April 8, 1941. H. A. WOLF 2,237,324

PAPER BAG

Filed March 15, 1939

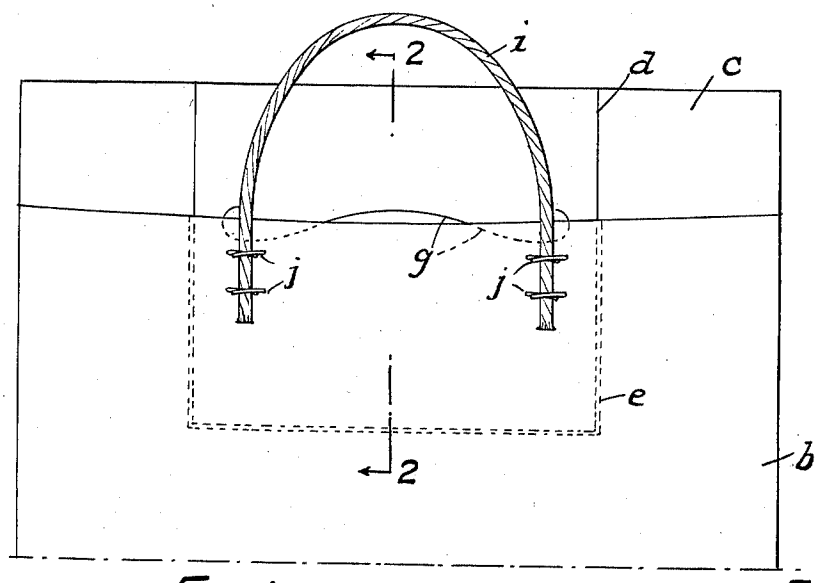

FIG. 1.

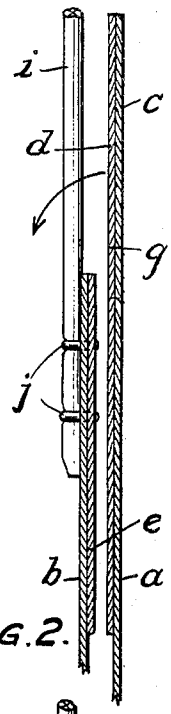

FIG. 2.

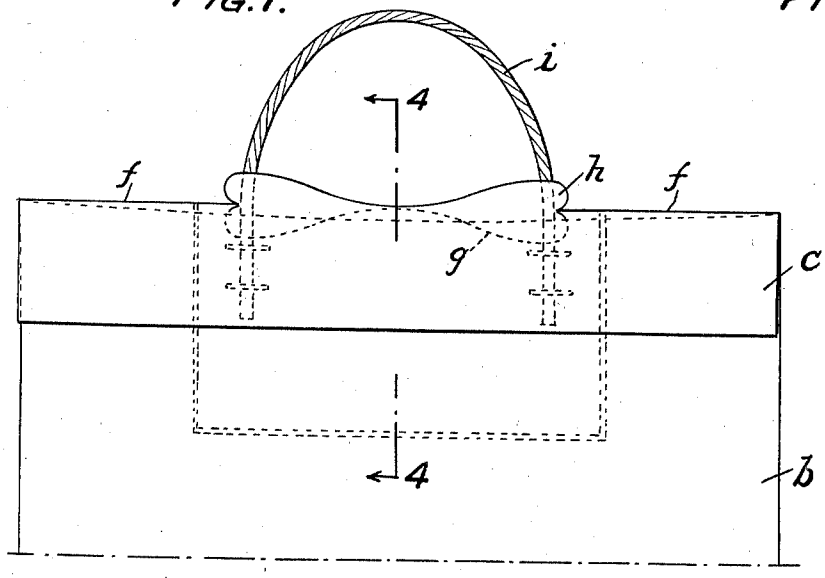

FIG. 3.

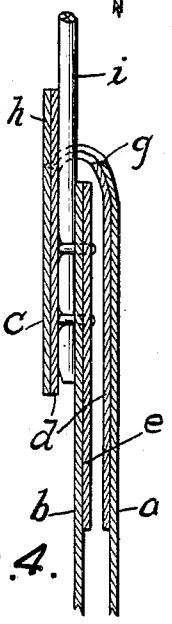

FIG. 4.

WITNESS:

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UNITED STATES PATENT OFFICE

2,237,324

PAPER BAG

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Application March 15, 1939, Serial No. 261,929

2 Claims. (Cl. 229—54)

This invention relates to an improvement in paper bags and more especially to a paper bag provided with novel carrying and closure means and adapted to have a substantial capacity.

