H. B. WALTER.

BOX.

APPLICATION FILED MAR. 29, 1911.

1,121,426.

Patented Dec. 15, 1914.

2 SHEETS—SHEET 1.

Fig. 1.

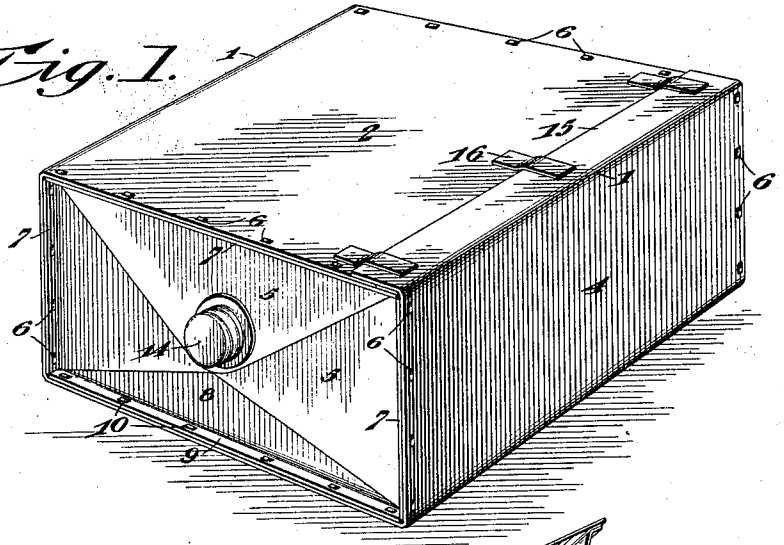
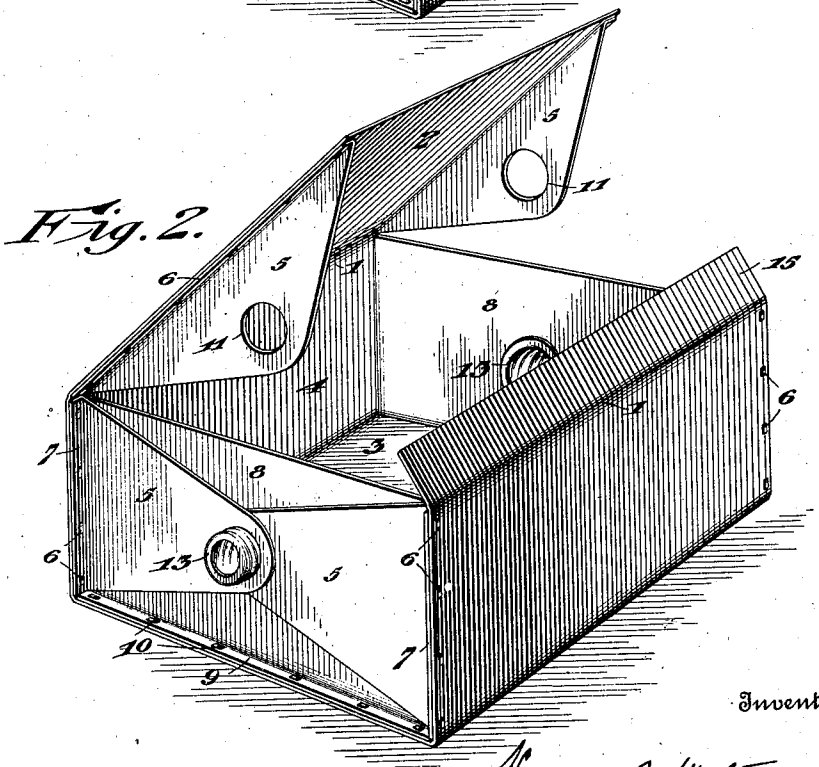


Fig. 2.



Witnesses

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2 SHEETS—SHEET 2.

Fig. 3.

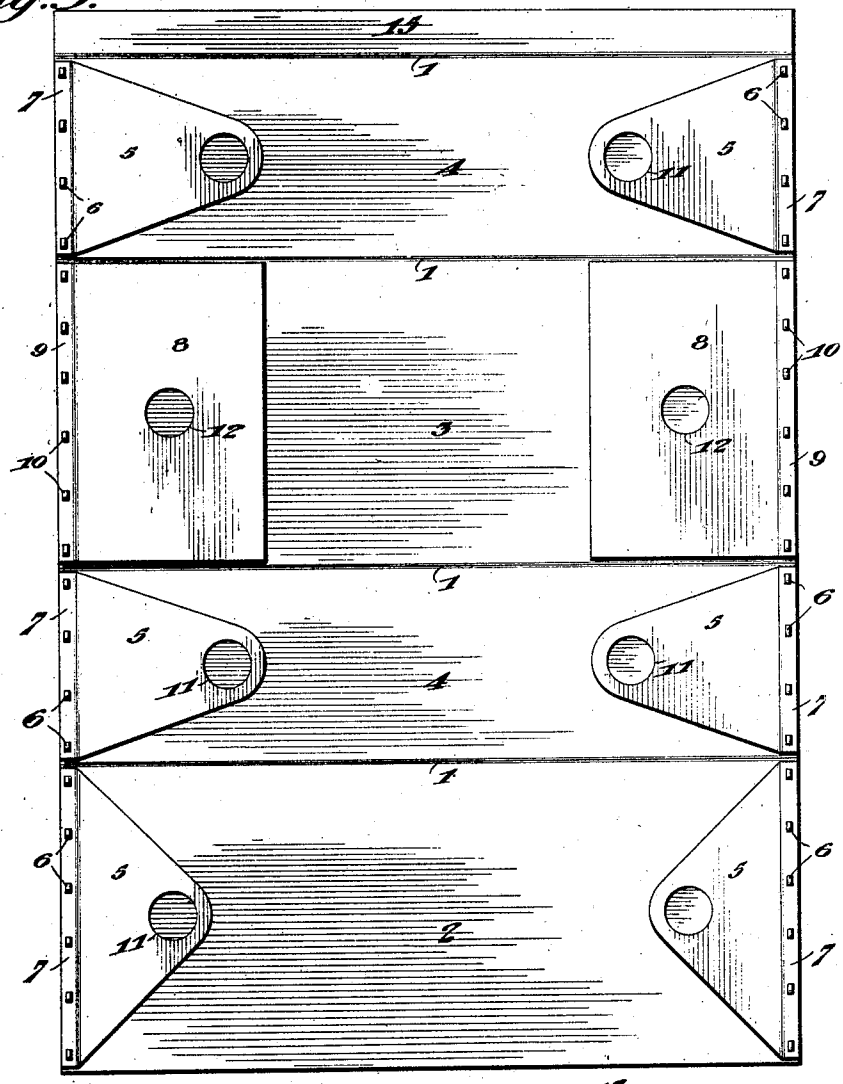
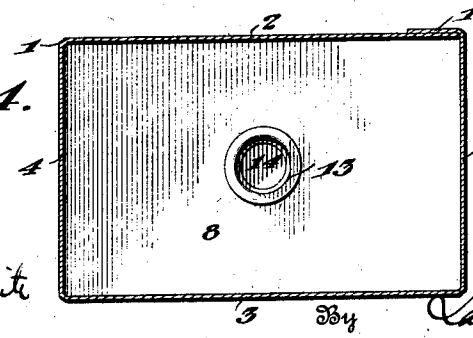


