Apr. 24, 1923. 1,452,773

R. M. AMORES

DETACHABLE AND FOLDABLE LAMP SHADE

Filed Aug. 29, 1922

Fig. 3.

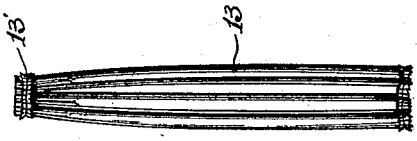


Fig. 2.

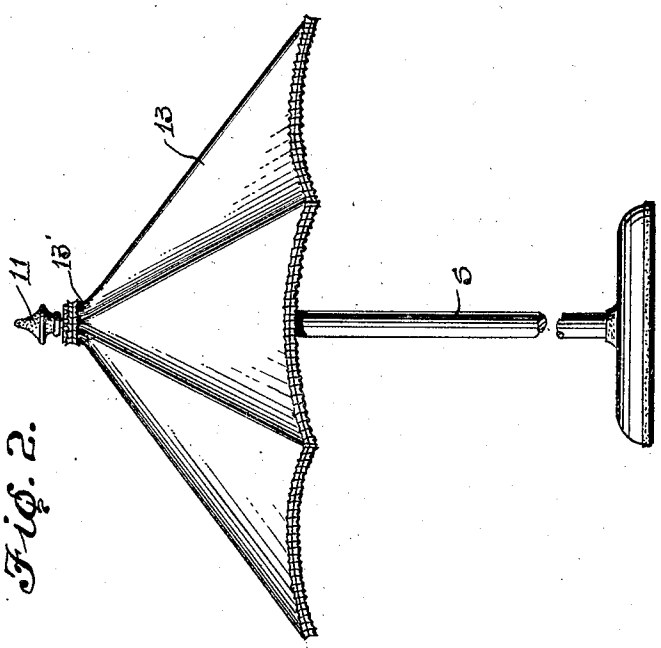


Fig. 1.

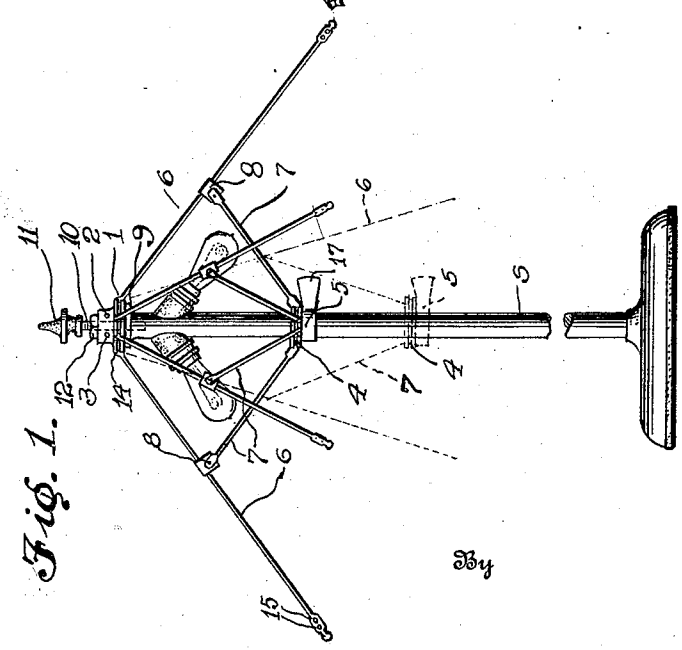


Fig. 5.

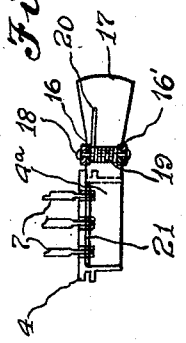
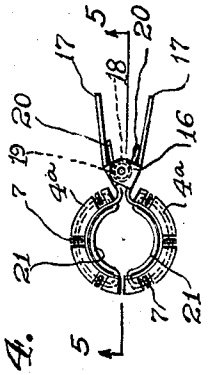


Fig. 4.



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UNITED STATES PATENT OFFICE.

ROSA M. AMORES, OF WASHINGTON, DISTRICT OF COLUMBIA.

DETACHABLE AND FOLDABLE LAMP SHADE.

Application filed August 29, 1922. Serial No. 584,957.

To all whom it may concern:

Be it known that I, ROSA M. AMORES, a citizen of the United States, residing in the city of Washington, in the District of Columbia, have invented certain new and useful Improvements in Detachable and Foldable Lamp Shades, of which the following is a specification.

This invention relates to ornamental shades for electric lamps and more particularly to shade holders and has for its principal object the provision of a shade holder that may be applied to standards of various types to be readily attachable thereto and detachable therefrom and conveniently foldable for facilitating storage and transportation.

The lamp shade forming the subject of this invention is adapted to be closed and folded when not in use so as to occupy very little space, and when open and attached to a lamp standard of any well known type to possess an ornamental appearance.

The principal object of the invention and other objects as might hereinafter appear are attained by providing a novel skeleton frame or holder adapted to be readily opened or closed equipped with a novel clamp whereby the frame or holder can be easily attached to and detached from the lamp standard. The frame has a suitable covering of fabric or any suitable covering material designed to impart to the shade a highly ornamental appearance.

For a complete description of the invention, reference is to be had to the following specification and the accompanying drawings in which:

Fig. 1 is a side elevation of the holder with the covering removed, the dotted lines showing the frame in lowered or semi-closed position, the holder being shown attached to a lamp standard;

Fig. 2 is a side elevation of the holder and the shade covering applied thereto comprising the shade attached to a lamp standard of any particular type;

Fig. 3 is a view showing the shade folded and detached from the standard, ready for storage or transportation;

Fig. 4 is plan view of the novel clamp forming an integral part of the holder; and

Fig. 5 is a sectional view of the clamp on the line 5—5 of Fig. 4.

