March 2, 1954 E. B. SCHNEIDER 2,670,853

DISPLAY STAND FOR STACKED CONTAINERS

Filed April 23, 1951

2 Sheets-Sheet 1

Fig. 1.

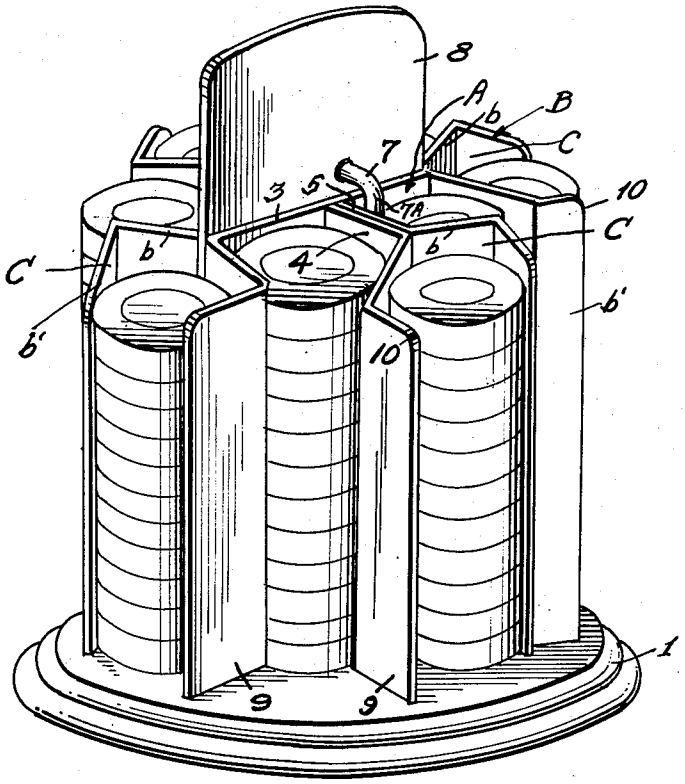

Fig. 4.

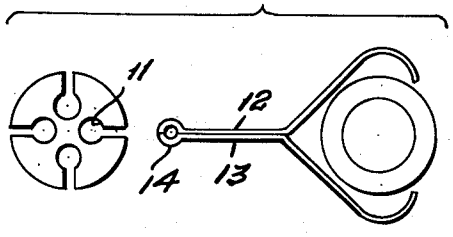

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Fig. 2.

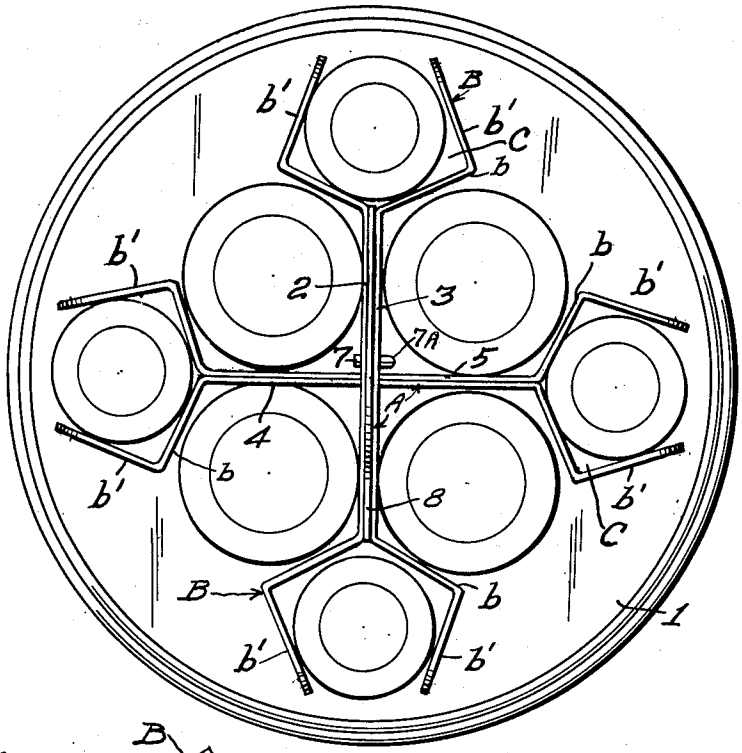


Fig. 3.

