

Dec. 27, 1966

W. W. McFARLAND ET AL

3,294,226

CONTAINER

Filed Sept. 2, 1965

6 Sheets-Sheet 1

FIG. 1

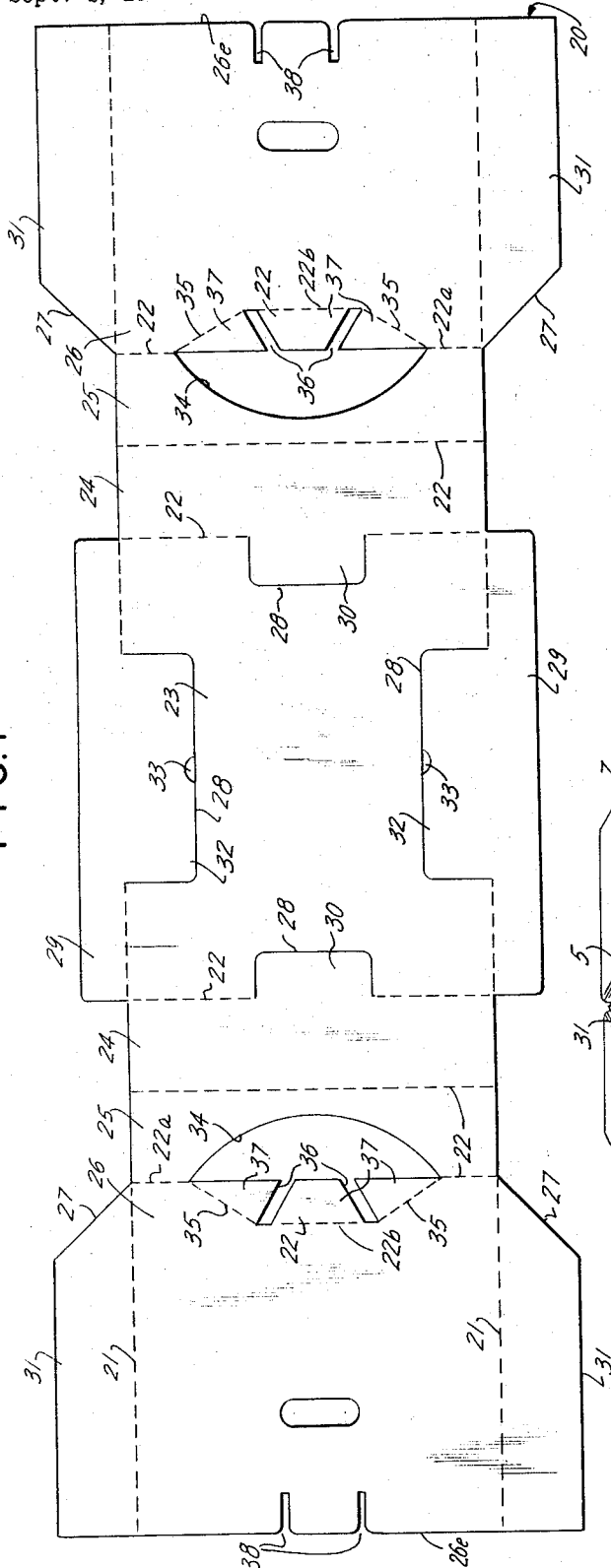
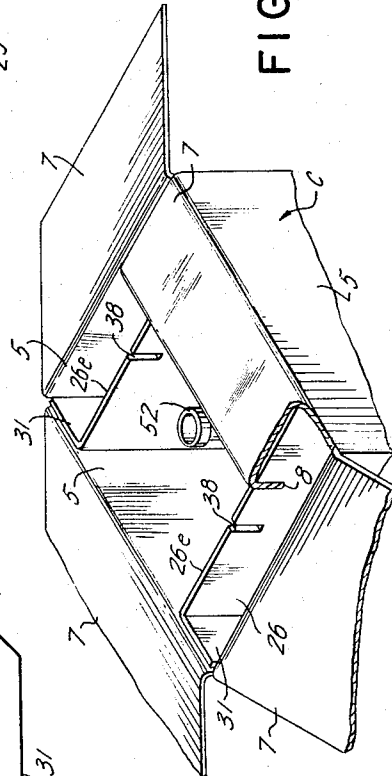


