May 16, 1944. M. DODSON 2,348,964

SHOPPING BAG

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Fig. 1.

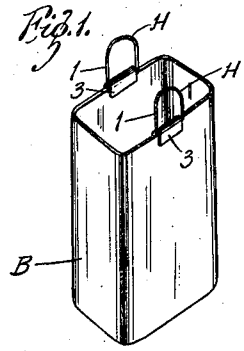


Fig. 2.

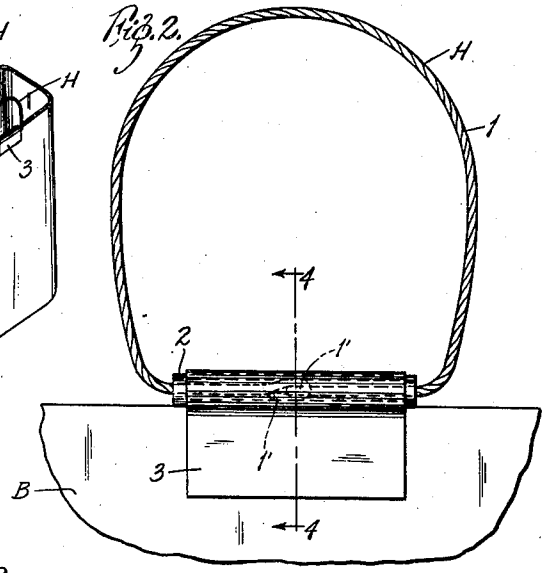


Fig. 4.

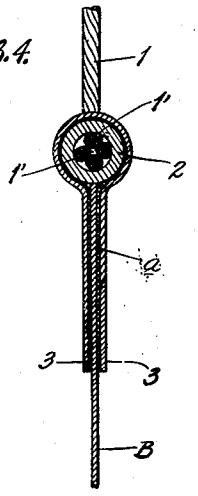


Fig. 3.

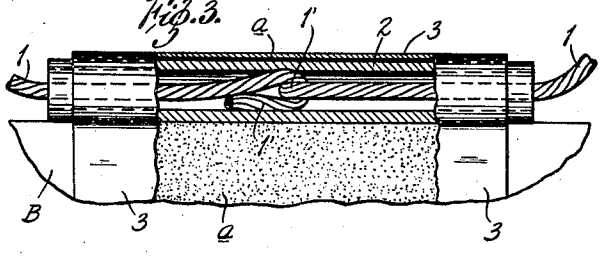


Fig. 5.

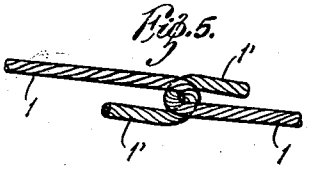


Fig. 7.

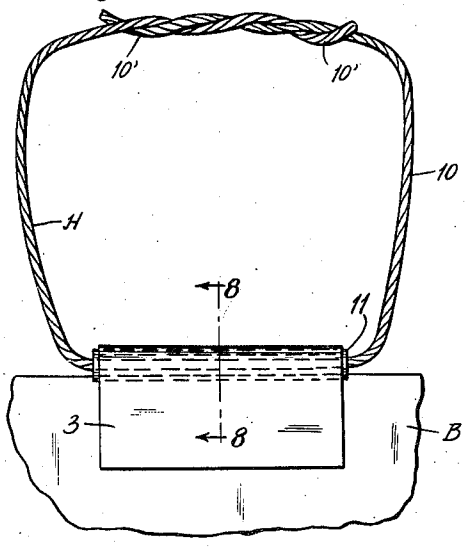


Fig. 6.

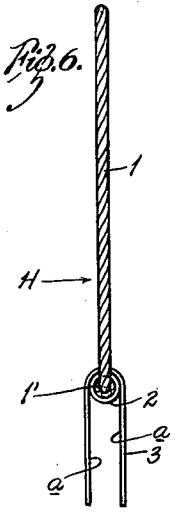


Fig. 9.

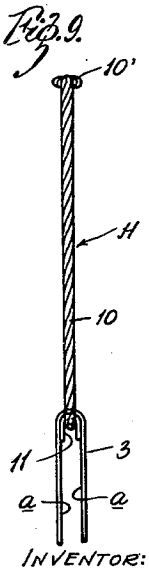
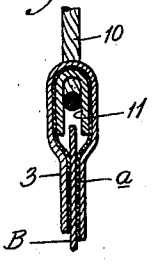


Fig. 8.



