

No. 763,009.

PATENTED JUNE 21, 1904.

J. W. MATTHEWS.
GUARD FOR INCANDESCENT LAMPS.

APPLICATION FILED DEC. 21, 1903.

NO MODEL.

Fig. 1.

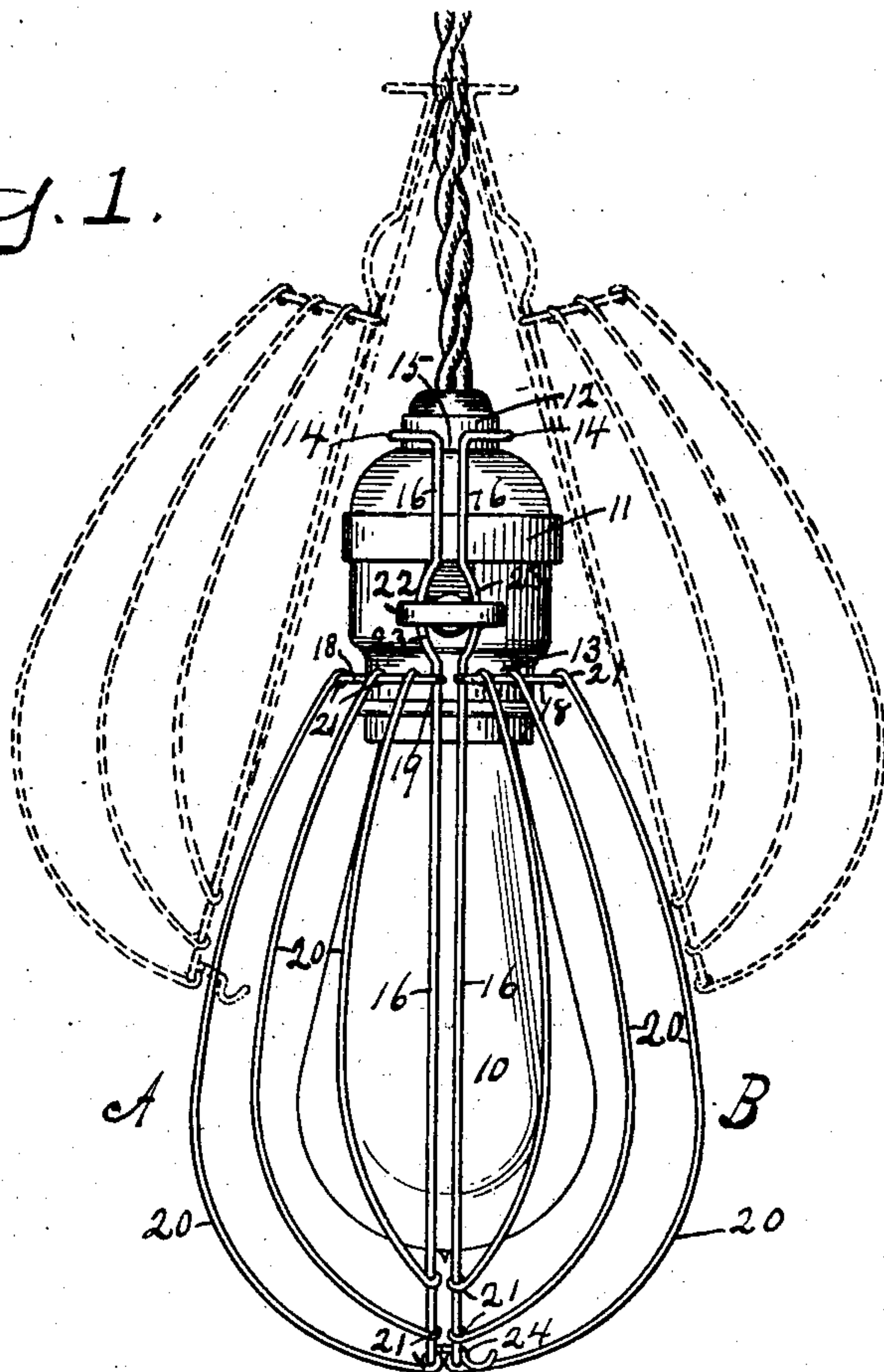
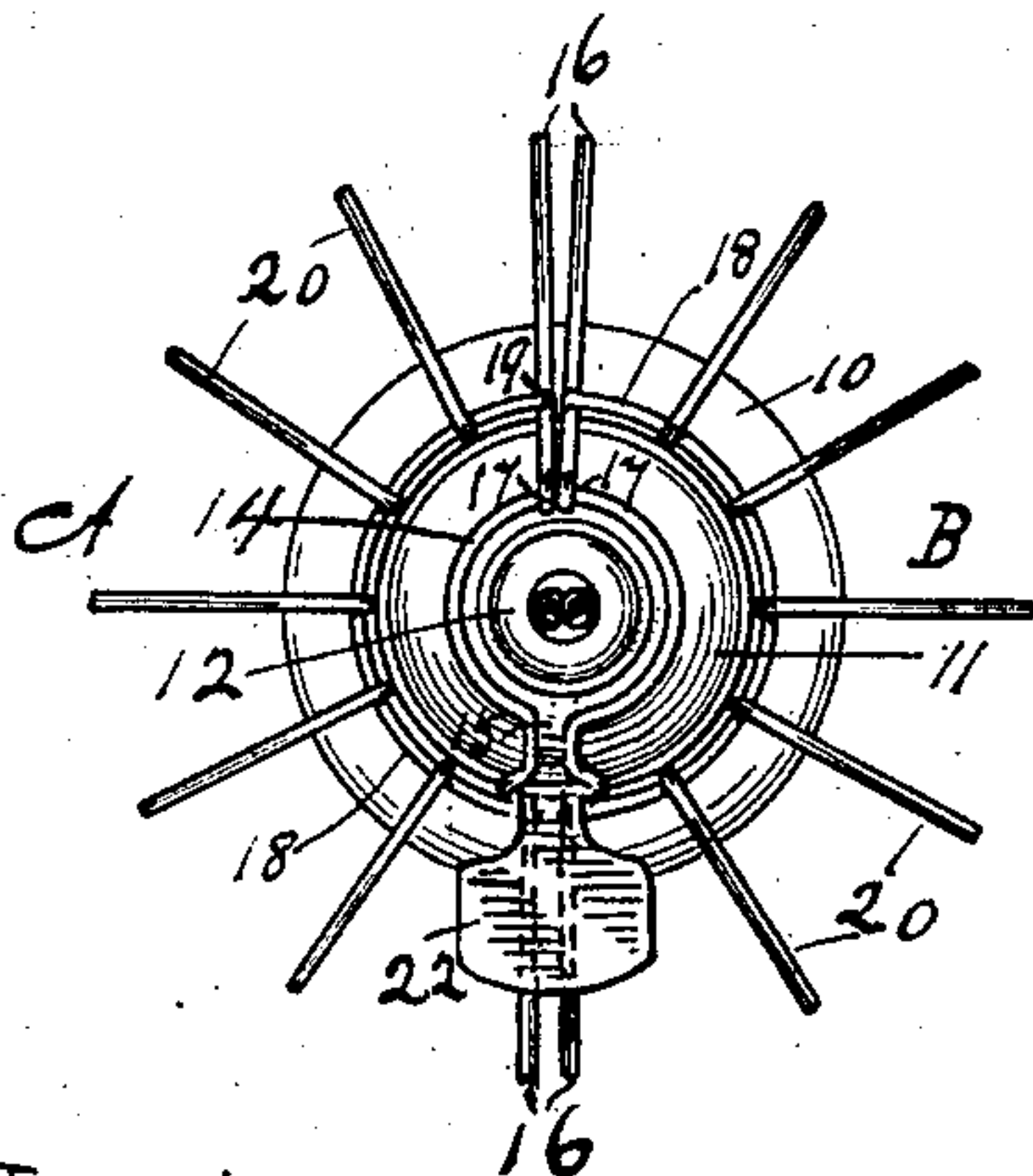


