Dec. 6, 1949 J. STONE 2,490,557

BOX

Filed Nov. 17, 1944

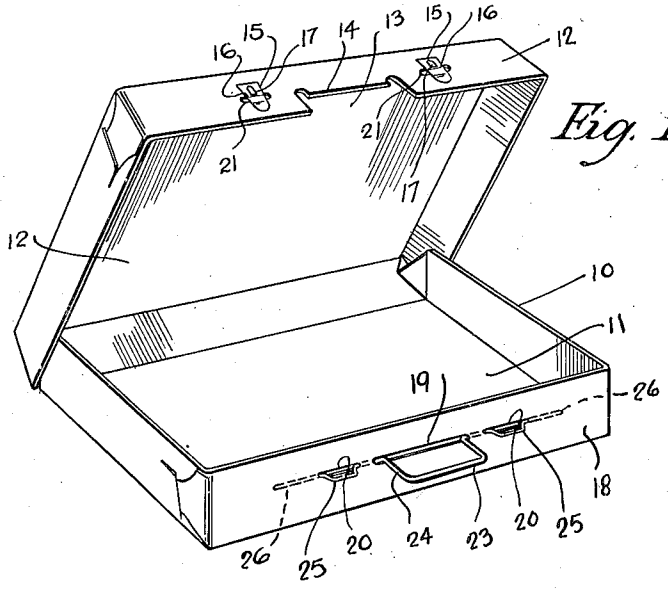


Fig. 1.

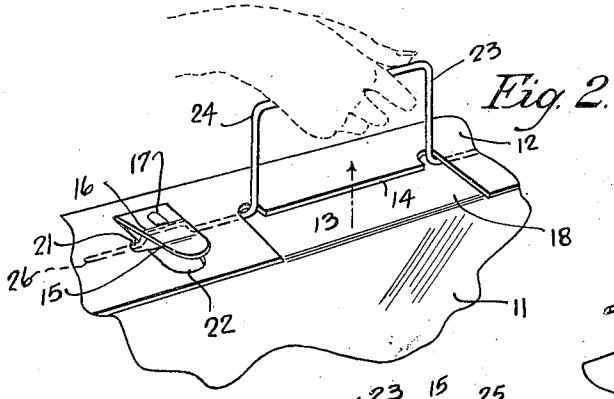


Fig. 2.

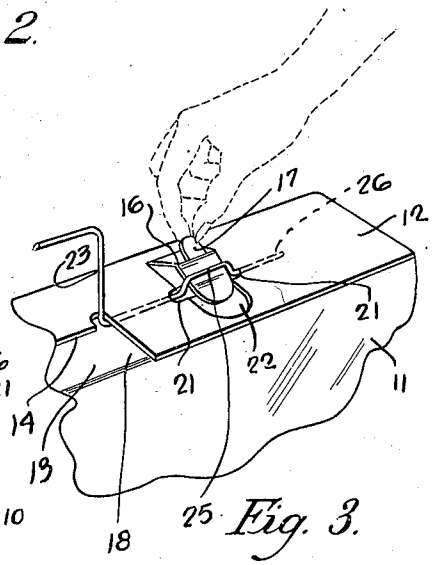


Fig. 3.

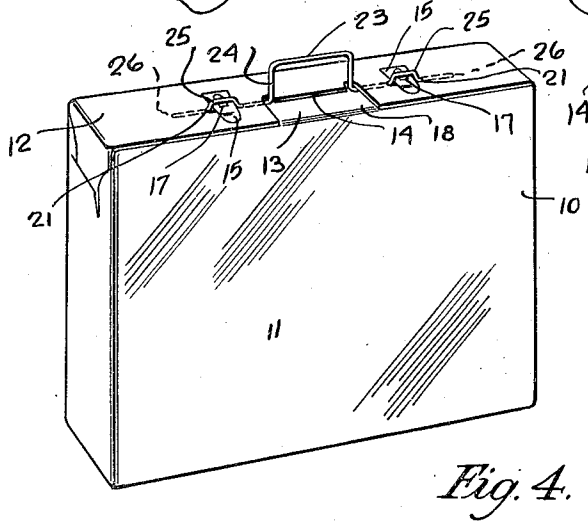


Fig. 4.

