

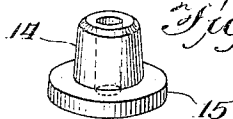
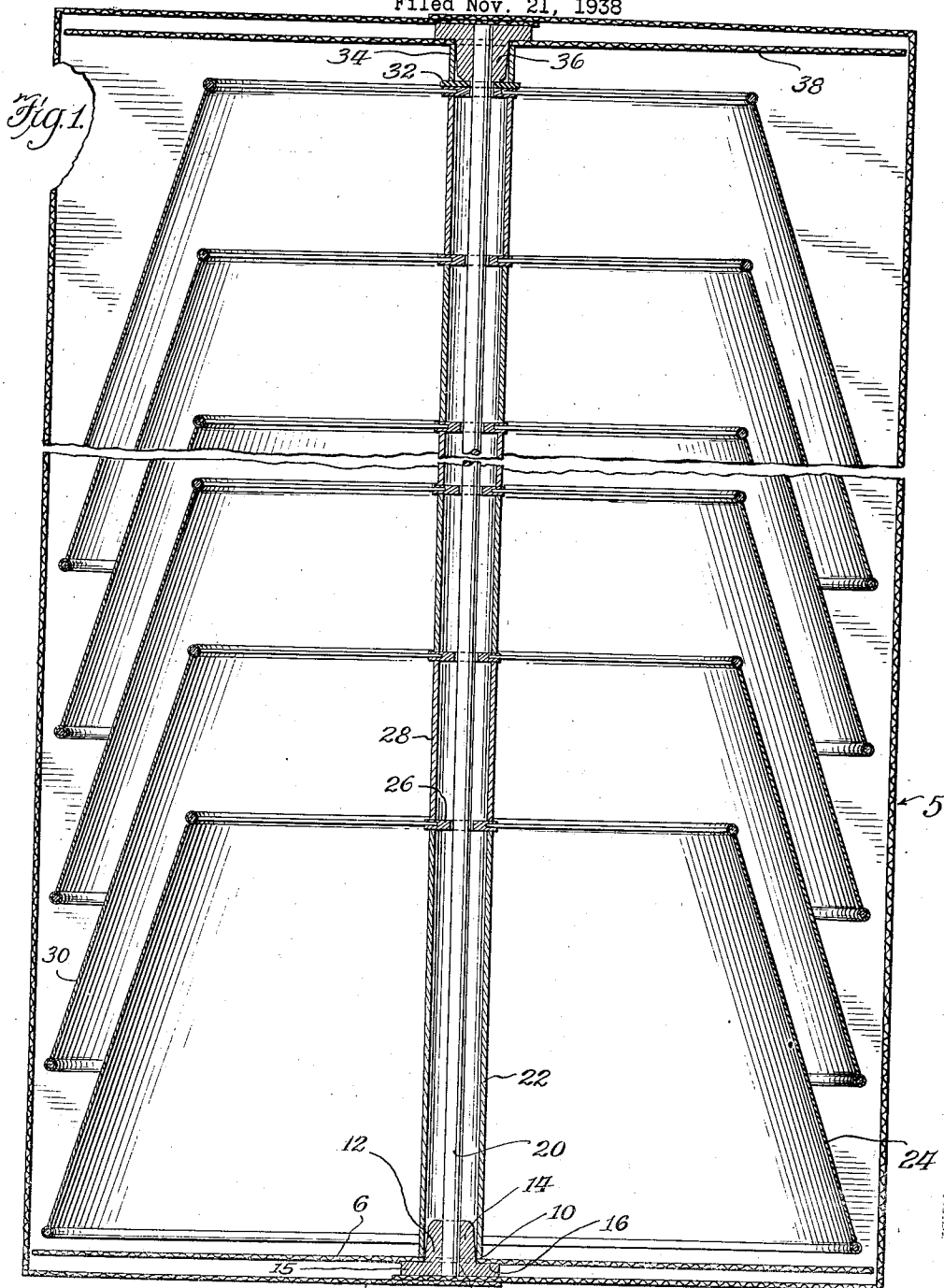
Nov. 28, 1939.

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2.181,198

DEVICE FOR PACKAGING FOR SHIPMENT LAMP SHADES AND OTHER LIKE ARTICLES

Filed Nov. 21, 1938



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UNITED STATES PATENT OFFICE

2,181,198

DEVICE FOR PACKAGING FOR SHIPMENT
LAMP SHADES AND OTHER LIKE ARTI-
CLES

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Application November 21, 1938, Serial No. 241,556

6 Claims. (Cl. 206—65)

This invention relates to an improved device for packaging for shipment, lamp shades and other like articles.

The present means of packaging lamp shades have been found to be highly unsatisfactory due to the large amount of damage to the shades that attends the shipping of same. As a consequence, a shipper of such articles must incur the additional expense of replacing and reshipping the damaged articles. There has not as yet been developed in the art a device for packaging lamp shades in which a plurality of shades are rigidly supported in spaced relationship to each other and in which the same is effected with a minimum of effort and cost.

It is, therefore, an object of this invention to provide a device for packaging lamp shades, in which the danger of damage to such shades in transit, is completely eliminated.

Another object of this invention is the provision of an extremely simple and inexpensive device for effecting the above object.

Another object is to provide a device for use in the packaging of lamp shades which is easy and quick to manipulate, efficient in operation and which is simple and inexpensive to manufacture.

With the foregoing and other objects in view, the invention consists of the novel construction, combination and arrangement of parts, as hereinafter more specifically described and illustrated in the accompanying drawing wherein is shown a device in accordance with this invention, but it is to be understood that changes, variations and modifications can be resorted to which fall within the scope of the appended claims.

