Nov. 9, 1948. P. CHILO 2,453,658

LAMP SHADE HOLDER

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Fig. 1

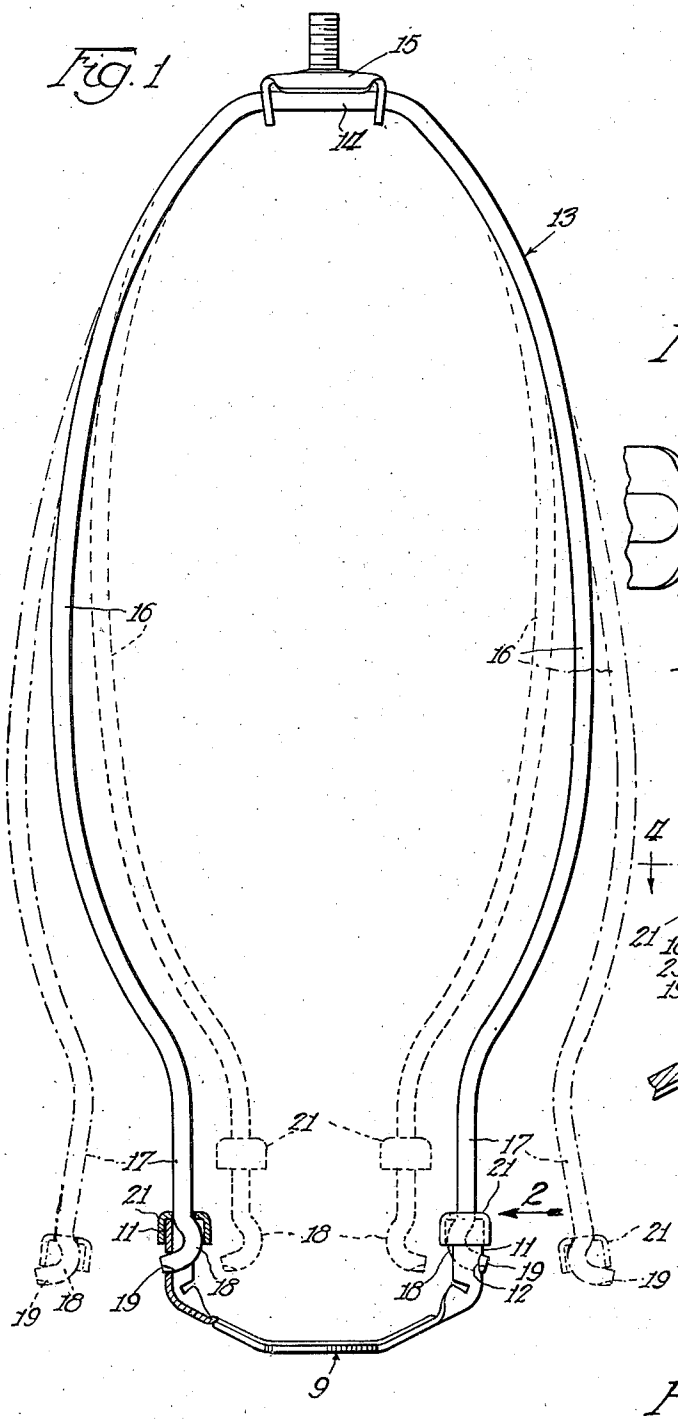


Fig. 4

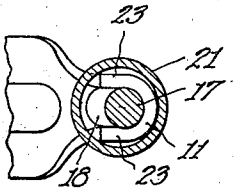


Fig. 3

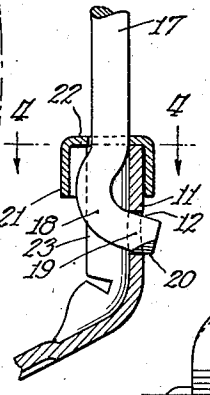
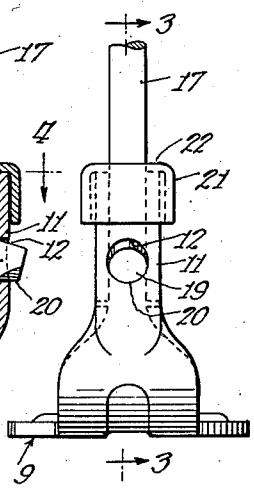


Fig. 2



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LAMP SHADE HOLDER

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5 Claims. (Cl. 240—148)

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This invention relates to a lamp shade holder of the type embodying a harp detachably connected to a base, and its principal object is to provide an extremely rigid connection between the harp and base.

The harp is usually constructed of a length of resilient wire formed with two bowed branches, terminating in legs with laterally extended extremities which are secured in upstanding channel shaped side members of the base, and one of the objects of this invention is to provide means for preventing twisting or turning of the legs in the side members.

Another object is to provide U bends adjacent the extremities of the legs, which U bends cooperate with the flanges of the channel shaped side members to prevent turning or twisting of the legs in the side members.

Other objects and advantages will appear in the course of this specification, and with said objects and advantages in view, this invention consists in the several novel features hereinafter fully set forth, and more particularly defined in the appended claims.

The invention is clearly illustrated in the drawing accompanying this specification; in which

Fig. 1 is a side elevation, partly broken out, of a lamp shade holder embodying a simple form of the present invention;

Fig. 2 is an enlarged detail end elevation of the base, and a fragment of the harp looking in the direction of the arrow 2 in Fig. 1;

Fig. 3 is a detail vertical longitudinal section taken on the line 3—3 of Fig. 2; and

Fig. 4 is a detail horizontal section taken on the line 4—4 of Fig. 3.

