July 27, 1965 B. V. WIGEMARK ETAL 3,197,117

SHOE BOXES

Filed Feb. 5, 1963 2 Sheets-Sheet 1

FIG. 1

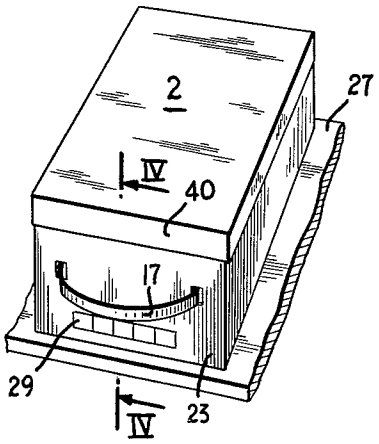


FIG. 2

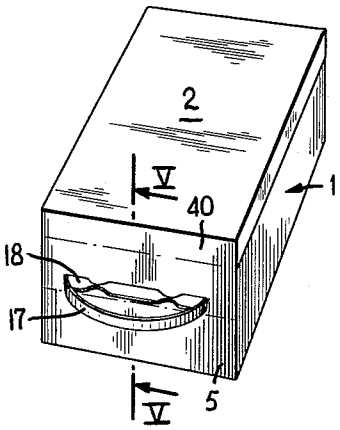


FIG. 3

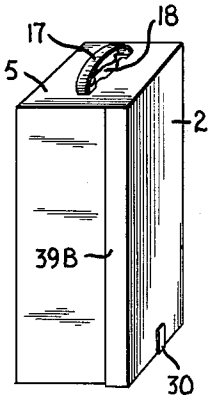
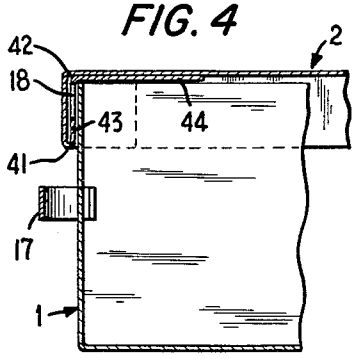


FIG. 4



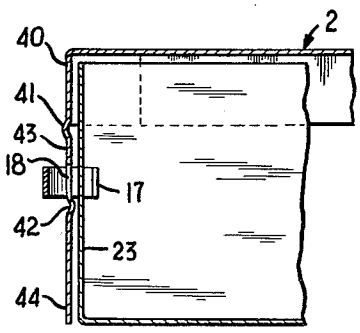
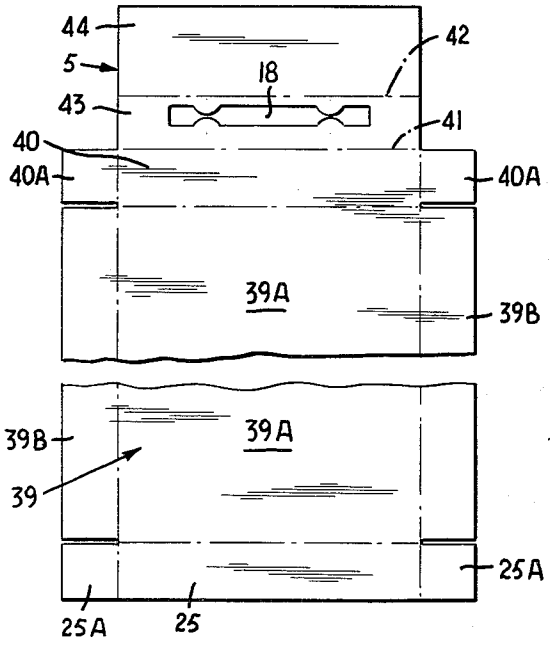


