

O. S. RYERSON.
 LAMP GUARD.
 APPLICATION FILED AUG. 3, 1908.

1,003,515.

Patented Sept. 19, 1911.

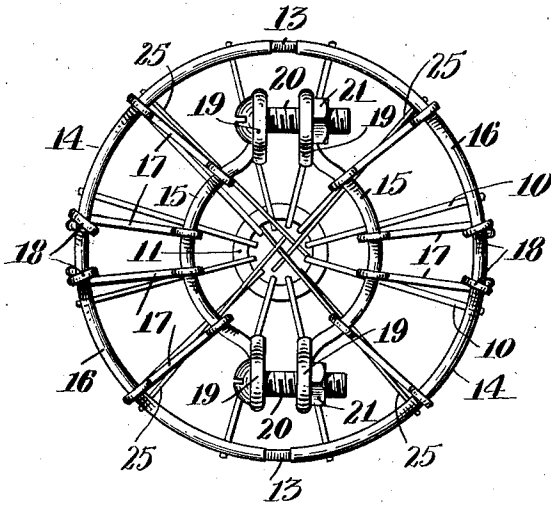


Fig. 1.

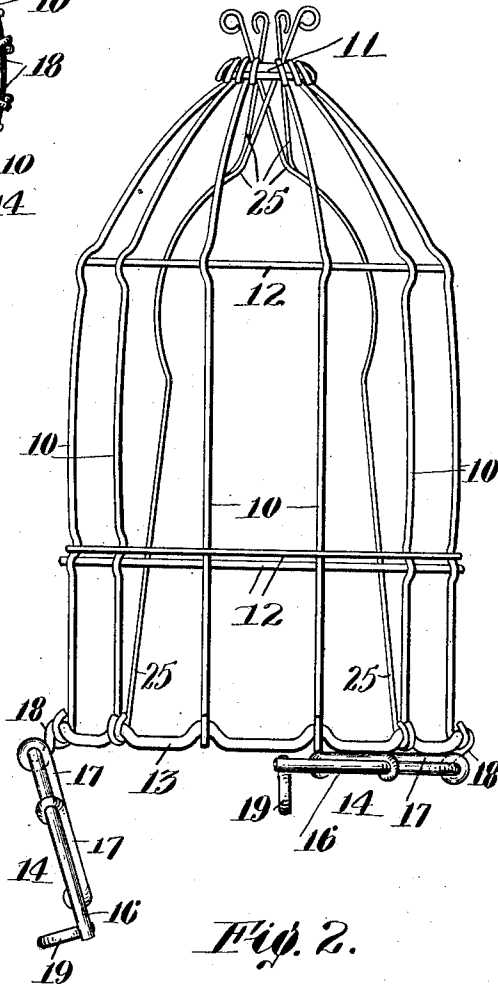


Fig. 2.

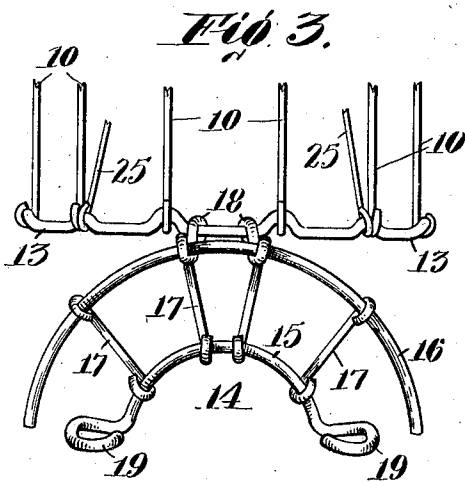


Fig. 3.

Witnesses:
 C. F. Mason.
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UNITED STATES PATENT OFFICE.

OSCAR S. RYERSON, OF WORCESTER, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO
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LAMP-GUARD.

1,003,515.

Specification of Letters Patent. Patented Sept. 19, 1911.

Application filed August 3, 1908. Serial No. 446,613.

To all whom it may concern:

Be it known that I, OSCAR S. RYERSON, subject of the King of Great Britain, residing at Worcester, in the county of Worcester and State of Massachusetts, have invented a new and useful Lamp-Guard, of which the following is a specification.

This invention relates to a lamp guard for protecting incandescent and similar lamps.

The principal objects of the invention are to provide a simple and inexpensive closure for the open end of that type of lamp guards which are closed at one end permanently to protect the outer end of the lamp, and into which the lamp is inserted from the open end; also to provide such construction of closing frames for the open end of the guard that that end of the lamp will be fully protected and the guard will be held rigidly thereon on account of the shape of the closing frames; and to provide means for detachably connecting the frames together so that they will be fixed in position on the lamp; also to provide in combination therewith means inside the guard for holding the guard on the lamp in substantially fixed position.

Further objects and advantages of the invention will appear hereinafter.

Reference is to be had to the accompanying drawings which show certain preferred forms of the invention, and in which—

Figure 1 is an end view showing the closing frames in closing position for holding a lamp therein; Fig. 2 is a side view of the same showing one of the frames in open position; and Fig. 3 is a sectional view of a detail.

The invention is shown as applied to a well-known form of lamp guard having longitudinal wires 10 bent inwardly at one end and connected with an end ring 11 to close the end of the guard, and to protect the end of the lamp. This guard is provided with circular wires or rings 12 in a well-known manner, and is provided with an open end bounded by an end ring 13. On this end ring are pivotally mounted a plurality of frames 14, each consisting of two curved pieces of wire 15 and 16 connected by cross wires 17 which may be conveniently placed in radial position as indicated. If

two of these frames are employed, each is substantially semi-circular in form, or as the inner members 15 are curved they may be considered as segmental. Two of the cross wires are twisted around the outside wire 16 and then brought inwardly and given another twist around the end ring 13 so as to form a pivotal joint 18 about which the frame may swing to the two positions indicated in the figures. The inner wires of these frames are preferably provided with eyes 19 by which the frames may be secured together. This is accomplished in the form shown in the drawings by means of bolts 20 passing through the eyes and nuts 21 on the bolts to fix them in position. It will be seen that the frames are capable of swinging outwardly on the guard, and that when brought inwardly to hold the guard in position on the lamp, they have a substantially circular recess through which the neck of the lamp extends. It will also be understood that if desired one of these frames may be fixed in stationary position and only one of them be mounted to swing on the guard. The lamp passes through the circular recess in the center so as to hold the guard in position thereon, but it is preferred to combine with this a series of flexible wires 25 extending from the end ring 13 through the end ring 11 so as to engage the lamp and properly hold the guard resiliently thereon.

One or more of the frames 14 may be opened to allow the guard to be put on or removed from the lamp, and when in position the nuts are screwed up to hold the guard closed and to hold it on the lamp.

While I have illustrated and described a preferred embodiment of the invention, I am aware that many modifications may be made therein by any person skilled in the art without departing from the scope of the invention as expressed in the claims. Therefore, I do not wish to be limited to the details of construction shown, but

What I do claim is:—

In a lamp guard, the combination of longitudinal members bent inwardly at one end and connected together to close the end of the guard, said guard being open at the other end and having resilient means therein for engaging an incandescent lamp and holding it in position with respect to the

guard, and a pair of frames pivoted to opposite sides of the open end of said guard and adapted to swing inwardly to close the same, said frames being of segmental shape
5 and having means in the interior for receiving the neck of the lamp.

In testimony whereof I have hereunto set

my hand, in the presence of two subscribing witnesses.

OSCAR S. RYERSON.

Witnesses:

A. E. FAY,

E. M. ALLEN.

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