June 21, 1932. B. H. SHAPIRO 1,863,767

LAMP SHADE AND LAMP

Filed Aug. 25, 1930

Fig. 1.

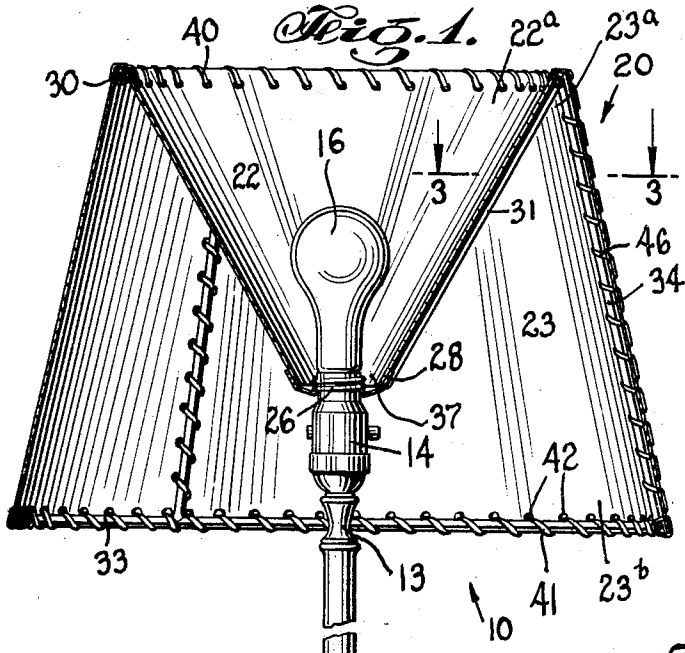


Fig. 4.

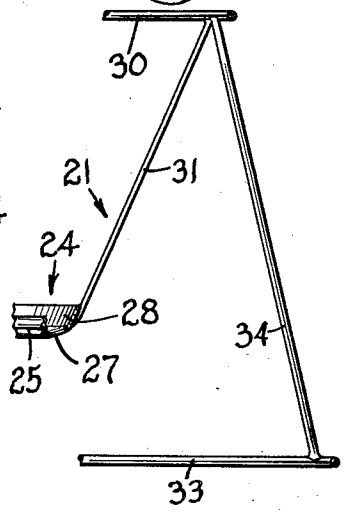


Fig. 3.

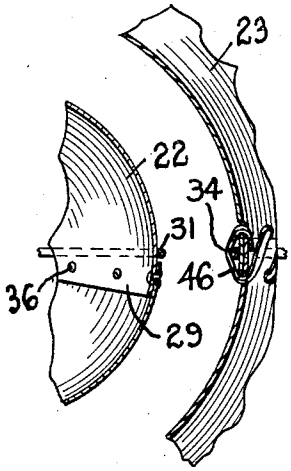
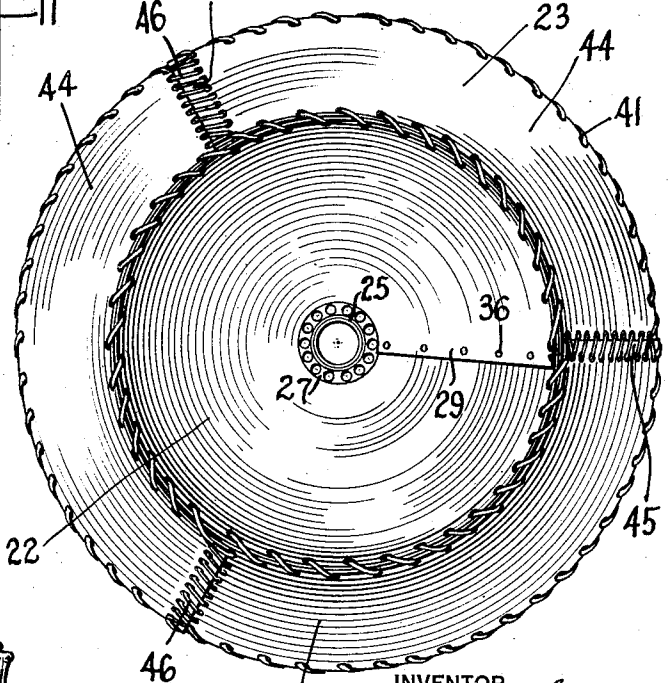


Fig. 2.