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BOX

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10 Claims. (Cl. 229—52)

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This invention relates to new and useful improvements in boxes and more particularly to boxes and cartons preferably made from cardboard or the like adapted for use in packing garments.

The commercial acceptability of boxes of this character in a large measure is dependent upon the speed and convenience by which the box may be assembled to contain the garment or the like. In most fields where such boxes are employed, the boxes are assembled by clerks who know little if anything regarding the construction of the box, and manifestly if it were required of such clerks to study the box construction in order to ascertain the method of assembling the same to confine the garment therein, the clerks soon become careless and eventually discouraged. With this in mind, it is an object of this invention to provide a box of the character more particularly hereinafter described, which may be assembled to confine a garment therein in the most expedient manner, requiring a minimum effort on the part of the clerk.

Yet a further and equally important object of the invention is to provide a handle for the box which cooperates with keeper tabs of the box to latch the box cover and bottom in confined relation with respect to each other by and through a simple and expedient manipulation of the handle while assembling the same with respect to the box.

Other objects will appear more fully hereinafter.

This invention consists in the novel combination and arrangement of parts to be hereinafter described and claimed.

The invention will be best understood by a reference to the accompanying drawing, in which:

Fig. 1 is a perspective view of a box embodying my improvements;

Fig. 2 is a fragmentary perspective view illustrating one step in associating the handle with the box;

Fig. 3 is a fragmentary perspective view illustrating another step in associating the handle with respect to the box; and

Fig. 4 is a perspective view of the box with the handle completely associated therewith.

Referring more particularly to the drawings in which the preferred form of construction of my invention is illustrated and by which the several objects of my invention are accomplished, my improved box is indicated at 10. This box comprises bottom section 11 and top section 12.

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This top section 12 comprises a wall 12' having a recessed portion 13 with a relatively narrow projection 14 projecting into the confines of the recess 13 for reasons hereinafter more fully set forth. On opposite sides of the recess 13 there is struck from the wall 12, keeper tabs 15. These keeper tabs 15 are scored transversely as at 16 for reasons hereinafter set forth, and struck from these keeper tabs are finger tabs 17.

The bottom section 11 has a wall 18, and formed in this wall 18 is an elongated slot 19 adapted to register with the wall 12 beneath the projection 14. On opposite sides of this slot 19 are other slots 20 which are adapted to register with the slots 21 formed in the wall 12 and which open into the openings 22 provided by the struck-out keeper tabs 15. A preformed handle is indicated at 23. This handle comprises a hand grip portion 24 which is adapted to be projected through the slot 19 and, when thus projected and with the bottom section 11 confined in the cover section 12, be prevented from passing downwardly through this slot 19 by virtue of the projection 14 which, as shown in Fig. 2, extends over the slot 19 and closes the same.

On opposite sides of this hand grip portion 24 there are provided loops or raised portions 25 which are adapted to project through the slots 20. When the bottom section 11 is confined in the cover section 12 and the raised portions 25 projected through the slots 20, this projection of these raised portions will engage the keeper tabs 15 and rupture or displace these keeper tabs from the wall 12, in the manner shown in Fig. 2.

When these raised portions 25 are projected through the slots 20 and 21 of the bottom section 11 and the cover section 12, the keeper tabs are adapted to be projected beneath these raised portions, and this is accomplished by grasping the finger tabs 17, slightly buckling the keeper tabs 15 on their score lines 16, in the manner shown in Fig. 3; and then projecting the keeper tabs beneath the raised portions 25. In this position of the keeper tabs with respect to the raised portions 25, the cover and bottom section of the box 10 are securely locked in confined position with respect to each other.

