May 13, 1952 A. BOSSART 2,596,923

CLOSING DEVICE FOR PAPER BAGS

Filed Jan. 30, 1947

Fig. 1

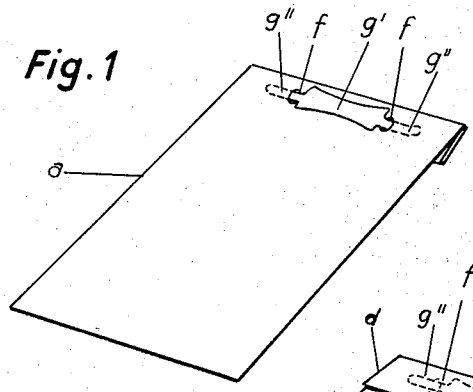


Fig. 2

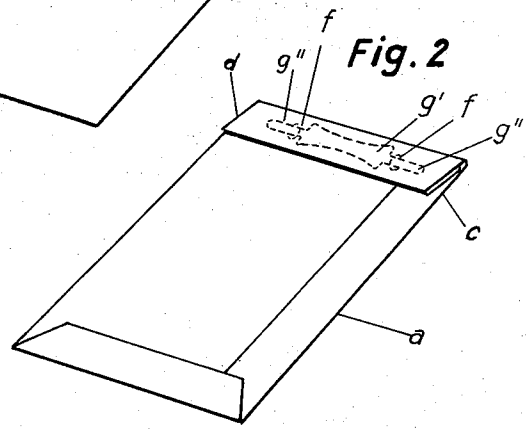


Fig. 3

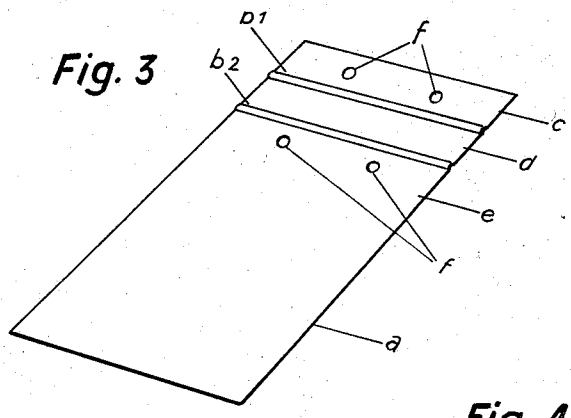
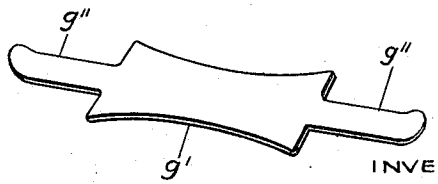


Fig. 4



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CLOSING DEVICE FOR PAPER BAGS

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2 Claims. (Cl. 229—65)

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This invention refers to a closable bag whose characteristic features are that it employs a flat, two-armed bendable closing member whose arms are threaded through two pairs of registering holes corresponding to the width of the arms of the closing member; these pairs of holes lying in registry upon each other when the wall of the bag is folded together, so that each of the two arms of the closing member can be threaded through the corresponding closing holes in the bag wall sections which are arranged and folded upon each other, whereby the wall sections are maintained in folded and closed condition.

The improvement consists in that each of the two pairs of closing holes are arranged at such a distance from the outermost edge of the bag opening that predetermined sections or zones of the bag wall are provided with said pair of holes and when folded adjacent each other come to lie between an intermediate, imperforated zone or section of the wall of the bag. As a consequence of this arrangement, respective pairs of the holes come to lie upon each other, and the arms of the closing member when inserted in the registering holes are hidden from view by said intermediate section of the bag wall.

The drawing shows one example of execution of the closable bag made in accordance with the invention.

Fig. 1 shows in perspective the front and Fig. 2 shows the back of the bag; Fig. 3 illustrates the bag in unfolded condition with detached closure means; and Fig. 4 illustrates the closing member in perspective.

