Oct. 31, 1933. G. W. POPPE 1,932,749

LONG LIP BAG WITH FOLDED-IN FLAP

Filed June 27, 1932

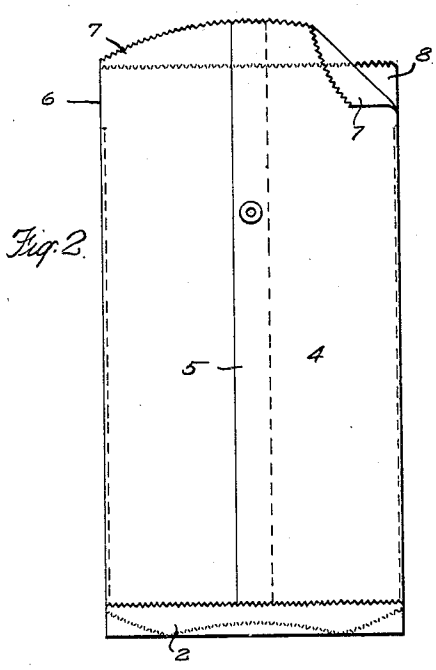


Fig. 2.

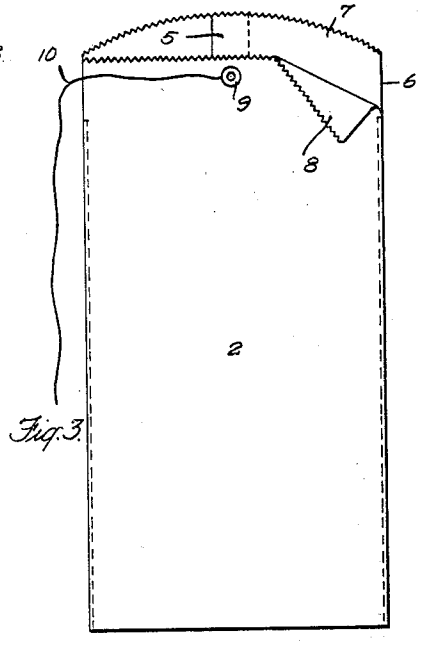


Fig. 3.

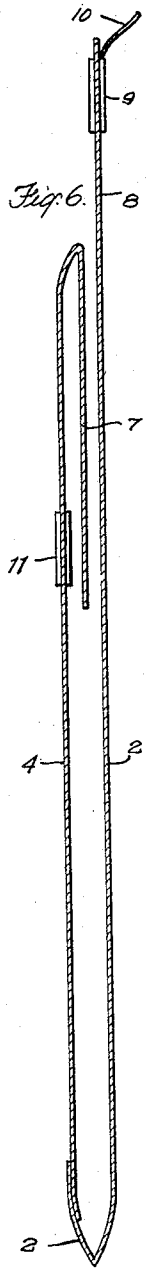


Fig. 6.

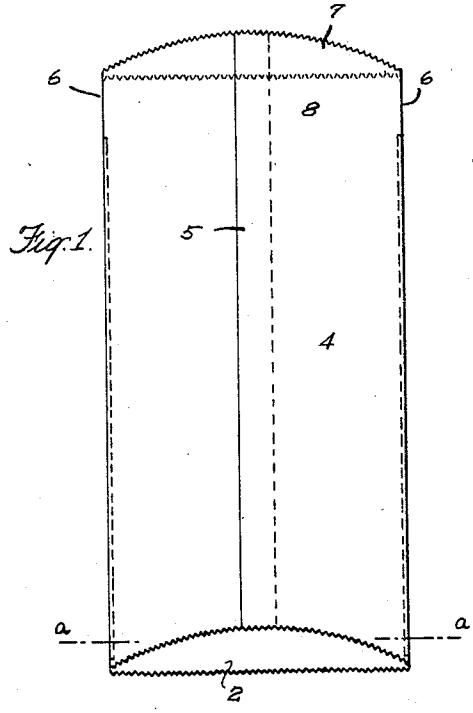


Fig. 1.

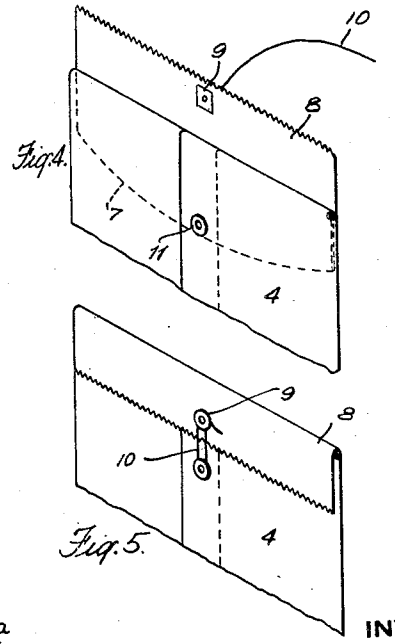


Fig. 4.

Fig. 5.

