April 26, 1927. 1,626,381

W. H. BATTS

SHIPPING BOX FOR CLOTHING

Filed March 22, 1926 2 Sheets-Sheet 1

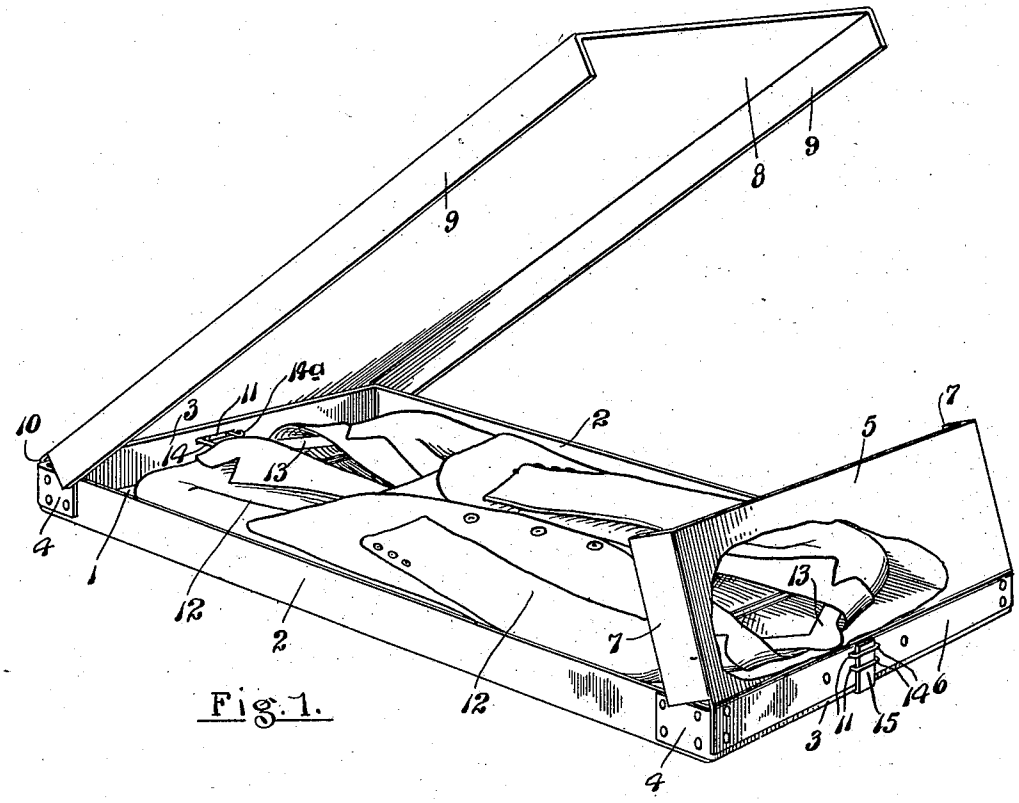


Fig. 1.

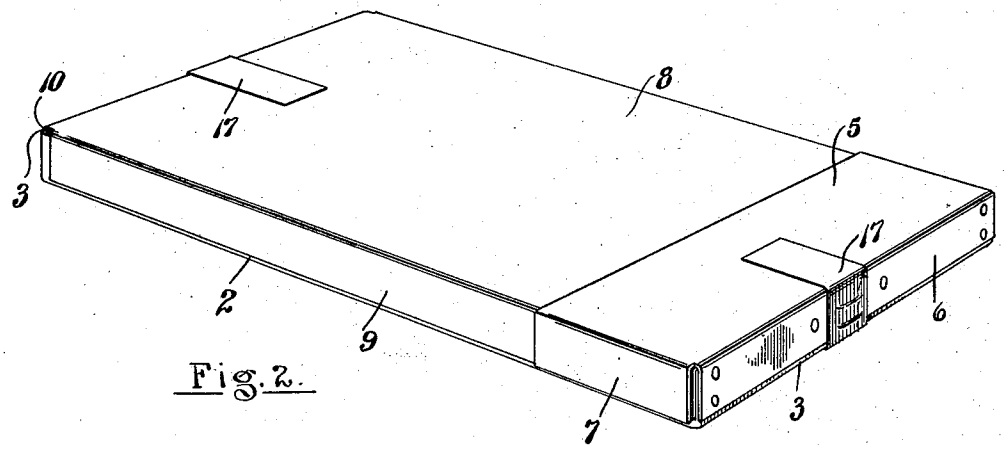


Fig. 2.