FIG. 5

FIG. 6



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FIG. 7

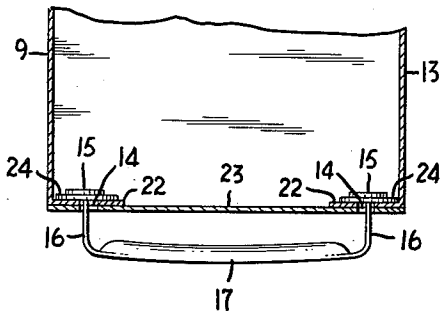


FIG. 8

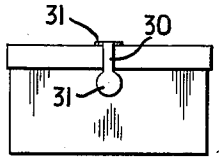


FIG. 9

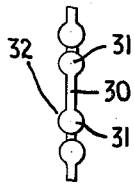


FIG. 10

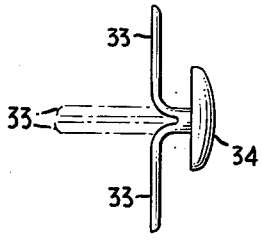


FIG. 11

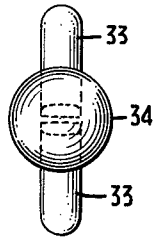
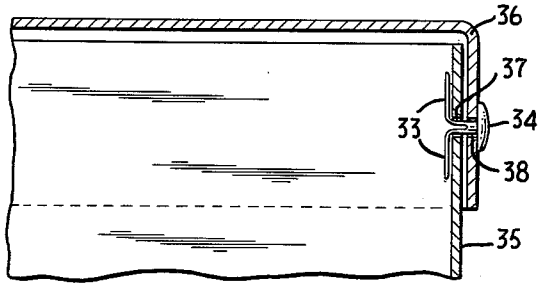


FIG. 12



United States Patent Office 3,197,117 Patented July 27, 1965

3,197,117

SHOE BOXES

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Claims priority, application Sweden, Feb. 7, 1962, 1,321/62
6 Claims. (Cl. 229—52)

Shoes are delivered practically always from the factory to the shop in boxes comprising a lid portion and a bottom portion. At the vending of the shoes in the shop it is necessary that the lids be loose and formed in such a way that in order to occupy the smallest possible space the bottom portion can be arranged in the lid portion. Upon settling the vending the customer receives the shoes in the box which is wrapped in paper and is tied and is eventually provided with a carrying handle of wood.

The purpose of the present invention is to facilitate the work for the seller and for the buyer to carry the package.

The main feature of the invention is to be seen therein that the lid portion which, when the box is closed extends over the opening border of the bottom portion, with a cover piece preferably completely covers one of the four sides of the box, that this side is provided with a handle preferably comprising a soft synthetic resin and, that the cover piece has an elongated slot to be passed through by the handle for rendering possible the carrying of the box after it has been closed.

By this arrangement it is possible to use the box itself as a wrapping and it is easy to carry the shoes in the box by means of the carrying handle.

According to an embodiment of the invention the side of the box which at the carrying of the same is covered with said cover piece is provided with slots to be passed through by retaining plates for the straps on the handle. The covering piece continues advantageously in stay corner portions at the adjacent sides of the lid. Due to these stay portions the lid will be rigid to such an extent that there will be no risk of an accidental opening up of the box at the carrying of the same. There will be no need of paper or string for wrapping the box. The box can be provided with prints and should preferably be manufactured in one or several colours for decorative purposes. In such a case the carrying handle should have a colour matching the colours of the box.

In case the shoes are very heavy, e.g. when ski-boots are to be carried in the box, it may be advisable to attach the lid portion to the bottom portion by means of tape on the side remote from the handle. However, it is also possible to provide the lid portion border at this side with catching tongues which can be inserted in slots in the corresponding wall of the bottom portion.

Special advantages are obtained in boxes having two short and two long sides when the carrying handle is arranged on one short side and the corresponding short side of the lid is provided with a covering piece the closed position of the box to cover preferably completely said short side of the bottom piece and having an elongated opening to be passed through by the handle at the carrying of the box.

According to a further embodiment of the invention the covering piece is formed in such a way that when the lid is in closing position it completely covers that side of the box which carries the handle and is adapted to be folded against the inside of the border piece of the lid from which the covering piece extends. The carrying handle need not necessarily comprise a soft synthetic resin as proposed in the aforegoing.

