Aug. 3, 1948. T. B. EPPS 2,446,366

DISPLAY BOX

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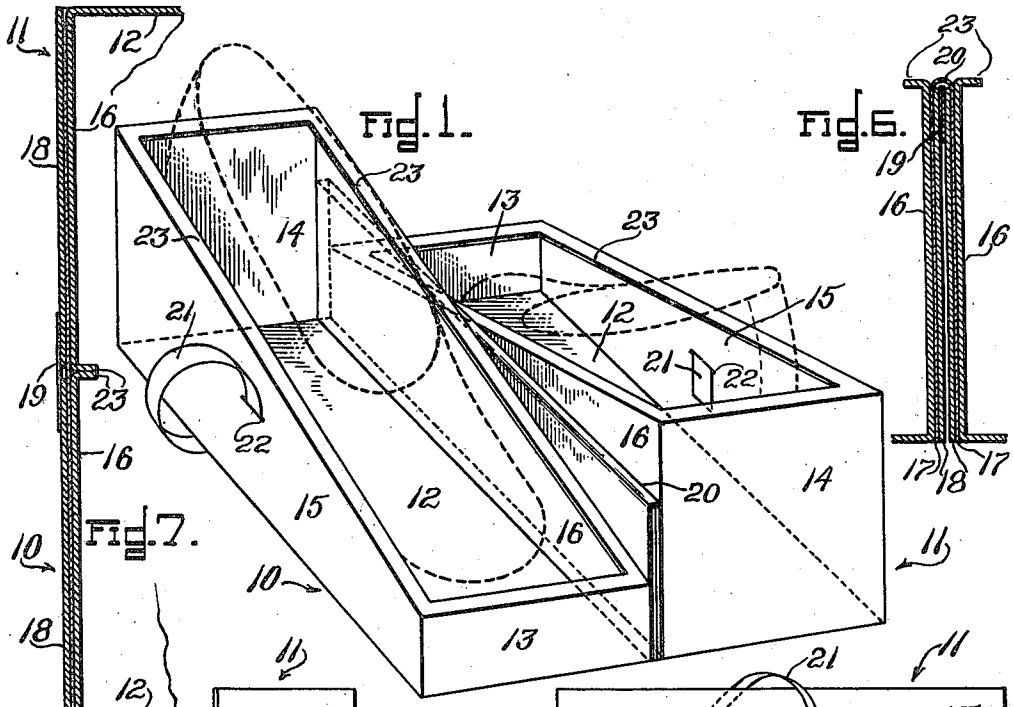


Fig. 1.

Fig. 6.

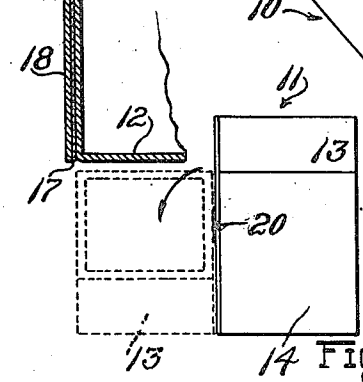


Fig. 3.

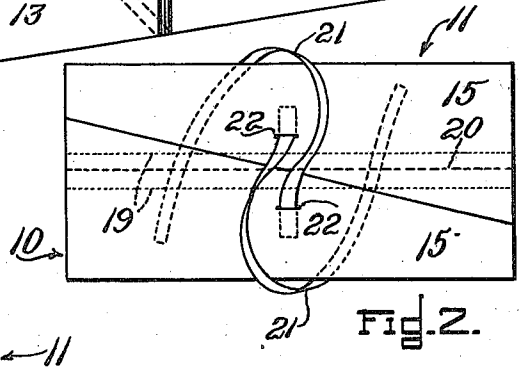


Fig. 2.

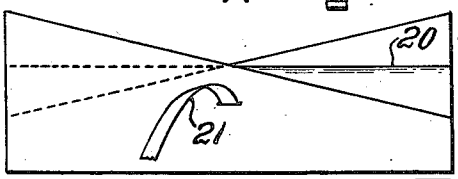


Fig. 4.

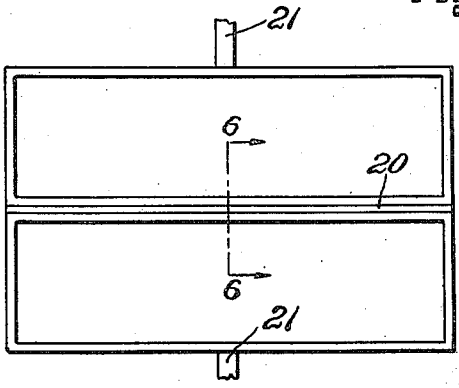


Fig. 5.

INVENTOR.
Thomas Byrd Epps,
BY
Arthur F. Randall
Atty.

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DISPLAY BOX

Thomas Byrd Epps, Boston, Mass.

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1 Claim. (Cl. 206—45.11)

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This invention relates to combined display and storage boxes or receptacles of that class comprising two box sections which can be adjusted relatively into open or closed relationship, and it has for its object to provide an improved box of the class referred to which will present an attractive appearance and display its contents to good advantage when opened.

It is also an object of this invention to provide an improved display and storage box for shoes.

To these ends I have provided an improved display and storage box of the class referred to which, in the preferred embodiment of the invention, may be constructed as hereinafter set forth, the several novel features of the invention being separately pointed out and defined in the claim at the close of the following description. It is to be understood, however, that the illustrated embodiment of the invention is to be taken as a preferred example of the latter and that various changes may be resorted to without departing from my invention as defined in the appended claim.

