Aug. 15, 1944. D. F. DREHER ET AL 2,355,786

SEALING MEANS FOR BAGS

Filed Dec. 18, 1939

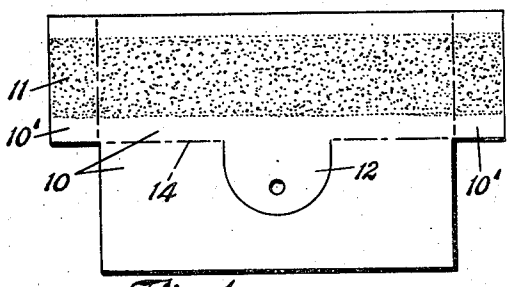


Fig. 1

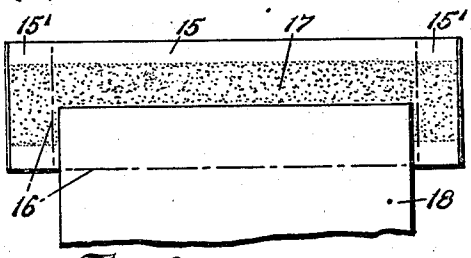


Fig. 6



Fig. 7

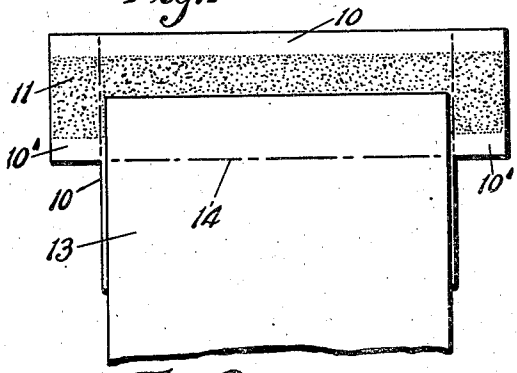


Fig. 2

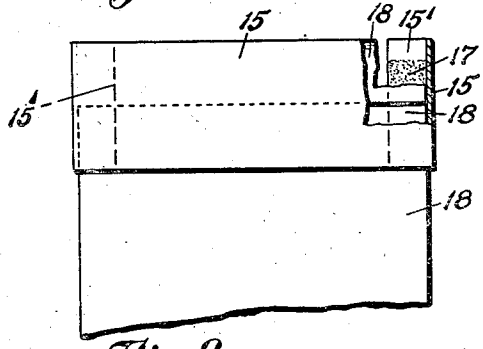


Fig. 8

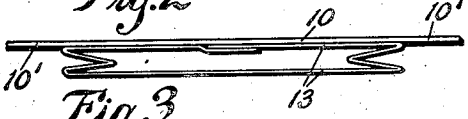


Fig. 3

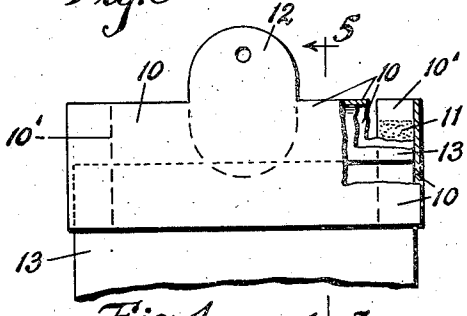


Fig. 4

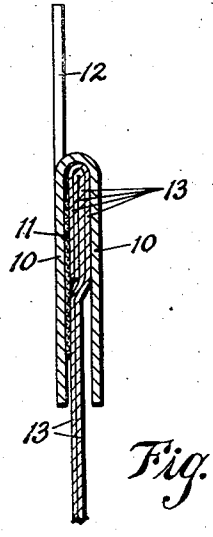


Fig. 5

INVENTOR.
Donald F. Dreher & Howard E. Lanzit
BY
H. A. Silzenberg
ATTORNEY.

Patented Aug. 15, 1944 2,355,786

UNITED STATES PATENT OFFICE

2,355,786

SEALING MEANS FOR BAGS

Donald F. Dreher and Howard E. Lanzit, Los Angeles, Calif., assignors of one-fourth to Wedworth W. Clarke and one-fourth to Raymond R. Lanzit

Application December 18, 1939, Serial No. 309,759

2 Claims. (Cl. 229—62)

Our invention relates more particularly to means for hermetically sealing bags after matter has been placed therein and where it is desired to open said bags for removal of a portion of the contents and to again reseal it, and to do this repeatedly without destruction of the bag or of the sealing means.

Such bags are used for candies, peanuts, potato chips, cookies and other foods and confectionery, or articles or matter, which it is desired to keep fresh and dry and at the same time be able to open and reseal as may be desired.

Such bags are frequently made of light material and also of transparent material so that the contents of the bag or container may be seen therethrough.

In order to make sure that such bags or containers are really hermetically sealed, it is important that the sealing means be strong, economical, convenient and practical, and which will not, after being repeatedly opened, permit air to find its way into said bag or container.

It is also required that the sealing means have provision for printing or advertising matter thereon and constitute a sort of cap or head for the bag or container by means of which it can be safely handled or suspended for display purposes.

Our invention has among its objects to meet all of these requirements in a practical and efficient manner, and in order to more fully explain our invention, we have shown on the accompanying sheet of drawings, certain embodiments thereof, which we will now describe.