12

INVENTOR
Benjamin H. Shapiro
BY
Morris Finkelstein
ATTORNEY

Patented June 21, 1932

1,863,767

UNITED STATES PATENT OFFICE

BENJAMIN H. SHAPIRO, OF LAWRENCE, MASSACHUSETTS

LAMP SHADE AND LAMP

Application filed August 25, 1930. Serial No. 477,515.

This invention relates to lamps such as table or floor lamps and the like articles.

An object of this invention is to provide a lamp of the character described having means for casting light upwardly toward the ceiling whereby the light is diffused, said lamp nevertheless simulating the ordinary lamp having a shade for directing the light downwardly.

Another object of this invention is to provide a lamp having means for casting light upwardly and also for reflecting light downwardly, the lamp thus serving for reading and the like purpose; the outer portion of the lamp being made of translucent material so as to enhance the decorative effect in permitting a diffused light to be seen on viewing the lamp.

A further object of this invention is to provide a neat and rugged lamp of the character described, which shall be comparatively inexpensive to manufacture, comprise few and simple parts, easy to assemble and which shall yet be attractive in appearance, and practical and efficient to a high degree.

Other objects of this invention will in part be obvious and in part hereinafter pointed out.

The invention accordingly consists in the features of construction, combinations of elements, and arrangement of parts which will be exemplified in the construction hereinafter described, and of which the scope of application will be indicated in the following claims.

In the accompanying drawing, in which is shown one of the various possible illustrative embodiments of this invention,

Fig. 1 is a front elevational view of a lamp embodying the invention, with parts in cross-section;

Fig. 2 is a top plan view of the combined reflector and shade member removed from the stanchion;

Fig. 3 is a cross-sectional view taken on line 3—3 of Fig. 1; and

Fig. 4 is a partial view of the frame made in accordance with the invention.

Referring now in detail to the drawing, 10 designates a lamp embodying the invention, here shown for the purpose of illustration only, in the form of a table or floor lamp. The lamp 10 comprises a tubular stanchion or upright support 11 provided with a base 12 at the lower end thereof for supporting the lamp on a floor, table or the like surface. Attached to the upper end 13 of said stranchion is an upstanding lamp socket 14 of any suitable construction, adapted to receive an electric lamp 16.

Removably mounted at the upper end of the stanchion in the manner hereinafter appearing, is a combination reflector and shade member 20 adapted to cast the light from the lamp 16 upwardly towards the ceiling for producing a diffused illumination.

Said member 20 comprises a frame 21 mounting, in the manner hereinafter appearing, an upwardly and outwardly extending reflector member 22 and a downwardly and outwardly extending shade member 23. Said frame comprises an adapter 24 having an inner threaded portion 25 cooperating with an outwardly threaded portion 26 on said socket 14 for attaching the frame to said stanchion 11. Extending outwardly from said portion 25 is an annular preferably perforated portion 27 from which there extends an annular upwardly and outwardly tapering wall portion 28. Said frame 21 further comprises an annular ring 30 interconnected to said adapter 24 by a plurality of equal, equiangularly spaced rods 31, preferably by soldering said rods at the ends thereof to said ring and adapter. A second annular ring 33, greater in diameter than that of ring 30, is connected to the latter by a plurality of similar rods 34, likewise equiangularly spaced and preferably of greater length than said rods 31. The adapter, the rings 30 and 33 and the interconnecting rods thus form a single, rigid, integral unit.

