

June 1, 1954

R. J. HENNESSEY
TOASTER CONTAINER

2,679,927

Filed Dec. 2, 1949

3 Sheets-Sheet 1

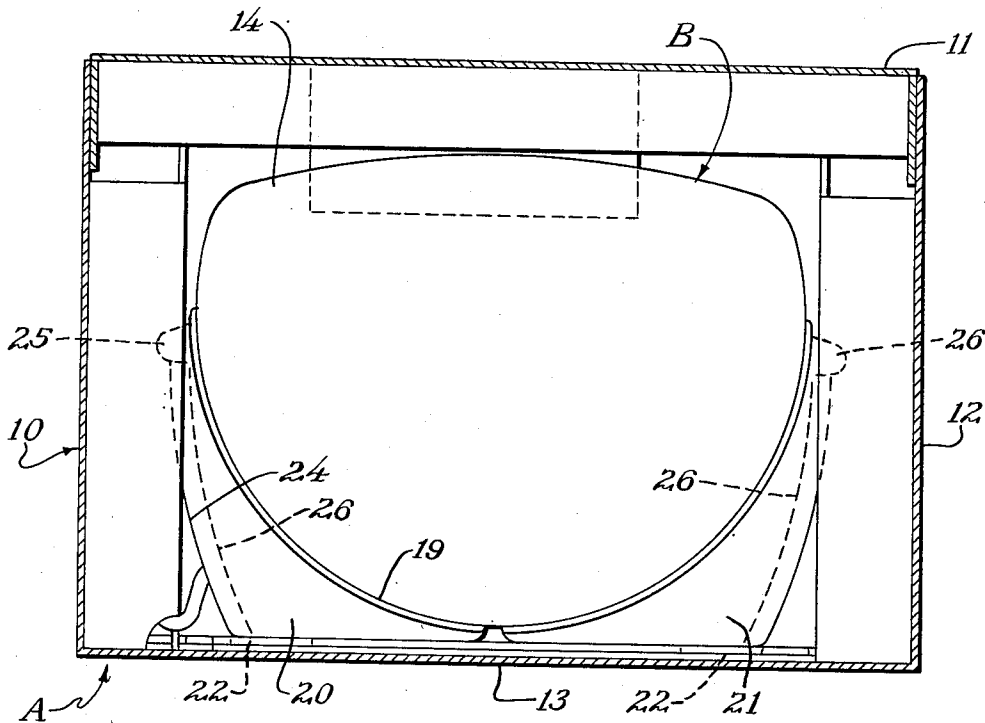


Fig. 1

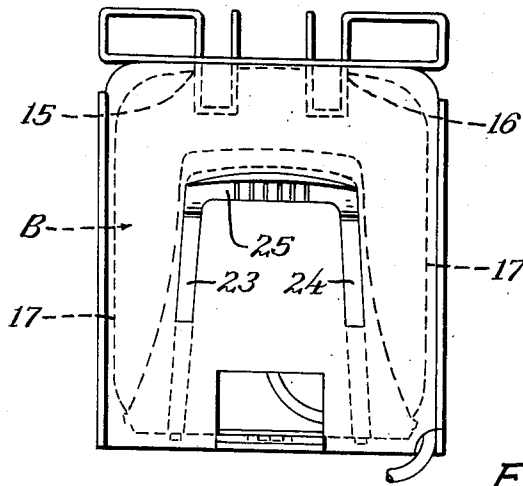


Fig. 2

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3 Sheets-Sheet 2

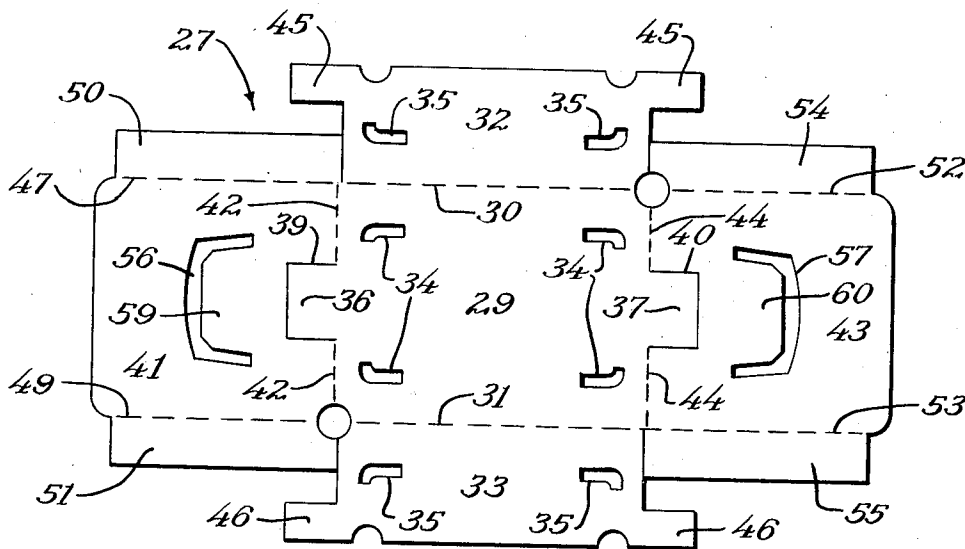