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Fig. 10.

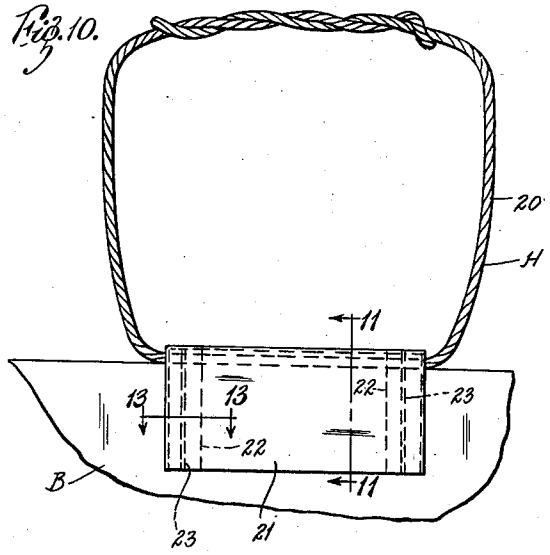


Fig. 12.

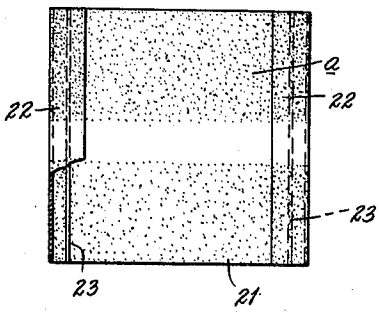


Fig. 11.

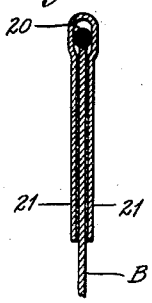


Fig. 13.

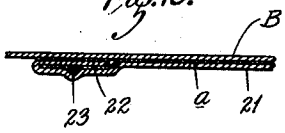


Fig. 14.

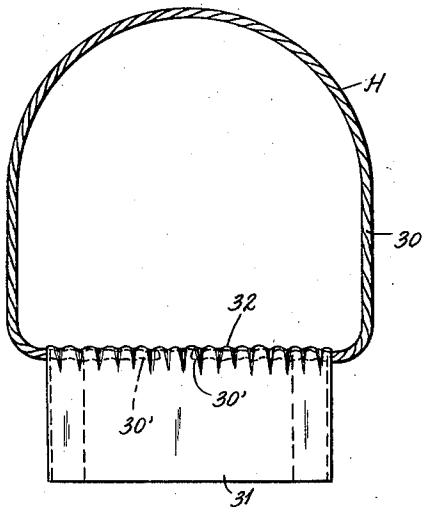
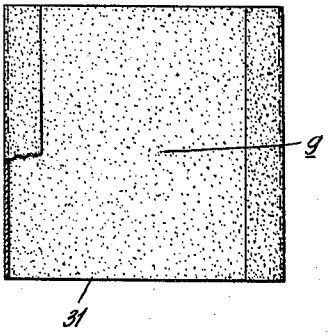


Fig. 15.



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UNITED STATES PATENT OFFICE

2,348,964

SHOPPING BAG

Mark Dodson, St. Louis, Mo., assignor to Edward Sebastian, University City, Mo.

Application July 25, 1942, Serial No. 452,278

4 Claims. (Cl. 229—54)

My invention has relation to improvements in shopping bags and it consists in the novel features of construction more fully set forth in the specification and pointed out in the claims.

The invention is directed more particularly to the handle of the bag and embodies features of strength and durability without the use of staples. Thus, it is one of the objects of the invention to provide a shopping bag handle as an independent article of manufacture that may be applied to any type of shopping bag.

