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PACKAGE WRAPPER

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FIG. 1

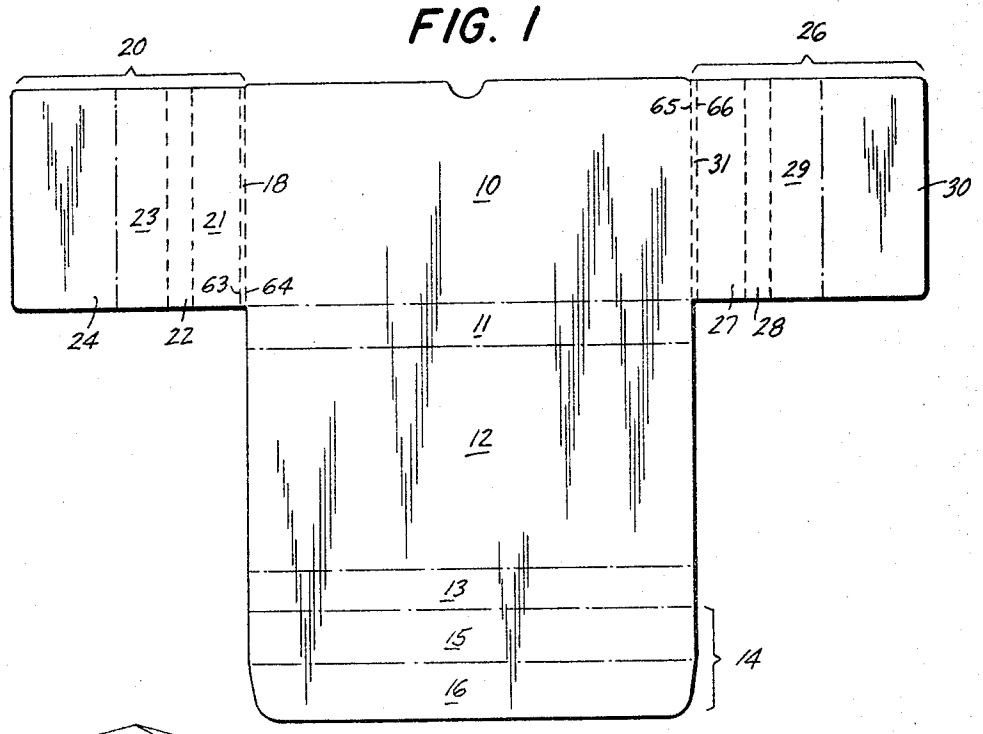
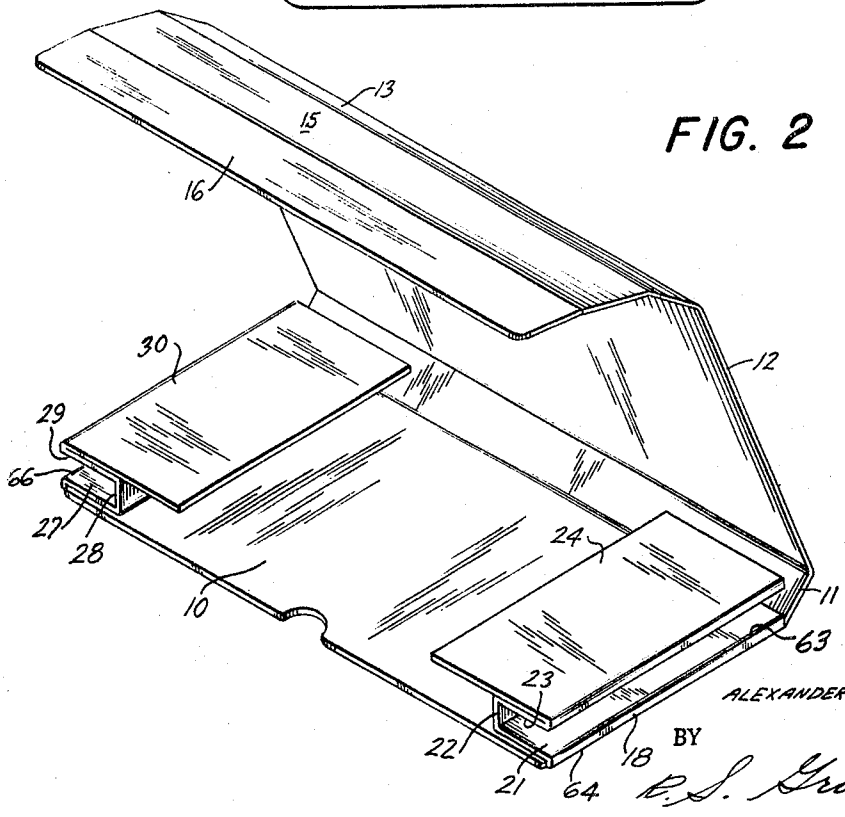


