

P. SØRENSEN.
LAMP GUARD.
APPLICATION FILED JUNE 2, 1911.

1,055,427.

Patented Mar. 11, 1913.

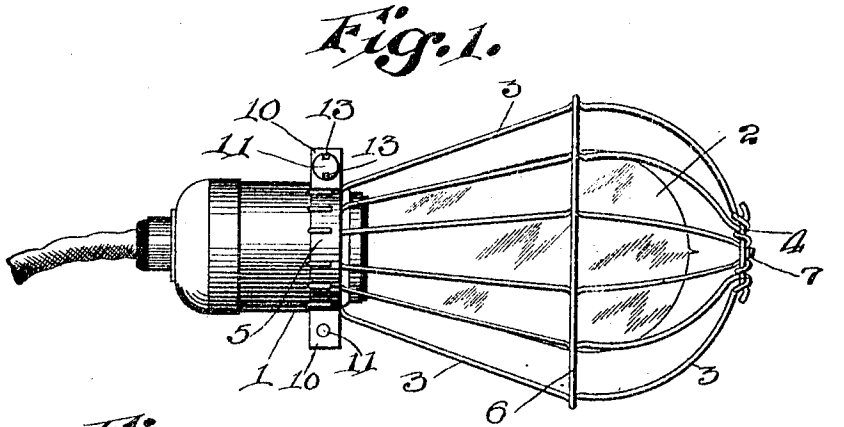


Fig. 2.

Fig. 3.

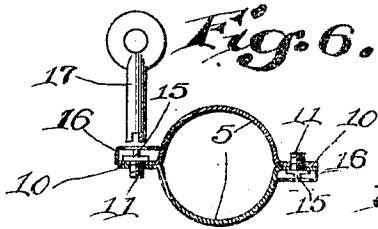
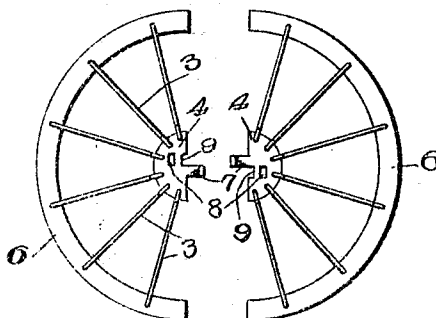
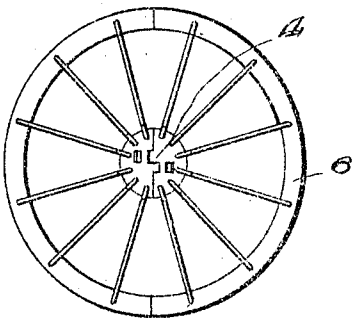
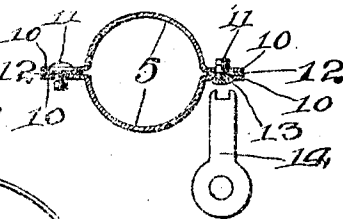


Fig. 4.

Fig. 5.



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LAMP-GUARD.

1,055,427.

Specification of Letters Patent.

Patented Mar. 11, 1913.

Application filed June 2, 1911. Serial No. 630,846.

To all whom it may concern:

Be it known that I, PETER SORENSEN, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Lamp-Guards, of which the following is a specification.

My invention relates to guards for incandescent electric lamp bulbs and has for the primary object to provide a lamp guard capable of being shipped in small packages and thus reduce the cost of shipping and economize storage space.

A further object is to provide a knock-down lamp guard which can be easily and quickly assembled and locked in position about an electric lamp.

According to this invention the lamp guard is made in detachable sections, each complete in itself, and having means for quickly and detachably securing the sections together and locking them about the lamp bulb. When detached the sections can be fitted within each other and thus packed in much smaller space than when the guard is made as one unit.

The invention consists in the improved lamp guard and in the details of construction and combinations of parts hereinafter more particularly described and then specified in the claims.

In the accompanying drawings, Figure 1 is a side elevation of a lamp and socket having my invention applied thereto. Fig. 2 is an end elevation of the lamp guard shown in Fig. 1. Fig. 3 is a similar view showing the guard detached. Fig. 4 is a transverse section through the clamping device and also shows the operating key. Fig. 5 is a side elevation of one of the guard sections. Fig. 6 is a transverse section of a modified locking clamp and its operating key.

