N. SCHOENFELD.

DISPLAY TRAY.

APPLICATION FILED AUG. 30, 1918.

1,320,933. Patented Nov. 4, 1919.

Fig:1.

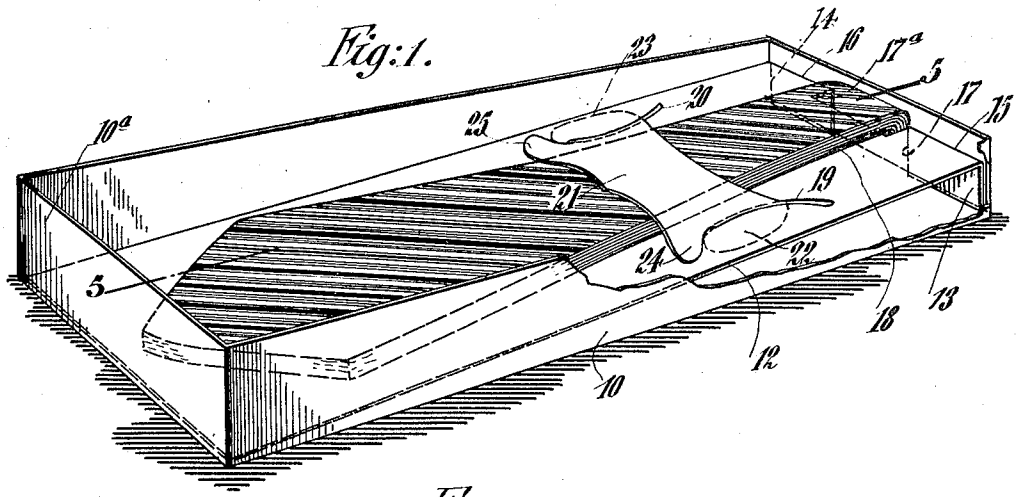


Fig:2.

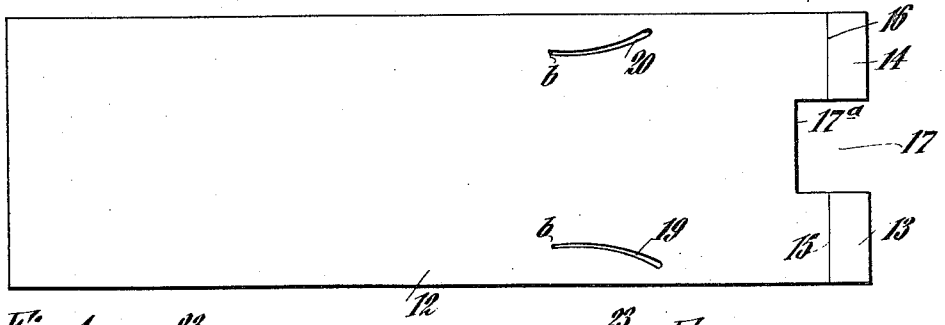


Fig:4.

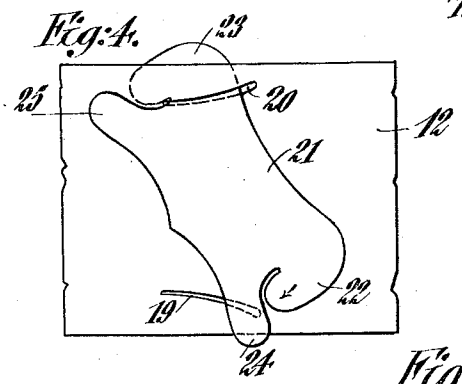


Fig:3.

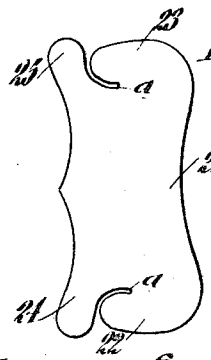


Fig:5.