In the drawing, wherein like reference characters denote corresponding parts through the several views:

Fig. 1 is a sectional elevational view showing the arrangement of parts and manner of packaging lamp shades as embodied in my invention.

Fig. 2 is a perspective view of the locking member used with my invention.

In the drawing, wherein for purposes of illustration, is shown a preferred embodiment of my invention, the numeral 5 designates the usual box container which is preferably made of corrugated fibre material. The lamp shade mounting comprises a corrugated fibre board 6 having an area substantially coextensive with that of the base 8 of the container 5. Said board 6 is provided, centrally thereof, with an aperture 10 which is adapted to receive the base locking member 12. Said base locking member 12 comprises

a tapered cylindrical portion 14 and an enlarged base portion 15 which forms a shoulder 16 upon which the board 6 is adapted to rest. The base member 12 is provided with a longitudinal bore 18 in which is fitted a guide rod 20, said rod being coextensive in length with the container 5. In the practical application of my invention the member 12 is first inserted in the opening of a board 6 and the rod 20 is placed in the member 12. This unit is then placed bodily in the bottom of the container box 5.

A fibre tube 22 is positioned over the tapered portion 14 of the base member 12 and is substantially secured thereon by forcing said member in said tube. In this manner the parts are held in rigid relationship without the use of any fastening devices. The tube 22 is preferably of a length sufficient to support a lamp shade 24 a short distance above the board 6. The lamp shade is placed on the fibre tube 22 so that the guide rod 20 enters the ring member 26 of the shade, said ring member forming the hub of the lamp shade frame. It is desirable to use a guide rod having a diameter slightly less than the aperture in the ring member 26 in order to provide a snug fit and eliminate undue movement of the shade 24 on the rod 20. If the circumference of the opening of the ring member 26 is greater than the tube 22 a fibre washer, not shown, is first placed on the tube and the ring is then placed thereon.

As shown in Fig. 1, a tube section 28, similar to the tube 22, but of less length, is positioned on the rod 20 over the shade 24 and another shade 30 is positioned to rest thereon. A similar procedure is followed until the capacity of the rod 20 has been exhausted. It will be remembered that the tubes separating the shades need only be of a length sufficient to provide adequate spacing of the shades so that one does not rest upon the other. A fibre washer 32 is placed on the rod 20 over the topmost shade and a short section of tubing 34 is positioned thereon. A top locking member 36, similar in construction to the base locking member 12 and provided with a fibre board 38 similar to the board 6 previously described, is placed in an inverted position on the top portion of the rod 20. The two end members 12 and 36 on the rod 20 tend to securely press all of the tubes and the rings together thus securely locking them against movement and thus prevent any relative movement of the shades. The fibre boards 6 and 38 serve to centrally position the lamp shades in the container and prevent movement of same therein.

It will be seen that the tapered construction of the locking members 12 and 36 permits them to be inserted and advanced within the tube 22 and 34 respectively, to rigidly lock the lamp shades on the rod 20, slipping of the members 12 and 36 being eliminated by providing a tight fit between said members and the rod 20.

To separate the shades it is merely necessary to remove the upper member 36 and slip the shades off of the rod 20. With my device for packaging lamp shades, no other fastening devices are necessary for securing the shades. No tools are required for assembling the parts and none are likewise required for disassembling them. Damage to the parts is thus completely eliminated and the salvage value of same for further use is highly enhanced.

It is to be understood that the form of my invention, herewith shown and described, is to be taken as a preferred example of the same, and that various changes in the shape, size and arrangement of parts may be resorted to, without departing from the spirit of my invention, or the scope of the appended claims.

I claim:

1. In a device of the class described, a rod on which are mounted a plurality of lamp shades, a plurality of tubing sections arranged to maintain said lamp shades in spaced relationship on said rod, an end wall member positioned at each extremity of said rod, said wall members being substantially coextensive in area with the end walls of a box container and arranged to align said rod with the longitudinal axis of said container, end locking members frictionally mounted on the extremities of said rod, each of said locking members having a cylindrical portion adapted to be received in the end tubing sections and arranged to rigidly secure said lamp shades on said rod.

2. In a device of the class described, a rod, a plurality of tubing sections mounted thereon and arranged for spacedly supporting a plurality of objects longitudinally of said rod, end wall members positioned at the extremities of said rod, said members being substantially coextensive in

area with the end walls of a box container in which said device is to be positioned, end locking members adapted to be frictionally mounted at the extremities of said rod, said end locking members having a cylindrical portion arranged to be received in the end tubing sections for rigidly securing said tubing sections and said end wall members on said rod.

3. In a device of the class described, a rod, a plurality of tubing sections enclosing said rod and arranged to spacedly support a plurality of objects longitudinally of said rod, end locking members adapted to be frictionally mounted at the extremities of said rod, each of said locking members having a tapered cylindrical portion arranged to be received in the end tubing sections for rigidly securing said tubing sections on said rod.

4. In a device of the class described, a rod, a plurality of tubing sections mounted thereon and arranged to spacedly support a plurality of objects longitudinally of said rod, end wall members positioned at the extremities of said rod, said members being coextensive in area, with the end walls of a box container in which said device is to be positioned, and frictional means for securing said tubing sections and said end wall members on said rod.

5. In a device of the character described, a rod adapted to support a plurality of lamp shades longitudinally of said rod, a plurality of tubing sections for maintaining said shades in spaced relationship on said rod, locking members frictionally mounted on said rod and adapted to maintain said shades on said rod against relative movement, and means for aligning said rod with the longitudinal axis of a box container in which said device is positioned.

6. In a device of the character described, a rod, a plurality of tubing sections for maintaining a plurality of lamp shades in spaced relationship on said rod, locking members removably mounted on the ends of said rod and adapted to lock said tubing sections and said lamp shades against relative movement.

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