July 13, 1926. 1,592,374

P. W. LYTLE

SHIPPING BOX

Filed Sept. 9, 1925 2 Sheets-Sheet 1

Fig. 1

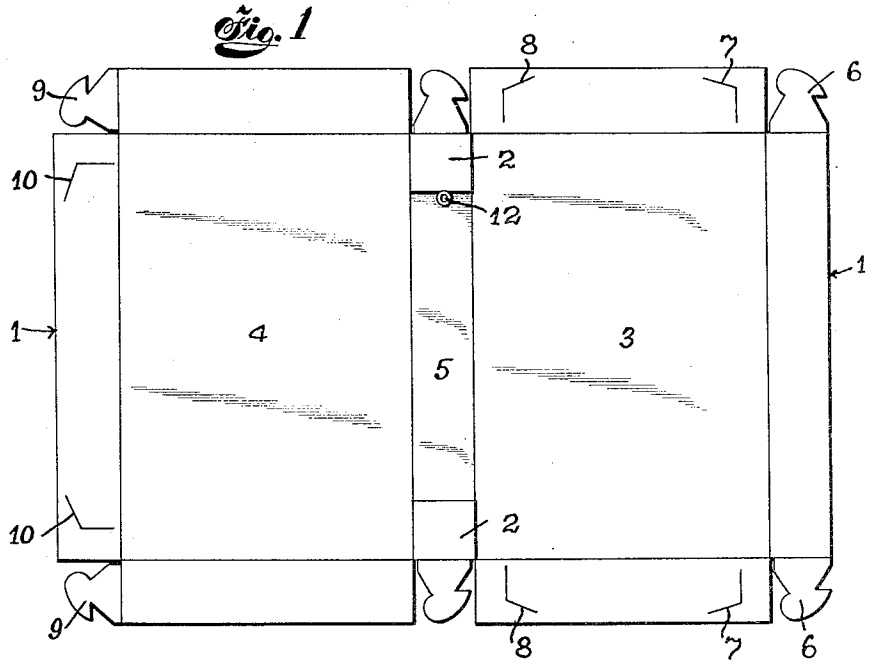
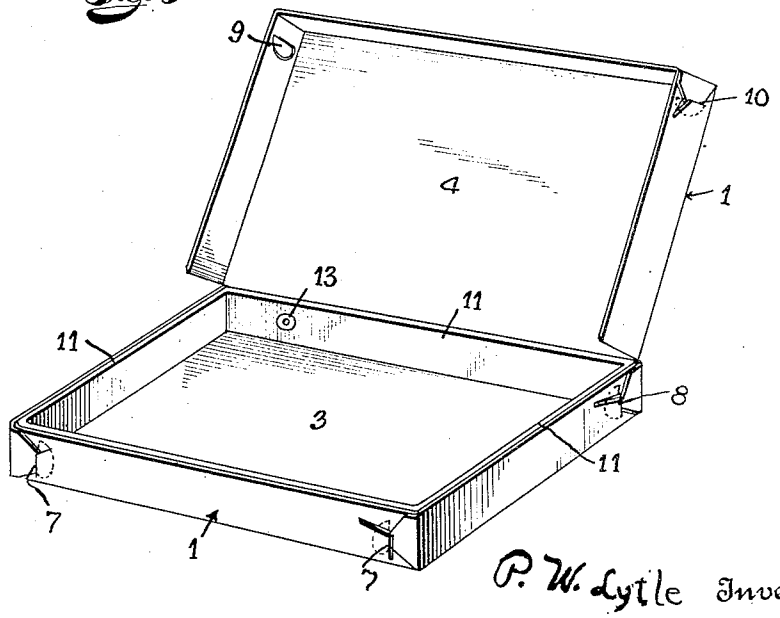


Fig. 3



P. W. Lytle Inventor

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Filed Sept. 9, 1925 2 Sheets-Sheet 2

