

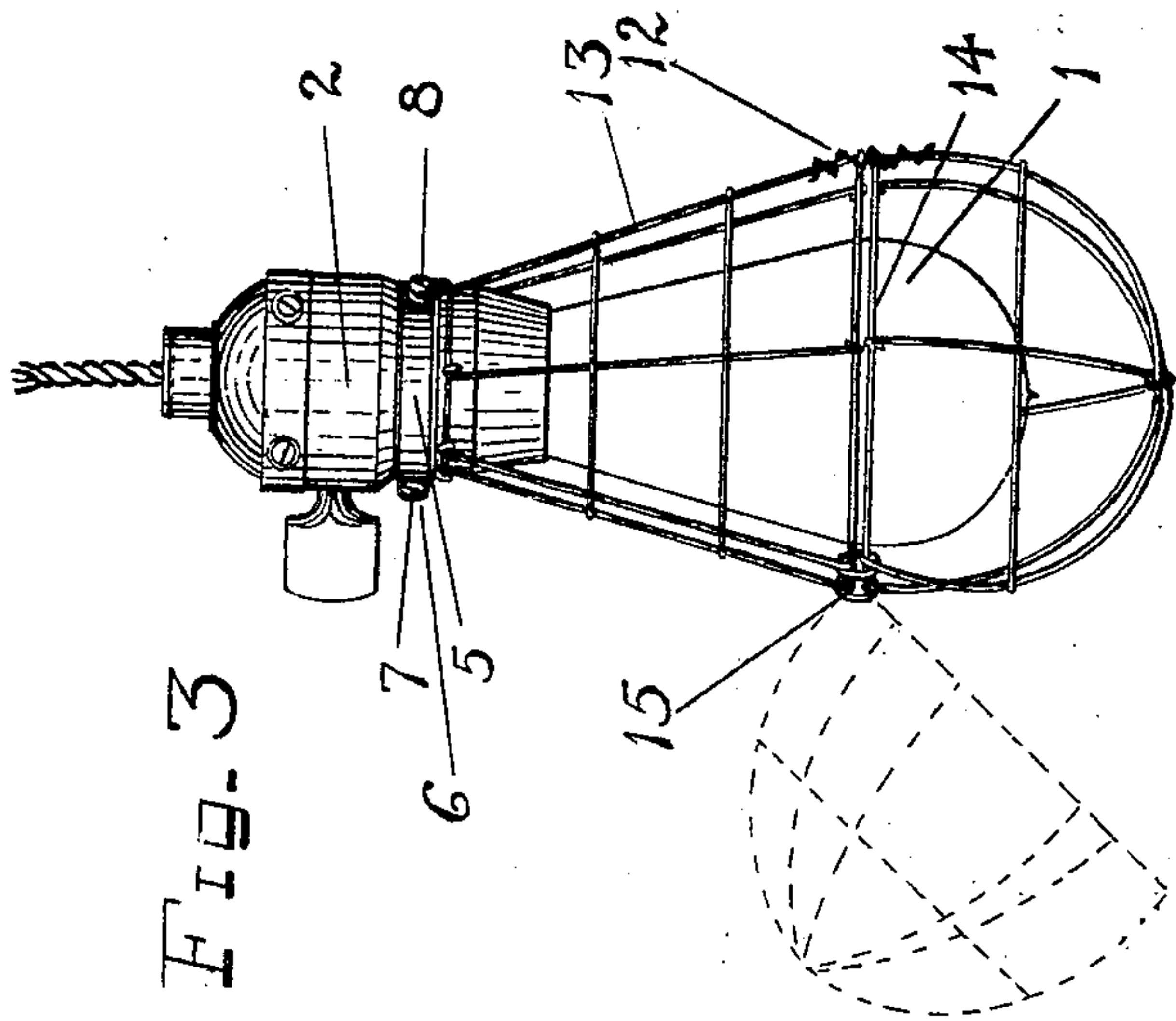
No. 859,357.

PATENTED JULY 9, 1907.