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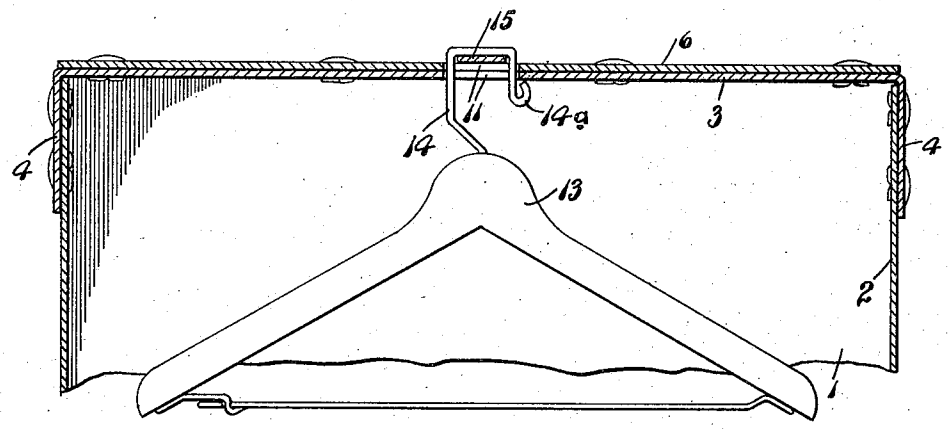


Fig. 3.

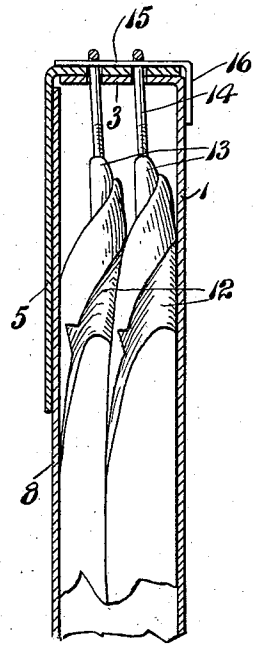


Fig. 4.

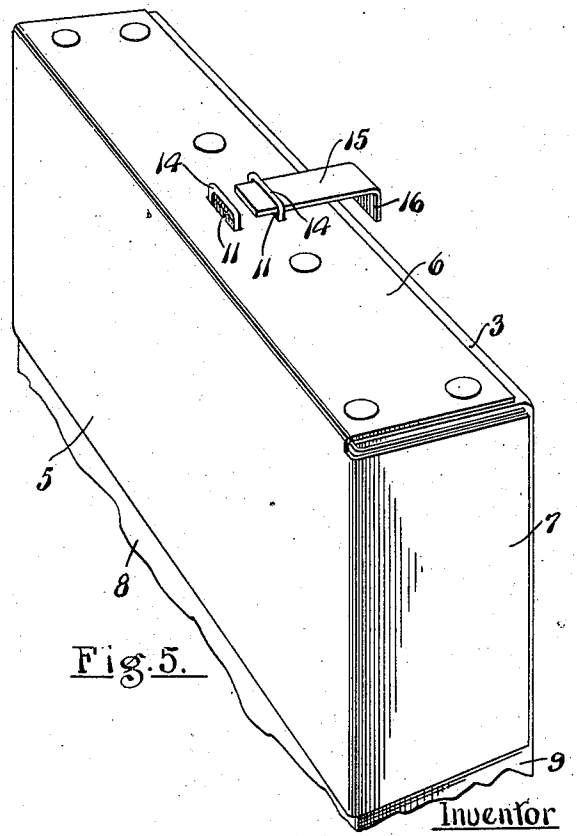


Fig. 5.

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UNITED STATES PATENT OFFICE.

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SHIPPING BOX FOR CLOTHING.

Application filed March 22, 1926. Serial No. 96,387.