Referring to said drawing, the reference character 9 designates a base conveniently formed of a metal stamping, having a ribbed centrally apertured substantially U shaped base portion, terminating in two oppositely disposed upright channel or trough-like side members 11, 11. The channels of the side members face each other, and the U bends thereof are each formed with an aperture 12, 12, the two apertures being disposed in horizontal alignment with each other. The base may be attached to a lamp socket in the customary manner.

The harp 13 is preferably formed of a length of resilient wire bent upon itself at two places adjacent the middle thereof, to form a substantially horizontal cross-piece 14 upon which is secured the usual lamp shade holding member 15, in accordance with the common practice.

From the cross-piece the two branches of the

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wire are bowed downwardly and outwardly as at 16, 16, and the two branches terminate in legs 17, 17 which, when the base and harp are assembled, extend parallel with each other. In the unassembled condition of the device, the free ends of the two branches of the harp are spread apart considerably, as is indicated by the dot and dash lines in Fig. 1.

Adjacent the free ends of the legs 17, 17, the wire thereof is struck up into two U shaped bends 18, with the bends extending inwardly toward each other. The U bends 18 terminate in outwardly offset terminal ends 19 which, if desired, may extend at downwardly inclined angles. With the terminal ends sloping downwardly, the under surfaces at the ends of the terminal ends are chamfered off along curved lines, as at 20, to enable the terminal ends to enter the apertures in the side members, which apertures are of approximately the same diameter as the wire.

Slidably mounted on the two branches of the harp are collars 21, 21, each formed with an apertured end wall 22. The collars surround the legs and the upper channeled ends of the side members of the base, and the skirts of the collars prevent the legs from being disconnected from the base.

In assembling the harp with the base, a person grasps the two branches of the harp and presses the legs toward each other sufficiently to permit the terminal ends 19, 19 to be inserted into the channels of the side members, with the terminal ends in alignment with the apertures in the said side members (see dotted lines in Fig. 1), and the person then releases his grasp on the harp, permitting the inherent resiliency of the wire to spring the terminal ends 19, 19 into apertures 12, 12. The collars are then slid down the legs and over the upper channeled ends of the side members, thereby effectively preventing the end extremities from being disconnected from the side members. Because of the inherent resiliency of the wire of the harp and the U bends 18 being offset with respect to the axes of the legs, the U bends engage the flanges 23 of the channeled side members adjacent their free edges, thereby preventing any tortional or twisting action of the legs in the channels.

The shape of the terminal ends of the legs prevents the collars from becoming detached from the harp when unassembled with the base, as is evident from an examination of the dot and dash lines in Fig. 1.

By making the harp and base detachable from

each other, space is saved in storing and shipping the device.

Having thus described my invention, it is obvious that various immaterial modifications may be made in the same without departing from the spirit of my invention; hence, I do not wish to be understood as limiting myself to the exact form, construction, arrangement and combination of parts herein shown and described, or uses mentioned except as defined by the appended claims.

What I claim as new and desire to secure by Letters Patent is:

1. In a lamp shade holder, a base having two oppositely disposed upright side members of channel shape, each having an aperture in the U bend thereof and the two apertures being aligned, a harp having two connected together legs, each having a U bend adjacent its end and both being confined in the channels of the side members and bearing against the inner faces of the flanges thereof, said legs terminating in outwardly offset ends seated in the apertures in the side members, and collars adapted to surround the channeled upright portions of the side members and U bends of the legs, whereby to prevent accidental disconnection between the harp and base.

2. In a lamp shade holder, a base having two oppositely disposed side members of channel shape, each having an aperture in the U bend thereof and the two apertures being aligned, a harp having two connected together legs each having a U bend adjacent its end, both being confined in the channels of the side members and bearing against the inner faces of the flanges thereof, said legs terminating in outwardly offset downwardly inclined terminal ends seated in the apertures in the side members, and collars adapted to surround the channeled upright portions of the side members and U bends of the legs, whereby to prevent accidental disconnection between the harp and base.

3. In a lamp shade holder, a base having two oppositely disposed upright side members of channel shape, each having an aperture in the U bend thereof and the two apertures being aligned, a harp having two connected together legs, each having a U bend adjacent its end and both being confined in the channels of the side members and bearing against the inner faces of the flanges thereof, said legs terminating in outwardly offset downwardly inclined terminal ends, chamfered on their lower sides at their extremities, and collars adapted to surround the channeled upright portions of the side members and U bends of the legs, whereby to prevent accidental disconnection between the harp and base.

4. In a lamp shade holder, a base having two oppositely disposed upright side members of channel shape, each having an aperture in the U bend thereof and the two apertures being aligned, a harp having two outwardly bowed members terminating in two legs, each having a U bend adjacent its end directed inwardly, and both being confined in the channels of the side members and bearing against the inner faces of the flanges thereof, said legs terminating in outwardly offset downwardly inclined terminal ends chamfered on their lower sides at their extremities, and collars adapted to surround the channeled upright portions of the side members and U bends of the legs, whereby to prevent accidental disconnection between the harp and base.

5. In a lamp shade holder, a base having two oppositely disposed upright side members of channel shape, each having an aperture in the U bend thereof and the two apertures being aligned, a harp having two connected together legs, each having a U bend adjacent its end and both being confined in the channels of the side members and bearing against the inner faces of the flanges thereof, said legs terminating in outwardly offset ends seated in the apertures in the side members, and collars each having an end wall formed with an aperture through which a leg extends, each collar having a skirt portion projecting down from the head and adapted to surround a channeled upright portion of a side member, whereby to prevent accidental disconnection between the base and harp.

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