(No Model.)

P. R. WAGOR.

LAMP SHADE HOLDER.

No. 566,255. Patented Aug. 18, 1896.

Fig 1

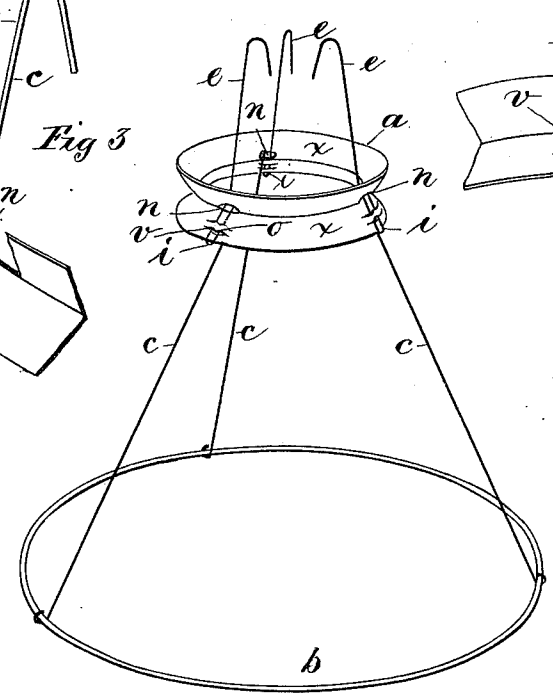


Fig 3

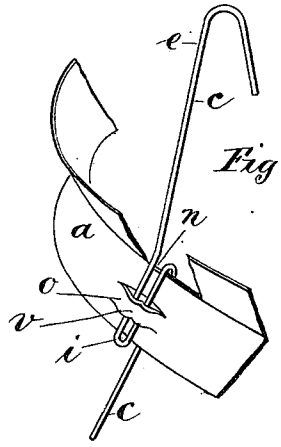


Fig 4

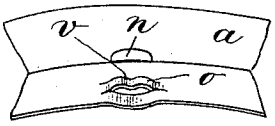


Fig 2

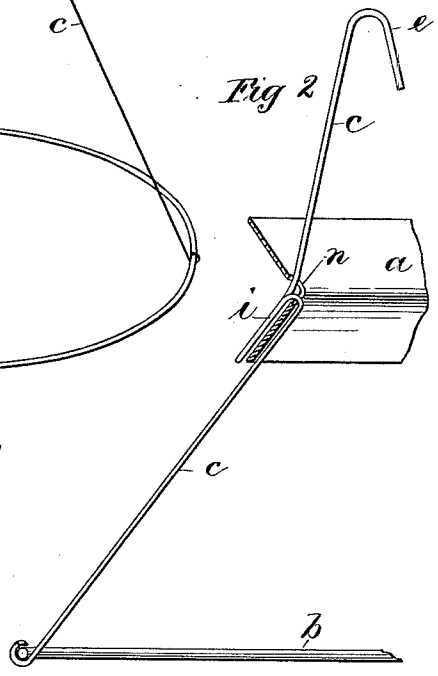


Fig 5

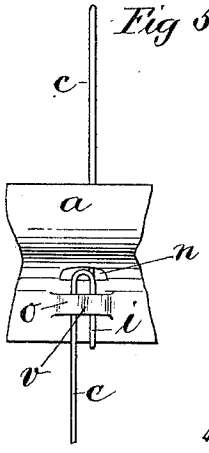
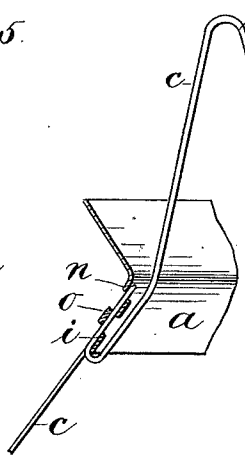


Fig 6



Witnesses
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PHILO R. WAGOR, OF SPRINGFIELD, MASSACHUSETTS.

LAMP-SHADE HOLDER.

SPECIFICATION forming part of Letters Patent No. 566,255, dated August 18, 1896.

Application filed September 5, 1895. Serial No. 561,569. (No model.)

