

H. HUBBELL.
LAMP GUARD.
APPLICATION FILED AUG. 11, 1910.

989,013.

Patented Apr. 11, 1911.

Fig. 1

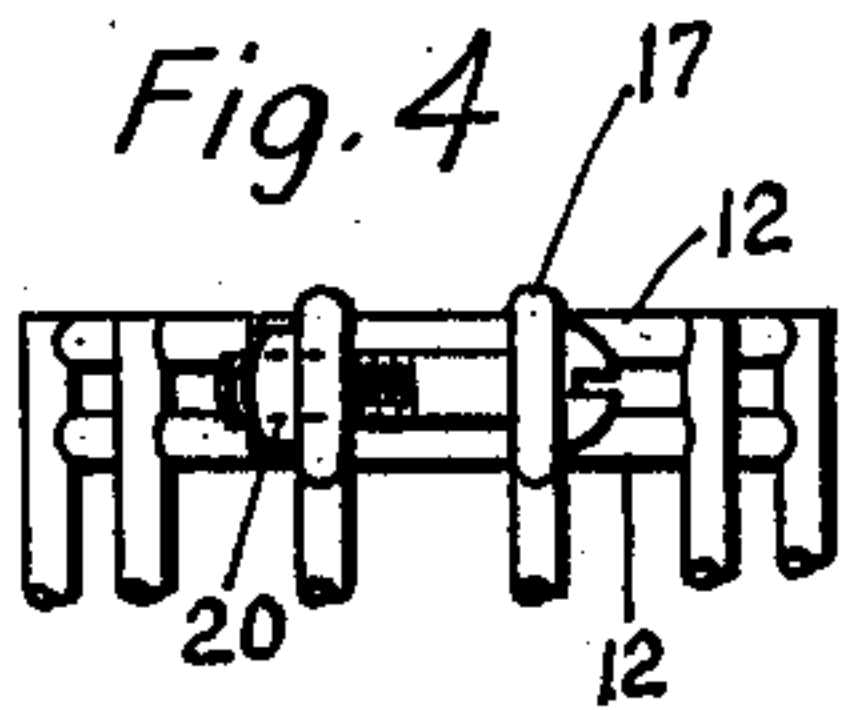