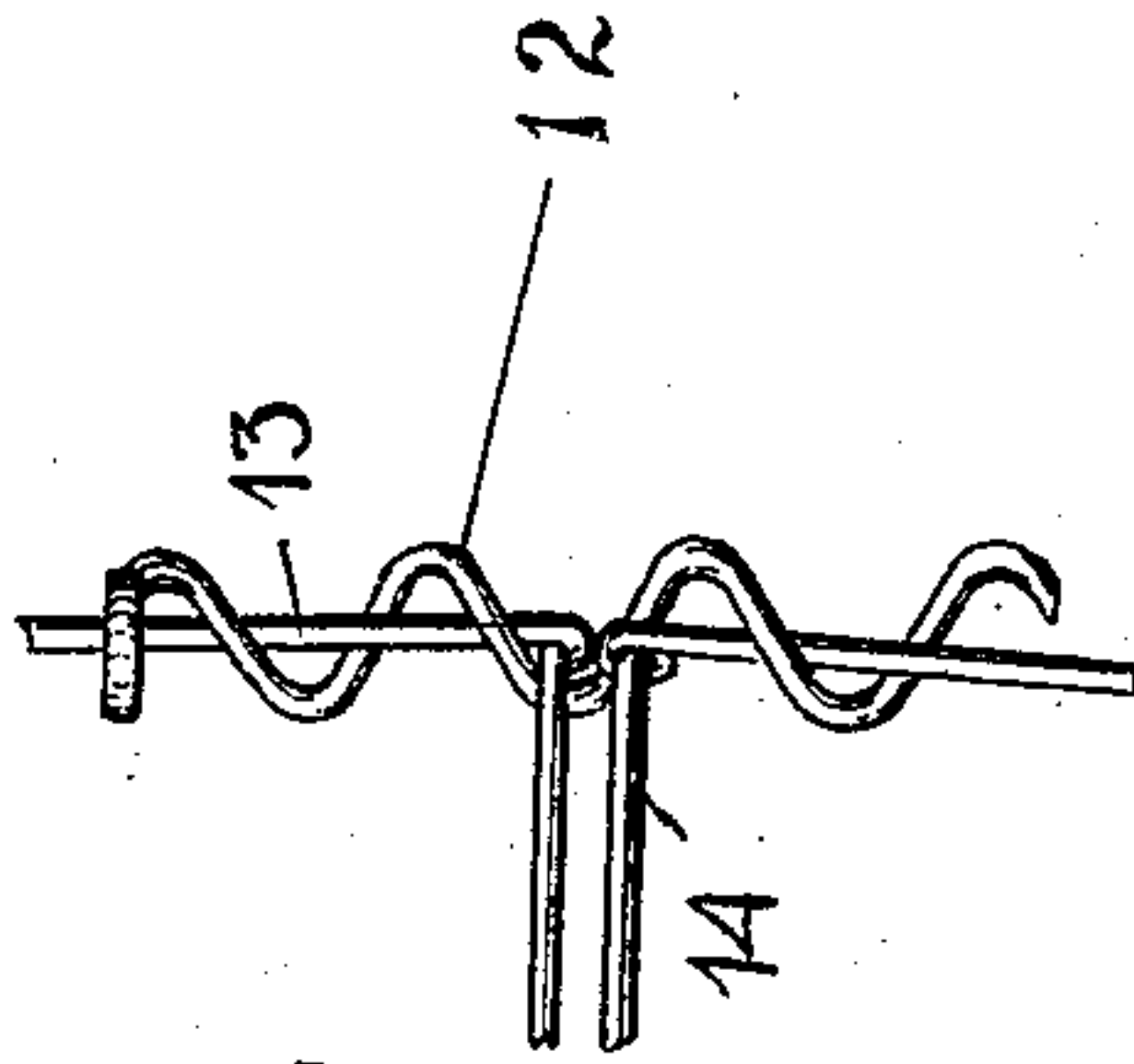
J. E. WOODS.

LAMP PROTECTOR.

