

Nov. 26, 1935.

C. D. FALLERT

2,022,191

SHIPPING CASE

Filed April 1, 1935

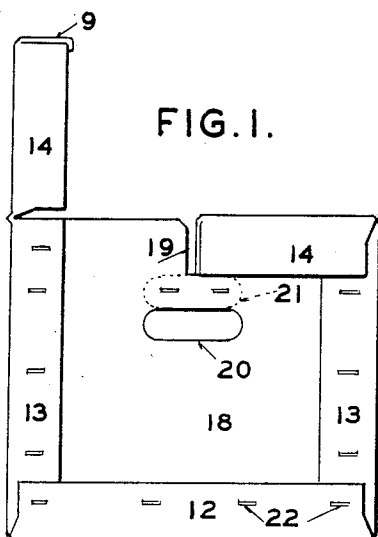


FIG. 1.

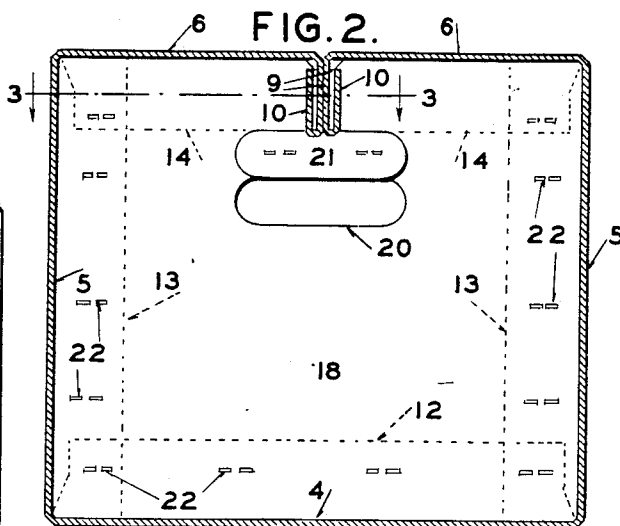


FIG. 2.

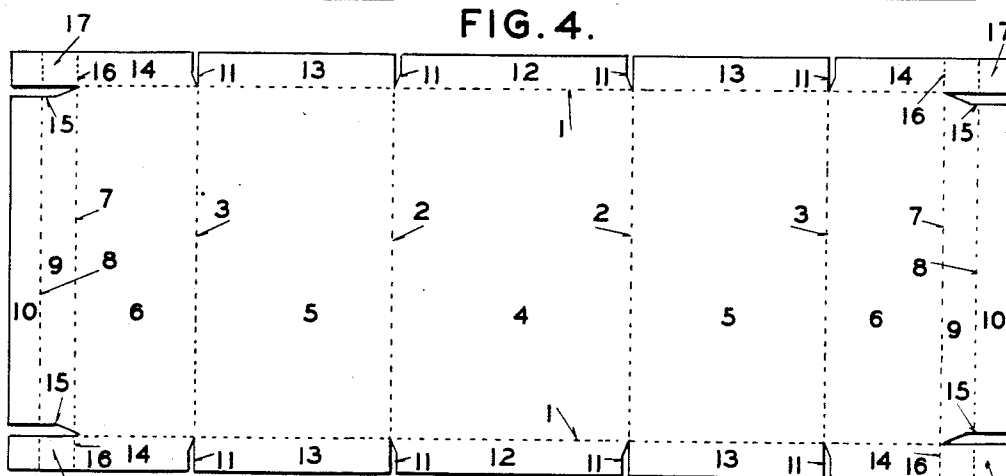


FIG. 3.

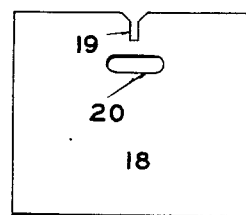


FIG. 5.

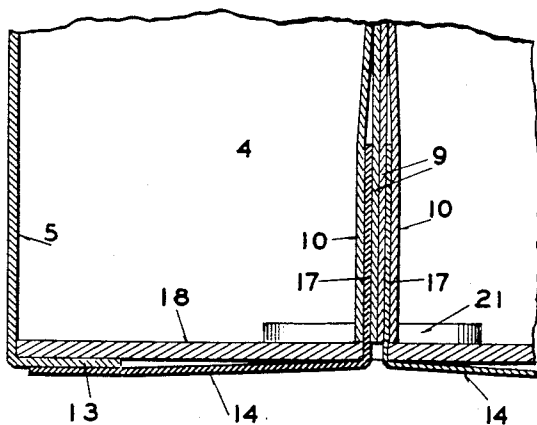


FIG. 4.