Fig. 3

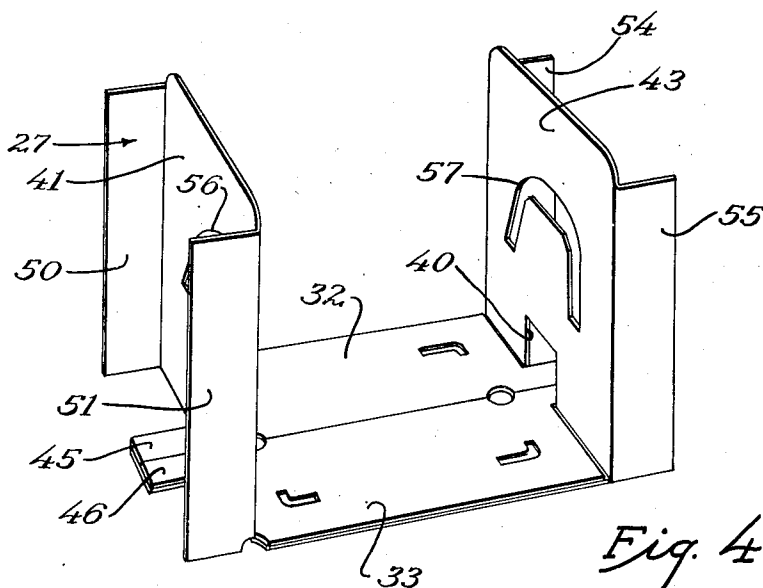


Fig. 4

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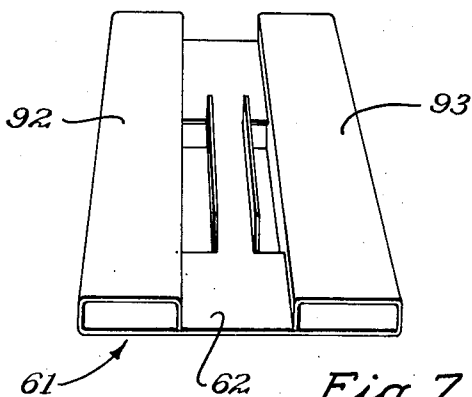
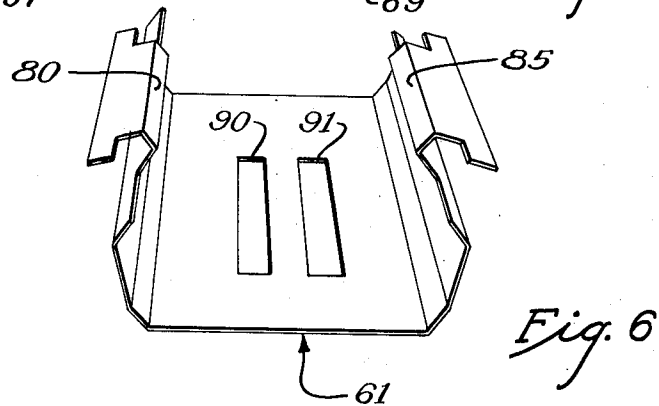
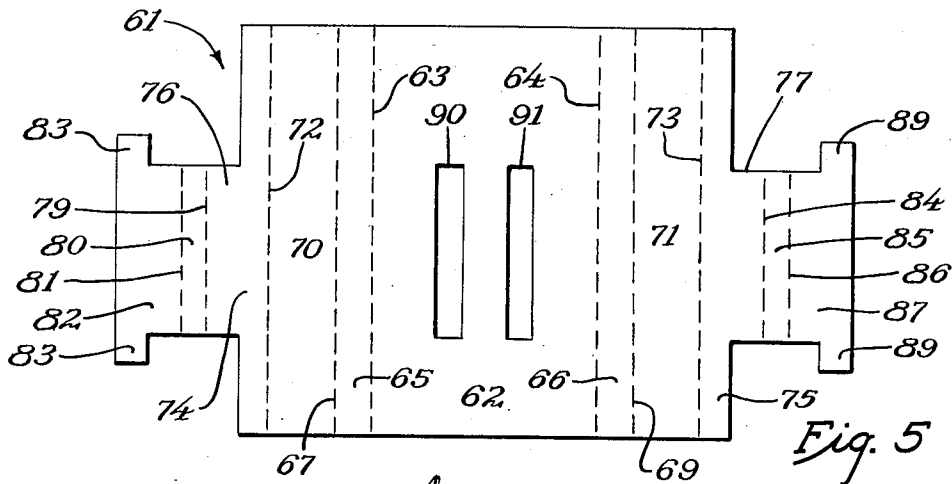
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TOASTER CONTAINER