FIG. 5



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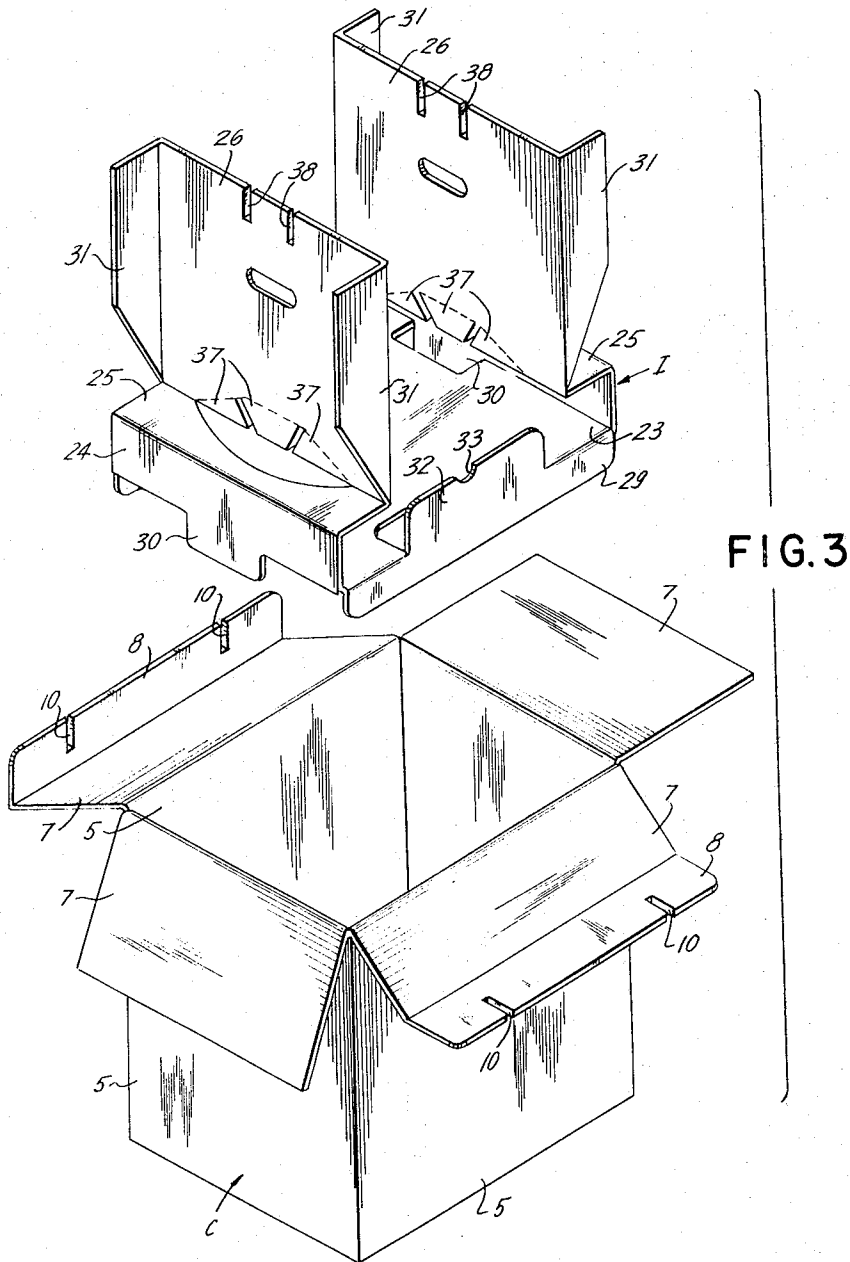
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FIG. 6

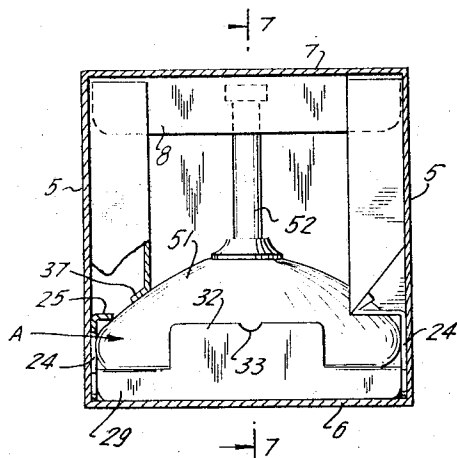


FIG. 7

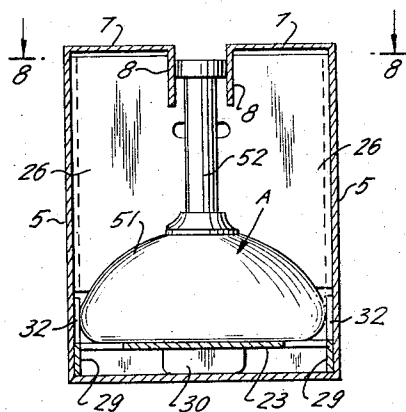


FIG. 4

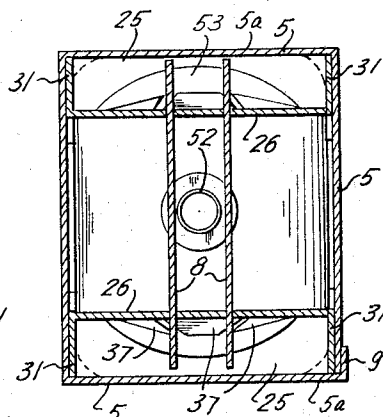
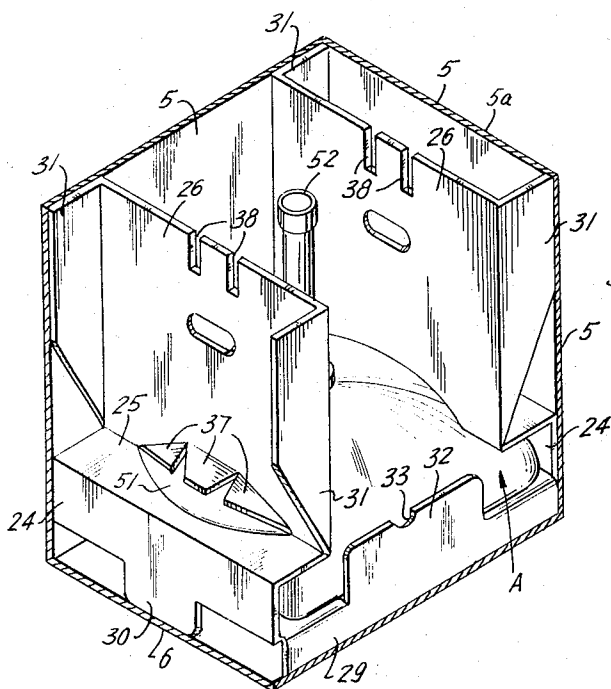