The reflector 22 is conical in shape and preferably comprises a rolled sheet of parchment or the like material mounted on the inner side of the frame. The meeting edges 29 of the sheet may be interriveted as at 36. The lower edge 37 of said reflector is received in the adapter 24 and contacts the tapering surface 28 thereof. The shade member 23 is mounted on the outside of said frame 21, said

shade member preferably comprising sheets of parchment or the like material. The upper edge portions 22*a* and 23*a* of the reflector and shade respectively, are interconnected to the ring 30, disposed between said edges, by means of lacing 40 wound thru suitable openings adjacent said edge portions. The lower edge portion 23*b* of said shade is likewise laced by means of lacing 41, to the lower ring 33, said lacing extending thru suitable openings 42 in said edge portion. The shade may be made of a plurality of sheets 44 preferably corresponding in number to the number of rods 34, the edge portions 45 of said sheets being laced to said rods by lacing 46. The entire member 20 may be mounted by screwing to the threaded portion 26 of the socket 14.

It will now be understood that the inner reflector 22 reflects the light upwardly towards the ceiling for producing diffused illumination in the manner of a flood lamp. The lamp as a whole nevertheless resembles the ordinary table or floor lamp having an outer shade for reflecting the light downwardly, the inner reflector being concealed or housed by the outer shade which is disposed thereabout. The inner reflector 22 may be curved or otherwise suitably shaped, and made preferably of suitable material which will reflect and also transmit light so that some of the light will be transmitted to the inner surface of the outer shade 23 and reflected downwardly. With such construction, the lamp 10 will reflect light both upwardly and downwardly.

A dominant feature of the invention resides in the fact that the inner reflector is made of translucent material, whereby in addition to directing a light upwards in the manner of a flood lamp, the light is at the same time transmitted through the inner reflector and then reflected down, but the inner surface of the outer shade of the lamp may at the same time serve for reading and the like purposes. The outer shade may likewise be made of translucent material so as to enhance the decorative effect in permitting a diffused light to be seen on viewing the lamp.

It will thus be seen that there is provided a device in which the several objects of this invention are achieved, and which is well adapted to meet the conditions of practical use.

As various possible embodiments might be made of the above invention, and as various changes might be made in the embodiment set forth, it is to be understood that all matter herein set forth or shown in the accompanying drawing is to be interpreted as illustrative and not in a limiting sense.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. A combined reflector and shade member for a lamp comprising a rigid frame having an adapter portion provided with a screw threaded portion for attachment to a socket, a ring member connected to said adapter by a plurality of similar rods, and a second ring connected to said first ring by a plurality of equal rods, a reflecting surface on the inner side of said frame extending between said adapter and first ring, and a shade on the outer side of said frame extending between said first and second rings.

2. A lamp comprising a stanchion, a socket at the upper end thereof, said socket having a screw threaded portion, and a combined reflector and shade member mounted on said socket, said member comprising a rigid frame having an adapter portion having a screw threaded portion attached to said threaded portion of said socket, said adaptor further having an outwardly flaring conical portion, a ring member connected to said conical portion by a plurality of similar rods, and a second ring connected to said first ring by a plurality of equal rods, a reflecting member on the inner side of said frame extending between said adapter and first ring, the lower edge of said reflector being received within said conical portion and a shade on the outer side of said frame extending between said first and second rings, said reflector and said shade being attached to said frame by lacing wound about said rings and rods.

3. A combined reflector and shade member for a lamp comprising a rigid frame having an adaptor portion provided with an inner portion for attaching the frame to a support, and an upwardly and outwardly flaring conical portion, a ring member connected to said conical portion by a plurality of upwardly and outwardly extending similar rods, and a second ring connected to said first ring by a plurality of downwardly and outwardly extending similar rods, a reflecting member made of sheet material mounted on the inner surface of said frame, and extending between said adaptor and said first ring, the lower edge of said reflector being received within the conical portion of said adaptor, and a shade member made of sheet material on the outer side of said frame.

In testimony whereof I affix my signature.

BENJ. H. SHAPIRO.