

W. KLEMENT.
LAMP HOLDER.

APPLICATION FILED DEC. 2, 1911.

Patented Apr. 23, 1912.

2 SHEETS—SHEET 1.

1,023,942.

Fig. 1

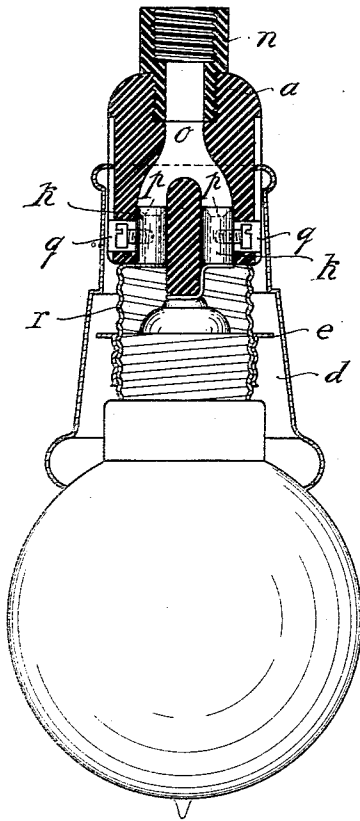
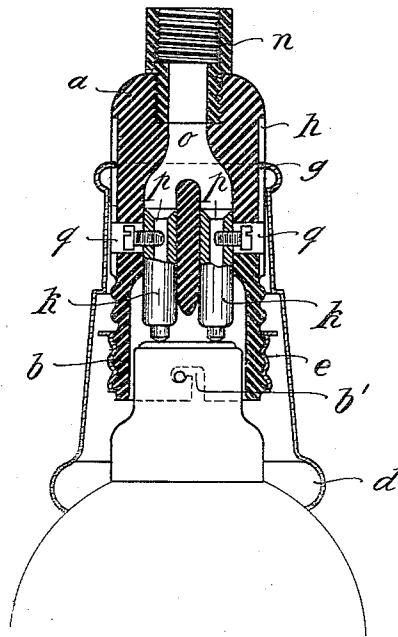


Fig. 2



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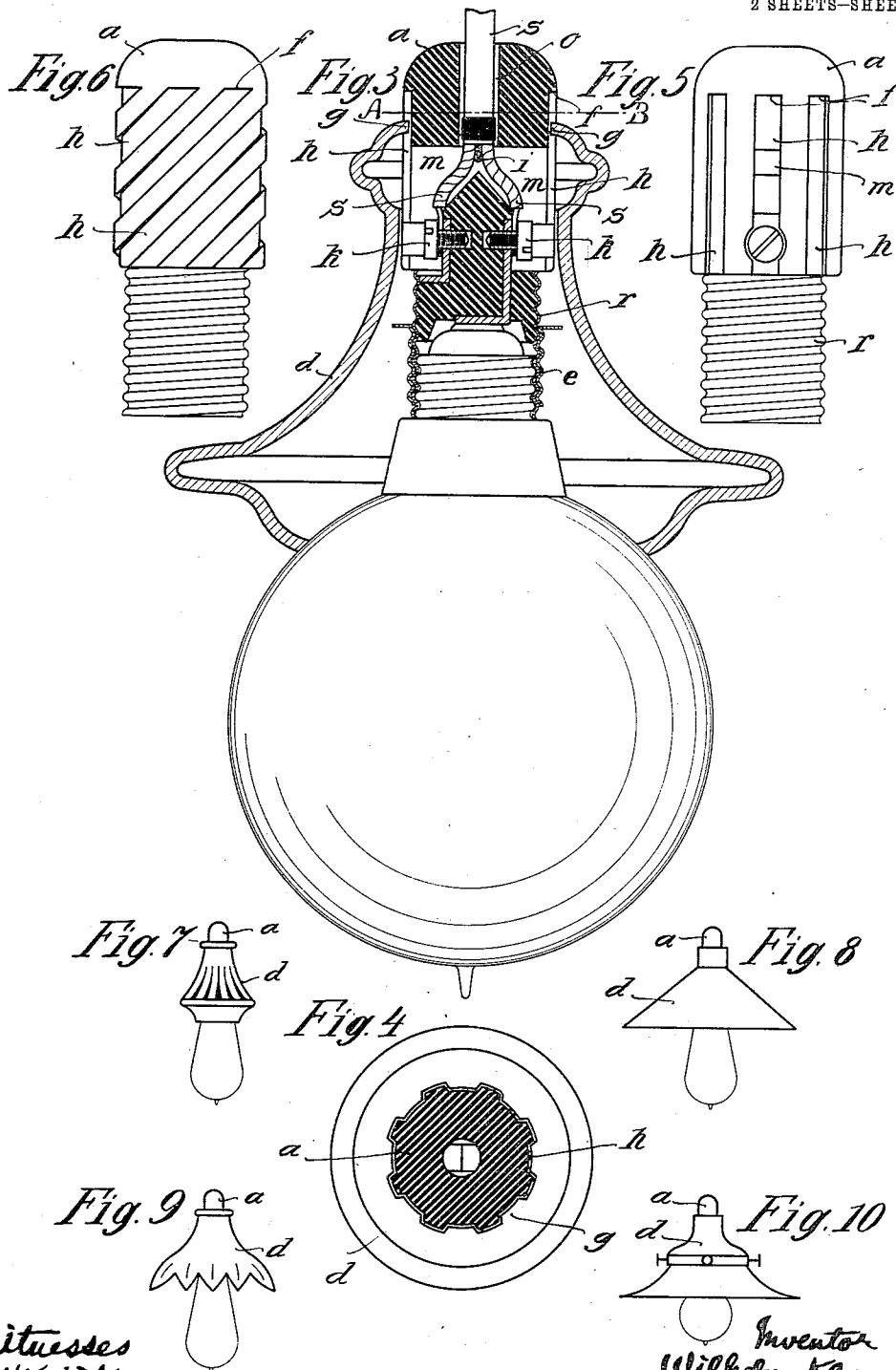
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UNITED STATES PATENT OFFICE.