A further object of the invention is to provide a shopping bag handle that is comfortable to hold and that may be manufactured at low cost. Other advantages of the invention will be readily apparent from a detailed description of the invention in connection with the accompanying drawings, in which—

Figure 1 is a small scale perspective view of a shopping bag equipped with my improved handle; Fig. 2 is an enlarged side elevation of the handle attached to the bag, the greater part of which is broken away; Fig. 3 is a further enlarged side elevation of the handle similar to Fig. 3 with intermediate parts broken away and the handle broken away; Fig. 4 is a cross-sectional detail taken on the line 4—4 of Fig. 2; Fig. 5 is an elevational detail showing how the cord ends of the handle are looped together within the reinforcement tube; Fig. 6 is a side elevation of the handle detached from the bag; Fig. 7 is a modified form of the invention showing the handle cord twisted to provide more bearing surface for the hand; Fig. 8 is a cross-sectional detail taken on the line 8—8 of Fig. 7; Fig. 9 is a side elevation of the handle shown in Fig. 8; Fig. 10 is a modified form of handle in which the means of securement to the bag is different; Fig. 11 is a cross-sectional detail taken on the line 11—11 of Fig. 10; Fig. 12 is a developed view of the securing flap of the handle shown in Fig. 10; Fig. 13 is a cross-sectional detail taken on the line 13—13 of Fig. 10; Fig. 14 is an additional modification of the invention showing no separate reinforcement for the handle, but the flap and cord being crimped together to impart additional strength; and Fig. 15 is a developed view of securing flap shown in Fig. 14.

Referring to the drawings, and for the present Figs. 1 to 6 inclusive, B represents a paper bag of conventional type, to which is attached handles H, H, embodying features of my invention.

The handle comprises a bail 1 of rope, twisted paper or other suitable fibrous material, frictionally held within a reinforcement tube 2 (preferably of kraft paper) which tube is secured over the edge of the bag B by a flap 3 glued to the inner and outer surfaces of the bag and the tube (Figs. 3 and 4).

The handle H may be marketed as a separate article of manufacture comprising the bail 1, tube 2, and securing flap 3 the inner surfaces of which are covered with adhesive *a*. This adhesive holds the flap to the tube, and the bail 1 is held within the tube 2 by interlocking the bent-over extremities 1', 1' which frictionally engage the inner surface of the tube 2.

In the modified form shown in Figs. 7, 8 and 9, the bail 10 is disposed within a U-shaped reinforcing member 11 and the bail ends 10', 10' are twisted together to give greater bulk to the top of the bail which is grasped in the hand. These twisted extremities are glued together to give the handle permanence and rigidity.

In Figs. 10 to 13, inclusive, the bail 20 is similar to that shown in 7, 8 and 9, but the flap 21 has its lateral margins 22 turned over, and a reinforcing cord 23 is glued between the main body of the flap and each turned over margin 22. These marginal cords serve as reinforcement for the flap 21 and serve the same function as the tube 2 of the main form.

In the modification shown in Figs. 14 and 15, no separate reinforcing member is used to strengthen the connection between the bail 30 and the flap 31. Instead the ends 30', 30' of the bail are enfolded within the flap together with adhesive *g* and the top 32 of the flap 31 is then crimped or corrugated as shown. These corrugations 33 give the necessary strength to hold the bail 30 in the flap 31.

It is obvious that other modifications may be evolved which would embody the salient features of the invention and I do not wish to be understood as restricting myself to the specific forms shown.

Having described my invention, I claim:

1. A shopping bag handle comprising a flap folded over to form opposing side members, a suitable adhesive on the inner surface of said flap to enable the flap to adhere to the shopping bag wall, a bail of fibrous material secured in the fold of the flap, and a reinforcing element between the flap and the bail.

2. A shopping bag handle comprising a flap folded over to form opposing side members, a suitable adhesive on the inner surface of the flap to enable the flap to adhere to the shopping bag wall, a hollow reinforcing member secured with-

in the fold of said flap, and a bail frictionally held within said reinforcing member.

3. In a shopping bag, a handle comprising a pair of handle securing flaps secured to the upper edges of opposite sides of the bag, a tubular reinforcing member encompassed by each flap, and a bail in the form of a cord or rope disposed in said reinforcing member and having its ends securely connected to form a loop.

4. In a shopping bag, a handle comprising a pair of handle securing flaps secured to the upper edges of opposite sides of the bag, a tubular reinforcing member encompassed by each flap, and a bail in the form of a cord or rope frictionally held in said reinforcing member and having its ends securely connected to form a loop.

MARK DODSON.