FIG. 8

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FIG. 9

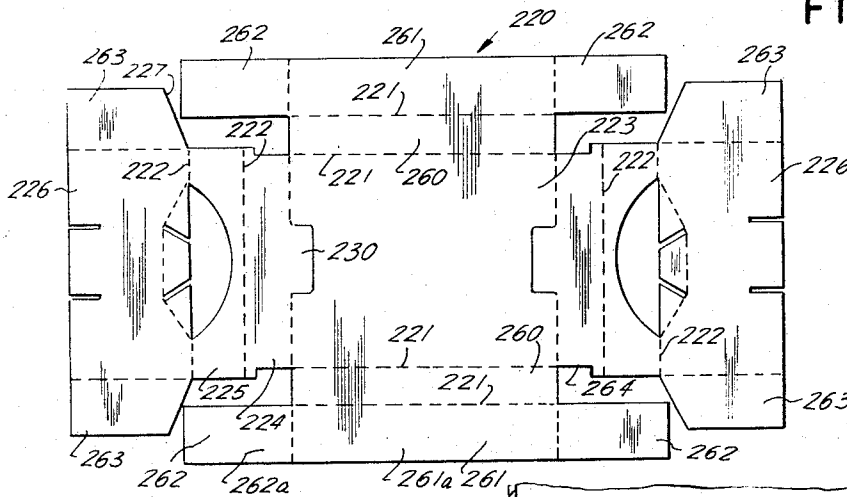


FIG. 12

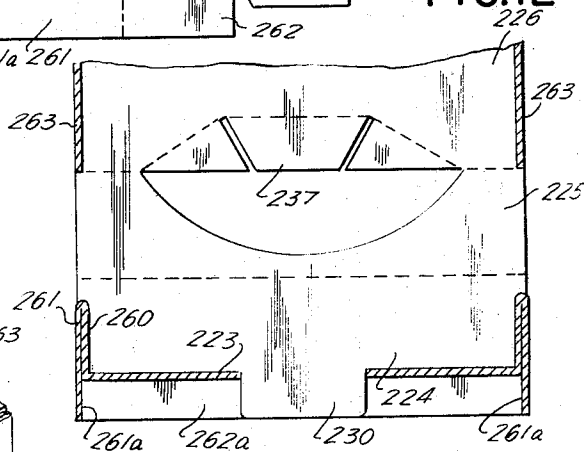


FIG. 10

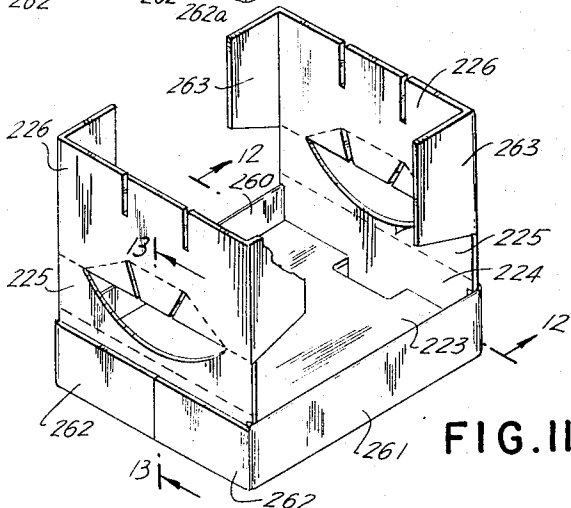
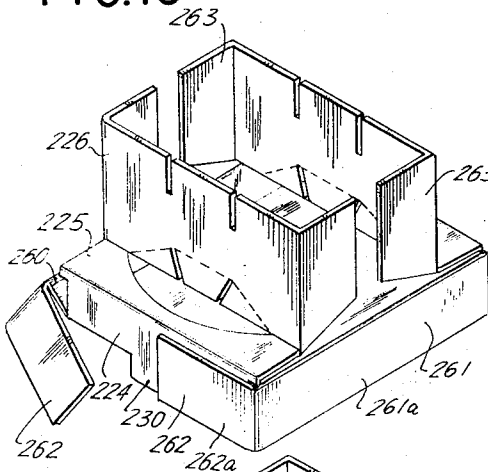
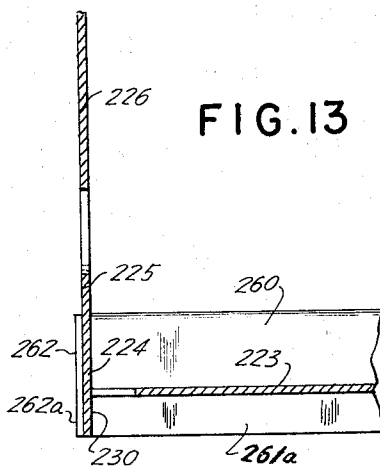


FIG. 11

FIG. 13



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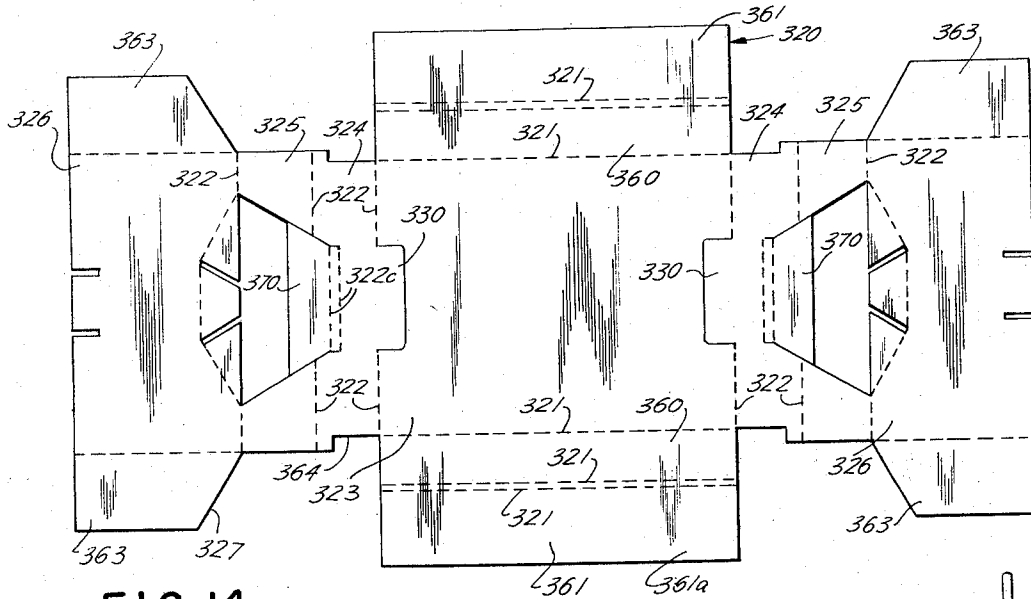


