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J. L. SHAILER

2,358,664

SPARE LAMP CARTON

Filed March 10, 1939

Fig. 1.

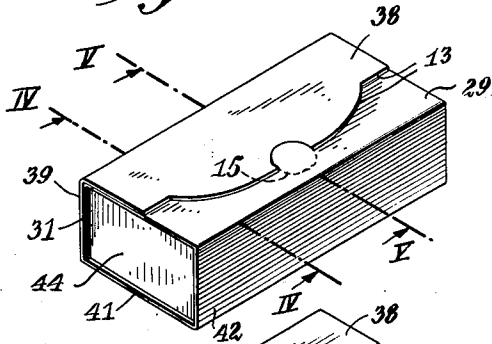


Fig. 2.

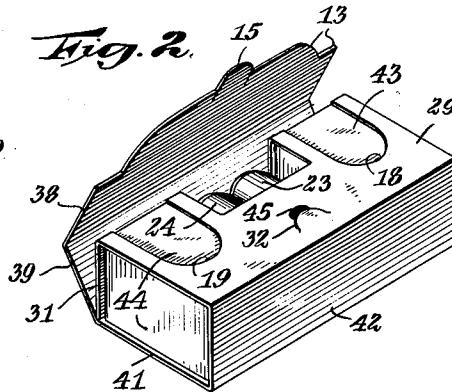


Fig. 3.

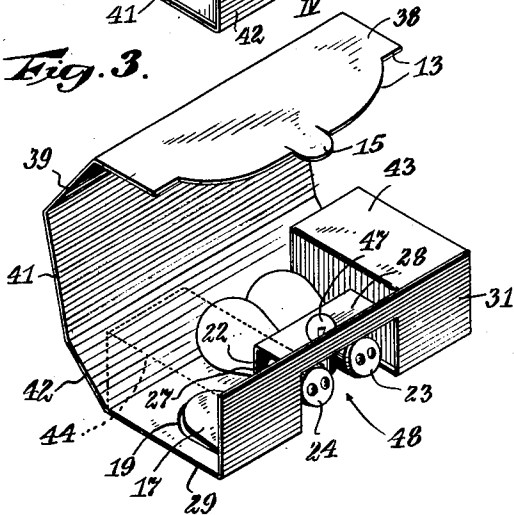


Fig. 4.

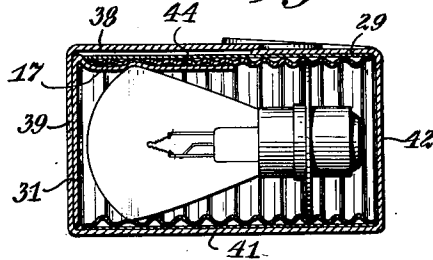


Fig. 5.

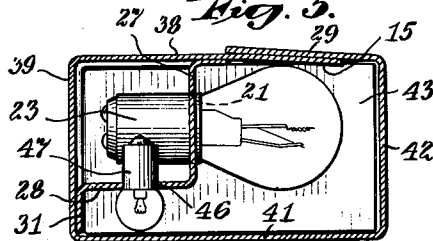
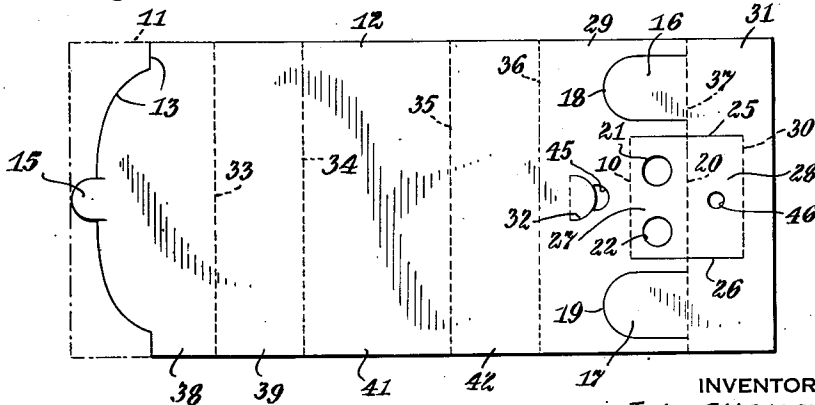


Fig. 6.



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SPARE LAMP CARTON

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6 Claims. (Cl. 206—1)

This invention relates to wrappers or cartons for shipping and vending fragile articles, and more particularly to a form of carton especially adapted for holding spare miniature or automobile lamps.

The principal object of my invention, generally considered, is an improved wrapping method and the provision of a simple carton adapted to hold a few miniature or automobile lamps, such as four, in a convenient and economical manner, whereby they may be safely carried in an automobile as spare lamps.