In the drawings, 1 indicates a lamp socket of any suitable type and 2 the lamp bulb fastened therein. The lamp guard surrounding and protecting the bulb 2 is made in preferably two sections, each a duplicate of the other, although it will be understood that the guard may be made up of more than two sections if desired and without departing from the spirit of the invention. Each of the sections is made up of a number

of longitudinal members or wires 3 following the general outline of the lamp bulb and securely fastened at one end to a head 4 common to all the longitudinal wires of a section. The other ends of the wires 3 are secured in any suitable manner to a semi-circular band or clamping member 5. 6 indicates a semi-circular transverse strengthening member to which the wires 3 are secured in any suitable manner to add rigidity to the guard section.

Each head 4 is provided with a tongue 7 projecting outward and terminating in an upturned end or hook and is also provided with an opening 8 in such position that when the heads 4 of the guard sections are brought together edge to edge the hook end of the tongue of one head will pass up through the opening 8 in the opposite or companion head of another section and thus fasten the sections together. An offset 9 in the meeting edge of each head alongside the tongue 7 and in line with the opening 8 allows for the shank of the tongue and permits the edges of the head to come into close contact.

When the sections of the lamp-guard are hooked together by the heads 4, the clamping bands 5 are fastened together and clamped about the lamp socket 1. While, as regards the generic invention, I do not limit myself to any particular means for securing and clamping the band 5 about the lamp socket, I nevertheless preferably employ a lock fastener or screw for fastening this end of the sections together so that the guard cannot be removed from the lamp without the use of a special form of key. Preferably each semi-circular band or clamping member 5 terminates at each end in a radially disposed ear 10, one of the ears of each member having a screw 11 suitably fastened thereto and the other being provided with a screw-threaded hole adapted to receive the threaded shank of the screw 11 of the clamping member of the other guard section when the sections are brought together. Preferably the screw 11 is permanently held to its clamping ear by a washer 12 engaging the opposite surface of the ear to that engaged by the head.

The edges of the heads of the screws 11 are preferably flush with the surface of the ear 10 and provided with separated recesses

or cavities 13 which must be entered by the prongs of a special key 14 when it is desired to unlock the guard.

- A modification in the form of locking screw is shown in Fig. 6. In this modification the head of the locking screw is provided with a projecting ridge 15 and the head is located in a pocket formed by a cap 16 suitably secured to one of the ears 10. This cap serves both to hold the screw to its clamping ear and also to prevent the screw being operated except by the special key 17 which is adapted to enter the pocket through an opening in the cap 16 and which is provided with a groove 18 in the end thereof to engage and grasp the ridge 15 on the screw head.

- It will be noted that the guard sections are each duplicates of the other and when knocked down will fit within each other to economize space in packing and storage. Also that the various parts of the framework or cage of each section are securely fastened together when detached from any other section and by the detachable fastening means shown become securely united into a complete and rigid guard when assembled.

- The two sections of the guard are assembled by first inserting the tongues 7 into the openings 8, the other ends of the sections being separated to insert the tongues in the holes, after which the free ends of the sections are closed about the lamp socket or support by turning the sections about the interlocked heads as a pivot, the shape of the tongues serving to hold the sections together through a greater or less angle.

- It will be understood that my invention is not limited to the various details of construction as shown and described but various

modifications and equivalents might be resorted to without departing from the spirit thereof as set out in the appended claims.

What I claim as my invention is:—

1. A lamp guard comprising two units entirely separable from each other and each consisting of a rigid framework, and means for detachably securing said units to each other and to a lamp socket.

2. A lamp guard consisting of sections bodily detachable from each other, each section comprising a series of wires secured at one end to a common head, means for detachably fastening the heads of the sections together and means adapted to clamp the other ends of the sections to the lamp support.

3. A lamp guard comprising detachable sections, each section comprising a series of wires secured at one end to a common head, a tongue and slot device adapted to detachably secure the heads of the sections to each other and means adapted to fasten the other ends of the sections to a lamp support.

4. A lamp guard comprising duplicate longitudinal sections adapted to be entirely detached from each other to fit one within the other and each section comprising a wire framework having a common head at one end and a clamping member at the other, means for detachably securing the heads of the sections together and means for locking the clamping members about a lamp socket.

Signed at New York in the county of New York and State of New York this 1st day of June A. D. 1911.

PETER SORENSEN.

Witnesses:

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