FIG. 14

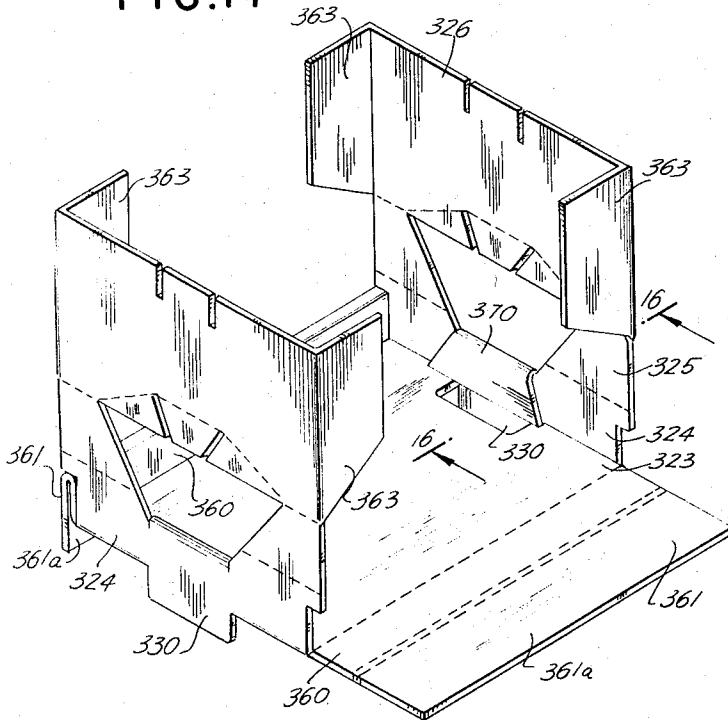


FIG. 15

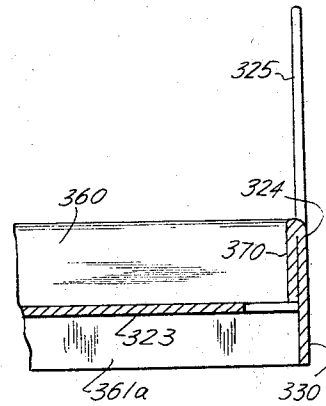


FIG. 16

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3,294,226
CONTAINER

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Filed Sept. 2, 1965, Ser. No. 484,544
23 Claims. (Cl. 206-46)

This invention relates to a container and to packing inserts therefor and, more particularly, to a container having a packing insert for a frangible article positioned therein.

This application is a continuation-in-part of our co-pending application, Serial No. 445,672, filed April 5, 1965, now abandoned.

It is a principal object of this invention to provide a packing insert for a container adapted to support and cushion a frangible article.

A further object of this invention is to provide a packing insert for a container which is formed from a flat one-piece blank which is simple in construction and economical to manufacture.

A further object is to provide a packing insert for a container which is formed from a flat one-piece blank of foldable sheet material, such as corrugated paperboard, and which can be set-up without the use of extraneous means, such as glue or staples.

Another object is to provide a packing insert for a container having means to space an article positioned within the container from the side walls and from the top and bottom of the container.

A further object is to provide a packing insert for a container having means to lock the insert in position within the container.

Another object is to provide an insert for a container which is adapted to cushion and support a frangible article, such as a television picture tube having a base portion integral with a relatively smaller neck portion.

Other objects and advantages will become apparent from the following description and drawings, in which:

FIG. 1 is a plan view of a blank from which a packing insert of the present invention is made;

FIG. 2 is a plan view of a blank from which a container of the present invention is made;

FIG. 3 is a perspective view showing an insert formed from the blank of FIG. 1 and showing a container formed from the blank of FIG. 2, with the insert in position to be inserted into the container;

FIG. 4 is a perspective view showing an article (in the form of a television picture tube) positioned within the container of FIG. 3 (with parts broken away for clarity);

FIG. 5 is a fragmentary perspective view showing the article, the insert, and the container of FIG. 4, with one of the top flaps of the container in its closed position;

FIG. 6 is an end sectional view showing the article, the insert and the container of FIG. 5, with both of the top flaps in position to close the container;

FIG. 7 is a sectional view taken along line 7-7 of FIG. 6;

FIG. 8 is a sectional view taken along line 8-8 of FIG. 7;

FIG. 9 is a plan view of a blank from which a first modification of the packing insert of the present invention is made;

FIG. 10 is a perspective view showing an insert formed from the blank of FIG. 9;

FIG. 11 is a perspective view (with parts broken away) showing the insert of FIG. 10 with parts in extended position;

FIG. 12 is a sectional view taken along line 12-12 of FIG. 11;

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FIG. 13 is a sectional view taken along line 13-13 of FIG. 11;

FIG. 14 is a plan view of a blank from which a second modification of the packing insert of the present invention is made;

FIG. 15 is a perspective view showing a partly folded insert formed from the blank of FIG. 14; and,

FIG. 16 is a sectional view taken along line 16-16 of FIG. 15.

Referring to the drawings, the container C, as shown most clearly in FIG. 3, is formed from a flat one-piece blank 1 (FIG. 2) of suitable sheet material, preferably corrugated paperboard. It may also be constructed from other materials, such as heavy paper or paperboard, depending upon the requirements of use.

The blank 1 has horizontal fold lines 2, vertical fold lines 3, and slits 4 which define side wall panels 5, bottom flaps 6, top flaps 7, top flap extensions 8, and an attaching flap 9 for forming a manufacturer's joint when forming the blank into the container.

Means are provided to lock a packing insert, the structure of which is to be described, in position within the container C, in the form of slots 10 in the top flap extensions 8a and 8b. Slots 10 extend inwardly from the lower edges 8e of the extensions 8a and 8b and approximately one-half way therethrough; and the ends of the slots may be tapered or beveled so that they may be mated with similar slots formed in the packing insert to lock the insert in position within the container.

