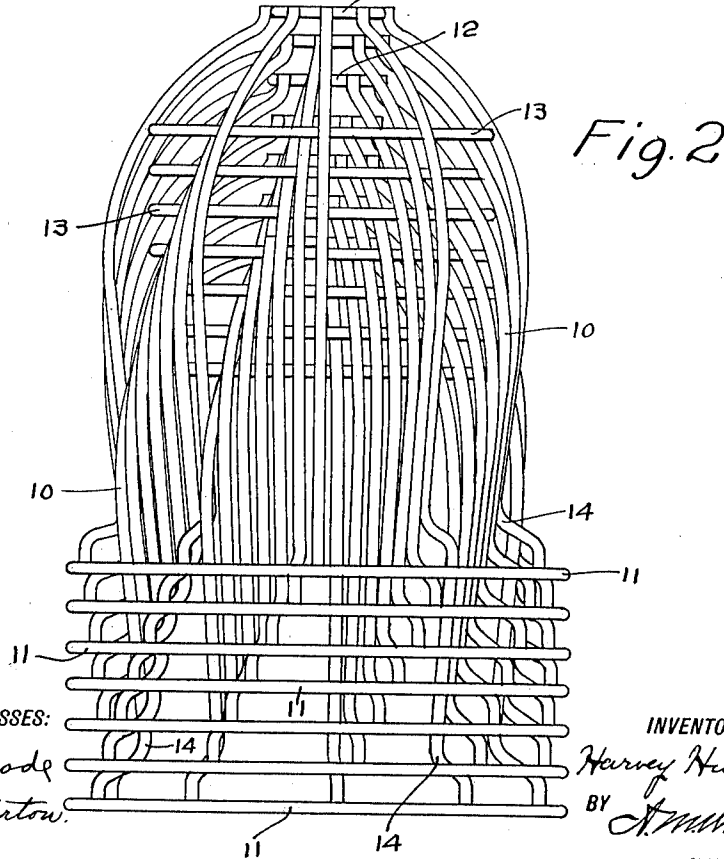
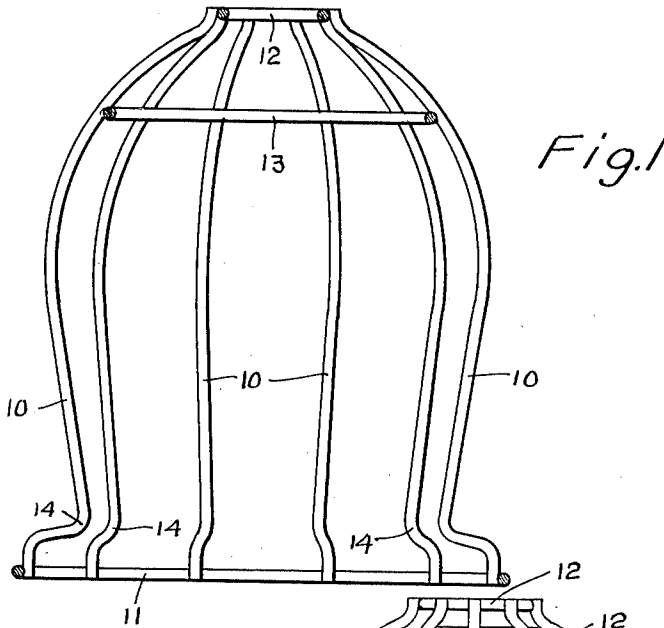


H. HUBBELL.
NESTING LAMP GUARD.
APPLICATION FILED MAY 11, 1911.

1,012,553.

Patented Dec. 19, 1911.



WITNESSES:

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NESTING LAMP-GUARD.

1,012,553.

Specification of Letters Patent.

Patented Dec. 19, 1911.

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To all whom it may concern:

Be it known that I, HARVEY HUBBELL, a citizen of the United States, residing at Bridgeport, county of Fairfield, State of Connecticut, have invented an Improvement in Nesting Lamp-Guards, of which the following is a specification.

This invention has for its object to provide guards for incandescent lamps, so constructed that they will nest for shipment. All guards of this character heretofore produced have been so shaped and constructed that they would only pass within each other to a limited extent, which necessitated a great deal of room for storage and large cases for shipment.

