Aug. 8, 1933. H. C. BOHNKE 1,921,724

SHIPPING CARTON

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Fig. 1.

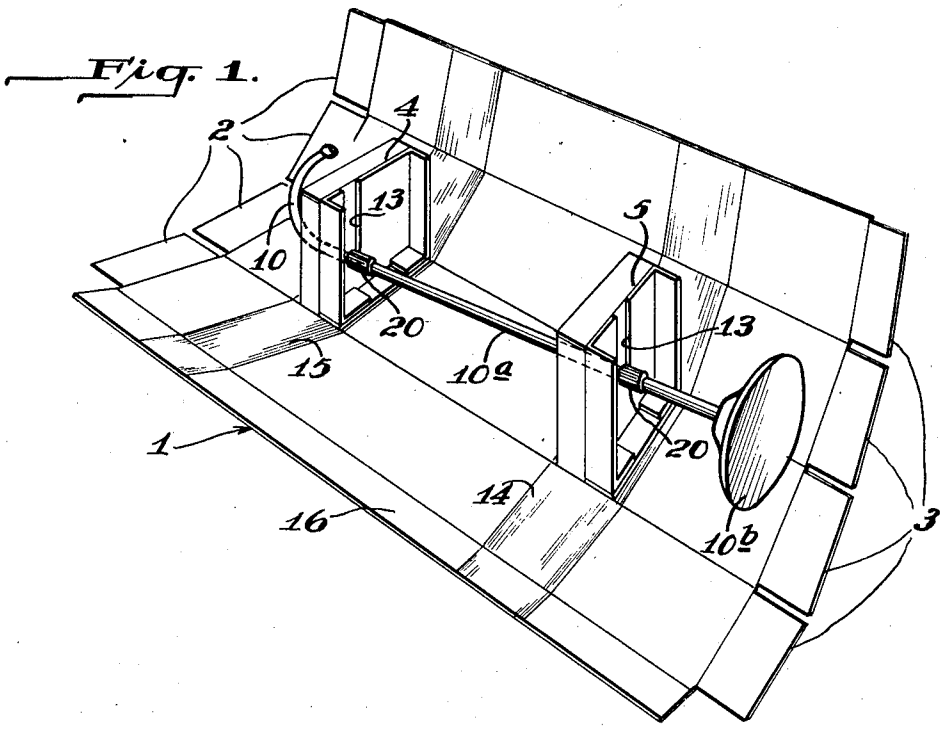


Fig. 5.

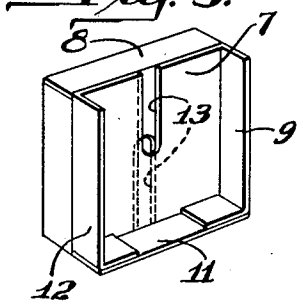


Fig. 6.

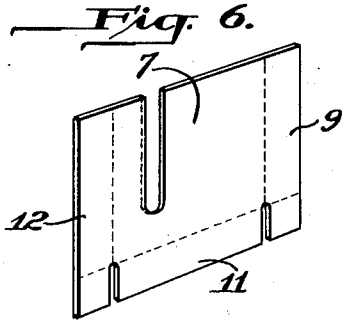


Fig. 7.

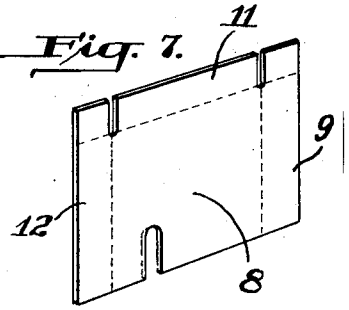


Fig. 8.

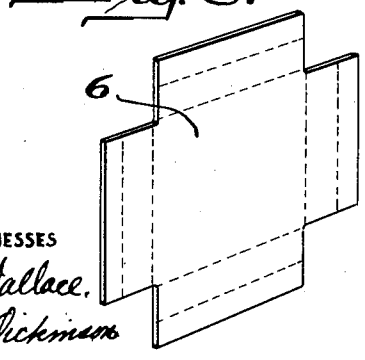
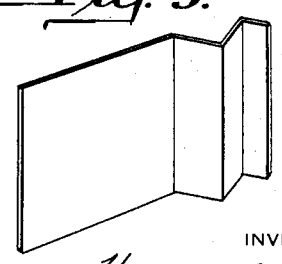


Fig. 9.



WITNESSES

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SHIPPING CARTON

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Fig. 2.

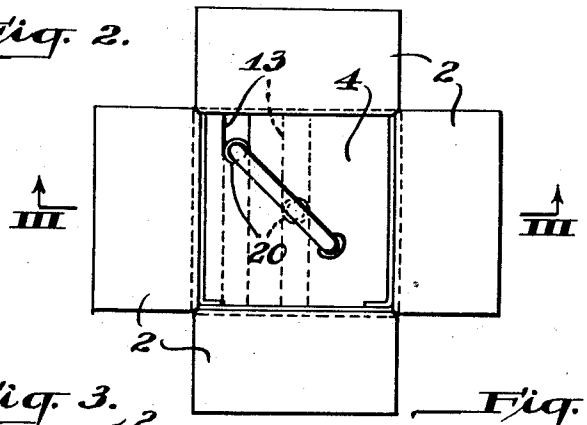


Fig. 3.