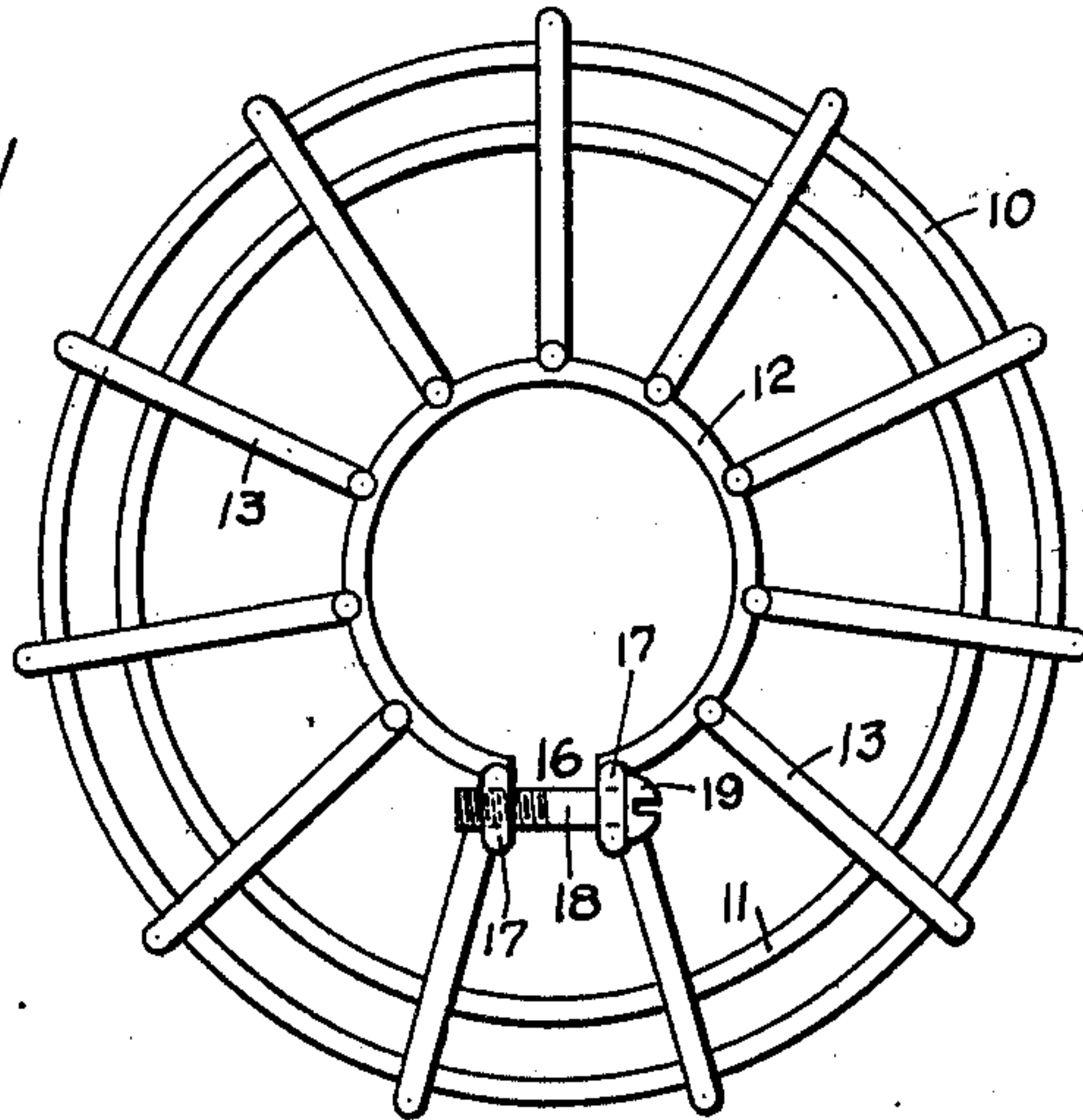
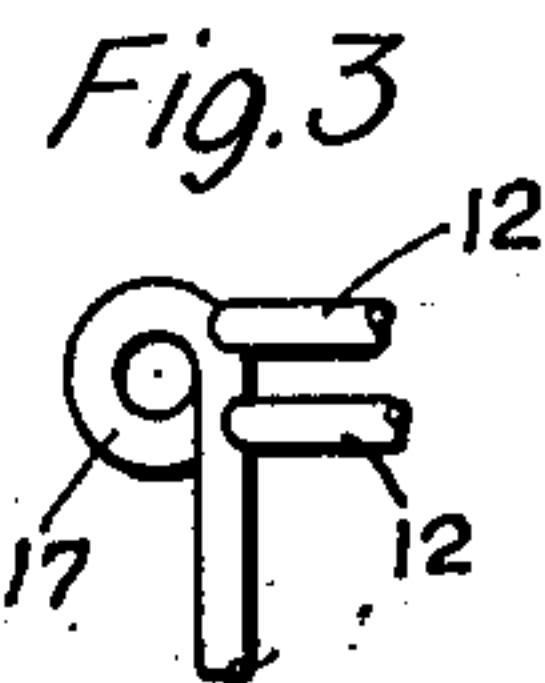
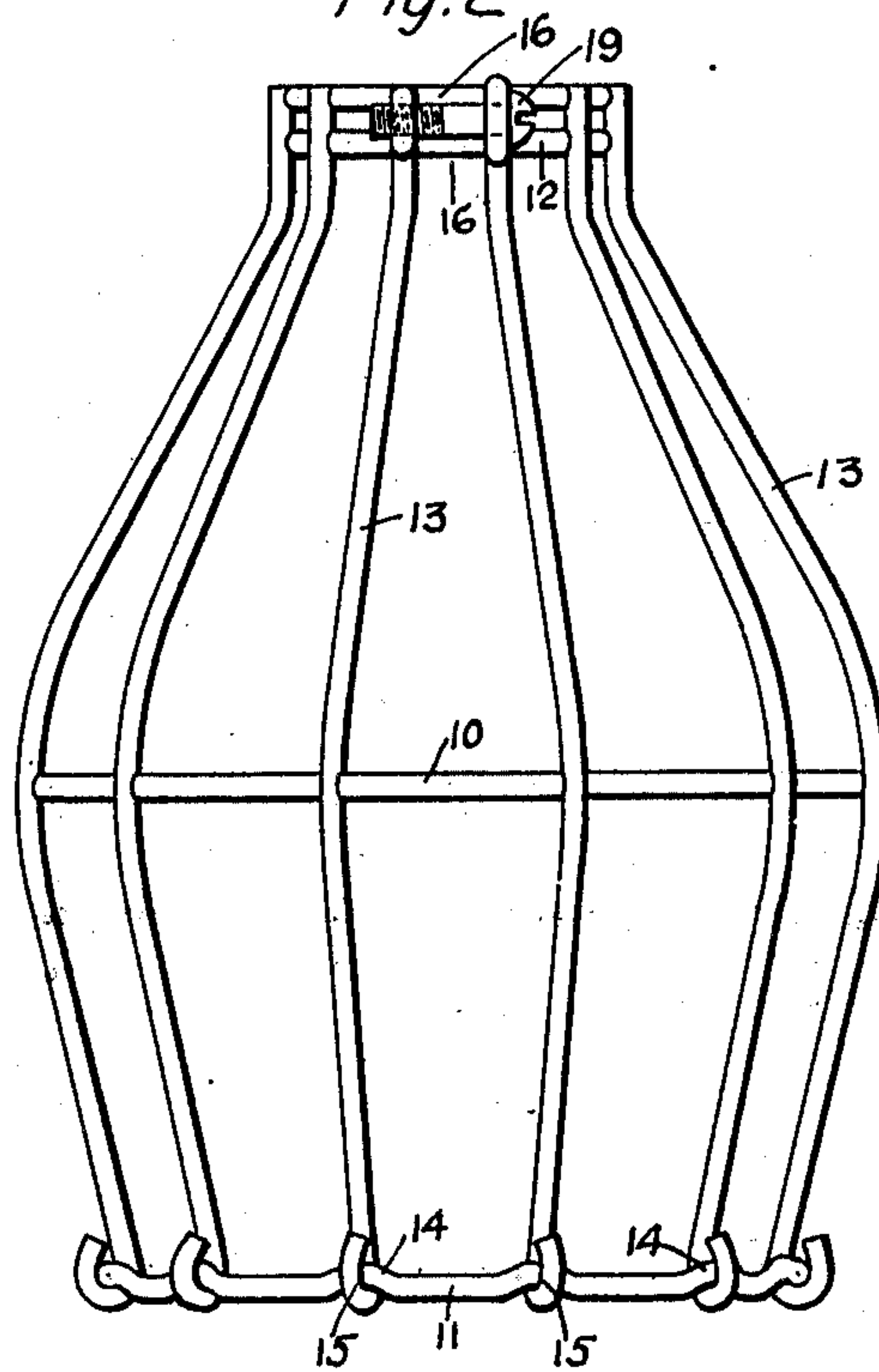