Fig. 2.



WITNESSES.

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JARIS W. MATTHEWS, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR OF ONE-HALF TO JAMES T. ROCHE, JR., OF BRIDGEPORT, CONNECTICUT.

GUARD FOR INCANDESCENT LAMPS.

SPECIFICATION forming part of Letters Patent No. 763,009, dated June 21, 1904.

Application filed December 21, 1903. Serial No. 185,922. (No model.)

To all whom it may concern:

Be it known that I, JARIS W. MATTHEWS, a citizen of the United States, residing at Bridgeport, county of Fairfield, State of Connecticut, have invented a new and useful Guard for Incandescent Lamps, of which the following is a specification.

My invention has for its object to produce a simple, durable, and inexpensive self-attaching guard for incandescent lamps, which shall comprise two resiliently-connected halves adapted to be easily and quickly sprung into place and which when in place will hang from the top of a lamp-socket, so that it will not drop off and cannot be pulled off.

A further object of the invention is to produce a guard for incandescent lamps, which shall be firmly supported on the socket in such a manner that the guard and the lamp-bulb cannot come in contact with each other, thereby preventing breakage of the bulbs.

A further object of the invention is to produce a guard for incandescent lamps, which shall be integral—that is, have no separable part—may be easily attached and removed at any time, but which when once attached need never be removed in ordinary use, as the two halves may be readily sprung apart to permit a lamp-bulb to be cleaned or a lamp to be removed or attached or the socket to be repaired.

