(No Model.)

F. PALM.

FITTING FOR GLOW LAMPS.

No. 591,490. Patented Oct. 12, 1897.

Fig. 1

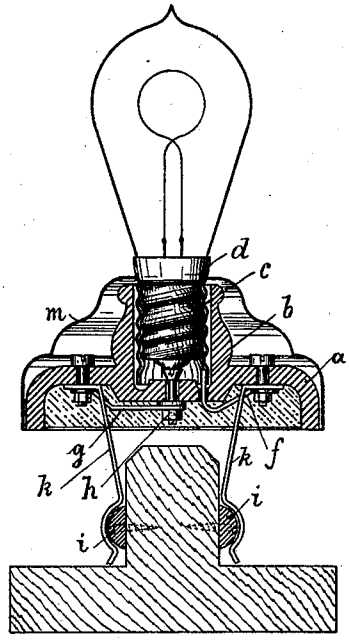


Fig. 2

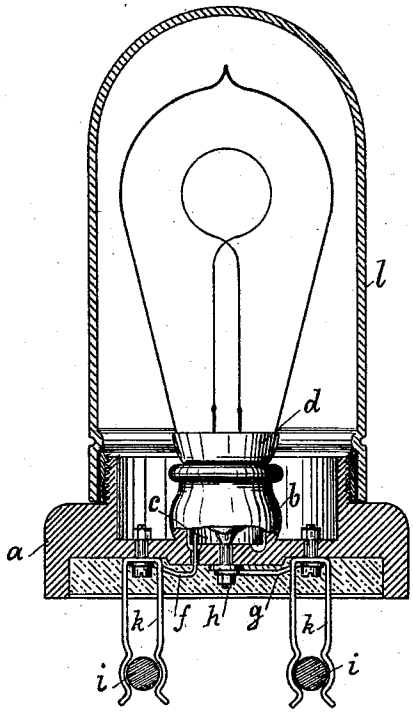
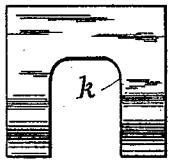


Fig. 3



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UNITED STATES PATENT OFFICE.

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FITTING FOR GLOW-LAMPS.

SPECIFICATION forming part of Letters Patent No. 591,490, dated October 12, 1897.

Application filed May 10, 1897. Serial No. 635,930. (No model.)

To all whom it may concern:

Be it known that I, FRIEDRICH PALM, a subject of the German Emperor, residing at Nuremberg, in the Kingdom of Bavaria, German Empire, have invented a certain new and useful Improvement in Fittings for Glow-Lamps for Attaching the Latter to Bare Conductors by Means of Pressure-Springs, of which the following is a full description.

It has generally been the custom to connect glow-lamps with the branches of the main conductor by means of short secondary wires soldered thereto and also by suitably-adapted holders. These connections, while not only requiring considerable time and ingenuity, are exceedingly costly, and where the connections are exposed to the weather soon become defective.

By my invention it has been possible to produce a holder that is exceedingly simple and cheap to manufacture, and also to produce a holder which can be used with good effect for decoration, illumination, or other purposes, and one that can be readily attached to or detached from the conductors.

Referring to the annexed drawings, Figure 1 is a section through an incandescent lamp, showing my improved holder attached thereto. Fig. 2 is a sectional view showing my improved holder used in connection with free hanging wires. Fig. 3 is a view of the U-shaped double springs which are especially adapted for connecting the holder with hanging wires.

a represents an insulated shell provided with a socket *b*, which has an opening in its bottom portion near one side, through which extends a connection of leading-wire *f*, which is secured at one end to a screw, the other end being connected with a screw-threaded socket *c*, which is seated in the socket *b* of the shell.

d represents the socket of the lamp-globe, which is provided with threads and is adapted to be screwed into the socket *c*.

k k represent the pressure-springs, which are secured at their upper ends to screws which pass through the side portion of the shell *a*, their lower portions being provided with an outwardly-curved portion, which is fitted over the main wire *i*.

g represents wires which are secured to screws which pass through the side portions of the shell *a* and the socket *b*. The ends which are secured to the side screws are located above the ends of the pressure-springs, which are also secured to the same screws. A suitable filling of insulating material is placed within the shell *a*, thereby rendering it waterproof, so that neither the lamp nor the fitting will suffer from inclement weather. In order that one may be able to apply the execution shown in Fig. 1, I have provided a suitable covering *m* for the shell, which is securely soldered to the lamp-globe.

l represents a globe, of glass, which may be of any color, for the purpose of protecting the lamp and also for the purpose of effecting a varied illumination.

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

1. A holder for glow-lamps consisting of the insulated socket provided with pressure-fingers for each terminal, in combination with the naked main wires properly spaced apart.

2. A holder for glow-lamps consisting of the insulated socket provided with spring pressure-fingers for each terminal, said fingers being provided with outwardly-curved portions near their ends, in combination with the naked main wires suitably spaced apart which are securely grasped by the said spring pressure-fingers.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

FRIEDRICH PALM.

Witnesses:

ALEX WIELE,

MAX SCHEIDIG.