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PACKAGE FOR ELECTRIC LAMPS OR SIMILAR ARTICLES

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Fig. 1.

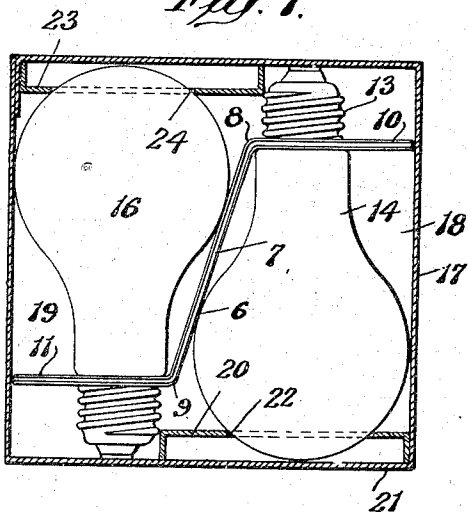


Fig. 2.

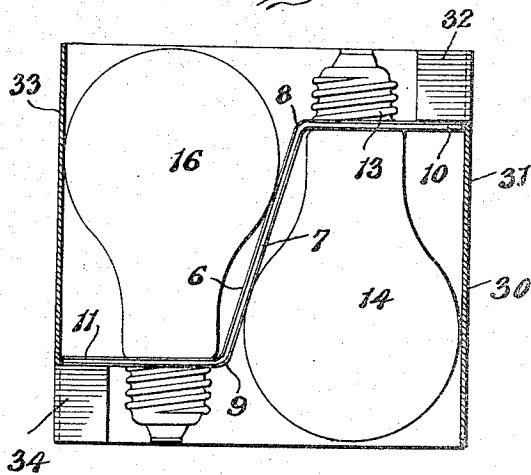


Fig. 3.

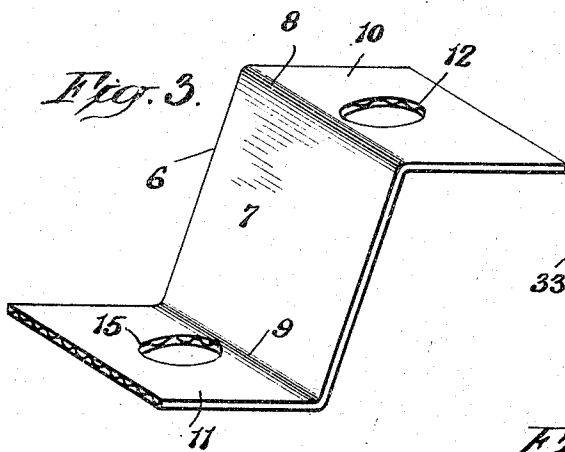


Fig. 4.

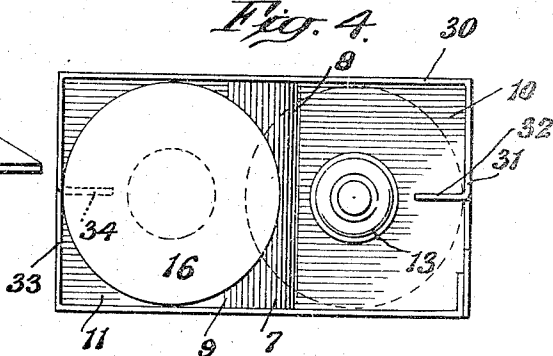
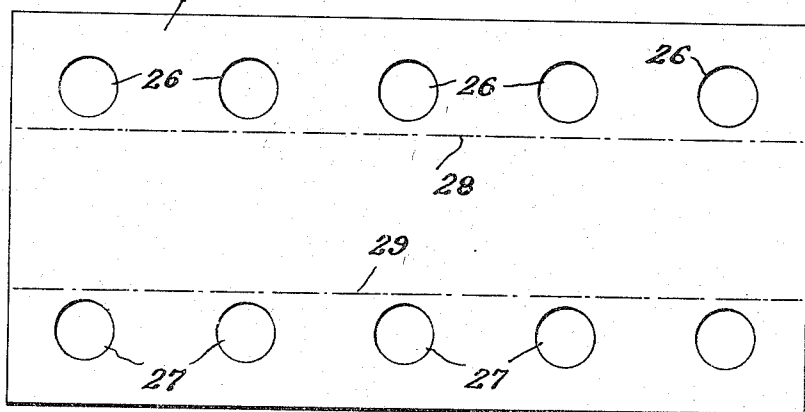


Fig. 5.



