May 26, 1942. N. H. LONZ 2,284,527

EXHIBITION PACKAGE

Filed May 9, 1941 2 Sheets-Sheet 1

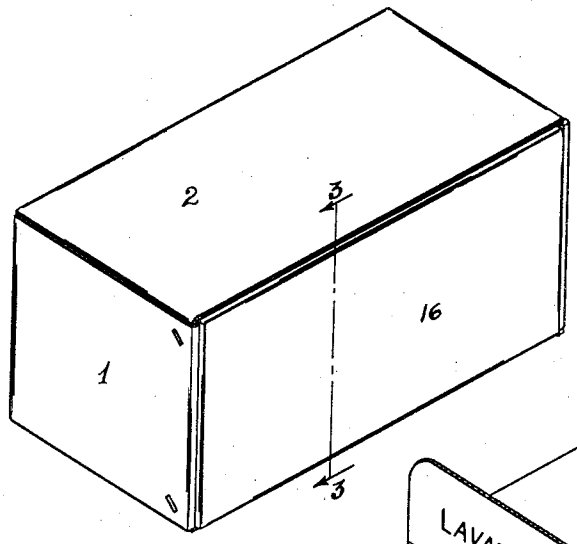


Fig. 1

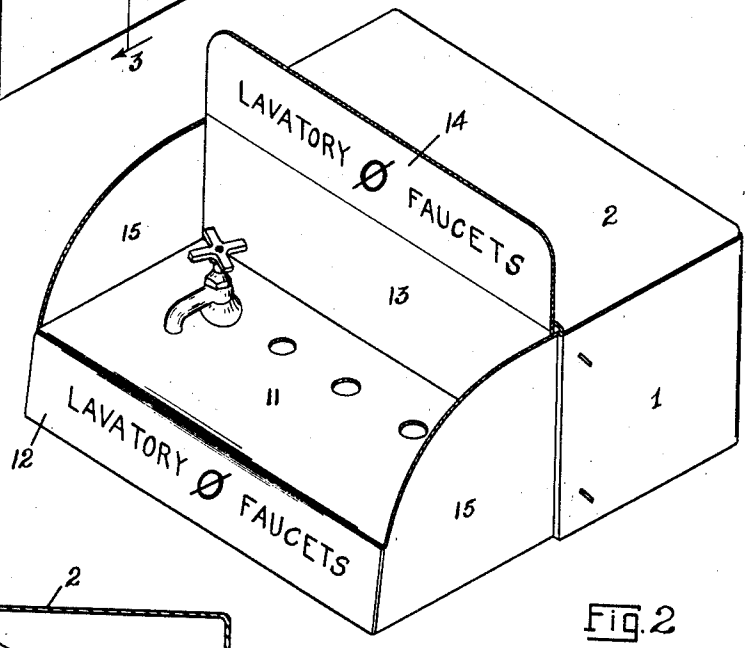


Fig. 2

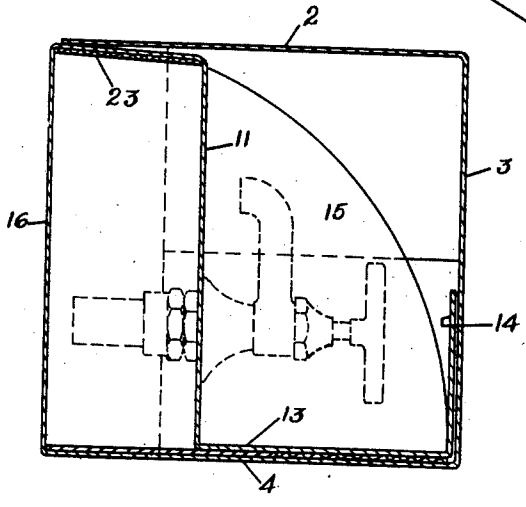


Fig. 3

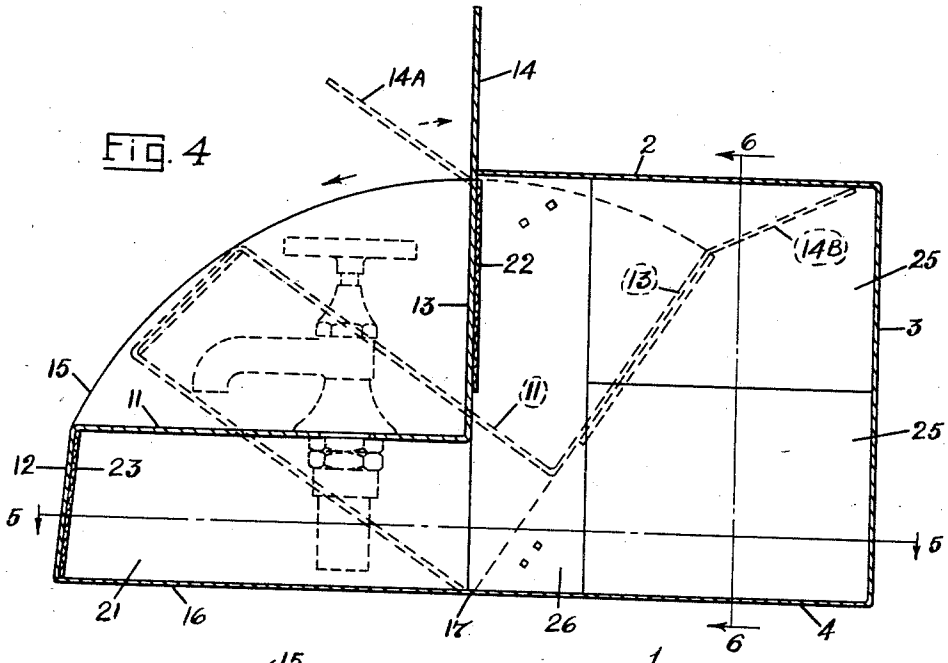
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EXHIBITION PACKAGE

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Fig. 4



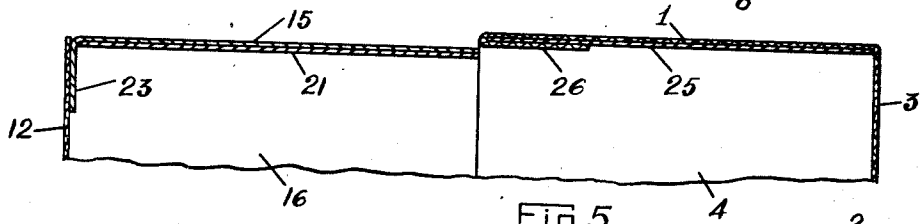


Fig. 5

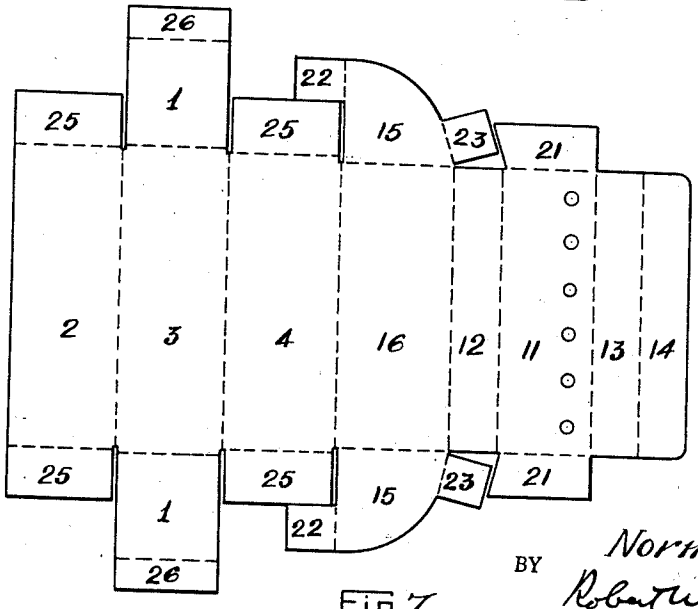


Fig. 7

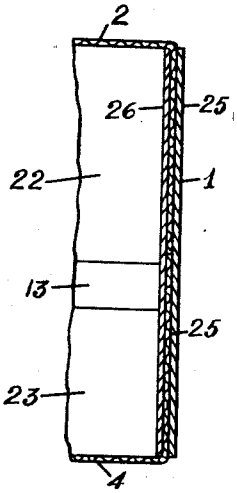


Fig. 6

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UNITED STATES PATENT OFFICE

2,284,527

EXHIBITION PACKAGE

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Application May 9, 1941, Serial No. 392,719

3 Claims. (Cl. 206—44)

This invention relates to containers which include portions to which articles may be fastened for display, the container itself combining display features and covering elements all combined in a single structure. The present package which may quickly be changed between display and shipping positions by a simple hinging action requiring no removal of fastenings and no need of tucking in or undoing any parts. Both the displaying and the covering portions are preferably made of one unitary blank, but whether so made or not are in effect one single operative apparatus when in use. The particular form shown here is for the display of articles on a shelf to which they are attached, as for example bathroom faucets.

In the accompanying drawings:

Fig. 1 is a perspective view of the package closed ready for carrying, storage or transportation;

Fig. 2 is a perspective showing the same package set up for display;

Fig. 3 is a transverse vertical section through the closed package on plane 3—3 of Fig. 1;

Fig. 4 is a view on the same plane as Fig. 3, solid lines showing the package set up for display, and dotted lines showing an intermediate stage;

Fig. 5 is a fragmentary horizontal section on plane 5—5 of Fig. 4, certain elements appearing in plan therein;

Fig. 6 is a vertical longitudinal fragmentary section on plane 6—6 of Fig. 4, certain portions appearing in elevation; and

Fig. 7 is a view of the blank.