The insert I, as shown most clearly in FIG. 3, is formed from a flat one-piece blank 20 (FIG. 1) of suitable sheet material, preferably corrugated paperboard of the type used in forming the blank 1 (FIG. 2).

The blank 20 has horizontal fold lines 21 and vertical fold lines 22 which generally define and hingedly connect parts including an article bottom support and cushioning panel 23, first article support and cushioning panels 24, second article support and cushioning panels 25, third article support and cushioning panels 26, first article spacer members 29, second article spacer members 30, and third article spacer members 31. The blank 20 is cut away, as at 27, to further define the parts and is provided with means defining article positioning elements 32, in the bottom panel 23, in the form of U-shaped slits 28. Similar slits 28 in the bottom panel define the second members 30.

Each of the article positioning elements 32 is provided with means defining a finger opening, in the form of a cut-out 33, to enable the elements to be easily grasped when folding them perpendicularly to the bottom panel 23.

Each of the second panels 25 and each of the third panels 26 is provided with means defining an article receiving and positioning opening, along the vertical fold lines 22a, in the form of a semi-elliptical cut-out 34, a vertical fold line 22b, diagonal fold lines 35 and angular slots 36 which define a plurality of movable flap projections 37, for a purpose to be further described.

Means are provided to lock the insert in position within the container C, in the form of slots 38 in the third panels 26. Slots 38 extend inwardly from the upper edges 26e of the third panels and for approximately the same depth as that of the slots 10 in the top flap extensions 8a and 8b of the container C and the ends of the slots may be beveled so that the slots 38 may easily be mated with the slots 10 when locking the insert in position within the container.

To assemble the insert I from the blank of FIG. 1, the blank 20 is folded along the horizontal and vertical fold lines 21 and 22 and into the relationships as shown in FIG. 3. Thus folded, the first panels 24 are positioned perpendicularly to the bottom panel 23; the second panels 25 are positioned perpendicularly to the first panels 24

and substantially parallel to the bottom panel 23; the third panels 26 are positioned perpendicularly to the second panels 25; the first and second spacer members 29 and 30 are positioned perpendicularly to and extend downwardly from the bottom panel 23, the third spacer members 31 are positioned perpendicularly to and extend outwardly from the third panels 26 and the article positioning elements 32 are positioned perpendicularly to and extend upwardly from the bottom panel 23.

To assemble the container C from the blank of FIG. 2, the blank 1 is folded along the horizontal and vertical fold lines 2 and 3 and into the relationships as shown in FIG. 3. Thus folded, the side wall panels 5 are positioned perpendicularly to each other and to the attaching flap 9 and the bottom flaps 6 are positioned perpendicularly to the side panels 5, where they are secured in place by an appropriate means, such as glue, staples, or tape (not shown).

In a preferred embodiment, the insert I is adapted to support and cushion a frangible article A, such as a television picture tube. Such picture tube generally consists of a base portion 51 integral with a relatively smaller neck portion 52.

Preferably, the article A is positioned within the insert I prior to the assembly of the insert. To accomplish this, the elements 32 are grasped by the thumb and forefinger through cut-outs 33 and folded perpendicularly to the bottom panel 23 and the article A is positioned on the panel and between the elements 32. The first, second and third panels 24, 25, and 26 are then folded around the article A and into the relationships as shown in FIG. 4, with parts of the base portion 51 of the article A projecting through the openings in the second and third panels 25 and 26 and with the projections 37 in abutting contact with parts of such base portion 51, as shown in FIGS. 4 and 6. It should be observed that the top of the neck portion 52 of the article A is positioned below the upper edges of the third panels 26 and that the second and third panels 25 and 26 and the projections 37 abutting against the base portion 51 provide a hold-down means to lock the article A within the insert I.

The insert I with the article A therewithin is then positioned within the container C and top flaps 7 are folded perpendicularly to the side wall panels 5 to close the container.

To lock the insert I in position within the container, the top flap extensions 8a and 8b are folded perpendicularly to the top flaps 7 and the downwardly extending slots 10 in the extensions are inserted into the upwardly extending slots 38 in the third panels 26 of the insert I to interlock the parts together.

It is important to observe that the top flap extensions 8a and 8b of the container, thus interlocked with the third panels 26 of the insert, serve not only to lock the insert in position within the container but also serve as fourth support and cushioning panels inasmuch as they are positioned closely adjacent or in abutting contact with parts of the neck portion 52 of the article A, as shown most clearly in FIG. 8.

It is also important to observe that the third panels 26 also serve a multiple function; i.e., they cushion and support the article A, and help to lock it in position within the insert and, since the height of the article is less than the height of the third panels, they space the article from the top of the container.

Referring particularly to FIGS. 4 through 8, it will be seen that the bottom panel 23 and the first, second and third panels 24, 25 and 26 of the insert together with the top flap extensions 8a and 8b of the container support and cushion the article A; that the second and third panels 25 and 26 and the projections 37 of the insert lock the article in position within the insert; that the first, second and third spacer members 29, 30 and 31 of the insert together with the third panels 26 of the insert space the article from the side walls and from the top and bottom

of the container; and, that the interlocking of the top flap extensions 8a and 8b of the container with the third panels 26 of the insert lock the insert in position within the container.

To remove the article from the container, the user need merely to grasp the third panels 26 of the insert (through the handholds, as shown, if desired) and lift it and the article within it from the container, in a manner well known in the art.

It is within the scope of this invention to position the third spacer members 31 perpendicularly to and extending inwardly, rather than outwardly, from the third panels 26. Thus positioned, the members 31 serve a cushioning function rather than a spacing function; the spacing function being taken up by the third panels 26 due to their being interlocked with the top flap extensions 8a and 8b of the container to lock the insert in position within the container and thereby to space the article A from the side walls 5a of the container.