Another object of my invention is the provision of a carton formed from a single sheet of cardboard, substantially rectangular in outline and adapted to hold a few miniature lamps by the provision of means interlocking said lamps with said blank, the subsequent bending of said blank around said lamps, and the latching or interlocking of the outside edge thereof with itself.

A further object of my invention is the wrapping of miniature lamps comprising taking a carton blank, cutting tabs therefrom to fit between lamps and their individual corrugated wrappers to hold two lamps in place, fitting the bases of unwrapped lamps between said wrapped lamps in apertures in a slit-away portion of said blank, bending the remainder of said blank around said interlocked lamps, and securing the free edge of said blank to the side of the completed carton from which the tabs were cut.

A still further object of my invention is the provision of a novel method of packing fragile articles, such as miniature incandescent lamps, whereby material is saved and wrapping thereof facilitated.

Other objects and advantages of the invention, relating to the particular arrangement and construction of the various parts, will become apparent as the description proceeds.

Referring to the drawing illustrating my invention:

Figure 1 is a perspective view of the carton, when closed to completely cover the lamps.

Figure 2 is a view similar to Figure 1, but showing the carton partly opened to expose the bases of two of the enclosed lamps.

Figure 3 is a view similar to Figure 2, but showing the carton opened still further to more completely expose the intermediate lamps and the individual wrappers of the exterior or end lamps.

Figure 4 is an enlarged sectional view on the line IV—IV of Figure 1, in the direction of the arrows.

Figure 5 is an enlarged sectional view on the line V—V of Figure 1, in the direction of the arrows.

Figure 6 is a plan of the carton blank showing also, by dot-dash extensions, the size of a

rectangular sheet of cardboard necessary to provide the material for making such a blank.

Referring to the drawing in detail, like parts being designated by like reference characters, there is shown in Figure 6, a rectangular piece of cardboard 11, from which the carton blank 12, of one embodiment of my invention, may be cut by severing along the broken line 13 to form an attractive curved edge and a locking tab or latch 15. The blank is finished by forming the tabs 16 and 17 from said blank by cutting along the lines 18 and 19, and forming apertures 21 and 22 between said tabs 16 and 17, said apertures being of the proper size for snugly receiving the bases of automobile lamps, such as designated by the reference characters 23 and 24. Slits 25 and 26 are formed at the sides of said apertures 21 and 22, in order to allow for bending out from the blank, inwardly with respect to the contemplated enclosure, along desirably scored lines represented by the reference characters 10, 20 and 30, the portions 27 and 28, which are in the finished carton angularly disposed with respect to the corresponding wall portions 29 and 31, as shown most clearly in Figures 3 and 5.

A slit 32 is also formed in the wall portion 29, to cooperatively receive the locking tab 15 when the carton is closed, as shown in Figure 1. The carton blank is desirably completed by scoring or partially cutting along the dotted lines 33, 34, 35, 36 and 37, to allow for moving the adjacent wall portions 38, 39, 41, 42, 29 and 31, into angular relation with respect to one another upon bending the blank around the lamps, as shown in Figure 1.

The carton of the present embodiment, is especially adapted for holding automobile lamps to serve as spares. For this purpose, I desirably select two automobile headlight lamps which, in their individual open-ended wrappers or corrugated cartons, are here designated as 43 and 44, said lamps being locked in place with respect to the carton blank 12 by having the tabs 16 and 17 respectively inserted between a side of each of the wrappers of the lamps 43 and 44, and the corresponding bulbs of said lamps, as shown most clearly in Figure 4. By inserting the tabs 16 and 17 in this way, no difficulty is experienced and, inasmuch as the bulbs snugly fit the individual corrugated wrappers, said wrapped lamps 43 and 44 are securely held in the desired positions, illustrated most clearly in Figure 3.

The other spare lamps 23 and 24, which may conveniently be such adapted to function as combination tail and stop lights, are held in place by having their bases fitted in the apertures 21 and 22, previously referred to, after the slit-away portions 27 and 28 are angularly bent with respect to the corresponding walls 29 and 31, as shown most clearly in Figure 3.

After assembling the lamps with the blank, as previously described, said blank is bent along the dotted lines 37, 38, 39, 40 and 41, first to the position illustrated in Figure 2, then to that illustrated in Figure 3, and finally to that illustrated in Figure 1, where the latch portion 15 is inserted in the slot 32, which slot is desirably relieved by the crescent shaped aperture 45 which facilitates insertion of the latch 15, as shown most clearly in Figure 1.

Instead of carrying only four lamps in the carton described, I may form an additional lamp-carrying aperture 46 in the slit-away portion 28, which aperture is desirably of a size adapted to receive the miniature bayonet base of a small lamp such as Mazda No. 51 or 55, or that of a flashlight lamp 47, with said base fitting between the bases of the lamps 23 and 24, as shown most clearly in Figure 3.