Referring to the drawings, the reference character S represents a standard of any type that might be positioned on a floor or on a table, for instance, and to which the shade is attached. The shade holder or folding frame comprises the upper channelled ring member 1 provided with the upstanding annular flange 2 provided with holes 3 at spaced intervals therearound, the lower divided ring member 4 having the downwardly extending annular divided flange 5 and other parts to be described more in detail, the arms 6 hinged to the upper ring 1, and the braces 7 hinged to the arms 6 at 8 and the lower ring 4. In attaching the shade to the standard S, the threaded rod 10 having the ornamental head portion 11 and the nut 12 threaded on the rod 10 are first removed from the standard S and the ring 1 of the frame is seated on the upper end 9 of the standard after which the rod 10 is threaded into the upper end of the standard and the nut 12 is turned until it comes in contact with the upstanding flange 2 of the ring 1 and securely holds the ring against the upper end 9 in proper position. Then the lower ring 4 will be clamped in position on the upright of the standard as shown in full lines in Fig. 1 so that the arms 6 are in extended position and the shade cover 13 properly extended in the open position as shown by Fig. 2. The dotted lines in Fig. 1 show the shade in lowered position to shade the lights at any desired height or to partially close the shade for more convenient covering of the shade by covers during house-cleaning or at any other time.

The arms 6 of the frame are hinged to the upper ring 1 by means of a wire 14 which passes through the holes in the upper ends of the arms and is seated in the annular channel provided in the ring 1 as clearly shown by Fig. 1. The opposite ends of the arms 6 are each provided with one or two holes 15 whereby the cover 13 may be easily attached to the holder or frame, the holes 3 in the upstanding flange 2 of the ring 1 also serving for this purpose. It will be understood that a portion 13′ of the cover will be provided to conceal the nut 12 and the rod 10 and to increase the ornamental effect of the shade.

The lower ring or clamp 4 comprises two parts 4^a, each part being provided with inturned upper ears 16 and lower ears 16′ and finger members 17, the parts 4^a being con-

nected pivotally together by a pin 18 which passes through holes in the ears 16 and 16′ and is surrounded by a helical spring 19 which has its ends 20 bearing against the finger members 17 and the parts 4ª are thus resiliently held together and when the shade is attached to the standard will resiliently hold the shade in the desired position on the standard, as will be obvious. It will, of course, be understood that the parts 4ª comprise the annular channelled member 4 and downwardly extending flange 5, hereinbefore described. The braces 7 are hinged to the ring 4 by means of wires, one for each part 4ª of the clamp, these wires being designated by the numeral 21. Each wire 21 passes through holes in the lower ends of the braces 7 and is received in the channel of the part 4ª of the ring 4. The construction of this clamp is obviously very simple and permits the ready attachment and removal of the shade. To remove the shade from the standard, it is necessary only to unscrew the rod 10 from the standard and unclamp the ring 4. Then the shade may be folded into the shape shown by Fig. 3.

From the above description, it is apparent that the shade may comprise a new article of manufacture separate and distinct from the lamp standard, although, if desired, it may be designed for standards of some particular construction, the essential elements of the invention remaining the same. For example, the upper ring 1 and the lower ring 4 may be designed to fit a lamp standard of any peculiar construction, the ring 4 consisting essentially of a divided spring pressed clamp. However, most standards are of simple construction and are provided with shade holding means comprising the screw threaded rod 10 and sometimes the nut 12, and it will be understood that in case the nut is not provided the screw threaded rod 10 will hold the upper ring of the frame in position at the top of the standard.

In view of the above description, the advantages of the novel shade are obvious and it is readily apparent that the described arrangement permits of the easy attachment and detachment of the shade, the compact folding of the shade separate from the standard for storage or shipment, and the convenient adjustment of the shade on the standard for any desired purpose.

In view of what is disclosed, certain modifications or changes might suggest themselves but as the disclosure is illustrative only of the best mode of embodying the invention, the invention is not to be limited to the exact description except within the scope of the appended claims.

Having thus described my invention, what I claim and desire to secure by Letters Patent of the United States is:

1. As a new article of manufacture, a collapsible shade holder comprising an upper ring member, a lower ring member comprising two parts hinged together and spring pressed to form a clamp, shade supporting arms pivotally connected at their ends to the upper ring, and braces having their opposite ends pivotally connected to the lower member and to said arms intermediate their ends.

2. A lamp shade comprising a collapsible holder and a cover therefor, said holder comprising an upper ring member, a lower ring member comprising two parts hinged together and spring pressed to form a clamp, shade cover supporting arms pivotally connected at their ends to said upper ring, and braces having their opposite ends pivotally connected to the lower ring member and to said arms intermediate their ends, said cover being connected to said arms and to the upper ring member.

3. A shade holder comprising an upper member consisting of a channelled ring member and an upstanding flange having holes therein, a lower ring member consisting of a channelled member and a downwardly extending flange, said lower member comprising two parts in spring pressed relation to form a clamp, shade cover supporting arms pivotally connected at their ends in said upper channelled ring member, braces having their opposite ends pivotally connected to said lower channelled member and to said arms intermediate their ends, and a cover secured to said arms and to the upstanding flange of the upper member.

In witness whereof, I hereunto affix my signature.

ROSA M. AMORES.