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2,699,286

CLOSURE FOR BAGS AND POUCHES

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Fig. 1.

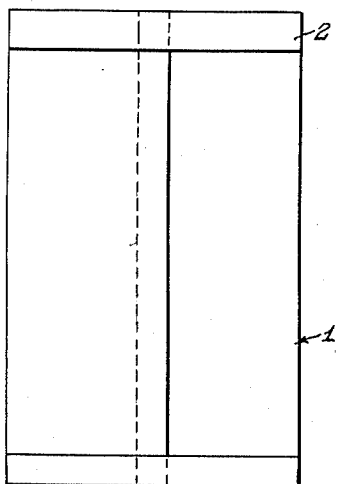


Fig. 3.

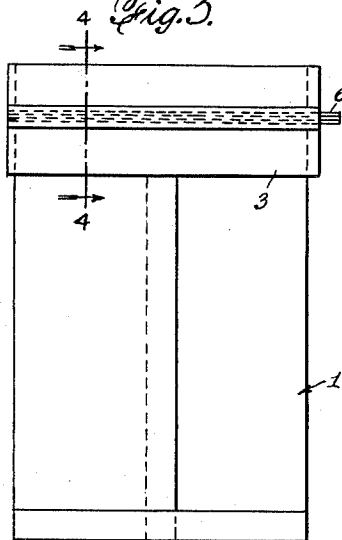


Fig. 2.

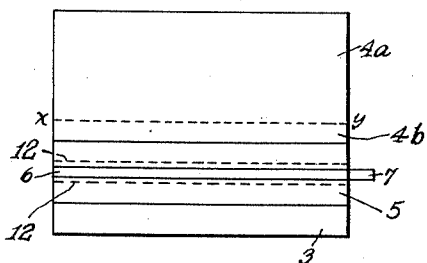


Fig. 4.

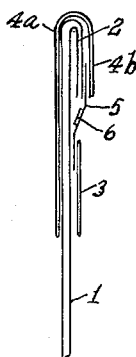
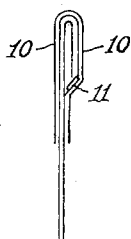


Fig. 5.



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CLOSURE FOR BAGS AND POUCHES

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1 Claim. (Cl. 229—62)

This invention relates to bag closures and has for an object to provide a closure which effectively seals the folded top of a bag, but which can be opened without causing injury to or a shortening of the bag itself.

Other objects and advantages will be apparent as the nature of the invention is more fully disclosed.

It is known to close bags or pouches of paper, thin film-like material and the like, by securing the edges by means of fasteners, adhesive or the like and, if desired, making a fold which is also secured by means of an adhesive. It is also known to fold the two edges over together and to grip the folded-over portion in a clip consisting of metal, pasteboard or the like, which is secured by means of a fastener, by sticking, welding or by any other means of consolidation.

In order to use the contents of the bag, it must be opened by tearing it below the portion at which it is fastened, stuck, gripped or otherwise closed, and this operation frequently results in damage to the bag. It has already been proposed to provide perforations or indentations in the paper or the film-like material, or a tear-off strip, but this method is not entirely satisfactory. In all such cases, the length or depth of the bag is reduced when it is opened.

The present invention provides a simple method of closing a bag without internal sticking or fastening, which enables the bag to be rapidly opened without danger of tearing. In one embodiment both top edges of the bag are folded over and a sealing strip is secured thereto. One side of the strip includes a window of film-like material with a tearing cord. When the cord is pulled, the strip is torn into two parts which, on separating, uncover the bag fold, which can then be unfolded to open the bag.

The embodiments hereinafter described by way of example will enable the invention to be more readily understood with reference to the accompanying drawing.

In the drawings:

Fig. 1 is a front elevation of a bag the edges of which are folded down on one side;

Fig. 2 is a plan view of a sealing strip according to the invention;

Fig. 3 is a front elevation showing the bag of Fig. 1 with the sealing strip in position;

Fig. 4 is a sectional view of the upper portion of the bag taken along the line 4—4 of Fig. 3; and

Fig. 5 is a sectional view similar to Fig. 4 showing a further embodiment of the invention:

A sealing strip of pasteboard, thick paper or the like comprises two portions, namely a narrow front portion

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3 (Figs. 2 and 4) and a wide portion comprising the panels 4a and 4b which are separated by a score line x—y to facilitate the folding of the strip. The panel 4a situated on one side of the line x—y (Fig. 2) is placed on one of the faces of the bag 1, while the panels 4b and 3 are placed on the other face (Fig. 4). The panels 4b and 3 are joined by means of a window 5 of thin film-like material which is adhesively attached thereto. A tearing cord 6 of strong film-like material or any other material, such for example as a yarn or fabric is secured on the inside of the window 5.

The folded-over end portion 2 of the bag is of such length that the window 5 straddles the free end thereof. The panels 3, 4a and 4b are adhesively secured to the front and back of the bag over the folded over portion 2. When the end 7 of the cord 6 is pulled, the window 5 tears, whereby the panels 4b and 3 of the strip are separated. The bag or pouch, which is completely intact, can then be opened. The tearing of the strip may be facilitated by lateral perforations or holes 12 (Fig. 2) punched in the window 5.

It is obvious that this example is in no way limitative and that the invention also covers any variant designed in the same spirit. Thus, the sealing strip may consist of paper, or of opaque or transparent adhesive film-like material. The arrangement may also be simplified by employing a sealing strip 10 consisting of film-like material or adhesive paper secured over the bag, as shown in Fig. 5, and carries a tearing cord 11 which is secured to the inside thereof and forms a narrow band without adhere to the bag.

What is claimed is:

In a bag having front and back walls folded over at the top to form a downwardly extending folded top flap, a sealing strip comprising a pasteboard member scored and folded over the top of said bag to form front and back panels which cover the entire top portion of the bag, said front panel comprising upper and lower parts separated by a strip of thin, tearable material, said front and back panels being adhesively secured to said bag with the lower part of said front panel disposed below said folded top flap and with said tearable strip disposed opposite the lower end of said folded top flap, and a tearing cord on the inside of said tearable strip with its end exposed, whereby transverse tearing of the tearable strip by said cord separates the upper part of said front panel from the lower part of said front panel so as to release said folded top flap while the upper part of said front panel remains attached to said bag and to said back panel for reclosing said bag.

References Cited in the file of this patent

UNITED STATES PATENTS

1,006,087	Hertzberg	Oct. 17, 1911
1,032,026	Roden	July 9, 1912
1,262,992	Stephano	Apr. 16, 1918
1,827,636	Ames	Oct. 13, 1931
2,023,919	Duvall	Dec. 10, 1935
2,033,223	Bergstein	Mar. 10, 1936
2,396,543	Velazquez	Mar. 12, 1946
2,517,801	Roush	Aug. 8, 1950