

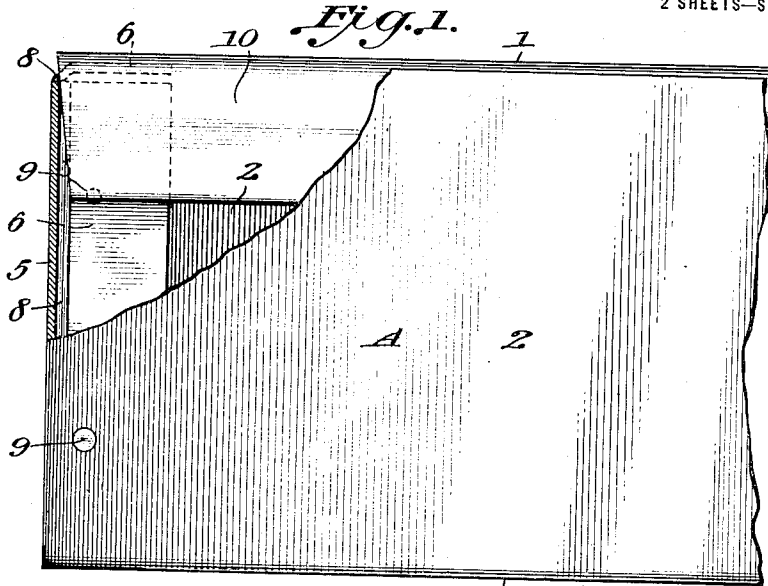
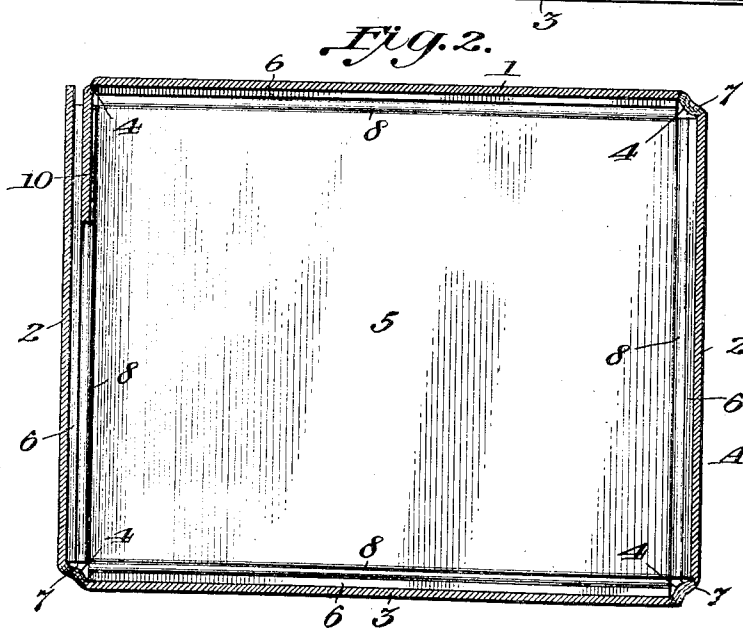
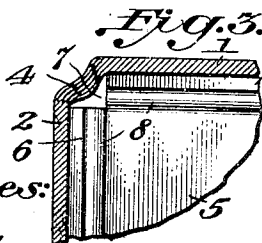
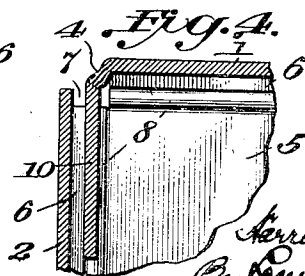
H. B. WALTER.
BOX.

APPLICATION FILED FEB. 21, 1914.

1,198,293.

Patented Sept. 12, 1916.

2 SHEETS—SHEET 1.



Witnesses:

Ruth B. King
A. Hammond

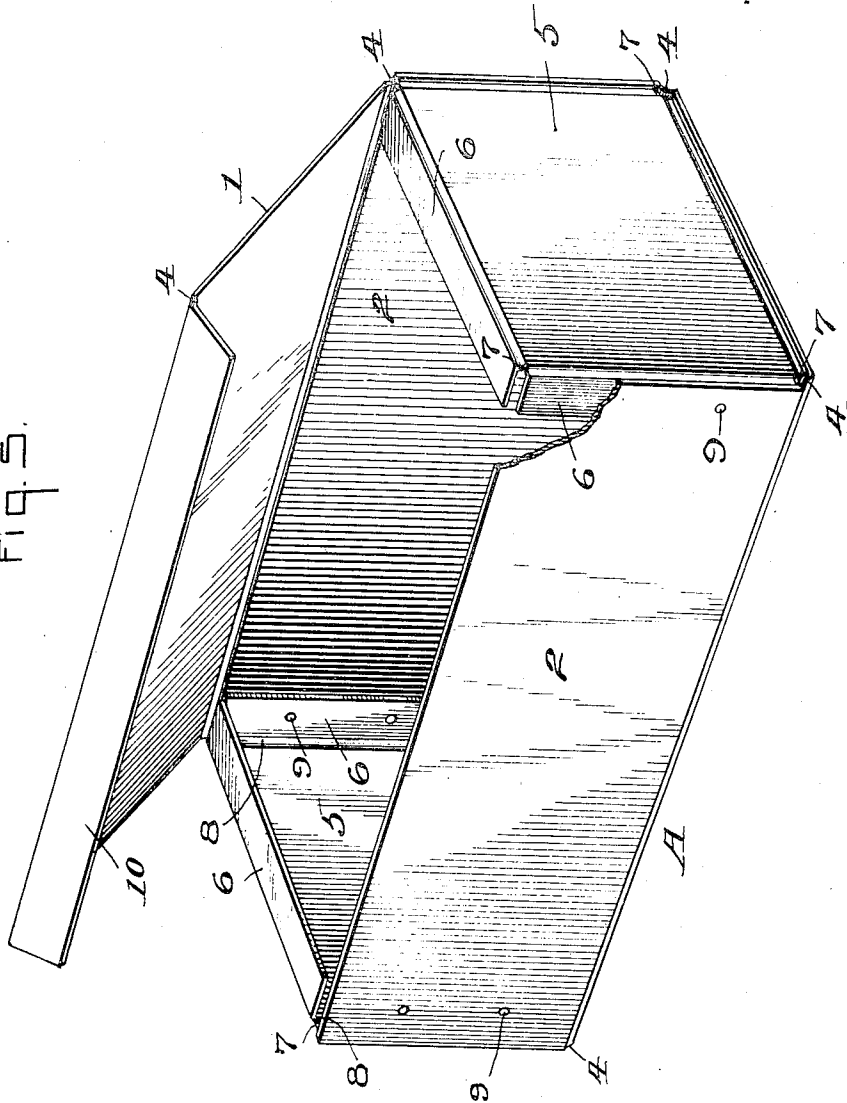
Inventor:

Harrison B. Walter
By Louis B. Ruggie
Attys.

BOX.

Patented Sept. 12, 1916.
2 SHEETS—SHEET 2.

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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.

1,198,293.

Specification of Letters Patent.

Patented Sept. 12, 1916.

Application filed February 21, 1914. Serial No. 820,251.

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 boxes, and particularly to that class known as a top loader, wherein the sides and bottom of the box are fastened to the ends, and the cover is capable of being fastened in position after the box has been filled.

The invention relates to still other novel features of construction and combinations of parts which will be hereinafter described and pointed out in the claim.

In the accompanying drawings: Figure 1 is a side view of a box bent into shape partly broken away to show the interior of the box. Fig. 2 is a cross sectional view showing one of the heads in position. Fig. 3 is an enlarged detail view of one corner of the box showing the head applied and indicating the clearance at the corner of the head or end to receive the internal rib panel corner of the box; and Fig. 4 is an enlarged detail view of one corner of a head showing the position of the two edge flanges with respect to each other. Fig. 5 is a perspective view of the box showing the lid lifted.

A represents the body of the box, which is provided with a cover 1, sides 2, and bottom 3.

The body is creased or scored at the corners, forming ribs 4, 4, which extend inwardly or toward the interior of the box. The creasing of the box at four predetermined points for forming the corners allows the box to be readily assembled into position, as indicated in Fig. 1.

The ends or heads 5 are provided with flanges 6, 6. The flanges are separated from each other by the formation of notches 7 at the corners of the heads. The flanges are adapted to be bent at right angles to the main portion of the heads so that a bead or rib 8 is formed. This bead extends inwardly and tends to force the flanges outwardly toward the sides, bottom and cover of the box.

After the sides and bottom have been

bent into shape, the heads are placed between the sides and bottom, and the flanges are connected to the sides and bottom by means of staples or rivets 9, 9. The beads 8 prevent the edges of the flanges 6 from coming together and thereby form an opening or space between the adjacent ends of the flanges, so that the ribs 4 at the corners of the box will be received in the space formed between the ends of the flanges 6, and permit the sides, ends and cover to be folded at right angles with respect to the main portion.

The beads 8 are formed preferably by creasing or scoring the flanges 6 and folding the flanges 6 along the lower edge of the scoring and causing the flanges to project inwardly whereby the adjacent ends of the beads 8 of the different flanges 6 will come together causing the edges or ends of the flanges to be held apart for forming a clearance for the ribs 4 of the box, (see Fig. 3) and at the same time preventing the flanges 6 from being bent inwardly and toward the ends or heads 5, but instead causing the flanges to be held in an outward direction, whereby they will come into closer contact with the walls 2 of the box and form a support for holding the walls or sides in their proper position during the filling of the box; that is, if the flanges were capable of being moved toward the main portion of the heads or ends, the sides would tend to fall inwardly, which is one of the objections which is overcome by this invention.

After the box has been filled, the cover is swung or moved into position so that it engages the uppermost flanges 6 of the heads and rests thereon.

A flap 10 formed in the front edge of the cover is adapted to be received between the ends of the uppermost flanges 6 and the flanges 6 connected to one of the sides 2 of the box, as shown in Figs. 1 and 4, whereby a frictional engagement is produced between the vertical flanges and the uppermost flanges and the ends of the uppermost flanges for fastening the cover in a closed position upon the box.

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

A box comprising a body having sides,

bottom cover and cover flap formed from a single piece of material, heads provided with flanges, means for connecting the flanges to the sides and bottom, said cover flap adapted to be received between the sides of two flanges and the ends of two adjacent flanges whereby a frictional engagement is produced between the flanges

and cover for fastening the cover in position.

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

HARRISON B. WALTER.

Witnesses:

JOS. W. MEITZLER,
CLARIBEL BULLOCK.