Fig. 2



WITNESSES:

H. W. Meade
S. W. Aikerton.

INVENTOR

Harvey Hubbell

BY

A. M. Croster
ATTORNEY

UNITED STATES PATENT OFFICE.

HARVEY HUBBELL, OF BRIDGEPORT, CONNECTICUT.

LAMP-GUARD.

989,013.

Specification of Letters Patent.

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Application filed August 11, 1910. Serial No. 576,692.

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 Lamp-Guards, of which the following is a specification.

This invention has for its object to produce an incandescent lamp guard which shall be neat and attractive in appearance and in which the cost of construction shall be reduced to the minimum.

With these and other objects in view I have devised a lamp guard made wholly from pieces of wire electrically welded together, all sheet metal or other extra parts being avoided with the exception of an attaching screw.

In the accompanying drawing forming a part of this specification, Figure 1 is a plan view of my novel lamp guard as in use; Fig. 2 an elevation; Fig. 3 a detail view showing the attachment of the top rings to one of the longitudinal strips; and Fig. 4 is a detail view of the top of a lamp guard showing a slightly variant form of the invention.

One of the important elements of novelty of the invention lies in the fact that sheet metal parts are wholly avoided and furthermore in the fact that soldering as a means of securing the parts together is avoided. It will of course be obvious that while the invention is adapted for use in connection with various styles of lamps, it is especially applicable to guards for incandescent electric lamps, in which the requirements are simply for a cage or body to inclose and protect the lamp and means for conveniently attaching the guard to and removing it from a lamp socket.

In carrying out my invention I construct a guard of a central ring of wire, indicated by 10, a bottom ring indicated by 11, two top rings indicated by 12 and longitudinal strips 13 attached to the several rings. The bottom ring is shown as provided with bends or offsets indicated by 14, and the lower ends of the longitudinal strips are curved about this ring at the bends forming eyes 15. The

longitudinal strips lie outside of the central and top rings and are partially merged into and made integral with said rings by the process of electric welding. I thus produce a cage or body of very neat and attractive appearance having a maximum of strength and at a minimum of expense. If preferred the longitudinal strips may be attached to the bottom ring also by the process of electric welding. The two top rings are placed at just sufficient distance apart to adapt them to lie above and below the usual attaching rib formed at the lower end of electric lamp sockets. The top rings are divided leaving openings as at 16 between two of the longitudinal strips whereby they are rendered contractile. The two longitudinal strips contiguous to the openings are provided at their upper ends with eyes 17, through which the attaching screw 18 passes, the head 19 of the screw bearing upon the outer face of one of the eyes and the other eye being tapped, as in Figs. 1 and 2, for engagement by the screw, or if preferred, as in Fig. 4, the screw may pass freely through both eyes and the guard be retained in place on a lamp socket by a nut 20 engaging the screw and bearing against the outer face of the other eye. The resiliency of the upper ring permits the guard to be readily slipped over the rib on a lamp socket when the screw is loosened. When the screw is tightened up, the upper rings lie above and below the rib on the socket and retain the guard firmly and securely in place thereon.

Having thus described my invention I claim:

1. A lamp guard formed of wires integrally united and including contractile wire rings adapted to lie above and below the rib on a lamp socket, and means for contracting said rings, whereby the guard may be clamped in position on a lamp socket.

2. A lamp guard formed of longitudinal and transverse wires integrally united and including contractile wire rings adapted to lie above and below the rib on a lamp socket, said rings having their ends attached to contiguous longitudinal wires, and means for moving the last mentioned longitudinal

wires together to clamp said rings in position on a lamp socket.

3. A lamp guard comprising longitudinal strips, two of which are provided at their
5 upper ends with eyes, rings adapted to lie above and below the rib on a lamp socket and rigidly secured to the longitudinal strips, said rings having openings between

the longitudinal strips with eyes, and an attaching screw passing through the eyes. 10

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

HARVEY HUBBELL.

Witnesses:

A. M. WOOSTER,
S. W. ATHERTON.

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