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6 Claims. (Cl. 206-46)

1

My invention relates to an improvement in toaster container wherein it is desired to provide a simple and effective means of containing an electric toaster or similar device during transportation.

Electric toasters are ordinarily constructed with plated metal sides and top, and are sometimes made with ends of plastic or similar material. In shipment care must be taken to prevent the plastic ends from striking another object as these parts are relatively brittle. Care must also be taken to prevent contact between the side walls and top of the toaster and the walls of the container as relative movement between the walls and the container walls tends to scratch the highly polished surfaces.

An object of the present invention lies in the provision of a carton containing two pads which effectively engage the toaster and hold it from movement. These elements act to hold the walls of the toaster away from the container walls so as to prevent scratching thereof. The pads also hold the plastic parts spaced from the walls of the container so as to prevent injury thereto.

These and other objects and novel features of my invention will be more clearly and fully set forth in the following specification and claims.

In the drawings forming a part of my specification:

Figure 1 is a longitudinal sectional view through the outer container showing the toaster and interior packing in said elevation.

Figure 2 is an end elevation of the toaster and the interior packing structure removed from the carton.

Figure 3 is a diagrammatic plan view of one of the packing pads showing the construction thereof.

Figure 4 is a perspective view of the pad shown in Figure 3 in formed position thereof.

Figure 5 is a diagrammatic plan view of the other packing pad.

Figure 6 is a perspective view of the pad shown in Figure 5 in partially formed condition.

Figure 7 is a perspective view of the pad of Figures 5 and 6 in completely folded form.

The container A includes an outer rectangular container 10 of corrugated board, fiber board, or similar material. This outer container is usually provided with a tuck top 11 and rectangularly arranged side walls 12. A bottom 13 is composed of folded bottom flaps connected together in any suitable manner. As the outer container forms no part of the present invention other than a rectangular body for containing the structure, the details of the construction are not illustrated.

2

The toaster B is provided with a rounded upper surface 14 having a pair of spaced slots 15 and 16 therein into which the bread to be toasted is inserted. The side walls 17 are outwardly rounded so as to provide a streamlined appearance for the toaster and the body is curved along its lower edge as indicated at 18. A pair of plastic leg units 20 and 21 are secured to the rounded undersurface of the body and act as a cradle for supporting the body. A pair of spaced angularly extending legs 22 are provided on each leg unit, these legs extending below the level of the remainder of the leg units to serve as its support. The leg units are outwardly and upwardly curved and are provided with outwardly and upwardly curved ribs 23 and 24 which project beyond the remainder of the leg unit. A cross connecting member 25 connects the upper ends of the ribs 23 and 24 and acts as a handle by means of which the toaster may be carried. The ribs 23 and 24 project beyond the end walls 26 of the leg units as is indicated in Figure 1 of the drawings.

The pad 27 illustrated in Figure 3 of the drawings, is designed to form a protection for the leg units and to hold the toaster from longitudinal or lateral movement within the container. The pad 27 includes a bottom panel 29 which is foldably connected along parallel fold lines 30 and 31 to bottom reinforcing panels 32 and 33 respectively. These reinforcing panels 32 and 33 fold along the fold lines 30 and 31 to overlie the panel 29 so as to form a bottom of double thickness.

Angular apertures 34 are provided in the bottom panel 29 to snugly fit the downwardly projecting legs 22 of the toaster leg units. The bottom reinforcing panels 32 and 33 are provided with registering apertures 35 which are aligned with the apertures 34 in folded position of the reinforcing panels. The leg units 22 are of a height equal approximately to the thickness of the bottom panels 32 and 33 so that the legs of the toaster are suspended above the bottom wall 13 of the container. The bottom surface of the leg units bears directly upon the pads 32 and 33 and these pads serve as a solid bearing for the toaster while the apertures 35 prevent longitudinal or lateral movement of the toaster on the bottom panel.