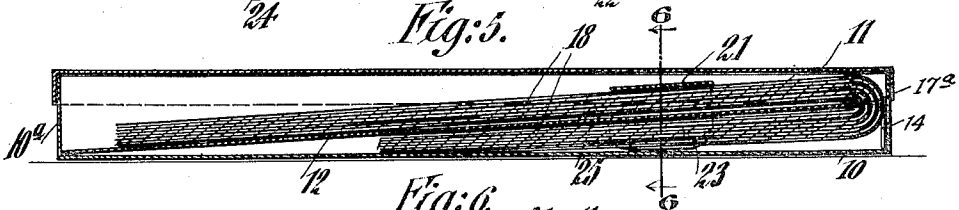
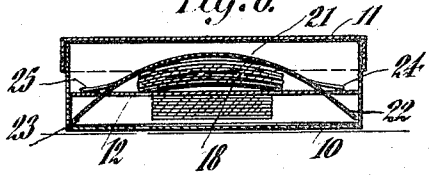


Fig:6.



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DISPLAY-TRAY.

1,320,933. Specification of Letters Patent. Patented Nov. 4, 1919.

Application filed August 30, 1918. Serial No. 252,123.

To all whom it may concern:

Be it known that I, NATHAN SCHOENFELD, a citizen of the United States, and a resident of the borough of Brooklyn, county of Kings, State of New York, have invented certain new and useful Improvements in Display-Trays, of which the following is a specification.

The present invention relates to display boxes and more particularly to a display box for neckties, suspenders or other such articles, an object of the invention being to provide a box of this character in which such articles may be effectively displayed, will be adequately protected and will be simple and inexpensive to manufacture. An objection to most boxes intended for displaying such articles is that they are complicated, require a relatively great amount of material to manufacture, are difficult to set up and do not present an effective display. I propose to provide such a display box which may contain a number of ties for display upon a counter in such manner that a customer may examine all of them without disturbing their position or security in the box and at the same time, if desired, a single tie may be readily removed without disarranging the others. I also propose to provide such a box which may be used for containing a single tie such as is customary especially during the "holiday" season. A further object of my invention is to provide such a display box which may be readily set up to the end that much time and expense will be saved in packing the ties. With these and other objects in view an embodiment of my invention is shown in the accompanying drawings and this embodiment will be hereinafter more fully described with reference thereto and the invention will be finally pointed out in the claims.

In the accompanying drawings:

Figure 1 is a perspective view showing my improved display box with neckties inserted therein and with the cover removed;

Fig. 2 is a plan view of the tray;

Fig. 3 is a plan view of the retaining strap or band;

Fig. 4 is a plan view with parts broken away showing one method of assembling the tray and retaining strap;

Fig. 5 is a longitudinal sectional view taken along the line 5—5 of Fig. 1; and

Fig. 6 is a transverse sectional view taken along the line 6—6 of Fig. 5.

Similar reference characters indicate corresponding parts throughout the several figures of the drawings.

Referring to the drawings and more particularly to Fig. 1 thereof, the embodiment of my improved display box shown therein comprises an elongated rectangular box 10 of a suitable depth to receive a single tie or a number of ties folded once upon themselves, and a cover 11. The box and cover, it may be remarked, are of the usual type of construction consisting of a flat base and sides but these may, if desired, be collapsible or of any other suitable form, the office of the box being merely to provide a container for the ties and the holder or tray therefor, which will be presently described.

The holder or tray 12 is of a size and shape to fit into the box at an inclined position, that is, its main part is preferably slightly longer than the longitudinal interior dimension of the box. The forward end of the tray rests upon the base of the box and abuts against the front wall 10^a thereof, while its rear end is supported in raised position by upright supports and legs 13 and 14 formed continuous with the tray and bent therefrom along the alined score lines 15 and 16. The supports are separated by a cut-out portion 17 which extends into the body of the tray as at 17^a constituting an aperture at the rear end of the tray in the set-up position of the device shown in Fig. 1. The upper surface of the tray, it will be noted, is disposed substantially below the upper edges of the box so that spaces are provided within the confines of the box above and below the tray for the ties 18 (or other articles to be displayed) these being folded about the tray with the bight of the fold engaging the cut-out 17^a.