Figure 1 is a plan view of a sealing member opened out before a bag is attached thereto, showing also the area coated by an adhesive;

Figure 2 is a similar view but showing the upper, open end of a bag placed down thereupon and partly overlying the adhesive area;

Figure 3 is an end view, looking down into the open end of the bag before it is closed and sealed;

Figure 4 is a view showing the cap or head member folded over upon itself and upon the end of the bag, and showing a tab projecting upwardly therefrom, and also showing the side wings folded back around the opposite sides as reinforcement;

Figure 5 is an enlarged sectional view of the closed cap, taken on the line 5—5 of Fig. 4;

Figure 6 is a view similar to Fig. 2, showing a slightly modified form of the invention;

Figure 7 is an end view showing the bag mouth open and the cap member bowed slightly as it would be in reaching into the bag;

Figure 8 is a view showing the cap member folded over upon the open end of the bag and with the upper end of the bag also folded down upon itself, with the ends of said cap member folded back around the opposite sides of the bag, parts being broken away to show the different parts or portions.

Referring now more in detail to the drawing, and particularly to Figs. 1, 2, 3 and 4, the cap or sealing member is designated as a whole 10 and is shown with an area provided with a pressure sensitive adhesive, 11, indicated by the fine dotted area, and also having side wings 10', 10' and a struck-out tab portion 12.

The bag is of light material, such a Cellophane, with its sides folded inwardly accordion-like, and designated as a whole 13 in said figures. This bag is placed down upon the area of adhesive as indicated in Fig. 2, and then the top, open end of the bag and said member 10, are folded down, at the fold line 14, whereupon the upper portion of the adhesive coated member 10—11, is pressed down upon the face of the bag, as indicated in Fig. 4, and the wing portions 10', 10', are folded backwardly around the opposite sides of the bag and pressed upon the back of the member 10, as will be understood from Fig. 4, where portions are broken away to show the folded relationship of the parts.

This constitutes a very strong sealing cap or member for the open end of a bag or container and the wing portions reinforce it while the tab portion projects upwardly for handling or even hanging the filled bag upon a suitable holding member, not shown.

Thus the top of the bag is folded down flatwise upon itself, with the member 10 folded with and around it, the adhesive above the end of the bag, on said member 10, bearing upon the front of the bag at and below the folded top edges thereof and sealing upon the folded end of the bag, below the end proper of said bag as it is folded down upon itself. This surrounds the open end and opposite sides of the bag with adhered portions of the member 10.

Referring now to Figs. 6, 7 and 8, this is a slightly simplified form of the invention, on a bag not having its opposite sides provided with the accordion folds. The cap or sealing member 15 has wing portions 15', 15' to be folded, all fold lines being designated 16, and having the adhesive coated area 17, upon which the bag 18 is placed and pressed down thereupon, as indicated

in Fig. 6, and as seen in Fig. 7 before it is folded. In this form of the invention, the entire uncoated side of the member 15 is adapted to receive advertising matter, as it is folded over, with the top portion of the bag, on the fold line 16, to the position indicated in Fig. 8, with the wing portions 15', 15' turned back and pressed down upon the back of the bag proper, instead of upon a portion of a cap or sealing member, as in Figs. 1 to 4, before described. The top, open end of the bag rests first upon the coated area, as indicated in Fig. 6, and then when the top of the bag is folded over upon itself, together with the member 15, the balance of the coated area bridges across the top edges or end of said bag, as folded upon itself, and adheres to the front of the bag at and below said end, thus hermetically sealing the bag, which is reinforced as the wing portions 15' are folded around the opposite edges of the bag, as clearly indicated in Fig. 8.

It will be understood that the adhesive used in all forms of the invention is known as a pressure sensitive adhesive which can be pressed together and will remain sealed, but that it can be unsealed by taking an edge and rolling it back carefully and can be again resealed by simply pressing the parts together again. This can be accomplished repeatedly without destroying the adhesive.

We do not, however, limit our invention to the details of construction and arrangement shown for explanatory purposes, except as we are limited by the hereto appended claims.

We claim:

1. Sealing means for a bag including a card-like member coated on one side with a pressure sensitive adhesive, a bag having its open end pressed flatwise down upon said member and said adhesive to adhere one side of said bag to said member with the end of said side of said bag in a part of said adhesive, said member together with the open end of said bag being folded down upon the other side of said bag and adhered thereto, said member having extensions at its opposite sides portions of which carry an adhesive coating arranged in alignment with the adhesive on said member, said extensions to be folded rearwardly around the opposite sides of said bag to effect hermetical sealing thereof.

2. Sealing means for a bag including a card-like member coated on a portion of one side with pressure sensitive adhesive, a bag of less width than said member having its open end pressed flatwise down upon said member and said adhesive to adhere one side of said bag to said member with the end of said side of said bag upon a part of said adhesive, said member together with the end of said bag being folded down upon the other side of said bag and adhered thereto by remaining parts of the adhesive coating, whereby the reverse uncoated side of said member is positioned in front of said bag, the opposite ends of said member being folded rearwardly around the opposite sides of said bag and adhered to the rear side by adhesive carried by said opposite ends to reinforce said sealing means.

DONALD F. DREHER.
HOWARD E. LANZIT.