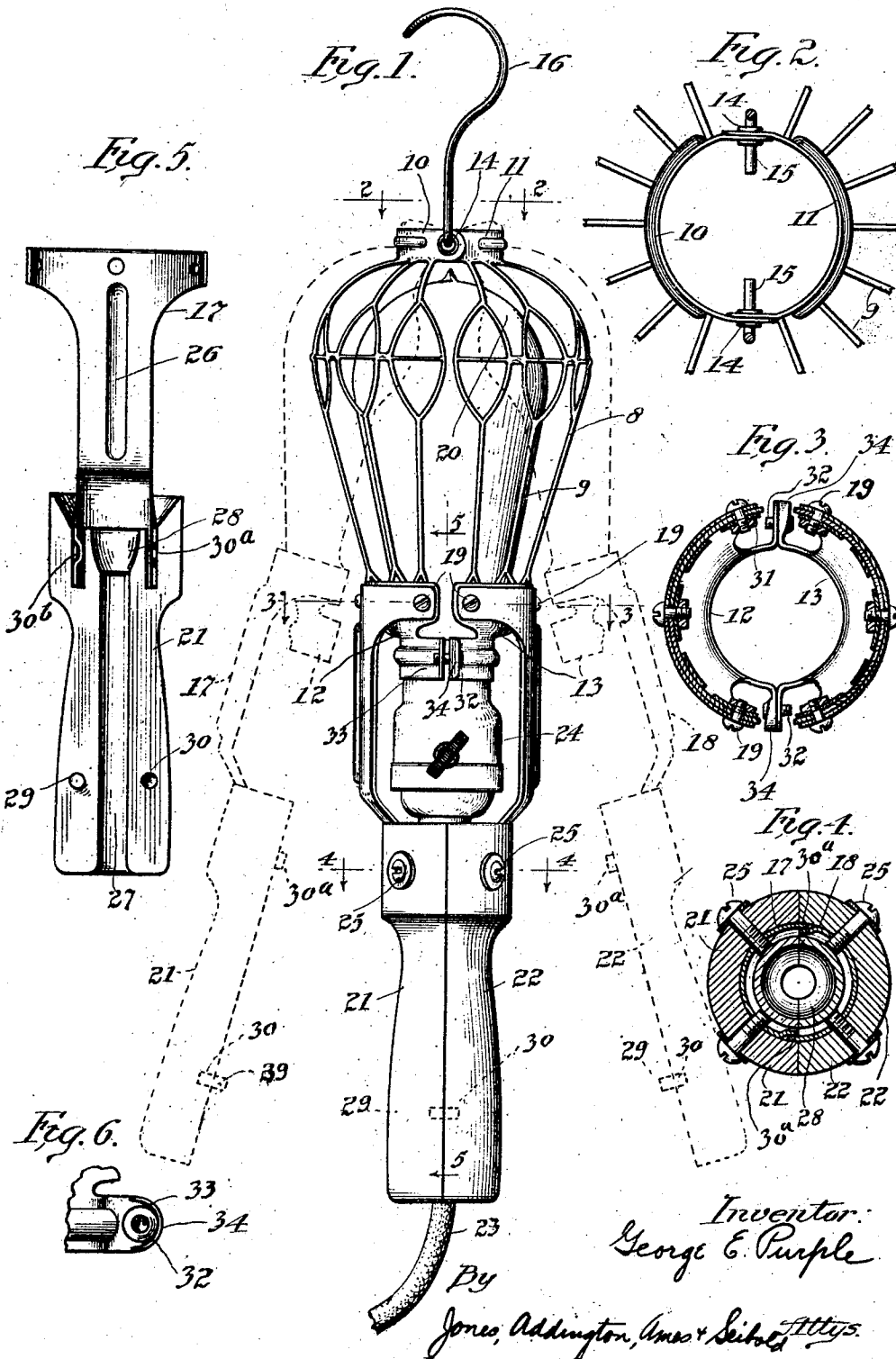


G. E. PURPLE.
 COMBINED LAMP GUARD AND HANDLE;
 APPLICATION FILED MAR. 3, 1919.

1,382,800.

Patented June 28, 1921.



Inventor:
 George E. Purple

By Jones, Addington, Ames & Seiber Attys.

UNITED STATES PATENT OFFICE.

GEORGE E. PURPLE, OF LA GRANGE, ILLINOIS, ASSIGNOR TO FLEXIBLE STEEL LACING COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

COMBINED LAMP-GUARD AND HANDLE.

1,382,800.

Specification of Letters Patent. Patented June 28, 1921.

Application filed March 3, 1919. Serial No. 280,217.

To all whom it may concern:

Be it known that I, GEORGE E. PURPLE, a citizen of the United States, residing at La Grange, in the county of Cook and State of Illinois, have invented new and useful Improvements in Combined Lamp-Guards and Handles, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawing, forming a part of this specification.

