No. 757,827. PATENTED APR. 19, 1904.

M. F. MIDDLETON.

BOX.

APPLICATION FILED JULY 15, 1903.

NO MODEL.

FIG. 1.

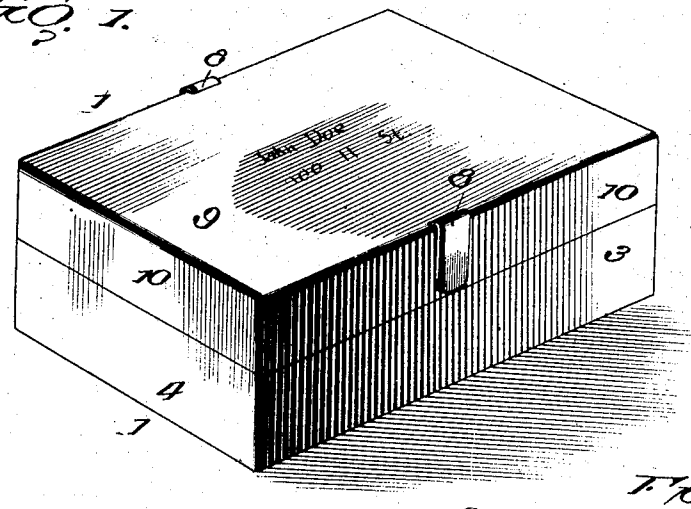


FIG. 2.

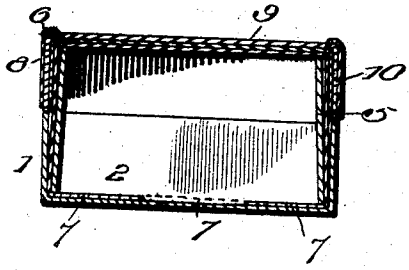


FIG. 3.

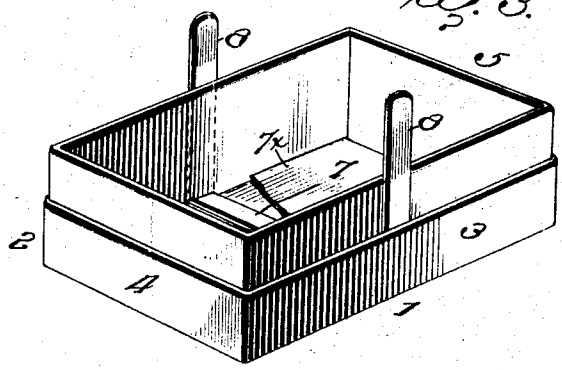


FIG. 4.

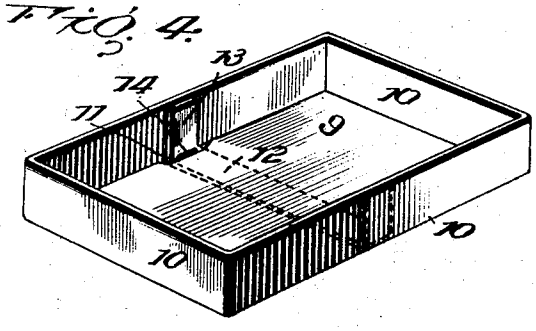
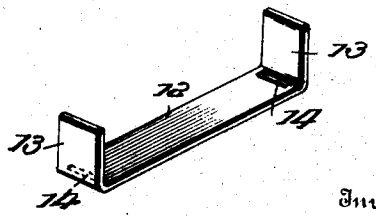


FIG. 5.



Witnesses
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No. 757,827.

Patented April 19, 1904.

UNITED STATES PATENT OFFICE.

MELBOURNE F. MIDDLETON, OF CAMDEN, NEW JERSEY.

BOX.

SPECIFICATION forming part of Letters Patent No. 757,827, dated April 19, 1904.

Application filed July 15, 1903. Serial No. 165,577. (No model.)

To all whom it may concern:

Be it known that I, MELBOURNE F. MIDDLETON, a citizen of the United States of America, and a resident of Camden, in the county of Camden, State of New Jersey, have invented certain new and useful Improvements in Boxes, of which the following is a specification.

This invention relates to certain new and useful improvements in boxes or other receptacles made of paper, wood, or other material of that class in which provision is made for securely fastening the parcel so that the fastening devices will not be in the way or interfere with the addressing of the same or interfere with the post-office stamp, a bendable strip or strips being employed affixed within the box and adapted to pass upward through a slot or slots in the cover and then bent down upon the outside of the depending portion or flange of the cover.

The present invention has for its objects, among others, to improve upon this class of devices and provide a reinforce for the slot or slots through which the strip or strips extend and at the same time to provide an improved form of fastening means and manner of attaching or affixing the same within the box.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be specifically defined by the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the numerals of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a perspective view of a box provided with my improvements, the same being shown with the cover in position and secured by the fastening devices. Fig. 2 is a vertical cross-section through the same. Fig. 3 is a perspective view of the body portion of the box. Fig. 4 is an inverted perspective view of the cover removed. Fig. 5 is a perspective view of the reinforce-strip for the cover removed.