Fig. 4.



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UNITED STATES PATENT OFFICE.

HARRISON B. WALTER, OF DANVILLE, ILLINOIS, ASSIGNOR TO NATIONAL FIBRE BOX COMPANY, OF DANVILLE, ILLINOIS, A CORPORATION OF ILLINOIS.

BOX.

1,121,426. Specification of Letters Patent. Patented Dec. 15, 1914.

Application filed March 29, 1911. Serial No. 617,606.

To all whom it may concern:

Be it known that I, HARRISON B. WALTER, a citizen of the United States, residing at Danville, in the county of Vermilion and State of Illinois, have invented certain new and useful Improvements in Boxes, of which the following is a specification.

My invention relates to an improvement in collapsible boxes, and relates to that character of box which is constructed from a single piece of material.

The object is to provide end flaps for the bottom, top, and ends of the box, which are connected together by a removable fastening so that the parts can all be folded upon one another, and the box folded into a small compass.

The invention consists in certain other novel features of construction and combinations of parts which will be hereinafter described and pointed out in the claims.

In the accompanying drawings:—Figure 1 is a view in perspective showing the box when closed, Fig. 2 is a perspective view of the box showing the cover open or in raised position, Fig. 3 is a top plan view showing the box being folded into position, and Fig. 4 is a transverse sectional view.

The box is preferably made of paper or straw-board mat which is creased at intervals as at 1, 1, for forming the cover 2, bottom 3, and sides 4. The cover and sides are provided with flaps 5, 5, which taper to a point at their outer ends and are fastened to the box by means of staple 6, the inner ends of the flaps being bent at an angle for forming a flange 7 through which the staples are passed, and fastening the flaps to the body of the box. Connected to the bottom are the solid flaps 8, which are of a length equal to the width of the bottom, so that when brought to a vertical or upright position, they will be received snugly against the sides 4. The flaps 8 are provided with flanges 9, through which extend staples 10 for fastening the flaps to the bottom 3; by providing a solid end flap 8, the box can be packed with goods in bulk, or loose goods. The other flaps 5 are tapered so that when the box is folded together, there will be no interference with the edges or walls of the other parts of the box, and this allows for the easy and simple assemblage of the box. Openings 11 are formed through the ends of each flap 5, while openings 12 are formed through the central portion of the flaps 8. A hollow screw-plug 13 is received through an opening in each of the flaps 8, and passes through flaps 5 of the sides 4, and after the box is folded, the cover is lowered, and the flaps of the cover are mounted upon the hollow plug when the screw-caps 14 are screwed upon the plugs, thereby fastening all of the flaps together. A flange 15 formed on one of the sides 4 is passed over the cover 2, after it has been lowered, and is glued thereto, or fastened by glued strips 16.

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

1. A collapsible box comprising a top, bottom, and sides formed from a single piece of material and adapted to be folded into shape, flaps connected to the bottom which are of a length equal to the width of the bottom and of a height equal to the width of the sides for forming a complete closure for the ends of the box, end flaps connected to the sides, means connected to the bottom flaps to which the end flaps are connected for holding the sides in a vertical position, and flaps connected to the cover adapted to engage said means when the cover is brought to a position for closing the box, whereby the cover may be held closed.

2. A collapsible box comprising a top, bottom and sides formed from a single piece of material, sides adapted to be bent to an upright position with respect to the bottom, flaps connected to the bottom adapted to be swung to a position for engaging the sides and completely closing the ends of the box, and having an opening therein, end flaps connected to the sides provided with openings, which flaps are adapted to register with the opening in the bottom flaps, means passing through said flaps for connecting them together for holding the sides and bot-

tom flap in an upright position, a cover adapted to be swung from one of the sides for closing the box, and flaps connected to the cover having openings through which said means extend for fastening the cover in a closed position.

In testimony whereof I affix my signature, in the presence of two witnesses.

HARRISON B. WALTER.

Witnesses:

CLARIBEL BULLOCK,

JOS. W. MERTZLER.