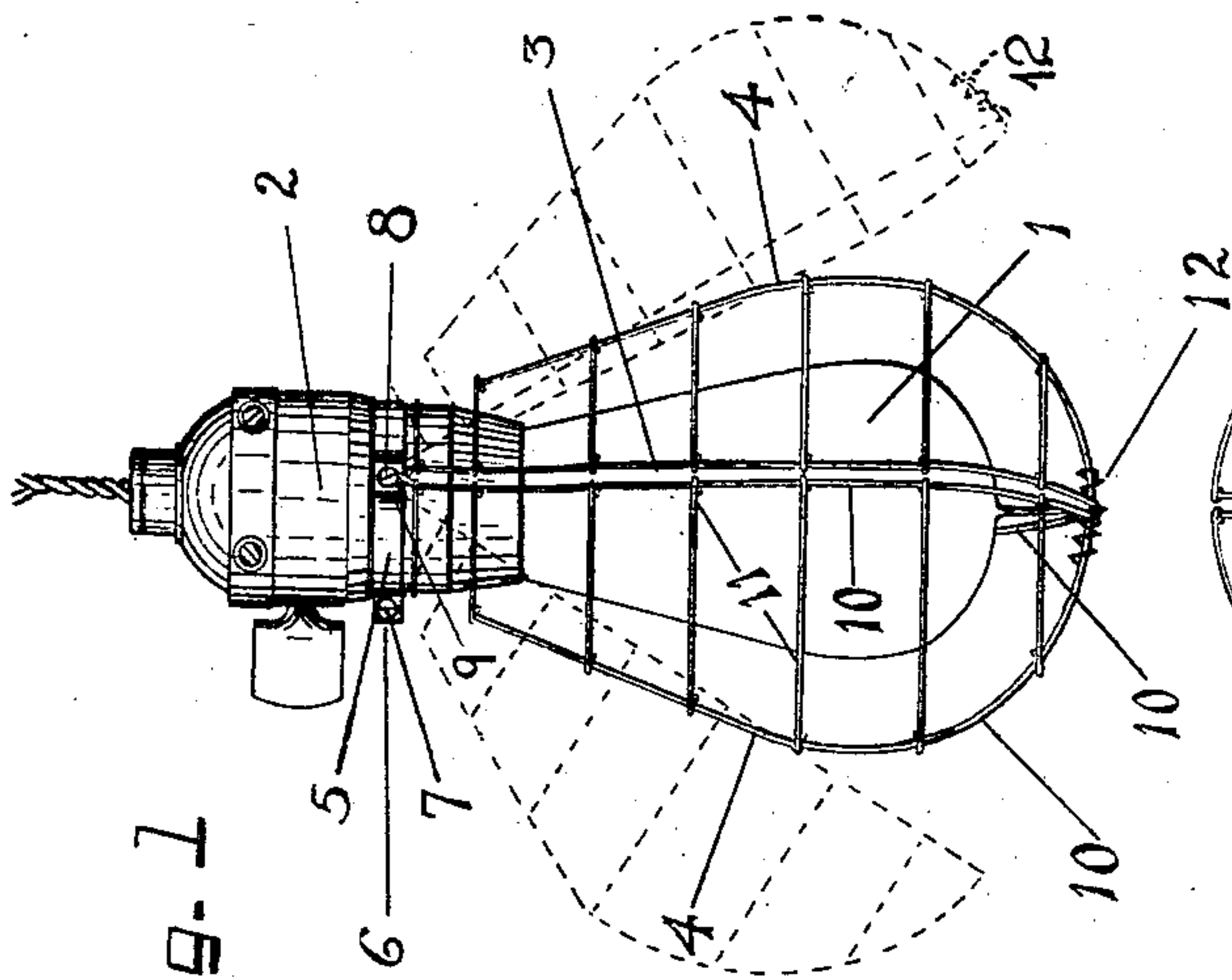
APPLICATION FILED JUNE 25, 1908.