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PACKAGE FOR ELECTRIC LAMPS OR SIMILAR ARTICLES

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10 Claims. (Cl. 229-6)

This invention relates to an improvement in packages for electric lamps and similar fragile articles. The object of the invention is to provide a protective package or container for electric lamps or other easily broken articles which will be of inexpensive construction and will afford a maximum of protection for the article.

A further object of the invention is to provide a package of this kind in which the articles may be speedily and securely packed with a minimum of effort and time, and at the same time provide a package which, with a minimum of material, will effectively protect its contents.

Reference is to be had to the accompanying drawing in which Fig. 1 is a sectional view of a box or carton provided with the improved support or holder for several electric lamps; Fig. 2 is a similar sectional view showing a holder for several lamps mounted in a protecting sleeve; Fig. 3 is a perspective view of the strip employed for supporting two electric lamps; Fig. 4 is a plan view of the structure shown in Fig. 2; and Fig. 5 is a plan view of a strip used for supporting a number of lamps.

The supporting strip 6 for the lamps is shown in Fig. 3, where it will be seen that the same consists of corrugated cardboard or similar relatively stiff, light and inexpensive material having a central portion or panel 7, which in the completed package, forms a partition between the lamps held by the strip. The strip 6 is transversely folded or bent along the lines indicated at 8 and 9, these folds being made in opposite directions to produce the laterally projecting flaps 10 and 11. These flaps 10 and 11 project in opposite directions from the partition member or panel 7 of the strip and each of the flaps 10 and 11 is provided with a hole to receive and engage or frictionally retain the threaded base of an electric lamp. The hole in the flap 10, indicated at 12, receives the threaded base 13 of lamp 14 and holds the lamp so that the glass envelope thereon is directed downwardly and the lamp is suspended below the flap 10. The flap 11 is provided with hole 15 receiving the threaded base on lamp 16 and holds the said lamp in an upright or standing position, and thus disposed opposite to that shown at 14. When the two lamps are held by the respective flaps 10 and 11, they are oppositely disposed as clearly shown in Fig. 1 and are separated by the panel 7 of the strip 6, said panel forming a partition between the lamps and protecting the same from one another.

In use, the strip 6 is placed in a protective

container or carton of corrugated or other cardboard, as shown in Fig. 1 at 17, and when so placed, it will serve to divide the box or carton into the two compartments 18 and 19, in which the lamps 14 and 16 are respectively located. Within the carton, the lamp 16 extends upwardly and the lamp 14 is directed downwardly with the protective partition 7 located between them. To prevent any possible shifting of the lamps, it may be found desirable to utilize an additional protective spacing member for them. One of these spacing members is shown at 20 and the same consists of a channel-shaped section or piece of cardboard having its sides resting on the bottom 21 of the carton or container 17, and provided with an aperture 22 in which the end of the glass envelope of the lamp 14 seats. Similarly, the upper end of the box is provided with a protective strip 23, apertured at 24 to receive the upper end of the lamp 16.

When the elements of the package are in the positions shown in Fig. 1, it will be seen that the oppositely disposed lamps are securely held and protected.

In the description of the structures of Figs. 1 and 3, the use of a strip 6 of sufficient length and width to accommodate two lamps has been mentioned. It will be obvious that a strip of any suitable length may be utilized to accommodate as many lamps as desired, together with a properly sized carton or container to receive it. For example, in Fig. 5 a strip 25 is shown provided with a row of uniformly spaced apertures 26 near one of its longitudinal edges. A similar row of apertures 27 is provided adjacent to the opposite longitudinal edge of the strip. To place said strip in operative position, it is folded on the lines 28 and 29 as described in respect to strip 6, and the resultant folded member will accommodate ten lamps. The strip employed for holding the lamps may thus be of any suitable length to accommodate the required number of lamps, or the lamps may be placed in a continuous strip by machine and the loaded strip cut into required lengths, and when used in the manner described with respect to the structure of Fig. 1 a simple, yet very effective protective package for a number of lamps results.