To complete the invention, the handle 23 provides the extended portions 26 which engage beneath the under surface of the wall 18 when the handle is in the position shown in Fig. 3, these extended portions 26 serving in this capacity to reinforce the handle in the function of carrying the box when the hand grips the hand grip portion 24 for such purpose.

To distend the bottom portion 11 from confined position with respect to the cover portion 12, all that is necessary to be done is to remove the keeper tabs from beneath the raised portions 25. This permits the handle to drop down in a position to dispose the hand grip portion 24 upon projection 14, in which position of the handle the bottom section 11 may be moved from confined position with respect to the cover section 12.

In the form of the box shown in the drawings, I have shown the cover section 12 hingedly connected to the bottom section 11. Except in so far as is necessary to the proper functioning of my invention, the box 10 may be of any approved construction now well known in the art.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification without departing from the spirit of the invention. I, therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claims.

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

1. A box of the character herein described comprising a cover section having a wall portion provided with a recess and keeper tabs adjacent to and in spaced relation with respect to the recess, a preformed handle for said box comprising a hand grip portion adapted to be received by the recess and having raised portions on opposite sides of the hand grip portion beneath which the keeper tabs are adapted to be positioned, and a bottom section adapted to be confined in the cover section and having a wall portion provided with a slot for the passage of the hand grip portion and other slots through which the raised portions are adapted to be projected.

2. A box of the character herein described comprising a cover section having a wall portion provided with a recess and keeper tabs adjacent to and in spaced relation with respect to the recess, a preformed handle for said box comprising a hand grip portion adapted to be received by the recess and having raised portions on opposite sides of the hand grip portion beneath which the keeper tabs are adapted to be positioned, and a bottom section adapted to be confined in the cover section and having a wall portion provided with a slot for the passage of the hand grip portion and other slots through which the raised portions are adapted to be projected, said tab portions being scored transversely to permit said tab portions to be buckled during the projection of said tab portions beneath said raised portions of the handle.

3. A box of the character herein described comprising a cover section having a wall portion provided with a recess and keeper tabs adjacent to and in spaced relation with respect to the recess, a preformed handle for said box comprising a hand grip portion adapted to be received by the recess and having raised portions on opposite sides of the hand grip portion beneath which the keeper tabs are adapted to be positioned, and a bottom section adapted to be confined in the cover section and having a wall portion provided with a slot for the passage of the hand grip portion and other slots through which the raised portions are adapted to be projected, said tab portions being scored transversely to permit said tab portions to be buckled during the projection of said tab portions beneath said raised portions of the handle, and said tab portions being provided with finger gripping tabs to facilitate insertion and withdrawal of said tabs beneath said raised portions of said handle.

4. A box of the character herein described comprising a cover section having a wall portion provided with a recess and keeper tabs adjacent to and in spaced relation with respect to the recess, a preformed handle for said box comprising a hand grip portion adapted to be received by the recess and having raised portions on opposite sides of the hand grip portion beneath which the keeper tabs are adapted to be positioned, and a bottom section adapted to be confined in the cover section and having a wall portion provided with a slot for the passage of the hand grip portion and other slots through which the raised portions are adapted to be projected, and said tabs being provided with finger gripping tab portions to facilitate insertion and withdrawal of said tabs beneath said raised portions of said handle.

5. A box of the character herein described comprising a cover section having a wall portion provided with a recess and keeper tabs adjacent to and in spaced relation with respect to the recess, a preformed handle for said box comprising a hand grip portion adapted to be received by the recess and having raised portions on opposite sides of the hand grip portion beneath which the keeper tabs are adapted to be positioned, and a bottom section adapted to be confined in the cover section and having a wall portion provided with a slot for the passage of the hand grip portion and other slots through which the raised portions are adapted to be projected, said handle having extended portions on opposite sides of said hand grip portion and said extended portions being adapted to engage beneath the wall of said bottom section with the raised portions projected through said other slots.