A generally rectangular tongue 36 projects from one end of the end panel 29 and a similar tongue 37 projects from the other end thereof. These tongues are defined by U-shaped cut lines 39 and 40. The bottom panel 29 is connected to the end panel 41 by a pair of aligned fold lines

42 on either side of the cut line 39. The end panel 43 is connected to the opposite side of the base panel 29 along aligned fold lines 44 on opposite sides of the cut line 40. With this construction the end panels 41 and 43 may be folded upwardly into right angular relation with the base panel as indicated in Figure 4 of the drawings, while leaving the tongues 36 and 37 projecting longitudinally from the base panel.

Longitudinally extending tongues 45 are provided on the reinforcing panel 32 and similar longitudinally extending tongues 46 are provided on the reinforcing panel 33. In folded condition of the reinforcing panels, these tongues 45 and 46 lie in side by side relation and register with the projecting tongues 36 and 37 of the bottom panel 29. In folded condition the reinforcing panels abut as indicated in Figure 4.

The end panel 41 is connected along parallel fold lines 47 and 49 to flanges 50 and 51, respectively. Similarly the end wall 43 is connected along parallel fold lines 52 and 53 to flaps 54 and 55 respectively. In folded condition of the pad 27, the flanges 50 and 51 fold outwardly into parallel relation as illustrated in Figure 4 to extend against the ends of the carton, thus holding the end panel 41 in definitely spaced relation thereto. Similarly in folded condition of the pad, the end wall 43 is held in spaced relation from the end wall of the outer container by the parallel flanges 54 and 55.

A generally U-shaped slot 56 is provided in the pad 41 and a similar U-shaped slot 57 is provided in the end panel 43. These U-shaped slots are designed to accommodate the upper ends of the spaced ribs 23 and 24 of the leg units and the connecting handle 25 thereof. Due to the inward curvature of the leg units, only the upper portion of the ribs project sufficiently far to extend through the end panels. The tongues 59 and 60 comprising the portion of material within the U-shaped slots 56 and 57 extend between the ribs 23 and 24 and beneath the handle 25 so as to prevent lateral or downward movement of the handle relative to the pad. This forms an additional means of engaging the toaster without contacting the metal sides or top thereof.

The end panels 41 and 43 of the pad 27 extend slightly above the level of the toaster when it is confined within the pad. These end panels act as a support for the second pad 61, best illustrated in Figures 5 through 7 of the drawings. The pad 61 includes the bottom panel 62 which is connected along parallel fold lines 63 and 64 to side wall panels 65 and 66. The side wall panels are connected along their upper edge along fold lines 67 and 69 to top panels 70 and 71. The top panels 70 and 71 are connected along parallel fold lines 72 and 73 to vertical spacing panels 74 and 75. These vertical spacing panels include an upper portion of the same width as the previous panels described and a projecting portion which is relatively narrow. The projecting portion 76 projects centrally from the spacing panel 74, while the projecting portion 77 projects centrally from the spacing panel 75.

The projection 76 is connected by a fold line 79 to a connecting portion 80, which in turn is connected by a parallel fold line 81 to the spaced portion 82. The portion 82 is partially of the same width as the projection 76, but is provided with longitudinally extending ears 83 on opposite ends thereof for a purpose which will be later described.

The projection 77 is connected along a fold line

84 to a connecting portion 85, which in turn is connected by a parallel fold line 86 to a spaced portion 87. The portion 87 is provided with longitudinally extending ears 89 at opposite ends thereof.

The bottom panel 62 is provided with a pair of elongated slots 90 and 91 therein, which are spaced similarly to the slots 15 and 16 of the toaster. These slots 90 and 91 are designed to accommodate the projecting portions 76 and 77 of the spacing panels, as will now be described.

The pad 61 is folded by folding the spacing panels 82 and 74 into generally parallel relation and also folding the spacing panels 75 and 87 into generally parallel relation. The pad is then folded along the various parallel fold lines and the connecting portion 80, together with the adjacent portions of the panels 74 and 82, are inserted through the slot 90. Similarly the connecting portion 85, together with the adjacent portions of the panels 75 and 87 are inserted through the slot 91. This action produces the pad illustrated in Figure 7 of the drawings. It will be noted that the pad has two rectangular or tubular elements indicated in general by the numerals 92 and 93 extending over the bottom panel 62 and is also provided with rectangular downwardly projecting portions extending beneath the pad bottom 61. These downwardly projecting portions extend into the toaster slots 15 and 16 and hold the toaster from longitudinal or lateral movement.