FIG. 2



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FIG. 3

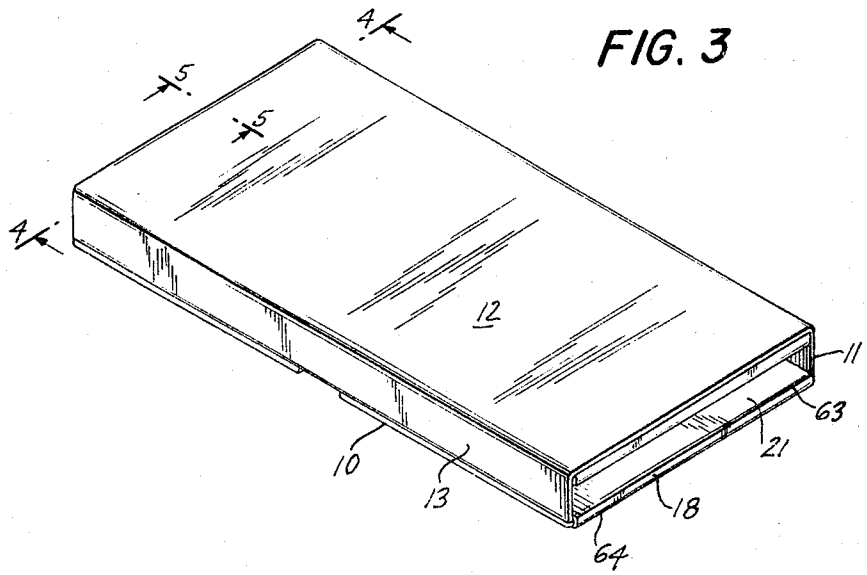


FIG. 4

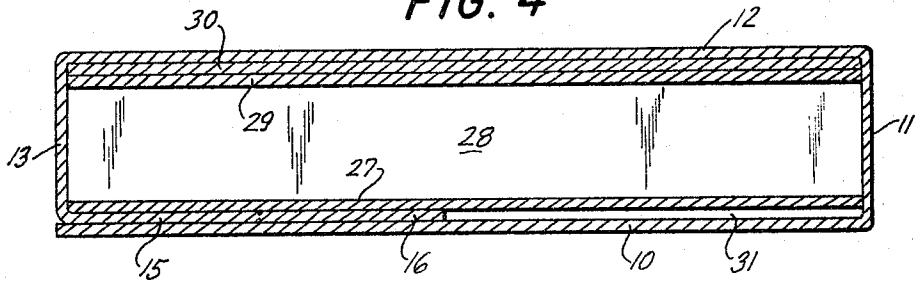
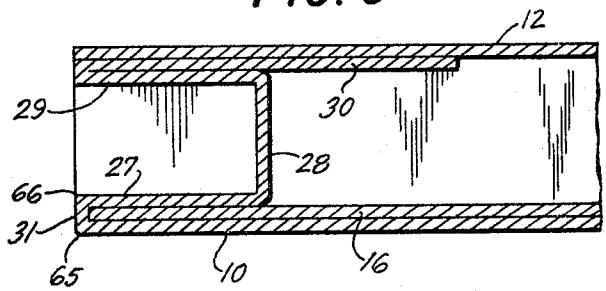


FIG. 5



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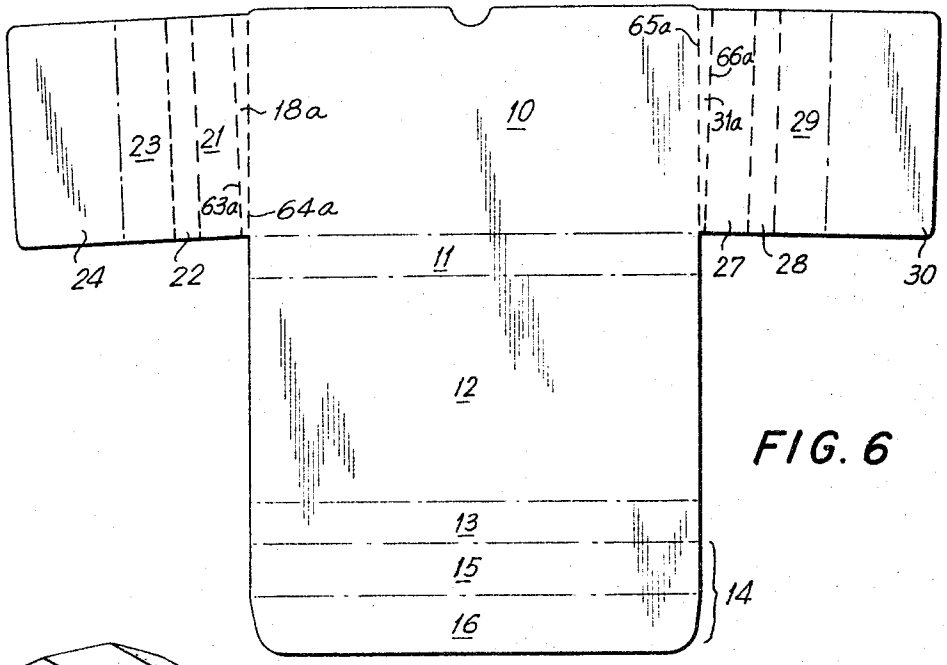