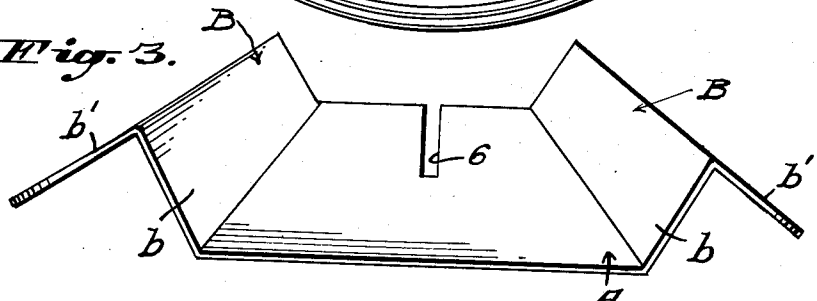
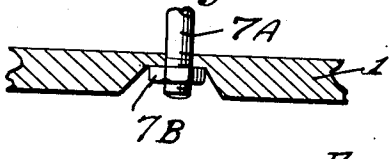


Fig. 5.



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UNITED STATES PATENT OFFICE

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DISPLAY STAND FOR STACKED CONTAINERS

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Application April 23, 1951, Serial No. 222,358

Claims priority, application Luxembourg April 29, 1950

7 Claims. (Cl. 211—49)

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Some manufacturers distribute to the retailers of their products portable stands comprising sets of shelves with vertical compartments, in which the packages or receptacles, such as metallic or cardboard boxes, are superposed for the purpose of exhibiting them to customers. These devices are generally made of wood, are not demountable, and take up an amount of space disproportionate to the quantity of goods displayed. Since they serve for advertising purposes they should be distributed in large numbers, but the relatively high cost price constitutes a hindrance to their extensive use.

The present invention relates to a portable stand for displaying goods in boxes, receptacles or other like containers or packages, formed by a certain number of suitably bent partitions assembled in a predetermined combination to form vertical compartments. The partitions are held together by a simple detachable hooking element which engages in the base or supporting plate. For the transporting of a number of these stands the partitions are taken apart and superposed flat with their profiles interengaging, thereby enabling the space occupied to be minimized.

The mass production of such partitions in metal, in plastic or in any other material that admits of being given a bent shape by stamping or moulding hardly necessitates any manual manipulation, and the erection of the stand at the retailer's shop is effected by simply assembling the parts. The portable display stands according to the present invention are of moderate cost and easy to transport. The particular combination of these partitions furthermore renders it possible to obtain, for a definite number of vertical compartments, an appreciable reduction in the area occupied by the stand, an advantage which is greatly appreciated by retailers.

To illustrate the characteristics of the improvements, the accompanying drawings represent by way of example, and only by way of example, a form of construction which in no way restricts the ambit of the invention, and does not exclude any constructional modification with equivalent elements.

Figure 1 illustrates in perspective a portable metal stand for flat circular boxes of two different sizes.

Figure 2 is a plan view of the same stand.

Figure 3 shows in perspective the profile of one of the partition elements.

Figure 4 represents in plan part of a modified form of construction, and

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Figure 5 is an enlarged fragmentary section showing the clamping rod fastened to the base.

In the embodiment shown in Figures 1, 2 and 3, on a base 1, or on a less elevated plate, four partitions 2 and 3, 4 and 5, of a profile such as that shown in Figure 3, are assembled two by two. More specifically, each partition includes a planar body portion A and a wing B at each end thereof. These are elements of symmetrically reversed profiles. Each of these four elements is formed with a half-cut-through slot at 6, as shown in Figure 3. The assembling is effected by engaging the two pairs of partitions by their oppositely directed slots in such a way that half the height of each pair of partitions is engaged in the twin slots of the other pair of partitions. The four central parts of the partitions are thus held in the form of a cross and rest upon the base 1.