This invention relates to a combined lamp-guard and handle, and, more particularly, to a combined lamp-guard and handle which may be easily and rapidly positioned over the electric light bulb and the accompanying light socket and cord without in any manner whatsoever disturbing the interconnections or removing from their associated positions the cord, socket and lamp.

One of the objects of this invention resides in the provision of a combined lamp-guard and handle for the purpose of preventing breakage of electric light bulbs, which can be readily positioned over the cord, socket, and associated bulb and firmly and rigidly secured in this position without disturbing in any manner whatsoever the interconnection between the cord, socket, and bulb.

Another object of this invention consists in the provision of a device of this character which is neat and attractive in appearance, of very simple construction, and which may be readily manufactured and sold at a nominal cost.

A portable-lamp guard and handle constructed in accordance with the teachings of this invention is exceedingly useful and can be utilized in a large variety of places where the electric light bulbs are exposed to use which may cause breakage. Lamp-guards of this type can be used to great advantage in connection with extension cords, with lamps which are used with cords loosely suspended from the fittings or walls and which are thus subject to vibration and might consequently be broken, and in a large variety of other places.

Other objects of this invention will become apparent from the following description and the appended claims.

For the purpose of illustration, the preferred embodiment of my invention is illustrated in the accompanying drawings, in which—

Figure 1 is a view in elevation of the com-

plete structure and illustrates the manner in which the combined lamp-guard and handle is inclosed about the electric light bulb and the accompanying socket and cord without in any way disturbing their interrelated position;

Fig. 2 is a plan view of the top of the guard looking down from the plane indicated by the line 2—2 in Fig. 1 looking in the direction of the arrow;

Fig. 3 is a transverse section taken on the plane indicated by the line 3—3 in Fig. 1 looking in the direction of the arrow;

Fig. 4 is a section taken on the plane indicated by the line 4—4 in Fig. 1 looking in the direction of the arrow, and shows a cross-section of the handle; and

Fig. 5 is a view in elevation of the inner side of the associated handle.

Fig. 6 is a fragmentary view of a portion of the lamp-guard.

The preferred form of my invention as illustrated in the drawings comprises, a lamp-guard 8 preferably made of expanded metal but which may, obviously, be made of any other suitable material, such as wire, which will properly protect the bulb and at the same time readily transmit the light rays.

The guard 8 comprises a plurality of longitudinal ribs 9 which are secured at the top of the guard to semi-circular interlocking disks 10 and 11 and at the bottom of the guard to two other semi-circular disks 12 and 13. The upper semi-circular disks 10 and 11 are pivotally interconnected by means of eyelets such as 14, these eyelets serving as a means to receive the inwardly-projecting ends 15 of a spring hook 16. The hook 16 is used to hang up or suspend the guard and its associated apparatus.

Secured to the upper portion of each of the semi-circular disks 12 and 13 are metallic brackets 17 and 18, respectively, the brackets being secured to the disks 12 and 13 by any suitable means, preferably by screws such as 19. The brackets 17 and 18, as clearly illustrated in the drawings in Fig. 1, serve as the interconnecting means between the guard 8 which protects the electric light bulb 20, and the two parts of the handle 21 and 22 which inclose the cord 23 that electrically interconnects the socket and bulb with the source of power. The brackets 17 and 18, as indicated in the drawings, partially inclose the socket 24. The handles

21 and 22 are made of any insulating material, preferably wood, and are secured to the brackets 17 and 18, respectively, in any suitable manner, preferably by screws such as 25. As indicated in Fig. 5 the brackets 17 and 18 are provided with a strengthening rib such as 26.

The handles 21 and 22 are fitted with a semi-circular slot 27 provided with an enlarged portion 28 at the top thereof, said slot serving to receive and completely inclose the cord 23. Each section 21 and 22 of the handle also carries a dowel such as 29 fitted with an aperture 30, said dowels cooperating with the apertures to positively position the handle in its proper place.

The handle-supporting brackets 17 and 18, as hereinbefore stated, are preferably secured to the guard 8 by means of the screws 19 and cooperating nuts such as 31. In order to properly position the bracket 17 and 18, with respect to each other, each of said brackets is provided with a lug 30^a and with a recess 30^b, the lugs 30^a and recesses 30^b being so positioned that the lug 30^a of the bracket 17 will engage the recess 30^b of the bracket 18 and vice versa when the parts are in assembled position. Due to this flexible and adjustable interconnection between the guard 8 and the handle-supporting brackets 18 and 19, it will be apparent that this handle construction may be readily adapted to and positioned on the regular lamp-guards now in use not provided with handles, by merely securing handle-supporting brackets such as 17 and 18 thereto by means of screws such as 19 and cooperating nuts 31.