The pad 62 is held slightly spaced above the top 14 of the toaster by the end panels 41 and 43 of the pad 27. The toaster is held from upward movement by engagement of the handles 25 into the U-shaped slots 56 and 57. The pad 61 holds the pad 27 from vertical movement within the outer container A. This upper pad also extends into the toaster slots 15 and 16 to hold the top of the toaster from lateral or longitudinal movement. Thus the two pads hold the toaster securely within its outer container and without actually touching the highly polished outer surface of the toaster. It will be noted that the tongues 83 and 89 are of proper height to extend into contact with the top 11 of the container so as to prevent disengagement of the downwardly projecting portions of the pad 61. It will be noted that the toaster is supported in spaced relation to all of the walls of the outer container and that all of the portions of the toaster contacted by the two pads will not be affected by relative slidable movement.

The packing structure has the advantage of simplicity of assembly. The pad 27 is placed upon a flat surface. The reinforced pads 32 and 33 are folded to overlie the bottom panel 29. The toaster is then placed upon the reinforced panels 32 and 33, the legs of the toaster extending into the slots 35. This holds the reinforcing pads in folded position and properly locates the toaster on the bottom panel. The end panels 41 and 43 are next folded vertically, the ribs and handle of the leg units extending through the U-shaped slots 56 and 57. The flanges 50, 51, 54, and 55 are next folded into parallel relationship and the entire unit lifted and dropped into the outer container. The pad 61 is next folded into the position shown in Figure 7 of the drawings and inserted into the container. The downwardly projecting portions of the pad enter the toaster slots 15 and 16. The top of the carton may next be closed and the package is complete.

In accordance with the patent statutes, I have

5

described the principles of construction and operation of my toaster container, and while I have endeavored to set forth the best embodiment thereof, I desire to have it understood that obvious changes may be made within the scope of the following claims without departing from the spirit of my invention.

I claim:

1. A toaster package including a toaster having projecting handles at opposite ends thereof, and downwardly projecting feet thereon, the packing comprising an outer rectangular container having side and end walls, a bottom wall, and an interior pad including a bottom panel having apertures therein accommodating said legs, said bottom panel being substantially shorter than the bottom wall of the outer container and of substantially equal width thereto, a pair of end panels connected to opposite ends of said bottom panel along fold lines and extending upwardly therefrom, said end panels having apertures therein accommodating the projecting handles of the toaster, flanges on opposite edges of the end panels extending at right angles thereto and engageable against the end walls of the outer container to hold said end panels spaced therefrom, the apertures in the bottom panel holding the toaster from lateral movement in any direction and the apertures in the end panels holding the toaster from vertical movement relative thereto, means for holding the interior pad from vertical movement within the outer container, and integral projecting tongues on the ends of said bottom panel extendable beyond said end panels into alignment with the edges of said flanges.

2. The structure described in claim 1 and including a pair of flanges foldably connected to said bottom panel and foldable over the same to form a double thickness bottom.

3. A toaster package for a toaster having a pair of elongated generally rectangular spaced openings in its upper surface, the package including an outer container having side and end walls, a bottom and a top, and an interior top pad within the outer container including a panel having sides engageable against the container side walls and ends engageable against the container end walls, flaps foldably connected to the panel sides, said panel having spaced elongated apertures therethrough, and U-shaped extensions on said flaps extending through said apertures and designed to extend into the openings

6

in the toaster to hold the toaster from lateral movement within said outer container.

4. The structure defined in claim 3 and in which the flaps comprise two angularly related portions, one of which extends upwardly from the panel, and the other of which extends parallel to and spaced from the panel.

5. In a toaster package for a toaster having a pair of elongated generally rectangular spaced openings in its upper surface, an outer container having side and end walls, a bottom and top and an interior top pad structure within the outer container including a pair of spaced hollow tubular cushioning portions generally rectangular in cross-section and having upper and lower sides arranged in common planes beneath the top of the outer container, and a pair of channel shaped portions projecting downwardly from the inner edges of said hollow tubular portions, said channel shaped portions being of proper length and width to extend into the openings in the top of the toaster to hold the toaster from lateral movement within said outer container.

6. In a toaster package for a toaster having a pair of generally rectangular spaced openings in its upper surface, an outer container having side and end walls, a bottom and top and an interior top pad structure within the outer container including a pair of spaced parallel side cushioning portions having portions thereof lying in a common plane parallel to the top of the outer container and between the same, and the top of the toaster, and a pair of spaced parallel channel shaped portions projecting downwardly from the inner spaced edges of said cushioning portions, said channel shaped portions substantially snugly fitting said openings in the top of the toaster to hold the toaster from lateral movement within the outer container.

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