Further, by positioning the third members 31 inwardly, it makes it possible to move the second and third panels 25 and 26 and the projections 37 of the insert toward the side walls 5a of the container and to thereby "unlock" or release the article A so that it may be removed from the container without having also to remove the insert from the container.

A modification I' of the insert is shown in FIGS. 9 through 13. It is identical to the insert I with the exceptions to be further described.

The insert I', as shown most clearly in FIG. 11, is formed from a flat one-piece blank 220 (FIG. 9) of suitable sheet material, preferably corrugated paperboard of the type used in forming the blank 20 (FIG. 1).

The blank 220 has horizontal fold lines 221 and vertical fold lines 222 which generally define and hingedly connect parts including an article bottom support and cushioning panel 223, first, second, third, and fourth article support and cushioning panels 224, 225, 226 and 260, first, second, and third article cushioning elements 261, 262, and 263, and first, second, and third article spacer members 261a, 230, and 262a. The blank 220 is cut away, as at 227 and 264, to further define the parts.

Each of the second and third panels 225 and 226 is provided with means defining an article receiving and positioning opening and means are provided to lock the insert in position within the container C, each identical to the like means in insert I.

To assemble the insert I' from the blank of FIG. 9, the blank 220 is folded along the horizontal and vertical fold lines 221 and 222 and into the relationships as shown in FIG. 10. Thus folded, the first and fourth panels 224 and 260 are positioned perpendicularly to the bottom panel 223, the second panels 225 perpendicularly to the first panels 224, the third panels 226 perpendicularly to the second panels 225, the first elements 261 perpendicularly to the bottom panel 223 and in abutting contact with the fourth panels 260, the second elements 262 perpendicularly to the first elements 261 and in abutting contact with the first panels 224, the third elements 263 perpendicularly to the third panels 226 and extending inwardly therefrom, and the first, second, and third spacer members 261a, 230, and 262a are positioned perpendicularly to extend downwardly from the bottom panel 223.

Referring to the drawings, it will be seen that the bottom panel 223 and the first, second, third, and fourth panels 224, 225, 226 and 260 of the insert together with the top flap extensions 8a and 8b of the container support and cushion the article A; that the first, second, and third elements 261, 262, and 263 cushion the article A; that the first, second, and third spacer members 261a, 230, and 262a of the insert together with the third panels 226 of the insert and the extensions 8a and 8b of the container space the article from the side walls and top and bottom of the container; that the

second and third panels 225 and 226 and the projections 237 of the insert lock the article A in position within the insert; and, that the extensions 8a and 8b of the container together with the third panels 226 of the insert lock the insert in position within the container.

It is important to observe that the first and fourth panels 224 and 260 and the first and second elements 261 and 262 in the assembled insert provide two thicknesses of corrugated board to cushion the tube around the perimeter of its base portion 51 and adjacent each of the side walls of the container and that the second and third members 230 and 262a provide two thicknesses of corrugated board on two sides of the insert to space the insert and article therewithin from the bottom of the container. Thus strengthened and reinforced, this modification of the insert of the invention is adapted to support and cushion the larger and heavier television tubes.

To remove the article from the container, the user need merely to grasp the third panels 226 of the insert and move them from their positions, as shown in FIG. 10, in an upward and outward direction toward the side walls 5a of the container (see FIG. 4) and until the second panels 225 are in a substantially planar relationship with the first and third panels 224 and 225, as shown in FIG. 11. This moves the panels 225 and 226 and the projections 237 from their positions overlying and contacting the base portion 51 of the article so that it may be removed from the container without having also to remove the insert from the container.

A second modified insert 1", as shown in FIGS. 14, 15, and 16, is formed from a flat one-piece blank 320 (FIG. 14) of suitable sheet material, preferably corrugated paperboard of the type used in forming the blank 20 (FIG. 1).

The blank 320 has horizontal fold lines 321 and vertical fold lines 322 which generally define and hingedly connect parts including an article bottom support and cushioning panel 323, first, second, third, and fourth article support and cushioning panels 370, 325, 326, and 360, first, second, and third article cushioning elements 361, 324 and 363 and first and second article spacer members 361a and 330. The blank 320 is cut away, as at 327 and 364, to further define the parts.

Each of the second and third panels 325 and 326 is provided with means defining an article receiving and positioning opening and each of the second elements 324 is provided with vertical fold lines 322c to further define the first panels 370, for a purpose to be further described.

Referring particularly to FIGS. 15 and 16, it will be seen that the bottom panel 323 and the first, second, third, and fourth panels 370, 325, 326, and 360 of the insert together with the top flap extensions 8a and 8b of the container support and cushion the article; that the first, second, and third elements 361, 324 and 363 of the insert cushion the article; that the first and second members 330 and 361a of the insert together with the third panels 326 of the insert and the extensions 8a and 8b of the container space the article from the side walls and from the top and bottom of the container; that the second and third panels 325 and 326 and the projections 337 of the insert lock the article in position within the insert; and, that the extensions 8a and 8b of the container together with the third panels 326 of the insert lock the insert in position within the container.

It is important to observe that the first and fourth panels 370 and 360 and the first and second elements 361 and 324 in the assembled insert provide two thicknesses of corrugated paperboard to cushion the television tube adjacent all of the side walls 5 of the container. The first panels 370 also are adapted to protect a metal mounting frame sometimes attached to the television tube (not shown).

To remove the article from the container, the user need merely to grasp the insert and move it out of the way and to lift the television tube from the container.

What is claimed is:

1. A one-piece blank of sheet material foldable to form a packaging insert, said blank having horizontal fold lines and vertical fold lines which generally define and hingedly connect parts of said insert, said parts including an article bottom support and cushioning panel, first article support and cushioning panels each connected to an edge of said bottom panel by a said vertical fold line, second article support and cushioning panels each connected to an edge of said first panels by a said vertical fold line, third article support and cushioning panels each connected to an edge of said second panels by a said vertical fold line, first article spacer members each connected to an edge of said bottom panel by a said horizontal fold line, second article spacer members each connected to a said edge of said bottom panel by a said vertical fold line and each of said second panels and each of said third panels having means defining an article receiving and positioning opening at a said vertical fold line.