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LAMP-HOLDER.

1,023,942.

Specification of Letters Patent.

Patented Apr. 23, 1912.

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To all whom it may concern:

Be it known that I, WILHELM KLEMENT, a subject of the German Emperor, and residing at Neu-Finkenkrug-Falkenhain, Germany, have invented certain new and useful Improvements in Lamp-Holders, of which the following is a specification.

My invention relates to lamp-holders comprising a cylindrical or prismatic base for electric incandescent lamps.

Among the objects of my invention are to provide a lamp holder in which the connecting terminals are readily accessible and one which is of simple construction. To these ends, I provide an incandescent lamp-holder comprising a cylindrical or prismatic base over which the shield is arranged axially displaceable, so that only after the lamp has been screwed out are the holes provided for examining the conductors in the base liberated, a ring screwed on the holder preventing the shield falling off.

Some illustrative embodiments of my invention are represented by way of example in the accompanying drawings, where:—Figure 1 is a vertical section showing one form of my improved lamp-holder comprising an Edison screw socket, Fig. 2 is a like view showing a modified form comprising Swan bayonet contacts, and Fig. 3 is a like view showing another form comprising a modified form of the base; Fig. 4 is a cross-section taken on the line A—B in Fig. 3; Fig. 5 is an elevation showing a lamp-holder base having rectilinear grooves and Fig. 6 is a like view of a base having spiral grooves, and Figs. 7 to 10 are elevations showing various forms of axially displaceable shields.

Referring to the drawings, the lamp-holder base *a* (Figs. 1 to 3) carries within it the terminals *k* for the connection of the conductors *s* introduced through a central bore *o*. As shown in Figs. 1 and 2, a nipple *n* for connection to a pipe may be provided in this central bore *o*. When flexible cords are employed the suspension cord will be connected within the base with a relieving device *i*, as clearly shown in Fig. 3.