With these and other objects in view I have devised the simple and novel incandescent lamp-guard, of which the following description, in connection with the accompanying drawings, is a specification, reference characters being used to indicate the several parts.

Figure 1 is an elevation of an incandescent lamp with my novel guard in place thereon, the resiliency of the connection between the halves of the guard being indicated by a dotted position thereof; and Fig. 2 is a plan view corresponding with Fig. 1.

My novel guard may be made entirely of wire; but the number of pieces of wire and the manner in which they are connected together is unimportant so far as the principle of the invention is concerned.

10 denotes an incandescent-lamp bulb and

11 the socket, which may be described briefly as having a hub 12 at its upper end and a reduced diameter at its lower end, as at 13, it being obvious, however, that the style or make of the bulb or the socket are wholly unimportant so far as the principle of the invention is concerned. A and B indicate the two halves of the guard, which are connected at the top only by an open spring-band 14. For convenience I indicate the opening in the band by 15.

16 denotes main frame-wires, which may be made continuous with band 14. If made in one piece of wire, the center of the piece will be the portion of the band opposite to the opening. From the opening the ends of the pieces of wire when formed to shape curve downward and outward and then inward to inclose the socket, then curve downward and outward, then around and upward again, forming a loop to inclose the lamp-bulb, then upward, outward, and inward again to inclose the socket, the upper ends of said frame-wires being connected to spring-band 14, as at 17.

18 denotes half-bands, the ends of which are connected to the opposite sides of the main frame-wires, as at 19. These half-bands when the guard is secured in place grip the reduced diameter 13 of the socket firmly and in connection with spring-band 14 hold the guard in place thereon, so that in use the guard is perfectly rigid on the socket and the bulb cannot come in contact therewith.

20 indicates frame-wires, the opposite ends of which are connected to main frame-wires 16 and to half-bands 18, as at 21, so that the two halves form together a complete cage, which fully incloses and protects the lamp-bulb. The socket-key is indicated by 22. Main frame-wires 16 are provided below opening 15 with outwardly-curved portions 23, which inclose the shank of the key, as clearly shown in both figures, permitting it to turn freely. At the lower end of the loop of one of the main frame-wires I provide a catch 24, which is adapted to engage the other main frame-wire, as clearly shown in Fig. 1, to retain the two halves of the guard in place on the socket.

The operation of my novel guard will be

readily understood from the drawings. To attach in place, it is simply necessary to detach the catch and open out the halves of the guard, so that they will inclose the bulb of a lamp and spring-band 14 about hub 12. Then by engaging the catch the guard is firmly locked in place. To clean or remove the lamp or to insert one in place, it is simply necessary to open out the halves of the socket, but not to detach band 14 from the hub.

Having thus described my invention, I claim—

1. An incandescent-lamp guard comprising two halves connected together by an open spring-band, said band being arranged to removably engage the hub of a lamp-socket so that the halves may be separated to attach or remove a lamp without detaching the band from the hub of a socket.
2. An incandescent-lamp guard comprising two halves connected together by an open spring-band which is arranged to removably engage the hub of a lamp-socket, said halves consisting of main frame-wires connected to the open spring-band, half-bands connected to the main frame-wires and arranged to grip the lower end of a lamp-socket and other frame-wires connected to the half-bands and to the main frame-wires.
3. An incandescent-lamp guard comprising two halves connected together by a spring-band having an opening and arranged to removably engage the hub of a lamp-socket, said halves consisting of main frame-wires extending from the band and curved downward and then upward so as to inclose the socket and bulb of a lamp, the other ends of said wires

being connected to the spring-band, half-bands whose ends are connected to the main frame-wires and which are arranged to grip the lower end of a lamp-socket and other frame-wires whose ends are connected to the half-bands and to the main frame-wires.

4. An incandescent-lamp guard comprising two halves resiliently connected to a spring-band which is arranged to engage the hub of a lamp-socket so that the guard will hang from the top of the socket and the halves may be opened to permit the attachment or removal of a lamp without detaching the band from the hub.

5. An incandescent-lamp guard comprising two halves resiliently connected to a spring-band which is arranged to engage the hub of a lamp-socket, each half being provided with a half-band arranged to grip the lower end of a socket and a catch for connecting the lower ends of the halves together.

6. An integral lamp-guard comprising a spring-band arranged to engage the hub of a lamp-socket, two halves depending from said band each consisting of main frame-wires, half-bands connected thereto and arranged to grip the lower end of the socket and other frame-wires connected to the half-bands and to the main frame-wires and a catch for connecting the lower ends of the halves.

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

JARIS W. MATTHEWS.

Witnesses:

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S. W. ATHERTON.