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2,788,169

SEALING AND CARRYING DEVICE

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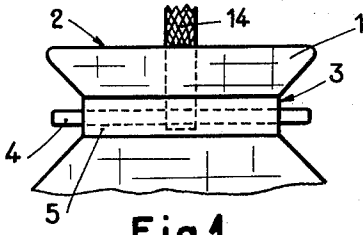


Fig. 1.

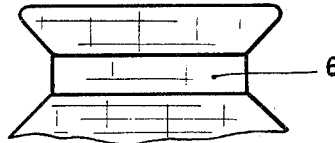


Fig. 2.

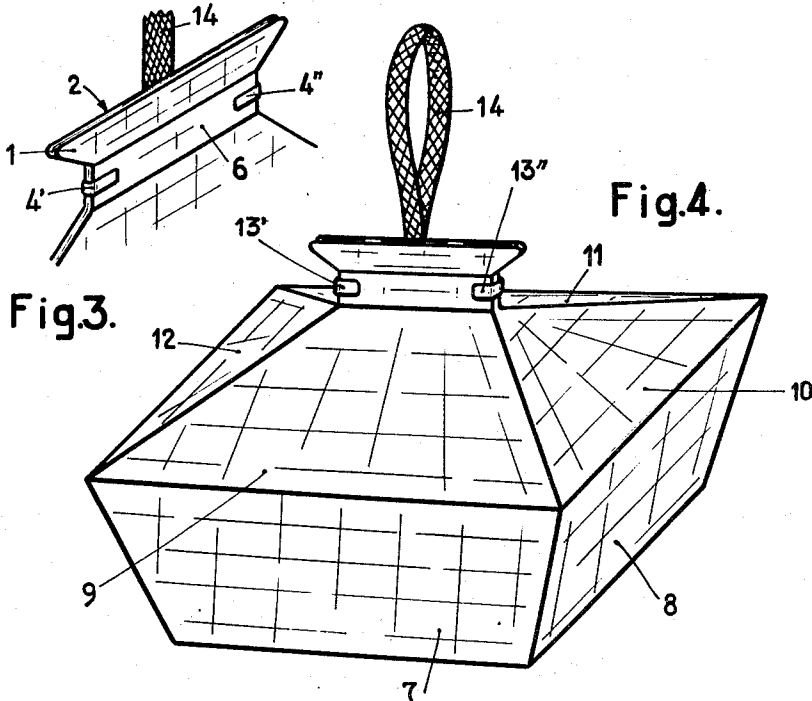


Fig. 3.

Fig. 4.

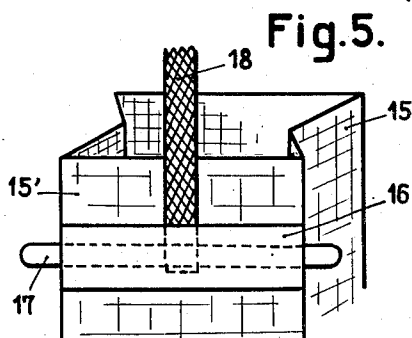


Fig. 5.

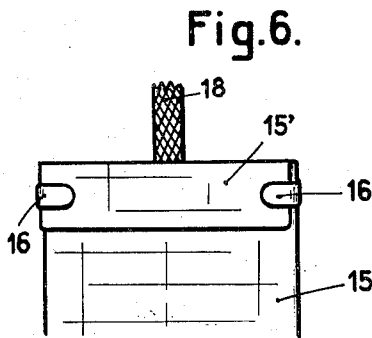


Fig. 6.

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1

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SEALING AND CARRYING DEVICE

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**Claims priority, application Switzerland
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3 Claims. (Cl. 229—52)

The present invention relates to a small container made of paper, cardboard or the like and provided with closing means, for example a cardboard box or a paper bag.

It is the main object of the present invention to provide such containers which can easily and again be closed and opened, such as are used in shops, in pastries and the like to pack the goods for the customers.

According to the present invention the container bears in the immediate proximity of the opening which has to be closed three parts consisting of a metal strap or a wire, of a loop made of a supple material wound round this strap or wire and of an adhesive ribbon or tape which fastens these parts to the container being along and over the metal strap or wire and across the wound end of the loop.

The annexed drawing shows two embodiments of the object of the invention given by way of example in the form of a box which can be folded up and of a paper bag.

From the Figs. 1 to 3 it will be apparent how the closing according to the invention works; Fig. 4 shows a perspective view of a cardboard box provided with this closing; Fig. 5 shows the opened end of a paper bag; and Fig. 6 the same end when closed.