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Patented Oct. 31, 1933

1,932,749

UNITED STATES PATENT OFFICE

1,932,749

LONG LIP BAG WITH FOLDED-IN FLAP

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Application June 27, 1932. Serial No. 619,406

5 Claims. (Cl. 229—62)

This invention relates to a bag envelope which is adapted to be easily made by ordinary bag machinery and which provides two closing flaps, one foldable inside the bag and the other outside to very securely close the bag.

Ordinary bags known in the trade as grocery bags are made by machinery which has been developed to a high degree and bags of the ordinary grocery type can be produced at a very high rate of speed. Such bags are formed by folding over a web of paper in such a way as to form a seam approximately along a central longitudinal line thereby forming a bag tube and subsequently, by suitable cutter knives, severing the tube into bag lengths. The bag of the present invention is formed by such usual bag machinery but in addition the upper end is slit at opposite edges to provide two flaps of considerable depth.

The particular construction and advantages of the bag made according to the present invention will be better understood by reference to the accompanying drawing in which:—

Figure 1 is a portion of a tube which has been severed into a bag length but prior to formation of the bottom fold;

Figure 2 is the same bag after the bottom fold has been made;

Figure 3 is the reverse side of the bag shown in Figure 2;

Figure 4 shows the upper portion of a bag such as shown in Figure 3 but with the seam flap folded inside the bag;

Figure 5 shows the same with the front flap folded over onto the seam wall; and

Figure 6 is a longitudinal section showing the bag with the flaps having the positions as indicated in Figure 4.

Referring to Figure 1 a tube length out of which a bag is to be formed is shown as consisting of a plain wall 2 and a seam wall 4, the center seam 5 being in the wall 4. The bag tube is slit at its upper edges as indicated at 6, which slits form upper closing flaps 7 and 8. The bottom of the bag is folded along the line *a—a*, Figure 1, and pasted down on the seam wall 4. After the bottom has been folded over and pasted the bag has the appearance shown in Figure 2 in which the upper wall is the seam wall and the under wall the plain wall. Figure 3 shows the bag in reversed position and also shows a stud 9 to which is attached a string 10 for securing the flap when the upper flap has been folded over as shown in Figure 4 in which position the flap 7 having the rounded edge has been folded inside the bag while the flap 8 is shown in position ready to be folded over onto the seam wall of the bag. Figure 5 shows the latter condition. In this figure the string 10 is shown as having been wound around a second stud 11 formed in the seam wall 4. The relation of the bag walls and flaps will be clearly seen from a consideration of Figure 6.

By reference to Figure 1 it will be noted that when the bottom fold is made a portion of the upper wall of the bag is included within the fold and therefore the bottom of the bag is reinforced at its corners making a much tighter bag bottom than exists in envelopes due to the particular manner in which the latter are made. The present article is for this reason called a "bag envelope" although insofar as security of the bottom fold is concerned it is even superior to ordinary envelopes. It likewise possesses the characteristics of an envelope in that it has a plain wall 2, Figure 3, upon which matter may be printed and the appearance of this printed matter is not in any way marred by seams or flaps. The bottom sealing flap and the upper closing flap 8 are both folded over onto the seam side leaving the wall tube absolutely plain.

Although the particular bag illustrated is what is known as a flat bag it is of course obvious that bags having a bellows fold and a square bottom may also be constructed with the double closing flap as herein described.

What I claim is:—

1. A bag having back and front walls, the back wall having a seam, a closing flap folded over on the seam wall and two upper flaps which are prolongations of the respective bag walls, the seam flap being longer than the plain flap and adapted to be folded over inside the bag and the other flap adapted to be folded outside the bag and onto the seam wall.

2. A bag having back and front walls, one of said walls having a seam, a bottom closing flap which is a prolongation of the front wall and which is folded over onto the seam wall, two upper flaps which are prolongations of the respective bag walls, the seam flap being longer than the plain flap and adapted to be folded over inside the bag, the other flap adapted to be folded outside the bag and onto the seam wall.

3. A bag having back and front walls, one of said walls having a seam, a bottom closing flap which is a prolongation of the front wall and which is so folded over onto the seam wall as to include a portion of the seam wall within the

fold, two upper flaps which are prolongations of the respective bag walls, the seam flap being longer than the other flap, said seam flap adapted to be folded over inside the bag and the other flap adapted to be folded outside the bag and onto the seam wall.

4. A bag having back and front walls, the back wall having a seam, a bottom closing flap folded over on the seam wall, said flap including a portion of the seam wall, and two upper flaps which are prolongations of the respective bag walls, the seam flap being longer than the plain flap and adapted to be folded over inside the bag and the other flap adapted to be folded outside the bag and onto the seam wall.

5. A bag having back and front walls, one of said walls having a seam, a bottom closing flap which is a prolongation of the front wall and which is so folded over onto the seam wall as to include a portion of the seam wall within the fold, two upper flaps which are prolongations of the respective bag walls, the seam flap being longer than the plain flap and adapted to be folded over inside the bag, the other flap adapted to be folded outside the bag and onto the seam wall.

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