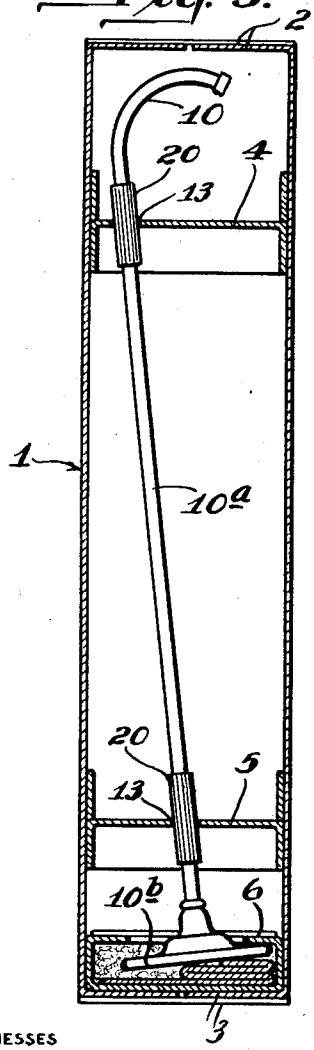
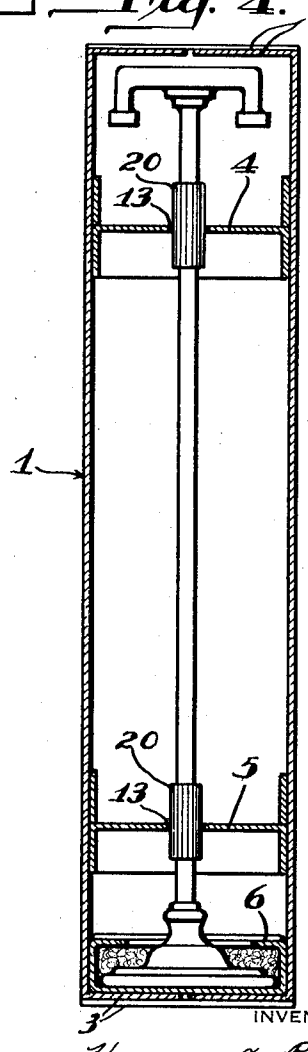


Fig. 4.



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Patented Aug. 8, 1933 1,921,724

UNITED STATES PATENT OFFICE

1,921,724

SHIPPING CARTON

Herman C. Bohnke, Carnegie, Pa., assignor to Superior Paper Products Company, Carnegie, Pa., a Corporation of Delaware

Application June 17, 1932. Serial No. 617,771

1 Claim. (Cl. 206—46)

This invention relates to a shipping carton or package, and particularly to one constructed of corrugated board or material of that nature, which is adapted for use in packaging and shipping elongate, highly polished, irregularly shaped articles, such as floor lamps, bridge lamps, and the like.

The primary object of the invention, generally stated, is to provide a shipping container of this character which is light of weight, comparatively inexpensive to manufacture, and adapted to be readily and easily assembled.

Another object is to provide a package embodying the aforementioned characteristics which in addition to being economical and easy to use is capable of effectively protecting an article packed in it against injury in shipment.

These and various other objects, as well as the various other novel features and advantages of the invention, will be apparent when the following detailed description is read in conjunction with the accompanying drawings, of which Fig. 1 is a perspective view of a conventional form of floor lamp arranged in a partly assembled package constructed in accordance with the invention; Fig. 2 a top view of the package shown in Fig. 1 after it is assembled, except for the cover flaps which are open; Fig. 3 a longitudinal section taken on the line III—III of Fig. 2; Fig. 4 a view similar to Fig. 3 of a package such as the one shown in Figs. 1, 2 and 3 but containing a bridge lamp instead of a floor lamp; Fig. 5 a perspective view of an assembled spacing unit; Figs. 6 and 7 perspective views, respectively, of the cooperating parts of the spacing units shown in Fig. 5; Fig. 8 a plan view of the foldable casing employed to protect and anchor the base of a lamp in the package; and Fig. 9 a perspective view of a section of creased paper board adapted to be folded in the form of a wedge-shaped pad for use under the base of a floor lamp, as shown in Fig. 3.

Referring to the drawings, the numeral 1 designates generally the casing proper of the package. This preferably comprises a single sheet of paper board which is cut to the size required, then creased throughout its length and slotted at its end in the fashion illustrated in Fig. 1 to adapt it to be folded into an oblong, rectangular-shaped container and provide it with end flaps 2 and 3 which fold over one another in the usual manner to close the ends of the container.