6. A box of the character herein described comprising a cover section having a wall portion provided with a recess and keeper tabs adjacent to and in spaced relation with respect to the recess, a preformed handle for said box comprising a hand grip portion adapted to be received by the recess and having raised portions on opposite sides of the hand grip portion beneath which the keeper tabs are adapted to be positioned, and a bottom section adapted to be confined in the cover section and having a wall portion provided with a slot for the passage of the hand grip portion and other slots through which the raised portions are adapted to be projected, said tabs being scored transversely to permit said tabs to be buckled during the projection of said tabs beneath said raised portions of the handle, said handle having extended portions on opposite sides of said hand grip portion and said extended portions being adapted to engage beneath the wall of said bottom section with the raised portions projected through said other slots.

7. A box of the character herein described comprising a cover section having a wall portion provided with a recess and keeper tabs adjacent to and in spaced relation with respect to the recess, a preformed handle for said box comprising a hand grip portion adapted to be received by the recess and having raised portions on opposite sides of the hand grip portion beneath which the keeper tabs are adapted to be positioned, and a bottom section adapted to be confined in the cover section and having a wall portion provided with a slot for the passage of the hand grip por-

tion and other slots through which the raised portions are adapted to be projected, said tabs being provided with finger gripping tab portions to facilitate the insertion and withdrawal of said tab portions beneath said raised portions of said handle, said handle having extended portions on opposite sides of said hand grip portion and said extended portions being adapted to engage beneath the wall of said bottom section with the raised portions projected through said other slots.

8. A box of the character herein described comprising a cover section having a wall portion provided with a recess and keeper tabs adjacent to and in spaced relation with respect to the recess, a preformed handle for said box comprising a hand grip portion adapted to be received by the recess and having raised portions on opposite sides of the hand grip portion beneath which the keeper tabs are adapted to be positioned, and a bottom section adapted to be confined in the cover section and having a wall portion provided with a slot for the passage of the hand grip portion and other slots through which the raised portions are adapted to be projected, said tabs being scored transversely to permit said tabs to be buckled during the projection of said tabs beneath said raised portions of the handle, and said tabs being provided with finger gripping tab portions to facilitate insertion and withdrawal of said tabs beneath said raised portions of said handle, said handle having extended portions on opposite sides of said hand grip portion and said extended portions being adapted to engage beneath the wall of said bottom section with the raised portions projected through said other slots.

9. A box comprising a cover section having a wall provided with a recess and keeper tabs struck from said wall on each side of said recess and normally positioned flush with the surface of said wall, a preformed handle comprising a hand grip portion adapted to be received by the recess and having raised portions on opposite sides of the hand grip portion beneath which the keeper tabs are adapted to be positioned, a bottom section adapted to be confined in the cover section and having a wall provided with a slot communicating with the recess for the passage of the hand grip portion and other slots beneath the keeper tabs and through which the raised portions are adapted to be projected, said handle having extended portions adapted to engage the under surface of the wall of said bottom section, and said raised portions being adapted to rupture said keeper tabs from the wall of said cover section when said raised portions are projected through said other slots, said keeper tabs when disposed beneath said raised portions serving to latch the cover and bottom sections in confined relation with respect to each other.

10. A box comprising a cover section having a wall provided with a recess and keeper tabs struck from said wall on each side of said recess and normally positioned flush with the surface of said wall, a preformed handle comprising a hand grip portion adapted to be received by the recess and having raised portions on opposite sides of the hand grip portion beneath which the keeper tabs are adapted to be positioned, a bottom section adapted to be confined in the cover section and having a wall provided with a slot communicating with the recess for the passage of the hand grip portion and other slots beneath the keeper tabs and through which the raised portions are adapted to be projected, said handle having extended portions adapted to engage the under surface of the wall of said bottom section, and said raised portions being adapted to rupture said keeper tabs from the wall of said cover section when said raised portions are projected through said other slots, and means provided by said keeper tabs to facilitate projecting said keeper tabs beneath said raised portions, said keeper tabs when disposed beneath said raised portions serving to latch the cover and bottom sections in confined relation with respect to each other.

JEROME STONE.

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