Dec. 18, 1934. C. H. BIRD 1,985,075

PACKING CONTAINER FOR VARIOUS ARTICLES

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Fig 1

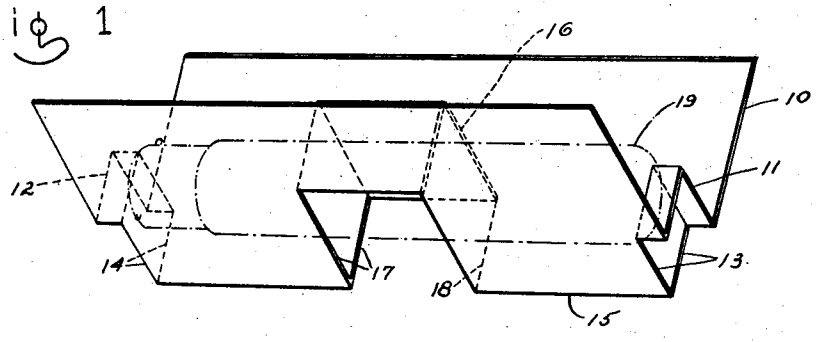


Fig 2

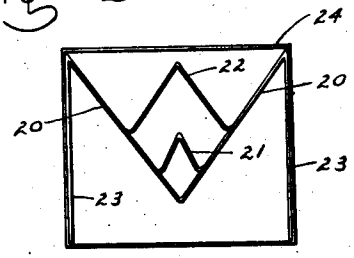
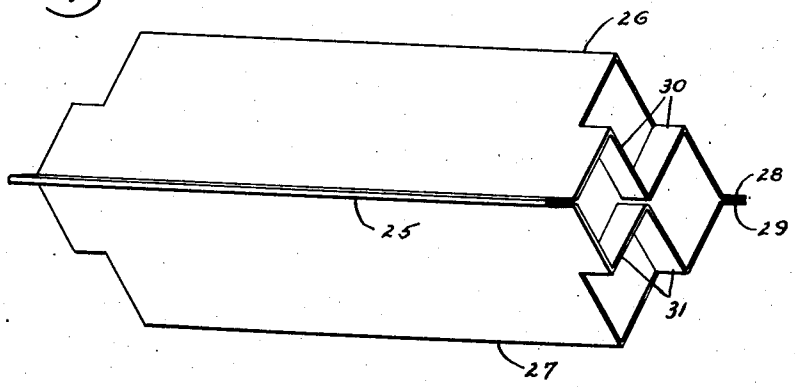


Fig 3



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PACKING CONTAINER FOR VARIOUS ARTICLES

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6 Claims. (Cl. 229—39)

My invention relates to packing containers for various articles and more particularly to such containers for fragile articles such as incandescent lamps, vacuum tubes, and various other electrical devices comprising sealed containers such as glass bulbs.

Objects of my invention are to provide such a container which will be simple in construction yet rugged enough to withstand the shocks of transportation. Other features and advantages of my invention will appear from the following description of species thereof and from the accompanying drawing.

In the drawing, Fig. 1 is a perspective view of a container comprising my invention; Fig. 2 is an end view of another form of my invention; and Fig. 3 is a perspective view of still another form of my invention.

Referring to Fig. 1, the container comprises a sheet of stiff paper 10 bent into a V-shaped section. End stops 11, 12 are provided by cutting transverse slits 13, 14 extending symmetrically on either side of the vertex 15 and folding in the portions 11, 12 between the slits 13, 14 and the ends of the container, substantially as shown. In like manner a strap 16 is provided in the container by slitting said container at 17, 18 and folding in the portion between said slits. For the purpose of inserting or removing the article, shown as a tubular incandescent lamp 19, one of the end stops 11, 12 is moved to an inoperative position and the article 19 is then slipped in through the strap 16 against the opposite stop. Said article 19 is then held firmly between the strap 16 and the sides of the container 10 and is held against displacement along the container by the end stops 11, 12. The V-shaped section and the stops may be formed simultaneously by a single folding operation. If desired, a plurality of pairs of slits may be provided so as to form a plurality of straps 16 within the container, such a construction being especially desirable when the article is of an elongated nature. The straps may then be made of varying lengths so that it is possible to provide a series of straps of progressively increasing length for encasing a pear-shaped article.

Referring to Fig. 2, the container comprises a V-shaped section 20, end stop 21, and strap 22 similar to Fig. 1, but comprises in addition the folded-back extensions 23 of the V section. The folded-back portions or side wings are made of such length as to fit snugly within a carton 24, thus maintaining the article in a floating position therein.

In Fig. 3 a sheet of paper is folded along a longitudinal axis 25, then along another pair of longitudinal axes 26, 27 to form a container of diamond-shaped cross section. The edges 28, 29 are fastened together as by gluing. A pair of end stops 30, 31 are provided at each end as hereinbefore described. The container may, of course, be made of two sheets of material folded at 26 and 27 respectively and fastened together at 25 and at 28, 29. The ribs formed at 25 and at 28, 29 may be used to advantage in spacing the container from the interior of the carton by engaging opposite corners of said carton.

The end stops and straps may, of course be produced by means of separate strips of suitable flexible material secured by gluing instead of the one piece construction shown herein.

What I claim as new and desire to secure by Letters Patent of the United States, is:

1. A container for a fragile article comprising a channel section, straps of progressively increasing length from end to end of said container to hold an article therein and end stops extending between the sides of said channel section to prevent displacement of said article along said channel.

2. A container for a fragile article comprising a channel section, straps to hold an article therein, folded back wing portions to yieldingly support said container in a carton and end stops extending between the sides of said channel section to prevent displacement of said article along said channel.

3. A container for a fragile article comprising a diamond-shaped casing engaging said article, end stops to prevent endwise displacement of said article, and ribs integral with said casing for spacing it from a carton.

4. A container for a fragile article comprising a V-shaped channel section made from stiff paper and having re-entrant end stops formed by displacement of portions of the vertex of said channel section at the longitudinal ends thereof.

5. A container for a fragile article comprising a V-shaped channel section made from stiff paper and having reversed V-shaped end stops formed by displacement of portions of the vertex of said channel section at the longitudinal ends thereof.

6. A container for a fragile article comprising a channel section, a re-entrant strap formed by displacement of a portion of said channel section to hold an article therein and end stops extending between the sides of said channel section to prevent displacement of said article along said channel.

CHARLES H. BIRD.