My present invention enables me to nest the guards closely together so that they require relatively but little room for storage and a large number of the guards may be packed in a relatively small case for shipment, thus adding greatly to the convenience of the manufacturer and dealer in handling, storing and shipping and effecting an important saving in the cost of production, which necessarily includes the items of handling, storing and shipping.

With these and other objects in view I have devised the novel nesting lamp guard which I will now describe, referring to the accompanying drawing forming a part of this specification and using reference characters to indicate the several parts.

Figure 1 is a sectional view of my novel lamp guard; and Fig. 2 is an elevation showing the manner in which the guards nest together.

I have not shown means for attaching the guards to a lamp socket as my present invention relates solely to the structure of the guard itself.

My novel guard is made wholly from wire and comprises longitudinal strips or elements, indicated by 10, a bottom ring indicated by 11, a top ring indicated by 12 and an intermediate ring indicated by 13. In the present instance, the top ring is shown as made small enough to prevent the removal of or any interference with the lamp.

The guard as a whole is required to be of suitable shape and size to inclose the lamp and guard it against breakage. The parts

or elements may be secured together in any ordinary or preferred manner but are preferably secured together by electric welding, so that the guard is made integral and the use of solder is avoided.

In the present instance in order to give a neat and attractive configuration to the guards independently, the longitudinal elements are each provided with a single inwardly extending bend, just above the bottom ring 11, as at 14, so that each guard is provided just above the bottom ring with a shoulder formed by the bends of the longitudinal elements upon which the bottom ring of the next guard rests in nesting as clearly shown in Fig. 2. Above the inward bends the longitudinal elements curve outward again and then curve inward to their point of engagement with the top ring forming the bulb of the guard which corresponds approximately in configuration with the bulb of an incandescent lamp. The bottom ring is made of slightly greater diameter than the bulb so that it will pass over the bulb of another guard freely, and the intermediate ring is placed relatively near the apex of the bulb, the parts being so proportioned and arranged that the guards will nest solidly, the bulbs passing through the bottom rings freely, the longitudinal elements intermeshing and the intermediate rings contacting with the longitudinal elements of the contiguous guards.

In nesting, the guards are simply slipped one over the other, the inward bends of the upper guard passing between the longitudinal members of the guard below it, the bottom ring of the upper guard resting upon or lying contiguous to the shoulder of the guard below it and the intermediate ring of the upper guard resting upon or lying contiguous to the bulb of the guard below it above the swell of the bulb. In Fig. 2, the guards are shown as placed in spiral arrangement. This, however, is not necessary in practice as the guards may be simply slipped one over the other without special regard to the position of the longitudinal elements so long as they intermesh, and when the required number have been placed in engagement they may be closed together as tightly as required; that is until the bottom and intermediate rings of each guard

engage the guard below it, should it be required to nest them as closely together as possible.

Having thus described my invention I
5 claim:

1. As an improvement in nesting lamp guards, a guard comprising longitudinal elements curved to form a body of bulbous contour, means for securing said elements
10 together at one end, and a bottom ring for securing said longitudinal elements together at the other end, said ring being of greater diameter than the bulbous body portion of the guard, said longitudinal elements being
15 each provided with a single inward bend adjacent said bottom ring to form a shoulder upon which the bottom ring of a second lamp guard will rest when said guards are in nested relation.

20 2. As an improvement in nesting lamp guards, a guard comprising longitudinal elements, means for securing said elements together at the top, and bottom and intermediate rings secured to said longitudinal
25 elements, said longitudinal elements being curved to form a bulbous contour and said intermediate ring being near the apex of the

guard, whereby said intermediate ring will rest upon the bulbous body of another guard when said guards are in nested re- 30
lation.

3. As an improvement in nesting lamp guards, a guard comprising longitudinal elements, and top, bottom and intermediate rings secured to said longitudinal elements, 35
said longitudinal elements being curved to form a bulbous contour, said intermediate ring being adjacent the top ring and near the apex of the guard, whereby said intermediate ring will rest upon the bulbous 40
body of another guard when said guards are in nested relation, said longitudinal elements being bent inwardly adjacent said bottom ring to form a shoulder upon which the bottom ring of a second lamp guard 45
will rest when said guards are in nested relation.

In testimony whereof I affix my signature in presence of two witnesses.

HARVEY HUBBELL.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."