This invention relates to a shipping box which is particularly adapted for shipping clothing. It is a primary object and purpose of the present invention to make a simple constructed, strong and durable shipping box in which suits of clothes may be packed, the same being hung on hangers, preferably from opposite ends of the box, though the invention is in no sense limited to locating hangers for clothing with suits of clothes thereon at both ends of the box. A further object of the invention is to make such box of paper stock, preferably, so that it is light in weight and is comparatively inexpensive to produce.

A still further object of the invention is to provide a novel construction of box which while particularly adapted for the holding and shipment of clothing is also useful in other relations and has a more or less general utility not restricted to the one use. These and various other objects and purposes together with novel constructive details for attaining the ends stated will be apparent as understanding of the invention is had from the following description taken in connection with the accompanying drawings, in which—

Fig. 1 is a perspective view showing the box in partly open position and illustrating the same holding suits of clothes.

Fig. 2 is a perspective view showing the box sealed for shipment.

Fig. 3 is a fragmentary enlarged section through one end of the box showing the method of securing the hangers for the clothing.

Fig. 4 is a fragmentary vertical section through the upper end of the box in a plane at right angles to the plane of the section shown in Fig. 3, and

Fig. 5 is a fragmentary enlarged perspective view of one end of the box showing the supporting and retaining member which is used to engage with the garment hanger hooks.

Like reference characters refer to like parts in the different figures of the drawings.

In the construction of the shipping box a body may be provided having a bottom 1, vertical sides 2 and ends 3, each of the ends being formed with flaps 4 at its ends which are bent around into engagement with the sides 2 and are secured thereto by suitable fastenings as shown. In the drawing this body of the box is shown as relatively shallow but it is to be understood that the box may be of any desired depth so as to carry as many articles as may be desired. At one end of the body thus made a short cover member is located having a main portion 5, from which a flap 6 extends at one edge lying over and substantially covering an end 3 of the body of the box, being secured permanently thereto by rivets or other suitable fastenings. At each edge of the part 5 are other flaps 7 bent inwardly at right angles, as shown. To the opposite end of the box the main cover member is secured. This cover member includes the section 8 having inwardly turned flaps 9 and at the end where it is secured to the end of the body of the box being formed with a flap 10 similar in all respects to and attached in the same way as the flap 6, previously described. This cover member when brought downward to its operative position lies substantially the full length of the box and covers the open upper side thereof, flaps 9 passing at the outer side of each of the sides 2. The shorter member 5 is then placed over the free end portion of the longer member 8, its flaps 7 passing downwardly along the outer sides of the flaps 9, as shown in Fig. 2.

It will be noted that each end of the box as thus made is strongly reinforced having a double thickness of material throughout, this being provided by the ends 3 of the main body of the box and the flaps 6 which cover the same on their outer sides. Through these ends 3 and flaps 6 a plurality of spaced apart slots 11 are cut. Within the box suits of clothes, indicated at 12, are placed, the same being hung on hangers 13 which are equipped with suspension hooks 14 in the usual manner, these hooks extending through the slots 11. Each hook 14 is formed at its free end with a loop 14^a, as shown, which comes against the inner side of the end 3 of the box through which said hook is partially passed. A retaining bar 15 of sheet metal is passed through the projecting portions of the hooks 14 between the same and the flap 6, being passed through each hook in succession as it is inserted through its slot 11. These retaining bars 15, one at each end of the box, preferably, are formed at one end with a flange 16 turned at right angles, which comes against the bottom 1 when all of the garment hangers with clothes thereon have been placed in the box and secured in place.

The suits of clothes when located at each end of the box and on the hangers 13, partially overlap each other. After the box has been filled with the clothes the cover 8 is brought downwardly thereon and this in turn at its end is covered by the member 5 and the box is then sealed in any suitable manner. The retaining bars 15 with the end flanges 16 and the projecting portions of the hooks 14 are preferably covered with a strip 17 of suitable material which is cemented to the box in any desired manner, thus holding the retaining bars 15 from any movement which would disengage the same from the hooks 14.

This construction is very practical and efficient for the purposes for which it is designed. The box structure is strong and durable and whether used to carry clothes or other articles is a very practical and useful construction. It is, of course, apparent that clothes may be hung from one end only of the box and the length of the box shortened to correspond.