The flat, lengthy bag or envelope *a* has, as shown in Fig. 3, at the extreme wall portion defining the bag opening three sections or zones *c*, *d* and *e*, separated from each other by two folds or creases b_1 and b_2. The outermost or upper zone *c* and the innermost or lower zone *e*, remote from the bag opening, have each a pair of closure holes *f* passing through the flat-lying wall of the bag, whereas the intermediate zone *d* of the wall is imperforated. In addition, the holes are so arranged that when the edge or upper zone *c* is folded about crease b_1 onto the intermediate zone *d*, and then together with the latter is folded about the fold b_2 on the wall zone *e*, these holes come to lie in registry with each other. For retaining and securing the wall zones *c* and *d* in their folded and closed position, the flat and preferably springy closing member *g*, illustrated in Fig. 4, is used; this member has a broader or enlarged middle part *g'* and two legs or arms *g''* whose extremities or ends are preferably bent in

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upward direction. These arms *g''*, while the springy middle part is being bent are enabled to be pushed through the holes *f* which are arranged contiguous to each other and to be thereby inserted in opposite directions between the wall sections *c* and *d*. When the middle part *g'* of closing spring member *g* is released, this springy closing member straightens out again so that the closing zones *c*, *d*, and *e* of the wall which have been folded over each other are held on to each other and thus a good but detachable closure is effected. Thereby the two legs or arms of the closing member are entirely covered at the back by the intermediate wall part *d* and the legs can neither project from nor be pushed out of the closure holes.

The wider middle part *g'* prevents, as is known, the closing member from sliding through the holes and the bending of the ends of the arms *g''* in upward direction facilitates their insertion into the closure holes when the middle part is being bent. It is to be recommended to make the holes or slits in the wall parts *c* wider and/or longer in comparison with the holes or slits in the wall part *e* in order to avoid any difficulty for the insertion of the arms of the closing member, even if the closing holes should not register exactly with each other.

It can thus be seen that there has been provided according to the invention a closable bag and like container comprising three sections; upper section, intermediate section and lower section, respectively, said sections being positioned adjacent the opening of said bag, said upper section and said lower section being each provided with a pair of perforations, respective perforations of said pairs of perforations being disposed in alignment with each other, the pair of perforations of said upper section being positioned contiguous to the pair of perforations of said lower section in folded condition of said sections to thereby close said bag, and substantially flat closure means provided with an enlarged median portion and opposite lateral arms extending from said median portion and smaller in width than that of said median portion, said lateral arms being insertable into said perforations of both said upper section and said lower section, respectively, to maintain all said sections in folded condition, said arms being substantially hidden from view by said intermediate section in closed position of said bag.

Having thus described the invention, what is claimed as new and desired to be secured by Letters Patent, is:

1. A closable bag and like container comprising three sections; upper section, intermediate section and lower section, respectively, said sections being positioned adjacent the opening of said bag and being divided from each other by two folds, said upper section and said lower section being each provided with a pair of perforations, said intermediate section being devoid of perforations, respective perforations of said pairs of perforations being disposed in alignment with each other, the pair of perforations of said upper section being positioned contiguous to the pair of perforations of said lower section in folded condition of said sections to thereby close said bag, and substantially flat closure means provided with an enlarged median portion and opposite lateral arms extending from said median portion and smaller in width than that of said median portion, said lateral arms being insertable into said perforations of both said upper section and said lower section, respectively, to maintain all said sections in folded condition, said arms being substantially hidden from view by said intermediate section in closed position of said bag.

2. An elongated closable bag and like container having an opening at one end thereof, comprising three sections; upper section, intermediate section, and lower section, respectively, two parallel folds dividing said sections from each other so that said upper section is located adjacent and said lower section remote from said bag opening, said intermediate section being imperforated, said upper section and said lower section being each provided with a pair of perforations, respective perforations of said pairs of perforations being in alignment with each other, the pair of perforations of said upper section being positioned contiguous to the pair of perforations of said lower section in folded condition of all said sections upon each other, in which condition said bag is closed, and closure means having opposed arms shaped to fit said perforations of both said upper section and said lower section and for maintaining all said sections in said folded condition, said closure means being provided with an enlarged median portion from which said arms extend laterally, said arms being substantially hidden from view by said intermediate section in closed position of said bag.

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