June 20, 1933. B. M. WILLIAMS 1,914,547

PAPER RECEPTACLE

Filed Nov. 18, 1932

Fig.1.

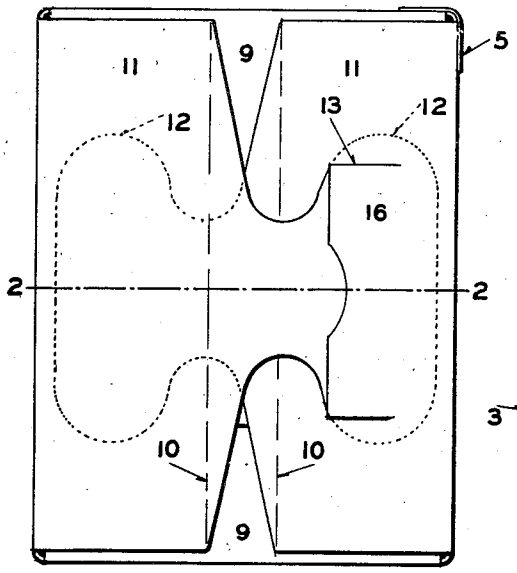


Fig.2.

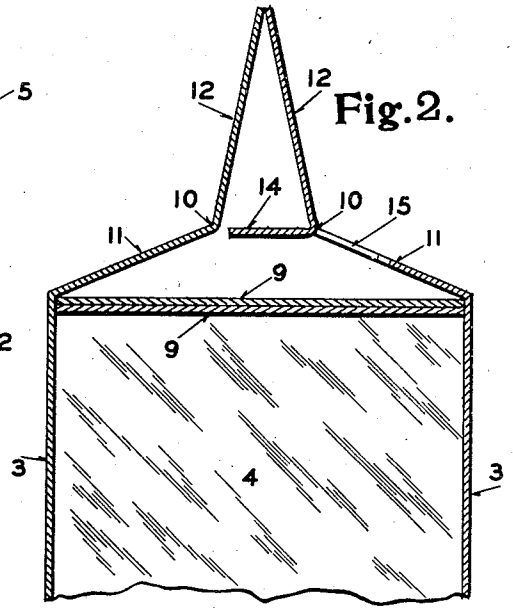
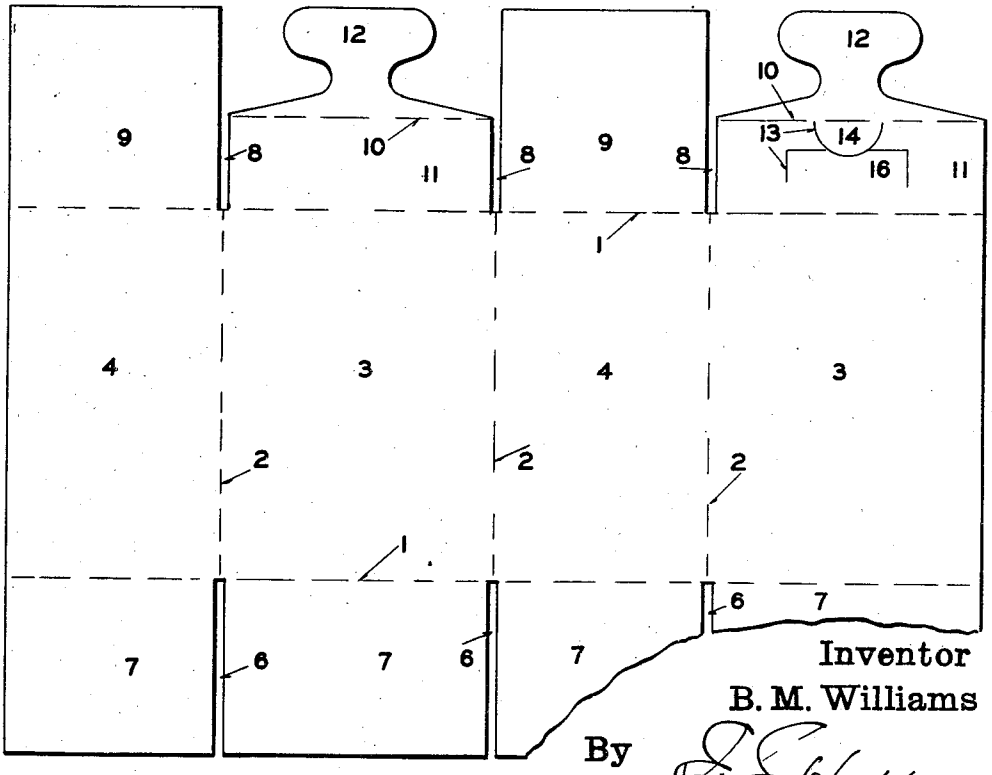


Fig.3.