Although the foregoing description and the drawings disclose a plurality of slots 11, each to receive a single garment hanger hook, it is feasible to provide a single aperture in the end of the box through which a plurality of garment hanger hooks may be extended and these attached by a bar on the outside of the box similar to the bar 15. There are many variations in detail of structure which may be resorted to without departing from the invention defined in the appended claims and my invention is to be considered comprehensive of all forms of structure coming within the scope of said claims.

I claim:

1. In a construction of the class described a box having a bottom, sides and ends and a cover for closing the open upper side of the box, an end of said box having a plurality of spaced apart slots cut therethrough substantially midway between its sides, garment hangers located within the box, each of said hangers having a suspension hook which passes through a slot in the end of the box, and means separate from the box passing through said hooks where the same extend beyond the end of the box and between said hooks and the outer side of said end of the box.

2. In combination, a receptacle having a bottom, vertical sides and ends, reinforcing members lying against and secured to each end of the box, said ends of the box and said reinforcing members having a plurality of spaced apart slots cut therethrough substantially midway between the sides of the box, a plurality of garment hangers, each having a suspension hook, located in the box at each end thereof on which garments are adapted to be disposed, said hooks of the garment hangers passing through the slots in the ends of the box, means separate from the box passing under said hooks and between the same and the outer sides of the ends of the box to lock the garment hangers against detachment, and means to close the open upper side of said box.

3. A shipping case or receptacle having a bottom, sides and ends, each of said ends having spaced apart slots cut therein one over the other substantially midway between the sides of the box, a plurality of garment hangers, each having a suspension hook and each being adapted to carry garments located in the box at each end thereof, the said hooks extending through said slots, means detachable and separate from the box releasably engaging with the hooks to hold the same in outer position and lock them against inward movement into the box, and means to close the upper side of said box.

4. A shipping case comprising a box having a bottom, vertical sides and ends, an end of said box being formed with a plurality of spaced apart slots located one over the other and substantially midway between the sides of said box, garment hangers located in said box near said slotted end thereof, each of said hangers having a suspension hook passing through a slot, means separate from the box for closing the upper side of the box, and means releasably engaged with said hooks and located at the slotted end of said box for holding said hooks against inward movement.

5. A shipping case comprising a receptacle having a bottom, vertical sides and ends, and cover means for covering the open upper side of the box, each of said ends being formed with a plurality of slots therethrough spaced apart and positioned one over the other substantially midway between the sides of said box, a plurality of garment hangers located in each end of the box, each having a suspension hook extending through a slot, a bar formed at one end with an inturned flange passsing through said hooks between the outer portions thereof and the ends of said box and located against the outer sides of said ends, said flange on said bars coming against the bottom of said box, and means attached to the box and covering said bars and outer exposed portions of said suspension hooks.

6. A shipping receptacle having a bottom, vertical sides and ends, an end of the box being formed with a plurality of slots cut therethrough, spaced apart and located one over the other, a plurality of hangers located within the box, each having a suspension hook passing through a slot, each hook being formed at its end with an obstruction limiting the outward movement of

the hook through said slot, and means passing between the outer sides of said end of the box and the projecting portions of said hooks to draw said obstructions on said hooks against the inner side of said end of the box.

7. A shipping case comprising a receptacle having an aperture in one end thereof through which the hook of a garment hanger located within the box may be extended, and means outside of and separable from the box to engage said garment hanger hook to support and retain it within said aperture.

8. A shipping case comprising a receptacle having an aperture in one of its ends through which the hook of a garment hanger located within the box may be extended, and a retaining member separable from the box adapted to be inserted through the portion of said hook extending outside of said end of the box whereby the garment hanger is supported and the hook retained within said aperture.

9. A shipping case comprising a receptacle having an aperture in one end thereof through which the hook or a garment hanger located within the box may be extended, means outside and separate from the box to engage said garment hanger hook, and means outside the box to retain said hook in close engagement with said outside engaging means.

10. In combination a receptacle having an aperture in one end, a garmet hanger located within the receptacle and having a hook extending through said aperture, a member located outside of the receptacle and extended through said hook, and means on said hook to hold said hook in close engagement with said member.

11. In combination a receptacle having an aperture in one end, a garment hanger located within the receptacle and having a hook extending through said aperture, means located outside of the receptacle to engage and retain said hook, and means to hold said hook in close engagement with said retaining means.

In testimony whereof I affix my signature.

WALTER H. BATTS.