To all whom it may concern:

Be it known that I, PHILO R. WAGOR, a citizen of the United States, residing at Springfield, in the county of Hampden and State of Massachusetts, have invented new and useful Improvements in Lamp-Shade Holders, of which the following is a specification.

This invention relates to lamp-shade holders, the object being to provide a shade-holder of improved construction, in respect to devices for interlocking the crown and the arms of the holder, whereby said parts are conveniently attached and detached, and to provide such construction of said last-named parts as facilitates the "knocking down" of the holders to facilitate packing the same for transportation; and the invention consists in the improved details of construction of the holder, all as hereinafter fully described, and more particularly pointed out in the claims.

In the drawings forming part of this specification, Figure 1 is a perspective view of a lamp-shade holder embodying my improvements. Fig. 2 is a side elevation, partly in section, of the crown of the holder, of a part of the bottom ring, and of one of the arms. Fig. 3 is a perspective view of a section of the crown, showing a portion of its upper edge broken away and a portion of one of the arms interlocked therewith. Figs. 4, 5, and 6 illustrate details of construction hereinafter fully described.

In the drawings, *b* is the bottom ring of the shade-holder, *c c c* are the arms, and *a* indicates the crown thereof.

The within-described improvements relate particularly to novel features of construction in the crown and in those parts of the arms which are engaged with the crown, whereby a sufficiently firm engagement of crown and arms is produced to maintain those parts in sufficiently permanent positions for use and yet permit the said parts to be easily disconnected, so that the arms may be laid flat against the ring or knocked down for packing closely for transportation, as aforesaid.

The ring *b* is of the usual construction. The arms *c* have their lower extremities encircling said ring, but leaving sufficient freedom of motion to the arms to admit of their swinging on said ring for the above-named knockdown purpose. Each of the said arms has the usual hook *e* at its upper extremity for hanging the shade on the upper end of a lamp-chimney, and at a proper distance below said hook each arm is bent doubled upon itself to form a second hook, having a bill *i* of parallel wires, one end of the arm-wire extending from said last-named hook to the bottom ring and the opposite end terminating in said suspending-hook *e*.

The crown *a* of the holder is of sheet metal, consisting of the upper and lower outwardly-flaring parts *x x*. Perforations *n n n*, equidistant from each other, are made through the crown *a* at the junction of said flaring parts thereof of sufficient area to permit said hook-bill to pass therethrough. The lower flaring section *x* of the crown *a* has three straps *o* thereon, extending circumferentially, one for the hook-bill of each of said arms, as shown in Figs. 1, 3, 4, 5, and 6. Said straps are preferably punched outwardly from the crown and are thus integral therewith, and they maintain, normally, the outwardly-bent position shown relative to the outer surface of the crown. Each of said straps *o* has an indentation *v* therein about centrally between its attached ends, whereby the inner surface of the strap is deflected toward the plane of the outer surface of the crown, as clearly shown in Fig. 4. Upon assembling the several parts of the holder in the completed form shown in Fig. 1 the said bills of the hooks *i* of the arm *c* are passed through the openings *n n n* in the crown, and the extremities of said bills are then forced between said straps and the outer surface of the crown, and as the points of said bills pass under said straps to the position shown in Figs. 1, 3, and 5 the said deflected portions of the straps become spring engaged between the two wires of each bill, and thus the arms of the holder become properly attached to the crown for ordinary use. The space between each strap *o* and the side of the crown is slightly less than the thickness of the hook-bill. Figs. 5 and 6 illustrate the hook-bill *i* as extending upwardly from the lower edge of the crown *a*, under the strap *o*, and the extremity of the bill entering said opening *n* in the crown. This last-named construction provides means for more easily separating the crown and arms for packing purposes. That shown in Figs.

1 and 3 provides for rigidly securing the crown to the arms to a greater or less degree, according to more or less deflection of the straps between the wires of the hook-bills.

What I claim as my invention is—

1. A shade-holder having arms, in each of which is a hook intermediate of its extremities, combined with a crown having straps thereon between which straps and the surface of the crown said hook-bills have a retaining engagement, substantially as set forth.

2. A shade-holder, having a crown provided with straps thereon, rising above the surface of said crown, each strap having an indentation therein intermediate of its extremities, combined with the arms of the holder, each having a hook with a bill of parallel wires for engagement under said straps and with said indentations therein, substantially as set forth.

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