The central bore *o* either enlarges within the base *a* to form lateral chambers *m* (Fig. 3) containing the connecting terminals *k*, or it forks into two separate branch bores *p* for the connecting terminals *k* which are

accessible through transverse bores *q* from the side, as clearly shown in Figs. 1 and 2. 55

The shield *d*, axially displaceable on the base *a*, covers over the lateral bores as well as the contact pieces of the lamp-holder and lamp in its normal position in use. It may be formed either as a simple protective shield or as a shade, globe or ornamental reflector. Further, its lower edge may be of small diameter and rest in known manner on the lamp. 60

The shield *d* and the base *a* are preferably prevented from rotating relatively to one another in order that only the shield *d* need be held when inserting the incandescent lamp. According to my invention this end is attained in a simple manner by means of the prismatic form of the base *a* or by means of grooves *h* and projections *g* distributed over the periphery of the shield and base, the grooves being either rectilinear and parallel with the axis of the lamp-holder, as shown in Fig. 5, or in the form of as steep spiral turns as possible, as shown in Fig. 6. Each groove *h* is bounded at its upper end by a stop *f* for preventing the shield *d* being removed upward. 70 75 80

For employing incandescent lamps having Swan bayonet caps the base *a* is preferably provided with a downwardly projecting rim *b* having angular slots *b'*, as clearly shown in Fig. 2. 85

My improved holder has the important advantages that the conductors can be very conveniently and rapidly connected, and that the connections can be readily controlled at any time. For this purpose, the shield *d* has only to be slipped off or only lowered so far that the terminals *k* are exposed. An additional advantage of the form shown in Fig. 3 is that after the shield *d* has been pushed back the ends of the conductors *s* are also exposed. 90 95

The shield *d* is prevented from falling off by a ring *e* screwed on the sleeve *r* (Figs. 1 and 3) or on the rim *b* shown in Fig. 2. As the ring *e* is located inside the axially displaceable shield *d* it is accessible only when the incandescent lamp has been detached. 100

The adjustability of the shield *d* axially on the base *a* is of special advantage when the shield is formed as a reflector, as shown in Figs. 8 and 10, because the reflective action 105

most favorable for the incandescent lamp employed can thereby be obtained.

I claim:—

1. The combination with a lamp; of a
5 lamp holder base having a central axial bore opening into chambers opening out of apertures in the side of the base, terminals in said chambers and a shield axially displaceable along the base and supported in normal position thereon by said lamp.
10
2. The combination with a lamp, of a lamp holder base having a central axial bore opening into chambers opening out of apertures in the side of the base, terminals in
15 said chambers and a shield axially and non-rotatably displaceable along the base and supported in normal position thereon by said lamp.
3. The combination of a lamp-holder base
20 having a central axial bore opening into chambers opening out of apertures in the side of the base, terminals in said chambers, and a shield axially displaceable along the base, said base having a screw-threaded bottom part, and a ring screwed on the bottom
25 part for preventing the said shield being removed from the same.
4. The combination of a lamp-holder base having a central axial bore opening into
30 chambers opening out of apertures in the side of the base, terminals in said chambers, and a shield axially and non-rotatably displaceable along the base, said base having a screw-threaded bottom part, and a ring
35 screwed on the bottom part for preventing the said shield being removed from the same.
5. The combination of a lamp-holder base having a central axial bore opening into

chambers opening out of apertures in the side of the base, terminals in said chambers, 40
said base having grooves in the periphery thereof, a shield having projections entering into said grooves displaceable along the base, said base having a screw-threaded, 45
downwardly projecting bottom part, a ring screwed on the bottom part for preventing the said shield being removed therefrom, and a lamp detachably carried by the bottom part, said shield normally resting on the lamp and covering the said apertures in the 50
base.

6. The combination of a lamp-holder base having a central axial bore opening into chambers opening out of apertures in the side of the base, terminals in said chambers, said base having grooves in the periphery thereof, terminating before the top end thereof and running out at the bottom end thereof, a shield having projections entering into said grooves displaceable along 55
the base, said base having a screw-threaded, downwardly projecting bottom part, a ring screwed on the bottom part for preventing the said shield being removed therefrom, and a lamp detachably carried by the bottom part, said shield normally resting on the lamp and covering the said apertures in the base. 60
65

In testimony whereof I have signed my name to this specification in the presence of two witnesses. 70

WILHELM KLEMENT.

Witnesses:

HENRY HASPER,
WOLDEMAR HAUPT.