In the structure of Fig. 2 the outer protective container, instead of being a box or carton as shown at 17 in Fig. 1, is a sleeve 30. Said sleeve may be made of corrugated cardboard or any other suitable material and is arranged to enclose one of the strips 6 accommodating two lamps. To hold the strip 6 properly folded within the

sleeve 30, the side wall 31 of the sleeve is cut into produce an inwardly projecting tab 32 which overlies the flap 10 and prevents it from rising or swinging upwardly out of the adjacent end of the sleeve. Similarly the wall 33, located diametrically opposite to wall 31, is provided at its lower end with an inwardly bent tab 34 serving as an abutment for flap 11 and preventing said flap from folding downwardly and out of the opposite end of the sleeve.

Through the arrangement shown in Figs. 2 and 4, and just described, two or more lamps in oppositely disposed relationship may be securely held in a protective sleeve, yet have their bases accessible for testing without requiring their removal from the sleeve, or from the supporting strip located within the sleeve.

While I have described the outer container for the lamp-holding strip as being in the form of a protective sleeve or carton, it will be obvious that it may be in various other forms to suit different packing requirements without departing from the spirit of the invention.

What I claim is:

1. In a package for electric lamps or similar articles, a strip having end flaps extending in opposite directions from the center portion of the strip, said end flaps being apertured to receive and hold the bases of the lamps whereby a lamp received and held by one of the flaps extends in a direction opposite to that held by the other flap, said center portion of the strip extending between and connecting the flaps and forming a partition between the lamps and an enclosure for the strip and lamps held by it.

2. In a package for electric lamps or similar articles, a card-board strip folded near its opposite ends to provide laterally extending flap portions, one of said flap portions extending in a direction opposite to that of the other flap, said flaps each having an aperture for receiving lamp bases to thereby hold and support the lamps with the portion of the strip situated between the flaps forming a partition between the lamps and enclosure means for the strip and lamps.

3. In a package for electric lamps or similar articles, a card-board strip having a central panel, the ends of said strip being bent in opposite directions and provided with apertures for receiving lamp bases to thereby support and hold lamps in said strip and enclosure means for the strip and lamps.

4. A package for electric lamps or similar articles comprising, a container, a lamp-holding member in said container, said lamp-holding member comprising a strip having a body portion vertically dividing the container in two compartments, said strip having laterally bent ends, each of said ends extending over and closing one end of a compartment, and said ends being each provided with means for engaging and holding the base portion of at least one lamp.

5. A package for electric lamps or similar articles comprising, a container, a partition strip located therein, a lateral portion on each end

of the strip formed with a hole for receiving the base of an electric lamp, one of said holes holding the lamp engaged by it with its glass envelope extending downwardly and the other hole supporting its lamp with the glass envelope thereon projecting upwardly, the lamps so held being disposed on opposite sides of the partition strip, and means for retaining the strip in position within the container.

6. In a package for electric lamps, a folded card-board strip having end portions and an integral connecting central portion, said end portions extending substantially parallel to one another and projecting in opposite directions from the ends of the central portion, each of said end portions having at least one aperture for receiving a lamp base, one of said apertures holding a lamp directed downwardly and the other aperture holding an upwardly directed lamp.

7. In a package for electric lamps or similar articles, a card-board strip having a centrally disposed panel, the ends of said strip being bent in opposite directions and each provided with an aperture for receiving a lamp base, a sleeve enclosing said folded strip, said sleeve having inwardly extending projections on its side walls overlying the ends of the strip and holding the strip within the sleeve.

8. In a package for electric lamps or similar articles, a card-board strip having a centrally disposed panel, the ends of the strip at the ends of the panel being bent in opposite directions and projecting laterally from the panel, each of said projecting ends being provided with an aperture for receiving the base of a lamp, an open-ended sleeve enclosing the strip, said sleeve having its side walls formed with inwardly projecting tabs extending over the ends of the strip and holding the same within the sleeve.

9. A packaging means for electric lamps comprising a card-board strip folded longitudinally on spaced parallel lines to produce oppositely projecting flaps at the longitudinal edges of the strip, said flaps being each provided with a series of spaced holes for the reception of the bases of a number of electric lamps, the lamps so received by the holes in one flap extending in a direction opposite to those received in the holes in the other flap and enclosure means for the strip and lamps.

10. A package for electric lamps or similar articles, a strip having end flaps extending in opposite directions from the central portion of the strip, each of said end flaps being apertured to receive a lamp base whereby a lamp held by one of the flaps will extend in a direction opposite to that held by the other flap, said central portion of the strip extending between and connecting the flaps and forming a partition between the lamps, a container in which said strip is held, and apertured spacing members at the top and bottom of the container engaging the ends of the lamps.

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