division of my
pending application, Serial No. 5,065, filed Feb-
ruary 5, 1935.

Other objects of the invention will appear from
the following description and accompanying
drawing and will be pointed out in the annexed
claims.

In the accompanying drawing, there has been
disclosed a structure designed to carry out the
various objects of the invention, but it is to be
understood that the invention is not confined to
the exact features shown as various changes may
be made within the scope of the claims which
follow.

In the drawing:

Figure 1 is a perspective view of a filled bag
showing opposite wall portions of the bag mouth
folded inwardly over the bag body and suitably
secured together to completely seal the bag
mouth;

Figure 2 is a perspective view showing the bag
top completed and whereby a carrying handle is
provided therein;

Figure 3 is an end view of the closed bag top,
showing the upper wall portions which constitute

the handle separated from the bag body to facili-
tate grasping the handle; and

Figure 4 is a similar view, partially in section,
showing a finger inserted beneath the handle.

In the operation of closing the bag top in the
novel manner herein disclosed, the end walls
6—6 of the bag top are folded inwardly over the
bag body, as clearly illustrated in Figure 1,
whereby triangularly shaped flaps 5—5 are pro-
vided which, as shown in Figure 1, extend out-
wardly in opposite directions.

A substantial area of one of the end walls 6
of the bag mouth is gummed, as indicated at 7 in
Figure 1, whereby when the end walls 6—6 are
folded inwardly, one over the other, as shown
in Figure 1, they are united or bonded together
to provide a leak-proof joint therebetween. The
gummed area 7 may extend outwardly to sub-
stantially the tips of the oppositely disposed
flaps 5—5, whereby the overlapping portions of
the end walls are united substantially their entire
length. If desired, gum may be applied to both
end walls 6. In practice, however, I have found
that a secure bond between the overlapping por-
tions of the two walls is obtained by the applica-
tion of gum to one wall only.

The flaps 5—5 formed by thus inwardly folding
the end walls 6, are then folded inwardly over
the folded end walls and their tip portions or
terminals suitably secured together by the appli-
cation of a suitable gum or adhesive 8 to one or
both of the tips. The gum 8 is so arranged on
the tips that it will be disposed between the
contacting portions thereof, when the tips are
folded into contact with one another, as shown
in Figures 2, 3, and 4, whereby the under sur-
faces 9 of the flaps 5—5 will not be united to the
top wall portion 11 of the bag body, formed by
the united end walls 6—6.

The side flaps 5—5, when united, as shown in
Figure 3, cooperate to provide a handle, gener-
ally indicated by the numeral 12. When folding
the side flaps 5 into engagement with one another
to provide the handle 12, they are preferably so
arranged that they may be separated from the
sealed walls 6 to provide an opening 13 between
said flaps and the folded wall portions 6, adapted
to receive a finger, as shown in Figure 4. In
Figure 3, the opening 13 may be shown slightly
exaggerated, but it is to be understood that when
the side flaps are folded into engagement with
one another and suitably secured together, a
slight looseness may be provided therein to
facilitate separating them, as shown in Figures
3 and 4. This looseness, however, is not sufficient

to mar or affect the neat appearance of the bag top, when the bags are displayed on a shelf or counter, or when stacked one on top of another. It is also to be understood that when a finger is inserted beneath the handle 12, the top wall portion 11 of the bag body may yield to downward pressure on the finger.

In the drawing, I have shown the overlapping portions of the side flaps 5—5, as being secured together or united by suitably gumming surfaces thereof, as indicated by the numeral 3. It is to be understood, however, that, if desired, other means may be provided for thus securing together the tips of the flaps 5—5. For example, suitable staples, not shown, may be employed in lieu of the gum, or other devices may be used which will effect a secure bond between the tips of the two flaps. It may also, in some instances, be found desirable to use staples or other suitable securing elements in combination with an adhesive.

The novel bag closure herein disclosed, has proven very practical in operation, and the embodiment of the handle therein does not add to the cost of closing and sealing the bag mouth. The invention makes it possible to close and seal a bag top in such a manner that a convenient carrying handle is embodied in the sealed bag top, whereby the application of separate carrying handles or devices to the closed bag top is unnecessary.

The bag top walls, when folded into closing and sealing relation to seal the bag top and to provide the novel carrying handle herein disclosed, will present a very neat appearing top which does not require the use of additional elements or parts to provide a carrying handle. Because of the slight looseness provided in the side flaps 5—5, when folded into contact with one another and suitably secured together, one or more fingers may readily be inserted between the handle portion, indicated by the numeral 12, and the top wall 11 of the bag body, whereby the filled bag may be conveniently carried about, as will readily be understood by reference to Figure 4.

I claim as my invention:

1. A filled bag having flexible walls extending above the level of the contents of the bag body and cooperating to provide the bag mouth, oppositely disposed portions of the bag mouth walls being folded inwardly over the contents of the bag body and secured together to close the bag mouth, and whereby the remaining extended wall portions are formed into oppositely disposed substantially triangular flaps, said flaps being folded

inwardly and overlapping each other at their relatively narrow terminal end portions only, securing means confined to said overlapping end portion area of the triangular flaps securing said flaps to each other independently of and in spaced relation to the first folded wall portions and forming a relatively narrow carrying handle of said secured overlapping end portions of the flaps, thereby enabling a finger to be readily inserted between the secured flaps and the first folded wall portion to carry the bag by said flap handles.

2. A filled bag having flexible walls extending above the level of the contents of the bag body and cooperating to provide the bag mouth, oppositely disposed portions of the bag mouth walls being folded inwardly over the contents of the bag body and secured together to close the bag mouth, and whereby the remaining extended wall portions are formed into oppositely disposed substantially triangular flaps, said flaps being folded inwardly and overlapping each other at their relatively narrow terminal end portions only, adhesive means confined to said overlapping end portion area of the triangular flaps disposed between and securing the opposing faces of the overlapping end portions of said flaps to each other independently of and in spaced relation to the first folded wall portions and forming a relatively narrow carrying handle of said secured overlapping end portions of the flaps, thereby enabling a finger to be readily inserted between the secured flaps and the first folded wall portion to carry the bag by said flap handles.

3. A filled bag having flexible walls extending above the level of the contents of the bag body and cooperating to provide the bag mouth, oppositely disposed portions of the bag mouth walls being folded inwardly over the contents of the bag body to close the bag mouth, and whereby the remaining extended wall portions are formed into oppositely disposed substantially triangular flaps, said flaps being folded inwardly and overlapping each other at their relatively narrow terminal end portions only, securing means confined to said overlapping end portion area of the triangular flaps securing said flaps to each other independently of and in spaced relation to the first folded wall portions and forming a relatively narrow carrying handle of said secured overlapping end portions of the flaps, thereby enabling a finger to be readily inserted between the secured flaps and the first folded wall portion to carry the bag by said flap handles.

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