2. The blank as set forth in claim 1, said blank having third article spacer members each connected to an edge of said third panels by a said horizontal fold line.

3. The blank as set forth in claim 1, said blank being cut away to further define said parts and having means defining article positioning elements in said bottom panel in the form of U-shaped slits.

4. In the blank as set forth in claim 1, each of said third panels having means defining slots extending inwardly from its upper edge.

5. In the blank as set forth in claim 1, each of said means defining a said opening consisting of a semi-elliptical cut-out, a vertical fold line, diagonal fold lines, and angular slots, said cut-out, said fold line, said fold lines and said slots further defining a plurality of movable flap projections.

6. The blank as set forth in claim 1, said blank having cushioning members each connected to an edge of said third panels by a said horizontal fold line.

7. In combination, a container and a packaging insert formed from a one-piece blank of foldable sheet material, said insert having horizontal fold lines and vertical fold lines which generally define and hingedly connect parts of said insert, said parts including an article bottom support and cushioning panel, first article support and cushioning panels each connected to an edge of said bottom panel by a said vertical fold line, second article support and cushioning panels each connected to an edge of said first panels by a said vertical fold line, third article support and cushioning panels each connected to an edge of said second panels by a said vertical fold line, first article spacer members each connected to an edge of said bottom panel by a said horizontal fold line, second article spacer members each connected to a said edge of said bottom panel by a said vertical fold line, third article spacer members each connected to an edge of said third panels by a said horizontal fold line and each of said second panels and each of said third panels having means defining an article receiving and positioning opening at a said vertical fold line, said first panels being folded perpendicularly to said bottom panel and extending upwardly therefrom, said second panels being folded perpendicularly to said first panels and extending inwardly therefrom, said third panels being folded perpendicularly to said second panels and extending upwardly therefrom, said first and second members being folded perpendicularly to said bottom panel and extending downwardly therefrom, said third members being folded perpendicularly to said third panels and extending outwardly therefrom and said insert being positioned within said container.

8. In the combination as set forth in claim 7, said container having side wall panels and top and bottom flaps, each said third panels of said insert having means defining slots extending inwardly from its upper edge, each of said top flaps of said container including a top flap extension, two of said top flap extensions each having

means defining slots extending inwardly from its lower edge, said two of said top flap extensions being folded perpendicularly to said third panels and transversely thereof and said slots in said two of said top flap extensions being tucked into said slots in said third panels.

9. In combination, a container and a packaging insert formed from a one-piece blank of foldable sheet material, said insert having horizontal fold lines and vertical fold lines which generally define and hingedly connect parts of said insert, said parts including an article bottom support and cushioning panel, first article support and cushioning panels each connected to an edge of said bottom panel by a said vertical fold line, second article support and cushioning panels each connected to an edge of said first panels by a said vertical fold line, third article support and cushioning panels each connected to an edge of said second panels by a said vertical fold line, first article spacer members each connected to an edge of said bottom panel by a said horizontal fold line, second article spacer members each connected to a said edge of said bottom panel by a said vertical fold line, cushioning members each connected to an edge of said third panels by a said horizontal fold line and each of said second panels and each of said third panels having means defining an article receiving and positioning opening at a said vertical fold line, said first panels being folded perpendicularly to said bottom panel and extending upwardly therefrom, said second panels being folded perpendicularly to said first panels and extending inwardly therefrom, said third panels being folded perpendicularly to said second panels and extending upwardly therefrom, said first and second members being folded perpendicularly to said bottom panel and extending downwardly therefrom, said cushioning members being folded perpendicularly to said third panels and extending inwardly therefrom and said insert being positioned within said container.

10. In the combination as set forth in claim 9, said container having side wall panels and top and bottom flaps, each said third panels of said insert having means defining slots extending inwardly from its upper edge, each of said top flaps of said container including a top flap extension, two of said top flap extensions each having means defining slots extending inwardly from its lower edge, said two of said top flap extensions being folded perpendicularly to said third panels and transversely thereof and said slots in said two of said top flap extensions being tucked into said slots in said third panels.

11. In combination, a container, a packaging insert and an article, said article consisting of a base portion integral with relatively smaller neck portion, said insert having horizontal fold lines and vertical fold lines which generally define and hingedly connect parts of said insert, said parts including an article bottom support and cushioning panel, first article support and cushioning panels each connected to an edge of said bottom panel by a said vertical fold line, second article support and cushioning panels each connected to an edge of said first panels by a said vertical fold line, third article support and cushioning panels each connected to an edge of said second panels by a said vertical fold line, first article spacer members each connected to an edge of said bottom panel by a said horizontal fold line, second article spacer members each connected to a said edge of said bottom panel by a said vertical fold line, third article spacer members each connected to an edge of said third panels by a said horizontal fold line and each of said second panels and each of said third panels having means defining an article receiving and positioning opening at a said vertical fold line, said first panels being folded perpendicularly to said bottom panel and extending upwardly therefrom, said second panels being folded perpendicularly to said first panels and extending inwardly therefrom, said third panels being folded perpendicularly to said second panels and extending upwardly therefrom, said first and second members being folded perpendicularly to said bottom panel and

extending downwardly therefrom, said third members being folded perpendicularly to said third panels and extending outwardly therefrom, said base portion of said article being positioned upon said bottom panel of said insert and with parts of said base portion being positioned in each of said openings and said insert being positioned within said container.

12. In the combination as set forth in claim 11, said container having side wall panels and top and bottom flaps, each of said top flaps of said container including a top flap extension, two of said top flap extensions each having means defining slots extending inwardly from the lower edge thereof, each of said third panels of said insert having means defining slots extending inwardly from the upper edge thereof, said two of said top flap extensions being folded perpendicularly to said third panels and transversely thereof and said slots in said two of said top flap extensions being interlocked with said slots in said third panels.