The two wings of each partition element are bent at an obtuse angle twice in opposite directions as at *b* and *b'*, and, as will be gathered from Figures 1 and 2, the assemblage forms adjacent vertical compartments C, the slightly convergent front walls of which exhibit the merchandise through vertical open fronts which are somewhat less wide than the space reserved for the containers, such as round boxes for example exhibited therein, this being for the purpose of retaining them in the supporting stand. In order to anchor the four partitions to the base, a hook 7 at the upper end of a vertical rod 7A is engaged through an aperture (not shown) in an extension piece 8 wedged between two of the partitions, and the lower end of the rod passes through the base and is fixed thereto by means of a nut 7B lodged in a hollow on the under side of the base.

The base and the partitions may be of metal, of plastic, or of any other material, opaque or transparent, colored or not colored, which permits shaping and cutting. The auxiliary or extension piece 8 (Figure 1), serves as a handle and as a placard to inform customers as to the origin, the nature and the quality of the merchandise. The outside faces 9 (Figure 1) of the partitions may moreover serve the same purposes.

It is obvious that the portable stand may undergo certain modifications in its construction. The bending of the wings at the ends of the partition elements may be effected in curves instead of angularly. The upper edges 10 of the outer portions of the separating partitions may have varied profiles. Finally the fixing of the

elements may be effected by any other strong and simple equivalent means.

Figure 4 illustrates a constructional modification comprising a central piece to be screwed to the base, this piece having a certain number of throated longitudinal notches 11, in which the twinned ends of two partition elements 12 and 13 engage. These ends are arched so as to form a bulge or bead 14, which is held in the notch 11. These partition elements are rectilinear over a portion of their length, and then diverge, the edges converging again at their outer extremities for the purpose of retaining the pile of packages. These elements of a simple profile are as easy to assemble as the ones previously described.

I claim:

1. A portable stand for displaying merchandise in boxes, receptacles and other small superposable containers or packages, comprising a base, four partitions, bent twice in opposite directions at each of their ends, being assembled in pairs on said base with their profiles symmetrically reversed, each pair of partitions overlapping the other pair astride at right angles by the engagement of a half-cut-through joint in the partitions, a vertical rod having a hook at the upper end thereof engaging one of the pairs of partitions and means securing the lower end of the rod to the base whereby said vertical rod maintains said partitions on the base.

2. A portable display stand as claimed in claim 1, characterised by the feature that the assembled partitions form four vertical compartments adjacent to the centre, and four vertical compartments at the extremities of the paired partitions.

3. A portable display stand as claimed in claim 2, characterised by the feature that the compartments formed by the assembled partitions define vertical front openings that are narrower than the greatest breadth of the individual compartments and through which openings, containers lodged in the compartments may be viewed.

4. A partition element serving for the portable stand as defined in and claimed by claim 1, characterised by the feature that said partition element comprises a straight body portion having side edges and ends slotted at its center from one side edge to half the depth, the ends of the straight body portion being bent at an obtuse angle towards one side of the body portion and then bent back in the opposite direction.

5. A constructional modification of the portable display stand claimed in claim 6, characterised by the feature that a central supporting piece fixed to the base comprises vertical longitudinal notches with constricted access slots, in each of which is engaged the ends of the body portion of the two partition sections, remote from the wing.

6. A portable stand for displaying merchandise in boxes and the like wherein the boxes are arranged in superposed relationship comprising a base, a pair of partition sections arranged on the base, each section being defined by a planar body portion and a wing at one end thereof, the said wing including a member extending at an obtuse angle away from the plane of the body portion and a second member extending from the first member at an obtuse angle toward the plane of the body portion, the said partition sections being arranged with the planar body portions in facial engagement and the wings extending in opposite directions whereby the two members constituting the wings form a compartment for the boxes, said second named members defining a front opening of lesser width than the width of the compartment and securing means cooperating with said partition sections and said base to maintain the sections in facial engagement and on the base.

7. A portable stand as defined in and claimed by claim 6 further characterized in that a wing is provided at each end of the partition sections.

EUGENIE BARBE SCHNEIDER.

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