The necessary operation for positioning the combined lamp-guard and handle over an electric light bulb and its associated socket and cord will now be briefly described, as follows: The two longitudinal sections of the guard and handles are first separated from each other so as to be free to swing about the eyelet pivots 14 by unscrewing the screws such as 32 which hold these two parts together. When these screws have been removed these sections of the combined guard and handle may be readily moved, with respect to each other, about the pivots 14 and into the position indicated by broken lines in Fig. 1. In this position the complete apparatus may be readily placed over the combined globe or lamp 20, the socket 24, and the cord 23. The two longitudinal sections are now brought together over the globe, socket, and cord and then securely clamped in position by means of the screws 32; the entire apparatus being held in position by the clamping ring 33 which is mounted and positively held in position on the socket 24 because of the clamping action exerted by the ring 33 on the said socket on the tightening of the screws 32.

The heads of these screws may if desired, be made conical (so that they cannot be readily gripped by pliers and thus removed by unauthorized persons) and are provided with key engaging recesses into which special keys can be fitted for operating the screws. In order to make the screws still more difficult to get at with an ordinary pair of pliers, the ears 33 through which the screws 32 are inserted are provided with up-standing flanges 34, surrounding heads of the screws 32, so that they will prevent anyone from getting hold of the lower edge of the head of the screw, by means of a pair of pliers.

It will thus be apparent that the guard and handle constructed in accordance with this invention can be very readily, rapidly, and efficiently positioned over a globe, socket, and associated cord without in any way disturbing the interrelationship between the cord, socket and globe. Heretofore, when it was desired to place a combined guard and handle in position it was necessary ordinarily to disconnect the socket, pull the cord through a longitudinal bore in the handle, and then reconnect the socket and thereafter place the globe in position, after which the two halves of the guard were brought together over the globe and locked into position.

The ease and rapidity with which the combined guard and handle can be placed in position, and its ready adaptability for purposes of protection of lamp-globes, to any and all forms of globes and sockets connected to flexible cords, makes the apparatus of this invention an extremely useful and an exceedingly efficient commercial apparatus.

The handle may be sold separate from the guard, and may be applied to guards which are already in use.

Obviously, the invention is not limited to the specific construction thereof herein illustrated and described, but is capable of many variations, within the spirit and scope of the invention, as set forth in the following claims.

I claim as new and desire to secure by Letters Patent of the United States:

1. A combined lamp guard and handle comprising a guard, having two portions which between them embrace the bulb of the lamp, and a handle comprising two portions which between them embrace the conductor leading to the lamp and means for connecting one of said handle portions to one of said guard portions and the other handle portion to the other guard portion.

2. A combined lamp guard and handle comprising a lamp guard having two portions pivotally connected together which between them embrace the lamp bulb, a handle comprising two portions which between them

embrace the conductor leading to the lamp and means for connecting one of said handle portions to one of said lamp guard portions, and the other handle portion to the other lamp guard portion.

3. A lamp guard comprising two ear portions to be clamped together, means for clamping said portions together comprising a screw having a conical head provided with key engaging means, one of said ears having an integral peripheral arcuate flange struck up therefrom extending upwardly circumferentially alongside of the edge of the head of said screw.

4. In combination, a lamp-guard and handle comprising a sectional guard and handle comprising two sections each section comprising a handle portion and a guard portion and eyelets for hingedly securing said sections together, whereby the sections may be rotated to inclose a lamp, socket and cord, means to secure said sections in position over said lamp, socket, and cord, and a suspension means coöperating with said eyelets.

5. In a device of the character described, in combination, a sectional lamp-guard, brackets secured to said lamp-guard sections and serving to inclose an electric socket, a sectional handle secured to said bracket and provided with grooves to receive the electric light cord, means for hingedly securing the sections of said lamp-guard, brackets, and handle together and whereby said guard, brackets, and handle may be positioned about a lamp, socket and cord in assembled

relationship, and means for securing said guard, brackets, and handle in position when thus assembled about the lamp, socket, and cord.

6. In a device of the character described, in combination, a unitary lamp-guard and handle longitudinally sectioned, means for hingedly interlocking said sections, whereby the said sections may be rotated into position about a lamp, socket, and cord in assembled relationship, and means for locking said guard and handle in position about said lamp, socket, and cord when thus positioned.

7. In a device of the character described, in combination, a sectional lamp-guard, a sectional handle secured to the sections of said lamp-guard, eyelets for hingedly interconnecting the sections of said guard and said handle, whereby said guard and handle may be rotated into position about a lamp, socket, and cord, and a suspension means for said guard and handle removably fitted in said eyelets.

8. In a device of the character described, in combination, a sectional lamp-guard, tubular eyelets the axes of which extends transversely to the axis of the guard for hingedly interconnecting the sections of said guard, whereby said guard may be rotated into position about a lamp, and a suspension means for said guard fitted in said eyelets.

In witness whereof, I have hereunto subscribed my name.

GEORGE E. PURPLE.