Fig. 2

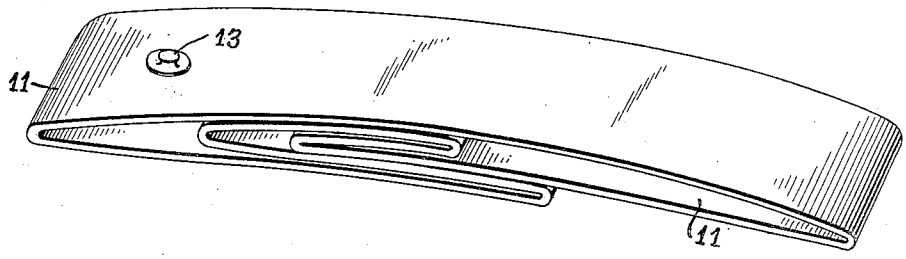
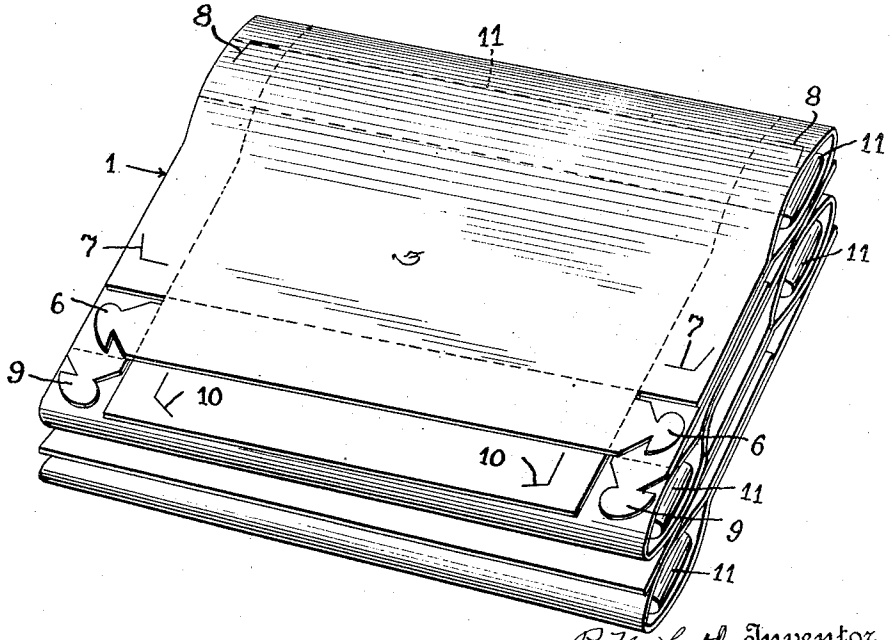


Fig. 4



P. W. Lytle Inventor

By his Attorneys

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Patented July 13, 1926. 1,592,374

UNITED STATES PATENT OFFICE.

PHILLIP W. LYTLE, OF MEMPHIS, TENNESSEE.

SHIPPING BOX.

Application filed September 9, 1925. Serial No. 55,221.

My invention relates to containers for shipping goods by express or parcel post and particularly to that type of box intended to be collapsed when not in use.

An object of my invention is to provide a container which shall be substantial enough to withstand the rough usage that mail and express packages habitually suffer, and shall at the same time be capable of being stacked in large piles for storage, pending use or wholesale shipment.

Another object of my invention is to provide a box which shall be easily knocked down or collapsed for stacking and just as easily put together for use when it is desired to ship goods therein by mail, express, or other mode of transportation.

Another object of my invention is to provide a box in which a reinforcement may be used to protect the contents if the user deems it necessary, or may be dispensed with if he deems it unnecessary.

Another object is to provide such a detachable lining which, after being fastened in the box, can be turned to the position whereby the most advantageous conditions for stacking can be brought about, without unfastening the lining.

In the drawings:

Fig. 1 is a plan view of the box before it is put together, without the lining.