In accordance with this invention, to secure an article, such as a floor lamp 10, in the container 1 and in such a way that it will be held against lateral movement, a plurality of spacing units 4 and 5, the number of which may be varied as required, are provided to engage the stem 10*a* of the lamp, while to protect the base 10*b* of the lamp and hold it in place in the package a foldable casing 6 is employed. The spacing units 4 and 5, as shown best in Figs. 1, 5, 6 and 7, are made up of two parts 7 and 8 each of which consists of a single blank of paper board which is creased on three of its sides and slit at its corners to provide it with side walls or flanges 9, 11 and 12 for attaching it to the walls of casing 1. To engage the stem of the lamp, a perpendicular slot 13 is cut in the plain edge of both sections 4 and 5 and these sections then placed together in back-to-back relation with the slots 13 straddling the stem 10*a* from opposite directions and forming a hole, the edges of which engage the stem. The position and depth of these slots are made such that when the two parts 4 and 5 are put together in a reverse manner, as referred to and shown, they locate the hole so provided with respect to the walls of the container at the point where the stem normally rests when the lamp is positioned in the container. For example, where a bridge lamp is laid on an incline in casing 1, as shown in Figs. 1, 2 and 3, to permit the crook on the upper end of the stem 10*a* being positioned in the end of the package, the slots 13 are so located in the upper unit 4 as to place the hole provided by them near the corner of the casing and those in the blanks of unit 5 so as to place the hole for the lamp stem near their centers. However, for use with a bridge lamp, as shown in Fig. 4, the slots 13 in the units 4 and 5 are made uniform so as to place the holes formed by them in the center of the units, and it is obvious that these slots may be placed in any position and have any length desired.

To prevent the stem of the lamp from chafing due to contact with the edges of the slots 13, a piece 20 of suitable material, such as light corrugated paper board, may be wound around the stem and inserted in the holes formed by the slots, while for holding the spacing units 4 and 5 in place when the package is assembled, their flanges may be glued or otherwise attached to the walls of the casing 1, their exterior dimensions being made such as to adapt them to just fit within the casing for such purpose. As shown in Fig. 1, the attachment of these units to the casing may be effectively made when the package is assembled by painting bands 14

and 15 of glue on the interior of the casing opposite the flanges 9, 11 and 12 on the spacing units and then placing one of the sections of each of the units 4 and 5 in one of the panels formed by the longitudinal creases in the sheet 1 with their slots 13 projecting upwardly. The lamp is next laid in the package with its stem fitted in the slots 13. The other section of the two units is then placed back-to-back with the first with their slots, of course, straddling the stem of the lamp. After this is done the casing 6, which is cut and creased in the manner illustrated in Fig. 8, is fitted over the base 10b of the lamp and filled with suitable packing material for protecting and holding the base in place. If the base of the lamp is tilted as it is in the case of a floor lamp mounted in the package on an incline, a wedge-shaped pad formed of a folded sheet of material cut and creased in the manner shown in Fig. 9 is provided and placed under the bottom of the base. With the base so encased the top flaps of the blank forming the casing 6 are folded to place and connected together. With this done, the casing 1 is folded about the spacing units 4 and 5 and the base protector 6 and the flap 16 glued or otherwise attached to the adjacent side walls of the casing. After this is done the bottom of the casing 6 is covered with glue to secure it to the bottom of the package and the end flaps 2 and 3 then folded to place and glued or otherwise attached together, placing the package in readiness for shipment.

As will be readily appreciated by those skilled in the art, a package constructed in accordance with this invention, which obviously may be devised and assembled in various other ways than specifically set forth, is not only economical to manufacture and assemble, but is also capable of effectively protecting the articles packaged in it against injury in shipment. Furthermore, it is particularly light of weight as compared with the wooden boxes customarily used for similar purposes in the past. In addition, the parts of the package may be prepared by the manufacturer and shipped to the user in the flat ready for assembly, which is a real advantage because of the small amount of space required for their shipment and storage in such condition.

According to the provisions of the patent statutes, I have explained the principle and mode of operation of my invention, and have illustrated and described what I now consider to represent its best embodiment. However, I desire to have it understood that, within the scope of the appended claims, the invention may be practiced otherwise than as specifically illustrated and described.

I claim:

A shipping package for use in packaging floor lamps, bridge lamps and elongate articles of that character comprising an elongate paper board container equipped at its ends with closing flaps and between its ends with a spacing unit for bracing and holding an article placed in the package against lateral movement and provided at one end with a protecting and anchoring unit which is adapted to encase the base of a lamp, said spacing unit comprising a pair of cooperating oppositely slotted flanged-edged blanks which are arranged in the container in back-to-back relation with their flanged edges attached to the walls of the container and their oppositely disposed slots straddling the article from opposite directions and forming a hole, the edges of which engage the article, said base-protecting unit comprising a foldable housing which fits over the base of a lamp and is fastened to the ends of the container.

HERMAN C. BOHNKE.