Inventor

B. M. Williams

By E. E. Huffman

Att'y.

Patented June 20, 1933

1,914,547

UNITED STATES PATENT OFFICE

BENJAMIN M. WILLIAMS, OF ATLANTA, GEORGIA, ASSIGNOR TO ROBERT GAYLORD, INCORPORATED, OF ST. LOUIS, MISSOURI, A CORPORATION OF MISSOURI

PAPER RECEPTACLE

Application filed November 18, 1932. Serial No. 643,129.

My invention relates to a paper receptacle for the transportation and storage of merchandise of various kinds. Containers made in accordance with my invention are particularly adapted for packing articles which are relatively heavy in proportion to their bulk or articles of a fragile nature.

The object of my invention is to provide a paper box or carton with closure means which will provide both interlocking sealing means and with a convenient handle by means of which the package may be carried.

In the accompanying drawing, which illustrates one form of receptacle made in accordance with my invention, Figure 1 is a top plan view, the sealing means being shown in closed position; Figure 2 is a section taken on the line 2—2 of Figure 1, the parts being positioned to form a handle; and Figure 3 is a plan, on a reduced scale, of the blank from which the container is formed.

The container is formed from a single rectangular sheet of fiberboard or similar material stamped out as shown in Figure 3. This blank is provided with horizontal bending creases 1 and vertical creases 2 producing a pair of side panels 3 and a pair of end panels 4. The free edges of the panels are secured together, to form a tubular structure, by any suitable means such as a strip of gummed tape 5 (Figure 1). The portion of the blank below the lower crease 1 is divided by slots 6 to provide sealing flaps 7 which are bent over at right angles to the panels and secured in any manner, such as stapling or gluing, to form the bottom of the receptacle.

The portion of the blank above the upper crease 1 is divided by slots 8 into four sealing flaps for forming the top of the container. One pair 9 of these flaps, preferably those connected to the end panels 4, are rectangular in form and are of sufficient length to overlap and form the inner part of the container top. The other pair are each divided by a bending crease 10 into a rectangular portion 11 and a T-shaped handle portion 12. The portion 11 of one of the flaps has formed therein slits 13 to form a semicircular tab 14, which, when bent out as shown in Figure 2, provides a finger hole 15, and a rectangular tab 16 for engagement with the T-shaped handle of the opposite flap, as shown in Figure 1. The slits forming the tabs 14 and 16 intersect each other, as shown, so that when the tab 14 is depressed, the end of the finger may be inserted below the tab 16 to slightly raise it to permit of the easy insertion of the handle portion.

When the container is shipped or stored, the upper pair of sealing flaps are held in interlocking engagement by the insertion of one of the handle portions below the tab 16, as shown in Figure 1. When the container is to be carried the handle portion 12 is disengaged from the slit 13 and the two outer flaps 11 are bent along the crease lines 10 to bring the handle portion 12 into approximately parallel position, as shown in Figure 2. The tab 14 is bent inwardly, as shown in this figure. The middle finger may then be inserted through the opening 15, the first finger encircling one end of the handle formed by the two T-shaped parts, and the third and fourth fingers encircling the other end thereof. The turned-over tab 14 rests upon the middle finger, which carries the major portion of the weight, thus avoiding the contact of a sharp edge of the fiberboard with the finger.

It will be seen that my construction not only provides sealing means for the container, but at the same time provides a strong and comfortable handle for carrying the package.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent of the United States is:

1. A paper receptacle comprising a body having at its upper end a pair of opposing flaps each provided with a T-shaped handle portion, and bending creases at the junctions of the flaps and handle portions.

2. A paper receptacle comprising a body having at its upper end a pair of opposing flaps each provided with a T-shaped handle portion, bending creases at the junctions of the flaps and handle portions, and a finger opening in one of the flaps adjacent the bending crease.

3. A paper receptacle comprising a body

having at its upper end a pair of opposing flaps each provided with a T-shaped handle portion, bending creases at the junctions of the flaps and handle portions, a finger opening in one of the flaps adjacent the bending crease, and a slit in one of the flaps for engaging with the handle portion of the other flap to lock the receptacle.

In testimony whereof, I hereunto affix my signature, this the 12th day of November, 1932.

BENJAMIN M. WILLIAMS.