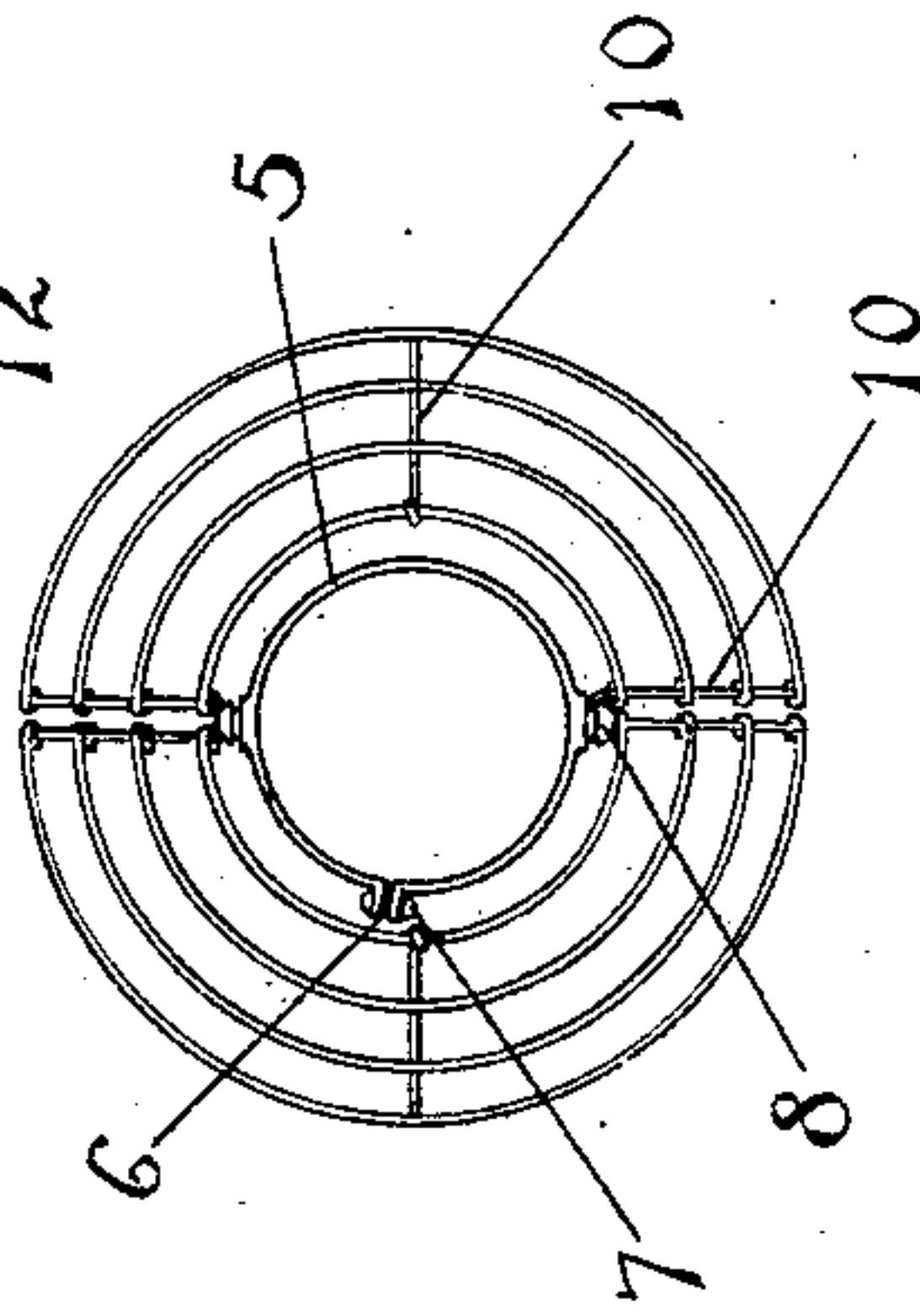
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Witnesses
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UNITED STATES PATENT OFFICE.

JOSEPH E. WOODS, OF LOGAN, OHIO.

LAMP-PROTECTOR.

No. 859,357.

Specification of Letters Patent.

Patented July 9, 1907.

Application filed June 25, 1906. Serial No. 323,268.

To all whom it may concern:

Be it known that I, JOSEPH E. WOODS, a citizen of the United States, residing at Logan, in the county of Hocking and State of Ohio, have invented certain new and useful Improvements in Lamp-Protectors; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

10 This invention relates to improvements in guards or protectors for incandescent electric lamps, and consists in the novel construction, combination and arrangement of parts hereinafter described and claimed.