The invention will now be described with reference to

the accompanying partly diagrammatic drawings, in which:

FIG. 1 is a perspective view obliquely from above and from in front of a shoe box according to the invention arranged on a shelf in a shoe shop,

FIG. 2 is a corresponding view of the shoe box with the handle extending through the covering piece,

FIG. 3 is a perspective view of the shoe box with the lid portion attached to the bottom portion and the box thus ready to be carried away by the customer,

FIG. 4 shows on an enlarged scale a vertical section through the front side of the box shown in FIG. 1 on the line IV—IV in this figure,

FIG. 5 shows a similar section but on the line V—V in FIG. 2,

FIG. 6 is a plane view of a cardboard blank for the manufacture of the lid portion of the shoe box according to the invention,

FIG. 7 shows a horizontal, longitudinal section through one short side of the bottom portion of the box,

FIG. 8 is an end elevation of the lower portion of the shoe box according to FIG. 3,

FIG. 9 shows a gummed strip to be used for fixing the lid to the bottom on the short side remote from the one with the carrying handle,

FIG. 10 is a side elevation of a closing device according to a modified embodiment,

FIG. 11 is an end elevation corresponding to FIG. 10,

FIG. 12 shows a vertical cross section through the rear end wall of the bottom portion and the rear border of the lid portion attached to each other by means of the device shown in FIGS. 10 and 11.

Referring now to FIG. 1, the shoe box comprises a bottom portion 1 and a lid portion 2. The bottom portion is of conventional construction.

In FIG. 6 there is shown a blank 39 for the manufacture of the lid portion of the box according to the invention. This blank 39 comprises a top panel 39A, opposite side portions 39B and a short side or end portion 25 of common width whilst the opposite short side or end portion 40 is extended and forms a cover piece 5. The latter has such dimensions that it can be brought completely to cover one short side or end 23 of the bottom portion 1. Tab portions 25A and 40A are provided respectively on the end portions 25 and 40 for securing the end portions of the lid to the respective side portions at the corners of the lid. The cover piece 5 has an elongated opening 18 for the passage of the handle 17 and continues in the short side piece 40 via a folding groove or line 41. Another folding groove or line 42 extends parallel to the line 41 at a distance from the same which substantially corresponds to the height of the side piece 40. These two fold lines 41, 42 make it possible to fold the cover piece 5 into the lid portion 2 in the way shown in FIG. 4, viz. in such a way that the intermediate part 43 with the opening 18 extends on the inside of the short side piece 40 and the lower part 44 extends on the other side of the upper portion of the lid 2. In this position the cover piece 5 is quite out of the way and the lid portion 2 has at least from the outside a conventional shape and appearance.

Referring now to FIG. 7 it is seen that the longitudinal walls 9, 13 at the corners of the bottom portion of the box are provided with bent-in elongations 22 attached to the inside of the short side wall 23. Spaced slots 14 are cut out in the short side wall 23 as well as in the inwards-bent wall elongations 22 situated inside said wall 23. The straps 16 of the handle 17 extend through the slots 14 and catching plates 15 are situated on the inside of the elongations 22. The slots 14 are situated and the catching plates 15 are dimensioned in such a way that their oppositely directed ends 24 will slide on the inside of the longitudinal side walls 9, 13 whereby the handle 17 after being pushed

in will remain in its pushed-in position due to the friction exerted by the catching plates against the walls 9, 13.

When the filled shoe box is placed on the shelf 27 (FIG. 1) in a shop, the covering piece 5 will be in the position shown in FIG. 4. The statements on the light surfaces, e.g. the labels 29 or the like on the front side of the box, are easily read and the box is easily pulled out by means of the handle 17. When the shoes have been sold, the covering piece 5 is extracted from its hidden position, the handle 17 is passed through the opening 18 in the covering piece and the lid portion 2 is put on the box bottom portion 1. The labels 29 on the front side 23 of the box are completely hidden by the covering piece 5.