The tray is provided with a pair of slots 19 and 20 so positioned that they are at each side of the ties and off-set therefrom. These slots are curved or inclined from their lower ends toward the longitudinal edges of the tray and are engaged by a retaining strap or band 21. The ends of this band are respectively provided with tongues 22 and 23 and tabs 24 and 25, said tongues being hook shaped and preferably conforming at their lower ends to the upper edges of the tabs. The distance between the locking points *a* of the strap is greater than

the distance between the lower ends *b* of the slots 19 and 20, so that when the tongues are engaged with the slots the strap will be arched to securely embrace the ties but at the same time will not crush them. The distance between the points *a* and the upper ends of the tongues is less than the length of the slots to facilitate engagement of the tongues with the slots. This engagement may be accomplished either by arching the strap and allowing the tongues to expand laterally into engagement with the slots and thereupon drawing the strap longitudinally of the tray by means of the tabs so that the tongues are interlocked with the slots, or one of the tongues may be engaged with one of the slots, and by a rotary movement the other tongue may be moved into the other slot as shown in Fig. 4. The tongues 22 and 23 extending through the slots, it will be noted, engage the base of the box and support the tray intermediate its ends.

My improved display box, it will be noted, is very simple in construction and requires a very small amount of material to construct, the placing of the ties in the box and the assembling of the device requires a minimum of labor and time and a very efficient container and effective display is provided.

I have illustrated and described a preferred and satisfactory embodiment of my invention but it is obvious that changes may be made therein within the spirit and scope thereof as defined in the appended claims.

I claim:

1. In a display device, a container, a tray support for the articles to be displayed disposed in said container, said articles adapted to extend about said support above and below the same, the said tray being provided with slots at the sides of said articles, and a retaining strap having tongue means at its ends detachably engaging said slots of said tray support and having its portion intermediate said tongue means extending transversely over said articles at their exposed side above said tray and adapted to retain said articles upon said tray.

2. In a display device, a tray support for articles to be displayed disposed in said container, means of supporting one end of said tray support raised from the base of said container, said tray support being provided with an aperture at said raised end, and with slots at either side thereof, said articles adapted to be folded about said support above and below the same, the bight of the fold engaging said aperture, and a retaining strap detachably engaging the slots of said tray support and extending transversely over said articles at their exposed side above said tray support and adapted to retain said articles on said tray.

3. In a display device, a container having a base and upright sides and ends, a tray support for articles to be displayed disposed in said container, means for supporting said tray support raised from the base of said container and below the upper edge of said side and ends to provide spaces above and below said tray support within the confines of said container, said tray support being provided with an aperture adjacent one of the ends of said container, and with slots at either side thereof, said articles adapted to be folded about said tray support above and below the same, the bight of the fold engaging said aperture and a retaining strap detachably engaging the slots of said tray support and extending transversely over said articles at their exposed side above said tray support and adapted to retain said articles upon said tray.

4. A display device consisting of a tray member and a retaining member, said tray member being provided with spaced slots extending longitudinally thereof, said retaining member comprising a strap provided at its ends with tongues having tabs extending longitudinally of said tray member, said tongues adapted to be engaged with said slots, said tabs adapted to engage with said slots to maintain the transverse position of said retaining member, said tongues of said retaining member being spaced apart a greater distance than said slots of said tray member so that in the engaged position of said retaining member, it is arched above said tray member, the articles to be displayed adapted to be folded about said tray member above and below the same, the portion above the tray member being held beneath said retaining member.

5. In a display device, a container, a tray support for the articles to be displayed, provided at one end with supporting means adapted to support it in inclined position in said container, and provided intermediate its ends with slots, said articles adapted to extend about said support above and below the same, and a retaining strap provided with tongues extending through said slot, and adapted to support said tray intermediate its ends, said strap extending transversely over said articles at their exposed side above said tray and adapted to retain said articles upon said tray.

In testimony that I claim the foregoing as my invention, I have signed by name hereunder.

NATHAN SCHOENFELD.