FIG. 6

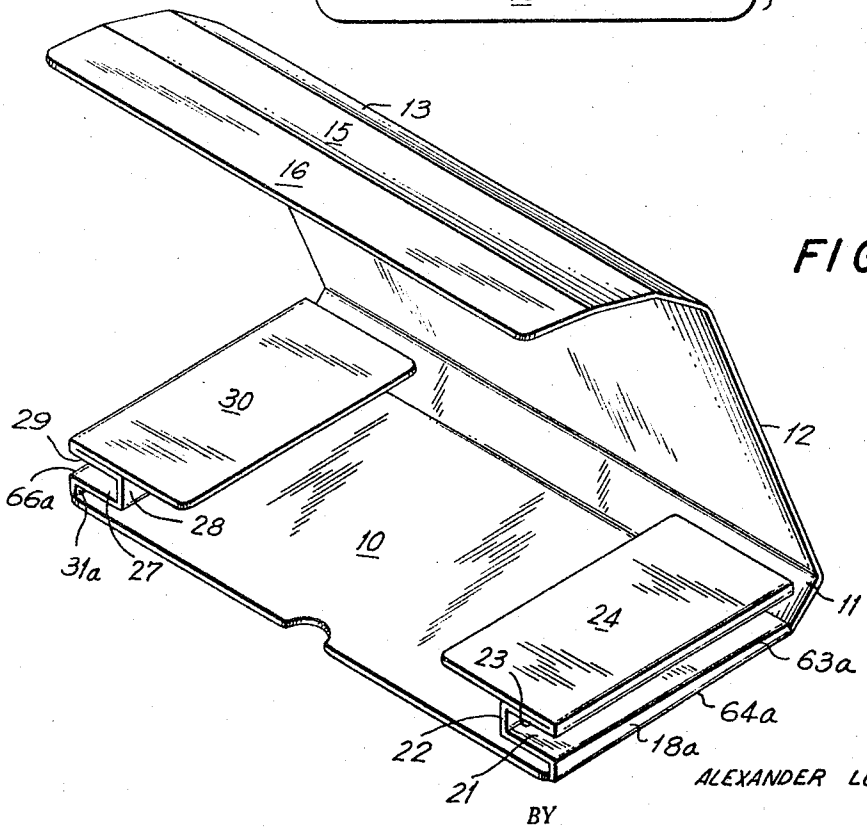


FIG. 7

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PACKAGE WRAPPER

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Filed Mar. 3, 1964, Ser. No. 349,091
2 Claims. (Cl. 229—40)

This invention relates to a package wrapper made from a one piece blank having integral cushion ends.

The invention provides a wrapper which is easily assembled, provides protection to the packaged article and has a tab lock which eliminates the need for taping, gluing, or stapling, when the wrapper is closed.

The construction of the improved package wrapper of my invention provides protection to the packaged article by absorbing shock without damage to the article.

The wrapper is easily assembled with all parts integrally formed from a one-piece blank. The bottom of the wrapper serves as a platform for the packaged article. Other parts of the wrapper are assembled about the packaged article.

FIG. 1 illustrates a blank which is cut and scored to form the wrapper of my invention.

FIG. 2 is a perspective view of a wrapper partially assembled showing cushion end webs.

FIG. 3 is a perspective view of a wrapper completely assembled.

FIG. 4 is a cross section of the wrapper of FIGURE 3 taken along line **4—4**.

FIG. 5 is a cross section view of the wrapper of FIGURE 5, taken along line **5—5**.

FIG. 6 illustrates a blank that forms a different embodiment of my invention for more securely closing the package wrapper.

FIG. 7 is a perspective view of the package wrapper formed from the blank of FIGURE 6.