In the accompanying drawings:

Figure 1 is a perspective view of a combined display and storage box constructed in accordance with my invention, the same being shown in open condition.

Figure 2 is a side elevation, on reduced scale, of the box shown in Fig. 1.

Figure 3 is an end elevation of the box shown in Fig. 2.

Figure 4 is a side elevation of the box in open condition.

Figure 5 is a plan view of the box shown in Fig. 4.

Figure 6 is a sectional detail on line 6—6 of Fig. 5.

Figure 7 is a sectional detail showing the relationship of the parts of Fig. 6 when the box is closed.

The illustrated embodiment of my invention comprises two box sections 10 and 11 whose chimes are fitted together as shown in Figs. 2, 3 and 7 to provide a closed receptacle, or separated as shown in Figs. 1, 4, 5 and 6 in order to display and render accessible the contents of the box. The two box sections may, as shown, be of identical size and shape, each comprising an oblong rectangular bottom wall 12; a perpendicular relatively low end wall 13 at one end of said bottom wall; a perpendicular relatively high end wall 14 at the opposite end of said bottom wall, and two perpendicular oppositely disposed side walls 15 and 16 at the opposite sides of the bottom wall 12.

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Each side wall 15 and 16 is of trapezoidal shape since it presents a plane figure defined by four straight lines having two oppositely disposed parallel sides and two oppositely disposed relatively oblique sides. Also, these four side walls are isoperimetrical since they are all of one size and shape except as to thickness. The larger ends of the two side walls of each box section are of the same height as the relatively high end wall 14 thereof with which they connect, while the smaller ends of said two side walls are of the same height as the relatively low end wall 13 of said section with which they connect.

The two box sections 10 and 11 are assembled with their chimes abutting (Figs. 2 and 7) and a sheet of flexible fabric 17 is then cemented in place upon the outer faces of side walls 16, said sheet being of the same size and shape as that of the two combined side walls. Then two stiff reinforcing panels 18, 18 of oblong rectangular shapes are cemented in place upon the fabric 17 after which a longitudinally disposed narrow flexible fabric strip 19 is cemented in place upon the proximate marginal portions of the stiff panels 18 so that it overlies the longitudinal joint between said marginal portions. This construction permanently and directly connects the two side walls 16 by means of a single straight longitudinal hinge structure that is indicated generally at 20 in Figs. 2 and 6, and whose two wings 17—18 (Fig. 6) reinforce and strengthen the two side walls 16, 16, said hinge 20 being parallel with the bottom walls 12, 12 of the box sections and midway between said walls when the box is closed and viewed in side elevation as shown in Fig. 2.

It will therefore be clear that when the box is closed as in Figs. 2 and 3 and placed in position upon a table or other support (not shown) and the uppermost section is swung sidewise and downwardly to the limit of its movement in that direction on hinge 20 as indicated by the arrow and dotted lines in Fig. 3, then the two bottom walls will be parallel and occupy one plane and both will rest flatwise upon the table or other support while held against bodily movement toward and from each other by the single hinge 20. Fig. 4 shows the box in side elevation and Fig. 5 in plan after it has been thus opened.

The embodiment of the invention illustrated in the drawings is particularly adapted to be used to hold and display a pair of shoes as indicated by dotted lines in Fig. 1. As there shown one shoe of the pair is placed within one box section with its heel end disposed adjacent to or against the higher end wall 14 thereof and its toe end spaced away somewhat from the lower

end wall 13, and with the other shoe likewise placed within the other section. When the box is closed with the shoes disposed therein as described the two shoes intermesh, so to speak, thus economizing in space and permitting the height of the interior of the box to be limited to approximately the height of one of the shoes since the space provided opposite the toe end of each shoe receives the top portion of the heel end of the other shoe.

When the box section 11 is swung sidewise on and over the hinge 20 (Fig. 1) its chime registers with and seats upon the chime of the box section 10 completely inclosing the contents of the box which may then be tied in its closed condition by means of a pair of ribbons or strands 21. One of these two strands has one end thereof threaded through a slot 22 formed in wall 15 of section 11 and cemented to the inner side of said wall, while one end of the other strand 21 is likewise threaded through a slot 22 formed in wall 15 of section 10 and cemented to the inner side of said wall. It will be clear that after closing the box the two strands may be wrapped in opposite directions around the latter and tied together to secure the box in its closed condition.

Each box section 10 and 11 is preferably formed at its top (Fig. 1) with a wall-stiffening and ornamental inwardly projecting flange 23 which is a desirable feature when the sections are made from more or less flexible cardboard and the box is to be used for display purposes.

What I claim is:

An elongated rectangular box comprising upper and lower sections hingedly connected together

with their meeting edges in the closed position lying in a longitudinal diagonal plane, each of said sections being of the same size and shape and each having approximately the external shape of a truncated right prism, the hinge connecting the sections extending longitudinally of the box and medially along one vertical side of the box, and said sections when hinged to open position having their bottoms in a common plane, each section also in the open position comprising a flat rectangular bottom wall, two perpendicular oppositely disposed end walls of different heights, and two perpendicular oppositely disposed side walls whose tops are straight and slant downwardly from the top of the higher end wall to the top of the lower end wall, the higher end wall of each section being disposed alongside of the lower end wall of the other section in open position.

THOMAS BYRD EPPS.

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