Heretofore paper bags of various construction and provided with various closure and carrying means formed therein have been provided, however, such bags, while generally satisfactory for the carrying of small, light articles, have not proved entirely satisfactory for the carrying of articles of substantial weight, but rather under such circumstances have been found to be difficult to carry, to tend to open and the carrying means have been of insufficient strength.

Now in accordance with this invention there is provided a paper bag provided with integral closure means, a carrying handle formed separately and secured to the bag and locking means formed integral with the closure means, all in such arrangement that the carrying handle when put under load will cooperate with the locking means to close the bag and retain the closure means in closing position.

Having now indicated in a general way the nature and purpose of this invention, I will proceed to describe a preferred embodiment thereof with reference to the accompanying drawing, in which:

Figure 1 is a plan view of the upper portion of a paper bag embodying this invention in open position.

Figure 2 is an enlarged sectional view on line 2—2, Figure 1.

Figure 3 is a plan view of the upper portion of the bag shown in Figure 1 in closed position.

Figure 4 is an enlarged sectional view on line 3—3, Figure 3.

The bag shown in the drawing may be constructed of any suitable paper, of any suitable weight with reference to the service for which the bag is intended and will comprise a front wall *a*, a back wall *b* and a closure flap *c*, formed by an extension of the front wall and adapted to be folded down over the open end of the bag on the fold lines *f*, *f*.

The back wall *b* is reinforced adjacent to the open end of the bag by a reinforcing member *d*, of heavy paper or of fabric, which is adhered by any suitable adhesive to the inside of the back wall. Similarly the front wall *a* is reinforced by a reinforcing member *e*, adhered to the inside of the front wall, and having its upper edge in line with the lines of fold *f*, *f* of the closure flap.

The front wall of the bag adjacent its juncture with the closure flap is slit intermediate its edges on the curved line *g* to form a pair of oppositely extending ears *h*, *h*, which, as will be noted from an inspection of Figure 3, will extend from and in the plane of the closure flap when it is folded into closing position.

A handle member *i*, formed from, for example, a length of string or cord, is secured to the back wall of the bag by means of staples *j*, *j* which pass through the reinforcing member *d*, preferably from the inside of the bag. The handle is adapted when the bag is closed by folding down the closure flap *c*, to be passed through the slit on the line *g* in the front wall *b* and the handle is secured to the back wall in such position that, as shown in Figure 3, when strain is put upon it, it will, in its extension, bear against the front faces of the ears *h*, *h* adjacent their ends, tend to move the closure flap into a fully closed position and lock it in such position, at the same time locking the front and back walls of the bag together adjacent the open end of the bag.

As will be obvious, when strain on the handle is released, the closure flap may be readily turned to open position permitting opening of the bag and withdrawal of the handle from the slit *g*.

As will be appreciated, it is not intended that this invention and the claims appended hereto shall be specifically limited to the embodiment as above described for illustrative purposes, since various modification may be made therein without departing from the scope of the invention.

What I claim and desire to protect by Letters Patent is:

1. A paper bag comprising a front wall, a back wall, a closure flap formed by an extension of one of the walls and adapted to be folded over along a fold line against the opposite wall to close the bag, a pair of opposite extending ears formed by slitting the wall, an extension of which forms the closure flap, below the fold line and adapted to extend beyond the line of fold and in the plane of the closure flap when it is folded into closing position and a handle member secured to the other wall adjacent the free edge thereof and adapted to extend through the slitted wall when the flap is folded to close the bag in such position that when under strain it will bear against said ears, retain the closure flap in closing position and hold the walls of the bag together adjacent the line of fold of the closure flap.

2. A paper bag comprising a front wall, a back wall, a closure flap formed by an extension of one of the walls and adapted to be folded over against the opposite wall along a fold line to close the bag, a pair of opposite extending ears

formed by slitting the wall, an extension of which forms the closure flap, below the fold line and adapted to extend beyond the line of fold and in the plane of the closure flap when it is folded into closing position and a length of cord, end portions of which are secured in spaced relation to the wall of the bag opposite to that an extension of which forms the closure flap adjacent the free edge of said wall, and the intermediate portion of which is adapted to be passed through said slitted wall to form a handle when the closure flap is folded over to close the bag, the secured end portions of said length of cord respectively being positioned with respect to said oppositely extending ears respectively so that when said handle is under strain it will in its extension bear against said ears respectively adjacent to their ends, hold the closure flap in closed position and hold the walls of the bag together adjacent the line of fold of the closure flap.

HOWARD A. WOLF.