15 The object of the invention is to provide a simple and practical guard of this character, consisting of hingedly connected sections which may be readily separated to permit of the insertion of the lamp bulb in its socket or of its removal therefrom without removing the device from the lamp socket, and in which its swinging sections may be quickly and securely fastened together to 20 effectively protect the lamp bulb and cast the minimum amount of shadow.

The above and other objects which will appear as the nature of the invention is better understood, are accomplished by the construction illustrated in the accompanying drawings, in which:—

25 Figure 1 is a side elevation of the improved lamp guard or protector, showing it applied to an electric incandescent lamp, the two sections being shown in their closed position in full lines and in their open position in dotted lines; Fig. 2 is a view of the upper or inner end of the device removed from the lamp; and Fig. 3 is a side elevation of a modified form of the invention, the two sections of this guard or protector 30 being shown in their closed positions in full lines and in their opened positions in dotted lines. Fig. 4 is a detail view, on an enlarged scale, of a portion of the guard shown in Fig. 3.

35 Referring more particularly to Figs. 1 and 2 of the drawings, the numeral 1 denotes an incandescent electric lamp bulb mounted in the usual lamp socket 2, to which the improved lamp guard 3 is secured. The latter is preferably composed of two similar half sections 4, which are hingedly connected at their upper or inner 40 ends to a clamping ring or band 5, so that they swing outwardly and transversely. The clamp 5 is in the form of an annular band adapted to surround the socket 2 and formed at its ends with outturned apertured ears 6 to receive a clamping bolt 7 which clamps the band upon the socket. At diametrically opposite points upon 50 the band 5 are formed enlargements having screw-threaded openings to receive pivot screws 8. The latter extend through eyes 9 formed at the upper ends of the

two half sections 4. Each of the latter is preferably formed of wire and comprises three longitudinal wires 55 10 connected by semi-circular transverse wires 11. In order to secure the two half sections 4 together at their outer or free ends, I provide a locking member comprising short wire coil 12, which is adapted to be turned or screwed upon the lower ends of the two centrally-disposed wires 10, as clearly shown in full lines in Figs. 1 and 3, and in enlarged detail in Fig. 4. When this locking member 12 is turned so that it is moved to the dotted line position shown in Fig. 1, the two half sections 4 may be readily swung apart to permit the lamp 65 bulb 1 to be applied to or removed from the socket 2.

In Fig. 3 of the drawings the two sections 13, 14 of the guard are hingedly connected together, as shown at 15, so that the guard is divided transversely instead of longitudinally. It will be noted that the half section 70 13 is conical in form and rigidly connected to the clamping band or ring 5, while the half section 14 is semi-spherical in form. These half sections are connected together at a point diametrically opposite the hinge 15, by a locking member 12, in a manner similar to that in 75 which the half sections 4 are secured together.

From the foregoing description, taken in connection with the accompanying drawings, the construction, operation and advantages of the invention will be readily understood without requiring a more extended 80 explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention, as defined by the ap- 85 pended claims.

Having thus described my invention, what I claim as new and desire to secure by Letters-Patent, is:—

1. A lamp guard or protector comprising two pivotally connected sections, and a rotary coiled locking member 90 carried by one section and adapted to be rotated to engage with or be disengaged from the other section.

2. A lamp guard or bracket comprising a clamping ring, wire guard sections carried thereby and mounted to swing to and from each other, and a rotary coiled locking member 95 carried by one of the sections and adapted to be rotated to engage with or be disengaged from the other section.

3. A lamp guard or bracket comprising a clamping ring having outwardly bent apertured terminals, a bolt for connecting the terminals, pivot screws arranged at opposite points on the ring, wire guard sections mounted to swing upon the pivot screws, and a rotary coiled locking member carried by one of the sections for securing the 100 two sections together.

In testimony whereof I have hereunto set my hand in 105 presence of two subscribing witnesses.

JOSEPH E. WOODS.

Witnesses:

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