Finally, the box may be sealed at the opposite short side by means of a gummed strip 30 (FIGS. 3 and 8) covering this short side and the upper side of the lid portion 2. The strip 30 preferably comprises a so-called tape strip and may with advantage be formed as a seal at one or both ends. The box is thereupon comfortably carried by the handle 17. In FIG. 9 there is shown a tape 32 from which it is easy to tear the gummed strips 30 with the seal-shaped ends 31.

In FIGS. 10 to 12 there is shown another closure device. This has substantially the same shape and action as a splint. It is, preferably, manufactured of synthetic resin and has branches 33 springing outwards and extending from a head 34 having the shape of a button. At the sealing, the branches 33 are pressed together (see the dash and dot lines in FIG. 10) against the action of the springing effect in the resin material and are entered through two apertures 37 and 38, respectively, arranged in front of each other in the rear end wall 35 of the bottom portion 1 and the rear border of the lid portion 2. On the inside of the end wall 35 the branches 33 automatically spring apart with the head 34 resting against the outside of the lid border 36 and thus retain in cooperation with the handle 17 the lid portion 2 on the bottom portion 1 during the carrying of the box.

The present invention has been described in detail above for purposes of illustration only and is not intended to be limited by this description or otherwise except as defined in the appended claims. The handle need not necessarily comprise the above described construction but could be e.g. a rope whereas its holders quite simply comprise knots on the ends of the rope. The cover piece 5 need not necessarily completely cover the short side 23 of the bottom portion 1. The cover piece 5 could for instance be attached by clamps, staples or glue to the front short side piece 40 (FIG. 2) of the lid portion 2.

What we claim is:

1. In combination with a box having a rectangular bottom, two opposite side panels and two opposite end panels, and a handle of flexible material on one end of said box approximately midway between the upper and lower edges of said one end; a lid comprising a rectangular top panel approximately equal to said bottom, opposite side portions perpendicular to said top panel and extending down part way over the corresponding side panels of the box when the lid is in closed position on the box, said side portions having a depth which is only a fraction of the depth of the side panels of the box, a first end portion perpendicular to said top panel and side side portions and having a depth approximately equal to the depth of said side portions, tab portions securing said first end portion to said side portion at respective corners of the lid, a second end portion having a width approximately equal to the width of said one end of the box and a depth

approximately equal to the depth of said one end of the box, a first horizontal fold line extending across said second end portion at a distance from the top panel approximately equal to the depth of said side portions and defining an area of said second end portion below said fold line which is foldable inwardly, a second horizontal fold line extending across said second end portion below said first fold line and at a distance from said first fold line approximately equal to the depth of said side portions and foldable in a direction opposite to that of said first fold line, said fold lines dividing said second end portion into an upper area above said first fold line, an intermediate area between said fold lines and a lower area below said second fold line, tab portions securing opposite sides of said upper area only to said side portions at respective corners of the lid, said intermediate area having formed therein an elongated opening receiving said handle therethrough, said second end portion of the lid having a first condition in which said intermediate area lies inside said upper area and said lower area underlies an adjacent portion of said top panel and a second condition in which said upper, intermediate and lower areas are approximately in the same plane and substantially cover said one end panel of the box, with said handle passing through said opening.

2. A combination according to claim 1, in which said handle is formed of flexible synthetic resin material.

3. A combination according to claim 1, in which opposite end portions of said handle extend through spaced slits in said one end of the box and are secured on the inner side of said one end.

4. A combination according to claim 1, further comprising means for securing said first end portion of said lid to an adjacent portion of the corresponding end panel of said box.

5. A combination according to claim 4, in which said securing means comprises a fastener extending through aligned holes in said first end portion of the lid and an underlying portion of said corresponding end panel of said box.

6. A combination according to claim 4, in which said fastening means comprises a flexible strip adhesively secured to outer surfaces of said first end portion of the lid and the corresponding end panel of the box.

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