From the foregoing disclosure, it will be seen that I have devised an economical and handy carton for holding a few, such as four or five, miniature or automobile lamps which may serve as spares and be conveniently carried by motorists. The carton proper, comprises a single sheet of cardboard which may be relatively thin, one end portion of said sheet being cut to provide a locking tab and the other end portion being cut to provide wrapper-interlocking tabs for two end lamps, and a base-interlocking slit-away portion for an intermediate lamp or lamps, said blank being finished by scoring along lines, to adapt it to be bent to form the walls, and providing a locking-tab-receiving slot in the corresponding wall-forming portion of the blank.

The individually wrapped lamps are desirably disposed so that they normally abut the wall portions 29, 31, 41 and 42, and the outer edges of the portions 27 and 28, and close the ends of the completed carton, thereby cooperating with the carton blank in making a complete lamp enclosure. The blank preferably has six instead of four wall-forming portions, because the two wall-forming portions at each end desirably overlap in the closed carton, so that the locking flap 38 and the adjacent wall portion 39, cover the cavity 48 left by bending in the apertured lamp-holding portions 27 and 28.

Although a preferred embodiment of my invention has been disclosed, it will be understood that modifications may be made within the spirit and scope of the appended claims.

I claim:

1. A carton for holding fragile articles, both wrapped in open-end cartons and unwrapped, comprising a cardboard blank formed with a pair of tabs respectively disposed adjacent opposite edges, cut therefrom to fit between such wrapped articles and their cartons, other portions of said blank between said tabs being apertured, separated from the main portion by slits, and struck out therefrom, to hold such unwrapped articles, and means on said blank, after it has been bent around said wrapped and unwrapped articles, for holding it interlocked with itself to form, in combination with the cartons of said wrapped articles, a complete cover therefor.

2. A carton for holding automobile lamps, both wrapped in open-end cartons and unwrapped, comprising a cardboard blank formed with tabs to fit between such wrapped lamps and their car-

tons, a portion of said blank between said tabs being formed with slits, and the portion between said slits struck therefrom, and apertured to receive the bases of the unwrapped lamps and hold them in position, and means on said blank for holding it interlocked with itself after it has been bent around said wrapped and unwrapped lamps to form, in combination with the cartons of the wrapped lamps, a complete cover therefor.

3. A carton for holding automobile lamps, two wrapped in open-end cartons and two unwrapped, comprising a cardboard blank formed with tabs to fit between such wrapped lamps and their cartons, a portion of said blank between said tabs being formed with slits, and the portion between said slits struck therefrom, and apertured to receive the bases of the two unwrapped lamps and hold them in position, and means on said blank for holding it interlocked with itself after it has been bent around said wrapped and unwrapped lamps to form, in combination with the cartons of the wrapped lamps, a complete cover therefor.

4. A carton for holding two lamps wrapped in open-end cartons and three unwrapped lamps, comprising a cardboard blank formed with tabs positioned within its outline and of such a size as to fit in said open ends between such lamps and their cartons, a portion of said blank defined by a pair of parallel slits across a fold line and end fold lines from which the defined portion diverges from the main blank, said defined portion having an intermediate bend reverse to that at the first fold line and being apertured to receive the bases of the two unwrapped lamps on one side of said intermediate bend, that of the third of said unwrapped lamps on the other side of said intermediate bend, and hold them in position, and means on said blank for holding it interlocked with itself after it has been bent around said wrapped and unwrapped lamps to form, in combination with the cartons of the wrapped lamps, a complete cover therefor.

5. A carton for holding fragile articles, both wrapped in open-end cartons and unwrapped, comprising a cardboard blank formed with means, respectively disposed adjacent opposite edges, cut therefrom to hold wrapped articles in their cartons, other portions of said blank between said means being apertured, separated from the main portion by slits, and struck out therefrom, to hold such unwrapped articles, and means on said blank, after it has been bent around said wrapped and unwrapped articles, for holding it interlocked with itself to form, in combination with the cartons of said wrapped articles, a cover therefor.

6. A carton for holding automobile lamps, both wrapped in open-end cartons and unwrapped, comprising a cardboard blank formed with means to hold a wrapped lamp in its carton at each side, a portion of said blank between said means being formed with slits, and the portion between said slits struck therefrom, and apertured to receive the bases of the unwrapped lamps, hold them in position, and form abutments for said wrapped lamps, and means on said blank for holding it interlocked with itself after it has been bent around said wrapped and unwrapped lamps to form, in combination with the cartons of the wrapped lamps, a cover therefor.

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