Fig. 2 is a view showing the lining in collapsed position.

Fig. 3 is a view showing the completed box.

Fig. 4 is a representation of a number of such boxes stacked in a pile.

Referring now to the drawings, 1 represents the box, which is preferably cut from a single piece of material, with the exception of the reinforcing tabs 2, as will be explained hereinafter.

The carton comprises a box portion 3, and a cover portion 4, the back wall 5 of the box portion being joined to the cover portion 4 by merely folding the latter over on the former. Tongues 6 forming extensions of the front wall of the box portion 3 are adapted to fit into slots 7 in the side walls of the box portion. The box is completed when the reinforcing tabs 2 are fitted into similar slots 8 in the side walls of the box. The cover is made up by fitting the tongues 9 into the slots 10.

As I have already stated, I prefer to cut the box out from a single piece of material, with the exception of the tabs 2. These are cut separately and glued or otherwise suitably fastened to the rear wall 5 at the points where the greatest amount of rough usage is liable to be met with.

The features which form the real essence of my invention will now be discussed. Heretofore in the manufacture of boxes with protective linings, the difficulty has been to produce a box which when collapsed would be capable of being stacked with others in piles; and hence the shipping of such boxes in wholesale quantities has been so expensive as to be impracticable if not prohibitory to a great many manufacturers, on account of the large amount of floor space used. By my novel invention this difficulty is largely if not entirely obviated. I provide a lining 11 of heavy corrugated paper or other suitable material, for the front, rear, and sides of the box portion. This lining is adapted to be attached permanently to the box so that no inconvenience need be experienced by reason of the lining getting out of place when the box is collapsed for stacking, and so that when the user desires to make it up for shipping he will not have to fuss with putting the lining in its proper place. If he does not, in fact, wish to use the lining, it may be easily unfastened and taken out.

The means I adopt for fastening the lining to the box are such as will have a swivel action, permitting the lining to be turned to the most convenient position for economical stacking. For example, I may provide the eyelet 12 and snapper 13, suitably placed to permit the operation described. It will be seen that such a fastening means would secure the required immunity against slipping out of place, and at the same time permit free movement to any position desired, or detachment, without injury to the box if such be desired. Of course I do not limit myself to an eyelet and snapper as fastening means. Any other means which would produce the same results will be held to come within the scope of my invention and of the appended claims.

It is obvious that the lining 11 when the box is desired to be collapsed, can be folded over as desired.

I claim as my invention:

1. A collapsible container for shipping goods comprising a box portion and a cover portion cut from a single sheet of material, a collapsible reinforcing lining adapted to

be attached to the rear wall of said box portion and means for fastening said lining to said rear wall comprising an eyelet and snapper, whereby said lining may be kept in position when the box is stacked with others in a pile in its collapsed state and may be removed without damage to the box if it is desired to use the box without a lining.

2. A collapsible shipping container comprising a box portion and a cover portion cut from a single sheet of material, a collapsible reinforcing lining adapted to be attached to the rear wall of said box portion, and means for fastening said lining to said rear wall, said fastening means having a swivel action to permit a manufacturer or user of the box to rotate the lining after it has been attached, to such a position as will make possible the stacking of a number of such boxes in large piles for storage or wholesale shipment, without detaching said lining from its position of security to the rear wall.

3. A collapsible shipping container comprising a box portion and a cover portion cut from a single sheet of material, a collapsible reinforcing lining adapted to be attached to the rear wall of said box portion, but removable therefrom at the will of the user of the box, and means for fastening said lining to said rear wall, said fastening means having a swivel action to permit a manufacturer or user of the box to rotate the lining after it has been attached, to such a position as will make possible the stacking of a number of such boxes in large piles for storage or wholesale shipment, without detaching said lining from its position of security to the rear wall.

In testimony whereof, I have signed my name to this specification this first day of September, 1925.

P. W. LYTLE.