Referring to the accompanying drawings the preferred embodiment of my invention may be formed from the blank illustrated in FIGURE 1. The blank is cut and scored to form a bottom panel **10**, a first side wall panel **11**, a top panel **12**, a second side wall panel **13**, a tuck tab web **14**, which is scored to form a tuck tab panel **15** and a tuck tab tongue **16**, a pair of cushion end webs **20** and **26** attached at opposite ends of the bottom panel. The end webs are scored to form intermediate panels **18** and **31**, cushion bottom panels **21** and **27**, cushion wall bumper panels **22** and **28**, cushion wall top panels **23** and **29** and overlie flaps **24** and **30**.

The wrapper is assembled as illustrated in FIGURE 2. The cushion bottom panels **21** and **27** are folded over and in apposition with carton bottom panel **10**, cushion wall bumper panels **22** and **28** are then perpendicular to the bottom panel, and in a parallel plane with one another in a spaced relation.

FIGURE 3 illustrates a completely assembled wrapper illustrating the recessed end construction of the wrapper.

The cushion wall top panels **23** and **29** are folded to be substantially parallel to the cushion bottom panels.

FIGURE 4 illustrates a cross section of the assembled wrapper taken along line **4—4** of FIGURE 3. The engagement of the tuck tab web between the bottom panel and the cushion web bottom panel is illustrated in FIGURE 4. The tuck tab is wedged between the spaces and is securely positioned therein. This wedging action keeps the wrapper in a closed position about the packaged

article. The top panel lies in apposition with the cushion web overlie flap, the overlie flap lies in apposition with the cushion web top panel.

FIGURE 5 illustrates a cross section of an assembled wrapper taken along line **5—5** of FIGURE 3. The recessed end construction is illustrated. The superimposed layers of panels provide a very strong recessed end cushion web. The spaced apart cushion wall bumper panels position the packaged article within the wrapper.

The cushioning effect of the end web construction prevents damage to the enclosed article.

The wrapper formed of the blank of FIGURE 1 provides a strong protective package with recessed ends, easily assembled and is securely fastened without tape, glue or staples.

In the blank of a different embodiment of my invention illustrated in FIGURE 6 the pairs of score lines **63*a***, **64*a*** and **65*a***, **66*a*** are not parallel to each other as are the score lines **63**, **64** and **65**, **66** shown in FIGURE 1. Thus, the intermediate panels **18*a*** and **31*a*** in FIGURE 6 are slightly wedge shaped and taper toward the first side wall panel **11** (see FIGURE 7). This provides a wider opening space between the bottom panel **10** and the cushion bottom panels **21** and **27** tapering to a narrower space and thereby tuck tab web **14** is even more securely engaged by the wedging action thus afforded by this embodiment of my invention.

Having thus described my invention, what is claimed is:

1. A self locking package wrapper formed from a one piece paperboard blank comprising:

(a) a bottom panel;

(b) cushion end webs attached at opposite ends of the bottom panel and forming, when folded, a pair of inwardly recessed ends, each of such cushion end webs including

(i) a relatively narrow intermediate panel foldably attached to the bottom panel and extending upwardly therefrom,

(ii) a cushion bottom panel foldably attached to the intermediate panel and extending inwardly therefrom and spaced above the bottom panel by about the thickness of the paperboard blank,

(iii) a cushion wall bumper panel foldably attached to the cushion bottom panel and extending upwardly therefrom at substantially a right angle to the bottom panel and offset from and substantially parallel to the said intermediate panel,

(iv) a cushion top panel foldably attached to the cushion wall bumper panel and extending outwardly therefrom and at a substantial right angle thereto, and

(v) an overlie flap foldably attached to the cushion top panel and extending inwardly of the wrapper and over the said cushion top panel;

(c) a first side wall panel foldably attached to another edge of the bottom panel and extending upwardly therefrom;

(d) a top panel foldably attached to the first side wall panel and overlying the said overlying flaps;

(e) a second side wall panel foldably attached to the top panel and extending downwardly therefrom; and

(f) a tuck tab web foldably attached to the second side wall panel and including a tuck tab tongue, the said tuck tab tongue and the remainder of the said

tuck tab web entering into and being disposed in the space between the said bottom panel and the said cushion bottom panels to form a closed self locking package wrapper.

2. The package wrapper of claim 1 wherein the said intermediate panels are slightly wedge shaped and taper toward the said first side wall panel for more securely engaging the tuck tab web between the bottom panel and the cushion bottom panels.

References Cited by the Examiner

UNITED STATES PATENTS

2,684,758	7/1954	Aquino	229—40 X
2,762,553	9/1956	Bentz	229—40
3,055,574	9/1962	Johnson	229—40

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