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SHIPPING CASE

Clifford D. Fallert, St. Louis, Mo., assignor to
Robert Gaylord, Incorporated, St. Louis, Mo.,
a corporation of Missouri

Application April 1, 1935, Serial No. 14,008

5 Claims. (Cl. 229—23)

My invention relates to a shipping case of the type formed of bendable material such as fiberboard. While cases made in accordance with my invention may be used in shipping various kinds of material, the specific form shown is particularly adapted for shipping bottled beer.

The object of my invention is to provide a shipping case of the kind referred to which will secure the necessary strength and rigidity with the use of the minimum amount of material, the blanks from which the case is formed being so designed as to substantially eliminate waste and, when assembled, producing an extremely strong and rigid structure.

In the accompanying drawing, which illustrates one form of shipping case made in accordance with my invention, Figure 1 is an end view, one of the cover sections being shown in raised position; Figure 2 is a vertical cross-section; Figure 3 is a horizontal section through a portion of the case taken on the line 3—3 of Figure 2; Figure 4 is a plan view of the main or body blank; and Figure 5 is a plan view of one of the end blanks.

The case is formed from a single body blank like that shown in Figure 4, and a pair of end blanks like that shown in Figure 5. The body blank is made of any suitable bendable material, preferably solid fiberboard, and is rectangular in shape. This blank is provided, adjacent its longer edges, with a pair of crease lines 1. Extending between the crease line 1 and at right-angles thereto are two pairs of crease lines 2 and 3, respectively, dividing the blank into a bottom panel 4, a pair of side panels 5, and a pair of cover panels 6. The cover panels are each provided with a pair of crease lines 7 and 8 forming a side cover flange 9 and a flange lining strip 10. Slits 11, forming continuations of crease lines 2 and 3, divide the portions of the blank outside of crease lines 1 into bottom flanges 12, side flanges 13, and cover end flanges 14. Slots 15 forming continuations of crease lines 1 beyond crease lines 7 and short crease lines 16 forming continuations of the said lines 7 provide each of the end cover flanges with a tongue 17.

The end panels 14, as they do not require bending, may be made of considerably thicker material than the body blank, as shown in Figure 3. Each of the end panels has formed in its upper edge, a slot 19 and is also provided with a hand hole 20. The upper edge of the hand hole 20 is reinforced by a strip 21 which, for economy in manufacture, may be the piece removed to form the hole. By making the upper edge of this strip flush with the bottom of the slot 19, it also serves to increase the supporting area for the cover flanges.

The flanges 12 and 13 are secured to the end

panels and the lining strips 10 are secured to the flanges 9 with the tongues 17 between their ends, as shown in Figure 3. The slots 19 are of a width equal to the combined thickness of the two flanges 9 and the two tongues 17 so that the ends of the lining strips 10, which are slightly shortened due to the slots 15, bear against the inner faces of the end panels so that the flanges are firmly braced against longitudinal movement. Any suitable means may be used to secure the parts together, such as staples 22.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent of the United States is:

1. A shipping case comprising side and end walls, said end walls being provided with slots in their upper edges, cover panels hinged to said side walls, side and end flanges carried by said cover panels, lining strips for the side flanges, and tongues carried by the end flanges and secured to the side flanges, said tongues entering said slots.

2. A shipping case comprising side and end walls, said end walls being provided with slots in their upper edges, cover panels hinged to said side walls, side and end flanges carried by said cover panels, lining strips for the side flanges, and tongues carried by the cover end flanges and secured between the cover side flanges and the lining strips, said tongues entering said slots.

3. A shipping case comprising side and end walls, said end walls being provided with slots in their upper edges, cover panels hinged to said side walls, side and end flanges carried by said cover panels, lining strips for the side flanges, and tongues carried by the end flanges and secured to the side flanges, said tongues entering said slots and the ends of said lining strips abutting the inner faces of the end walls.

4. A shipping case comprising side and end walls, said end walls being provided with slots in their upper edges and with hand holes below the slots, reinforcing strips for the upper edges of said hand holes, said strips terminating flush with the bottoms of said slots, cover panels hinged to the side walls, and side and end flanges for the cover panels, said side and end flanges being connected to form a reinforcement for each cover panel, said reinforcements entering the slots.

5. A blank for use in forming a shipping case, said blank comprising a bottom panel, a pair of side panels, a pair of cover panels, a pair of cover side flanges, and a pair of cover flange lining strips; end fastening flanges carried by the bottom and side panels, end flanges carried by the cover panels, and tongues carried by the cover panel end flanges.

CLIFFORD D. FALLERT.