13. In the combination as set forth in claim 11, the upper edge of said neck portion of said article being positioned below the said upper edge of said third panels.

14. In combination, a container, a packaging insert and an article, said article consisting of a base portion integral with relatively smaller neck portion, said insert having horizontal fold lines and vertical fold lines which generally define and hingedly connect parts of said insert, said parts including an article bottom support and cushioning panel, first article support and cushioning panels each connected to an edge of said bottom panel by a said vertical fold line, second article support and cushioning panels each connected to an edge of said first panels by a said vertical fold line, third article support and cushioning panels each connected to an edge of said second panels by a said vertical fold line, first article spacer members each connected to an edge of said bottom panel by a said horizontal fold line, second article spacer members each connected to a said edge of said bottom panel by a said vertical fold line, cushioning members each connected to an edge of said third panels by a said horizontal fold line and each of said second panels and each of said third panels having means defining an article receiving and positioning opening at a said vertical fold line, said first panels being folded perpendicularly to said bottom panel and extending upwardly therefrom, said second panels being folded perpendicularly to said first panels and extending inwardly therefrom, said third panels being folded perpendicularly to said second panels and extending upwardly therefrom, said first and second members being folded perpendicularly to said bottom panel and extending downwardly therefrom, said cushioning members being folded perpendicularly to said third panels and extending inwardly therefrom, said base portion of said article being positioned upon said bottom panel of said insert and with parts of said base portion being positioned in each of said openings and said insert being positioned within said container.

15. In the combination as set forth in claim 14, said container having side wall panels and top and bottom flaps, each of said top flaps of said container including a top flap extension, two of said top flap extensions each having means defining slots extending inwardly from the lower edge thereof, each of said third panels of said insert having means defining slots extending inwardly from the upper edge thereof, said two of said top flap extensions being folded perpendicularly to said third panels and transversely thereof and said slots in said two of said top flap extensions being interlocked with said slots in said third panels.

16. In the combination as set forth in claim 14, the upper edge of said neck portion of said article being positioned below the said upper edge of said third panels and with parts of said second panels and with parts of said third panels being in abutting contact with parts of said base portion of said article.

17. In the combination as set forth in claim 16, wherein removing said article positioned within said insert positioned within said container from said container without having to remove said insert from said container whereby moving said parts of said second panels and said parts of said third panels out of abutting contact with parts of said base portion of said article and into substantially planar positions with the adjacent said side wall panels of said container to thereby unlock said article and of lifting said article from said insert and from said container.

18. A one-piece blank of sheet material foldable to form a packaging insert, said blank having horizontal fold lines and vertical fold lines which generally define and hingedly connect parts of said insert, said parts including an article bottom support and cushioning panel, first article support and cushioning panels each connected to an edge of said bottom panel by a said vertical fold line, second article support and cushioning panels each connected to an edge of said first panels by a said vertical fold line, third article support and cushioning panels each connected to an edge of said second panels by a said vertical fold line, fourth article support and cushioning panels each connected to an edge of said bottom panel by a said horizontal fold line, first article spacer members each connected to an edge of said fourth panels by a said horizontal fold line, second article spacer members each connected to a said edge of said bottom panel by a said vertical fold line and each of said second panels and each of said third panels having means defining an article receiving and positioning opening at a said vertical fold line.

19. The blank of claim 18, said blank further having first article cushioning elements each connected to an edge of said fourth panels by a said horizontal fold line, second article cushioning elements each connected to an edge of said first elements by a said vertical fold line, third article cushioning elements each connected to an edge of said third panels by a said horizontal fold line and third article spacer members each connected to a said edge of said first elements by a said vertical fold line.

20. An insert formed from the blank of claim 19, said first and fourth panels being folded perpendicularly to said bottom panel and extending upwardly therefrom, said second panels being folded perpendicularly to said first panels and extending inwardly therefrom, said third panels being folded perpendicularly to said second panels and extending upwardly therefrom, said first elements being folded perpendicularly to said bottom panel and into abutting contact with said fourth panels, said second elements being folded perpendicularly to said first elements and into abutting contact with said first panels, said third elements being folded perpendicularly to said third panels and extending inwardly therefrom, and said first, second, and third spacer members being folded perpendicularly to and extending downwardly from said bottom panel.

21. A one-piece blank of sheet material foldable to form a packaging insert, said blank having horizontal fold lines and vertical fold lines which generally define and hingedly connect parts of said insert, said parts including an article bottom support and cushioning panel, second cushioning elements each connected to an edge of said bottom panel by a said vertical fold line, first article support and cushioning panels each connected to said second elements by a said vertical fold line, second article support and cushioning panels each connected to an edge of said second elements by a said vertical fold line, third article support and cushioning panels each connected to an edge of said second panels by a said vertical fold line, fourth article support and cushioning panels each connected to an edge of said bottom panel by a said horizontal fold line, first article spacer members each connected to an edge of said fourth panels by a said horizontal fold line, second article spacer members each connected to a said edge of said bottom panel by a said vertical fold line and each of said second panels and each of said third panels having means defining an article receiving and positioning opening at a said vertical fold line.

22. The blank of claim 21, said blank further having first article cushioning elements each connected to an edge of said fourth panels by a said horizontal fold line and third article cushioning elements each connected to an edge of said third panels by a said horizontal fold line.

23. An insert formed from the blank of claim 22, said second elements and said fourth panels being folded perpendicularly to said bottom panel, said second panels being folded perpendicularly to said second elements, said third panels being folded perpendicularly to said second panels, said first elements being folded perpendicularly to said bottom panel and into abutting contact with said fourth panels, said third elements being folded perpendicularly to said third panels and extending inwardly therefrom, and said first members being folded perpendicularly to said fourth panels and extending downwardly therefrom, said second members being folded perpendicularly to said bottom panel and extending downwardly therefrom and said first panels being folded perpendicularly to said bottom panel and into abutting contact with said second elements.

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