Like numerals of reference indicate like parts throughout the several views.

Referring now to the details of the drawings, 1 designates the body of the box, which may be of any suitable material, shape, or size and adapted for mailing or other purposes. This body consists of the lower portion 2, which comprises the bottom, and the four vertical sides and ends 3 and 4, and within this lower portion is the portion 5, which comprises the four sides and ends, without bottom, fitted snugly within the lower portion, with the lower edges of the sides and ends resting upon the upper surface of the bottom of the box and secured in any way.

6 is a strip of bendable material, such as sheet metal or wire or the like, having the cross portion 7, lying upon the upper face of the bottom of the box, and vertical portions 8, which are interposed between the adjacent faces of the sides of the lower portion 2 and the inner portion 5, whereby the strip is firmly held in place. The vertical portions of the metal fastening are of such length as to extend above the upper edges of the sides of the portion 5 and above the cover 9 when the latter is in position and to bend down outward and against the outer faces of the depending flange of the cover, as seen clearly in Fig. 1.

The cover 9 has the depending flange portion 10 and the slits or slots 11, through which the upper ends of the vertical portions 8 of the strip pass, the said ends being rounded or otherwise formed to facilitate their passing through the slots. In order to reinforce the cover at these points, I provide the same with the reinforce-strip 12, which is embedded in the cover—as, for instance, by being inserted between the inner face of its top portion and the lining or otherwise. This strip has its ends bent at right angles to its length, and these ends lie flat against the inner faces of the side portions of the cover, as seen at 13. Slots 14 are formed in this reinforce-strip near the bends, as seen in Figs. 4 and 5, for the passage of the ends of the vertical portions of the strip 6. By this means the vertical portions 8 are prevented from coming in contact with the sides of the cover and the holes or slots in the cover are strengthened and reinforced and all danger of weakening of the cover at these points is obviated.

The mode of operation will be apparent from the foregoing description when taken in connection with the annexed drawings, and a

further description thereof is not deemed necessary.

Modifications in detail may be resorted to without departing from the spirit of the invention or sacrificing any of its advantages. For instance, as seen in Fig. 3, the strip 6 may be disposed either between the bottom of the box and the covering or lining 7× or embedded in the material of which the box is formed. Likewise, as indicated in Fig. 2, the strip may not be continuous, but may be formed of two parts with their ends disposed as shown, the effect being substantially the same. Wire may be employed instead of the flat metal strip. It is also to be understood that the invention is applicable to any and all kinds of boxes whether for mailing or for other uses, such as for candy, jewelry, clothing, cigars, or any other articles.

What I claim as new is—

1. A box-body having a bendable strip confined between the plies thereof, and a separate flanged cover for said box-body having slots for the passage of the ends of said strip, and a reinforce for said slots confined entirely within the flanges of the cover and having right-angled portions parallel with said flanges.

2. A box-body and a bendable strip secured within the same with its ends projecting above the top thereof, combined with a cover for said body having flanges, and a reinforce for said cover secured within the same at the junction of the side flanges and top and having holes for the passage of the ends of the bendable strip, said reinforce being confined between the plies of the top.

3. A box-cover for use with a box having a bendable fastening-strip, the said cover having slots for the passage of the ends of said strip and a reinforce affixed within the cover and confined between the plies thereof with its ends bent at right angles and lying alongside the inner faces of the flange of the cover and having slots coincident with those in the cover.

4. A box-body comprising a lower portion with bottom and sides and ends, a portion fitted therein and having its sides extended above the sides of the lower portion, and a bendable strip extended across the bottom and confined between the plies thereof and having its ends disposed vertically and between the sides of the lower and inner portions of the body.

5. A box-body comprising a lower portion with bottom and sides and ends, a portion fitted therein and having its sides extended above the sides of the lower portion, a bendable strip extended across the bottom within the box and having its ends disposed vertically and between the sides of the lower and inner portions of the body, and a flanged cover provided with slots for the passage of the ends of said strip and with a reinforce confined within the flanges thereof.

6. A box-body comprising a lower portion and an inner portion fitted therein, a bendable strip normally confined within the walls of said body between the upper and lower portions with its ends extended vertically above the upper edge of the body, and a cover having a flange to extend over the vertical portions of the strip and over the side portions of the body and to rest on the upper edge of the lower portion and to be pierced by the ends of the vertical portions of the strip.

Signed by me at Camden, New Jersey, this 13th day of July, 1903.

MELBOURNE F. MIDDLETON.

Witnesses:
T. J. MIDDLETON,
R. K. MARTIN.