

W. A. LOFLAND.
BOX.
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1,061,619.

Patented May 13, 1913.

Fig. 1.

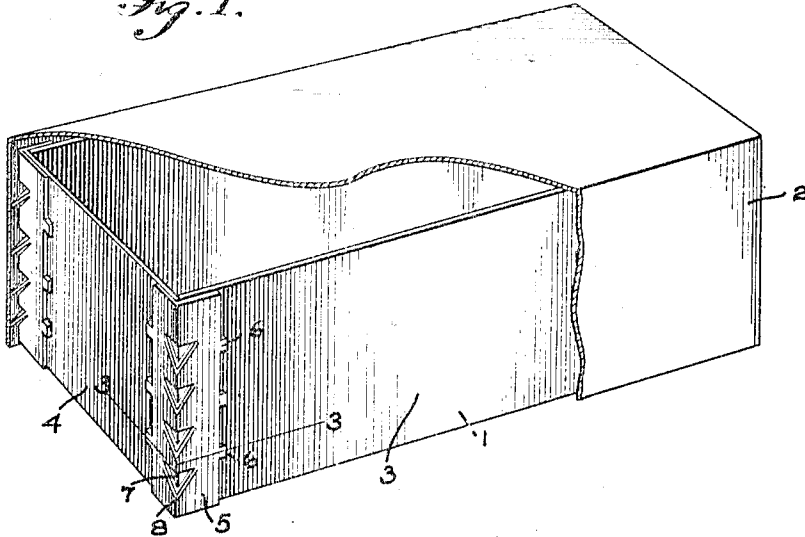


Fig. 2.

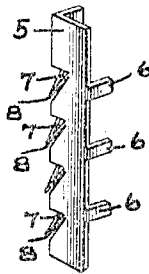


Fig. 4.

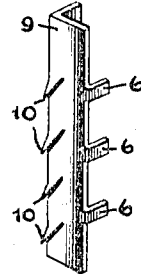
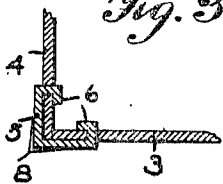


Fig. 3.



Witnesses
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WILLIAM A. LOFLAND, OF CAMDEN, NEW JERSEY.

BOX.

1,061,619.

Specification of Letters Patent.

Patented May 13, 1913.

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To all whom it may concern:

Be it known that I, WILLIAM A. LOFLAND, a citizen of the United States, residing at Camden, in the county of Camden and State of New Jersey, have invented certain new and useful Improvements in Boxes, of which the following is a specification.

My invention relates to improvements in boxes, and more particularly to an improved corner piece designed for paper boxes which performs the double function of securing the sides and ends at an angle to each other, and sealing or holding the cover on the box, so that it cannot be removed without detection.

A further object is to provide an improved corner piece which may be stamped out of sheet metal and readily secured to the sides and ends of the box, and provided with downwardly inclining sharp spurs or teeth which permit the cover to be readily positioned on the box, yet bite into the cover and prevent its removal without tearing the cover.

With these and other objects in view, the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described and pointed out in the claims.

In the accompanying drawings: Figure 1 is a perspective view with the cover partly broken away illustrating my improvements. Fig. 2, is a perspective of one of the corner pieces. Fig. 3, is a view in section on the line 3-3 of Fig. 1, and Fig. 4, is a view similar to Fig. 2, illustrating a modification.

1, represents the box, and 2 the cover. The box and cover are preferably of paper and of general rectangular form, the cover fitting the box and adapted to be slid thereon. The sides 3 and ends 4 of the box are connected by my improved corner pieces 5. The corner pieces 5 are composed of sheet metal bent longitudinally at right angles forming an angle bar to receive the sides 3 and ends 4, and hold them at right angles to each other. At the side edges of the corner pieces 5, integral lugs 6 are provided, and are forced through the sides 3 and ends 4, and bent back against the inner faces of the sides and ends, securely holding the corner pieces thereto and rigidly holding the box in rectangular formation. The angle of each corner piece is cut away at regular intervals forming triangular openings 7, and

the metal below said openings is slit parallel with the walls of said triangular openings forming V-shaped spurs or prongs 8 which are bent outwardly beyond the normal plane of the end piece. By reference particularly to Fig. 1, it will be seen that these spurs project at such an angle that they permit the cover to be readily slid onto the box. Any attempt, however, to move the cover off the box will cause the spurs to engage the cover and effectually prevent its removal without tearing or disfiguring the cover. My improved end pieces therefore, perform the double function of rigidly holding the box in rectangular formation and securing the cover in place, preventing its removal by unauthorized persons without detection. My improved arrangement of spur which is formed by the triangular cutting and slitting, will most effectually bite into the cover when any attempt is made to remove the cover, yet the cover may be easily slid onto the box without any interference on the part of the spurs.

In the modified form shown in Fig. 4, the openings 7 are dispensed with and the angle 9 is formed with spurs 10 cut in the angle by diagonal lines and forced outwardly.

Various slight changes might be made in the general form and arrangement of parts described without departing from my invention, and hence I do not limit myself to the precise details set forth, but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the appended claims.

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

1. A corner piece for boxes comprising a blank bent at right angles and adapted to be secured to the box, and downwardly and outwardly projecting spurs formed at the angle of said corner piece, substantially as described.

2. A corner piece for boxes, comprising an angle, triangular openings cut in said angle, spurs projected outwardly from said angle at the triangular openings, and means for securing the corner pieces to the box, substantially as described.

3. In combination with a box and a cover, four corner pieces composed of metal, lugs on said corner pieces projected through the sides and ends of the box, and bent against the box, and spurs formed at the angles of

said corner pieces and projecting downwardly and outwardly, substantially as described.

4. In combination with a rectangular box, and a cover, four corner pieces secured to the outside of the angles of the box and of approximately the same depth as the box, said angles composed of sheet metal, integral lugs at the edges of the angles projected through the box and upset at their inner ends, said angles having a plurality of downwardly and outwardly projecting spurs

located at the corners of the box, whereby said spurs are adapted to embed themselves in the angle of the cover when the cover is moved to open, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM A. LOFLAND.

Witnesses:

R. H. KRENKEL,
CHAS. E. POTTS.