As best seen in Fig. 2, the package comprises a box body of substantially standard construction, preferably of corrugated board or other similar fibre material, such body having ends 1, top 2, back 3 and bottom 4, all folded and connected in any convenient manner usual in this industry, such as staples, tape, adhesive or the like.

The display portion proper consists of a stepped shelf 11 with front riser 12, back 13, and optionally, upper display flap 14. This shelf assembly is also finished at the ends by approximately quarter round pieces 15. The shelf 11 is held horizontal by lugs 21 which face inside the quarter rounds 15 and bear edgewise against the bottom 16, as shown in Fig. 4. The quarter rounds 15 may be secured to the back 13 by tabs 22, Fig. 4, fastened to the concealed face of 13. To further strengthen the shelf construction, tongues 23 on the quarter rounds are caught between the front edges of the lugs 21 and the rear face of the front riser 12. All this makes the entire swinging shelf structure firm and rigid, capable of supporting relatively heavy loads. The ends 1 of the box body may be of any convenient construction, such as half laps 25 inside an outer full lap 1, with an overlapping inside fold 26.

A panel 16 extends backward from the front riser 12, forming a forward extension of the box body 4 when in display position as in the full lines of Fig. 4, and forming the front of the case when closed, Fig. 1.

The upper display lap 14, if used, is connected by a bend line to the panel or back 13, and due to the natural resiliency of the material stands substantially upright when the shelf is swung out to the display position of Fig. 2. In order to close the shelf, it is merely swung in, the line 17 between the panel 16 of the box bottom 4, serving as a hinge line. The flap 14 moves counterclockwise as shown in dotted lines in Fig. 4 at position 14A when the shelf is swung inward, but as the shelf completes its swing all the way down to the bottom position, not shown, this flap 14 still stands up. When the shelf is swung out and forward as shown by the arrow in Fig. 4, the flap reverses its position and wipes against the top 2 of the box, thus taking a backwardly directed position 14B, from which it jumps to substantially an upright position upon swinging the shelf out far enough beyond display position to clear the flap 14 from the top 2. Thereafter the flap 14 stands up as shown in Fig. 2.

From the foregoing it will be seen that I have invented a compact, sturdy and simple package, suitable for displaying fairly heavy articles, capable of housing the displayed articles and of being quickly and easily changed between display and housing positions. This package is readily made from a unitary blank, can be shipped flat and easily assembled. Although I have shown and described a preferred form of my improved package it will be understood that it is capable of being made in various modifications, the scope of my invention being determined by the appended claims.

I claim:

1. A combined packing and display container comprising in combination a container body, a side thereof hinged thereto, said side having formed upon that face which is inward when the container is closed a shelf parallel to but spaced from said side, and a back behind said shelf, said

back extending from the level of said shelf to the top of the container when in display position, and a display flap hinged to the top of said back and adapted to stand above the top of said container when in display position.

2. A unitary blank for a combined packing and display container, said blank comprising in combination a group of four successively disposed panels, other panels secured to the ends of the first three panels of said group and adapted to form therewith three sides and both ends of the container; a further group of three panels also defined by hinging lines and disposed successively to the last panel of said first-named group and to each other, all panels of both said groups being defined by parallel hinging lines and having substantially the same dimension in a direction perpendicular to the direction of their successive disposition; said group of three panels being adapted to form respectively a front riser, a shelf and a back all carried by the last panel of said four-panel group; said last panel being adapted selectively to close said container into packing position with said riser, shelf and back inside, or to form a display when swung out into the plane of that panel to which it is hinged.

3. A unitary blank for a combined packing and display container, said blank comprising in combination a group of four successively disposed panels, other panels secured to the ends of the first three panels of said group and adapted to form therewith three sides and both ends of the container; terminal flaps on the last panel of said group, tabs on the inner front and outer rear corners of said end flaps; a further group of three panels also defined by hinging lines and disposed successively to the last panel of said first-named group and to each other, all panels of both said groups being defined by parallel hinging lines and having substantially the same dimension in a direction perpendicular to the direction of their successive disposition; said group of three panels being adapted to form respectively a front riser, a shelf and a back all carried by the last panel of said four-panel group, flaps on the ends of said shelf-forming panel adapted to interlock with tabs on the inner front corners of said end flaps, said outer corner tab being adapted to engage with said back when the container is assembled, all thereby connecting said shelf, riser, back and terminal flaps into a rigid structure; said last panel of the four-panel group being adapted selectively to close said container into packing position with said riser, shelf and back inside, or to form a display when swung out into the plane of that panel to which it is hinged.

NORMAN H. LONZ