The represented cardboard box is of the kind which can be folded up, and which is especially used for packing sweets. Four flaps are provided to close the opening of said cardboard box.

The Figs. 1 and 2 show the free ends of such two flaps intended to lie opposite to one another, the shape of which can be of any desired form but must lie in such a way that the corresponding ends according to the view in Fig. 3 can be laid together.

Fig. 1 shows the end 1, having an edge 2, behind which the profile is somewhat narrow in 3.

Across through this narrowed part a small metal strap 4 is fastened by sticking with the help of a ribbon 5 consisting of cloth, paper, cellulose, tape or the like. The metal strap is longer than the width of the narrowed part so that it projects over it in both sides.

The free end of the other flap is shown in Fig. 2 and has just the same profile as the above described end of the first described flap.

From the reason of neat appearance and especially when the ribbon 5 is colored or ornamented, the free end of the second flap according to Fig. 2 is provided with a corresponding ribbon 6, however, without a metallic armour.

When the above described two free ends of Figs. 1 and 2 are laid together, as shown in Fig. 3 and the metallic armour of the armoured flap 1 is bent over the other flap a firm although releasable joint of these flaps is obtained, in which the bent parts 4' and 4'' might be easily bent back.

This joint is safe against any influences as the fastened surfaces can not be separated from each other or can not be shifted sideways with reference to their fitted surfaces.

2

The box according to Fig. 4 is closed in this way. Besides its invisible bottom it has four lateral walls two of which are visible in 7 and 8.

On each of these lateral walls are hinged the closing flaps 9, 10, 11 and 12.

The both opposite lying flaps 9 and 11 are trapezoid-shaped. The two others, lying as well opposite to each other are triangular.

The free ends of the flaps 9 and 11 are so profiled and provided as shown in Figs. 1 to 3.

To close the box the both triangularly shaped flaps 10 and 12 lying opposite are first bent inwards and the profiled ends of the two other flaps 9 and 11 are then brought into touch in such a way that they can be joined together as described before by bending the free ends 13' and 13'' of the metallic strap of the flap 11 over the flap 9.

Besides all that has been described till now, the box shows a loop 14, such as a ribbon which is wound round the metal strap before fitting it to the box flap.

Fig. 1 shows how said loop is fixed.

As described before a box closed in such a way can be reopened and closed innumerable times. The parts 13' and 13'' only have to be bent accordingly.

The described metal strap can of course be replaced by a piece of metal wire. Furthermore the box could naturally show any desired shape differing from the described one and the shape and number of closing flaps can as well vary from the described embodiment.

The second embodiment of the invention according to Figs. 5 and 6 represents a paper bag.

On one side and close to the rim of its opening an adhesive ribbon 16, for example a cellulose tape is fastened (see Fig. 5). This ribbon serves at the same time to fix the metal strap 17 and joined to it the loop of the carrying strap 18.

As shown in the previous embodiment the ends of the metal strap project on both sides over the adhesive ribbon and the corresponding side of the paper bag.

Fig. 6 represents the paper bag in closed position and seen from the other side. Its upper part 15' was bent and is held by the also bent projecting free ends of the metal strap 16.

The paper bag is tightly closed and can be easily carried with the help of the loop 18. Furthermore it can be opened and closed several times.

What I claim is:

1. A sealing and handle-attaching device for containers having an opening comprising a thin foldable metal strip being longer than the width of said container adjacent the opening whereby the ends thereof project beyond the edges of said container, a loop of ribbon fastened to the central portion of said strip, a length of adhesive tape wider than the metal strip and having a length substantially equal to the width of the container adjacent said opening secured to said metallic strip and holding said ribbon in position thereon, said adhesive tape including said ribbon and metal strip adapted to be fastened to the exterior surface of said container spaced from said opening and substantially parallel thereto whereby said container may be repeatedly sealed and unsealed by folding over the exterior ends of said metal strip to engage the exterior surface of the opposite side of said container and unfolding said metal strip ends.

2. A sealing and handle-attaching device for open-end containers comprising an adhesive strip having a length substantially equal to the width of said container adjacent said opening, a foldable metal strip narrower than said adhesive tape but whose ends project beyond the extremities of said adhesive tape, and a loop of ribbon fastened to the central portion of said metal strip and secured in position thereon by said adhesive tape.

3

3. In a sealing and handle attaching device for an open-end container, the combination of an adhesive tape, a foldable metallic strip narrower than the width of said adhesive tape whose ends extend beyond the extremities of said adhesive tape, and a loop of ribbon passing around the central portion of said metal strip and secured in position thereon by said adhesive tape.

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