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E. W. PENN

2,526,084

INCANDESCENT LAMP APPLYING AND REMOVING DEVICE

Filed Aug. 28, 1946

FIG. 1

FIG. 3

FIG. 4

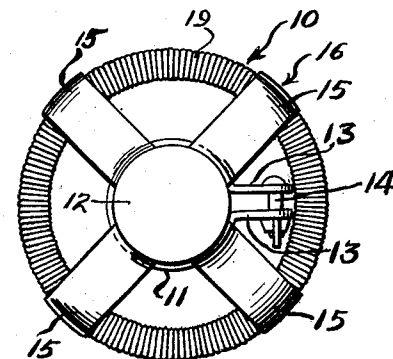


FIG. 2

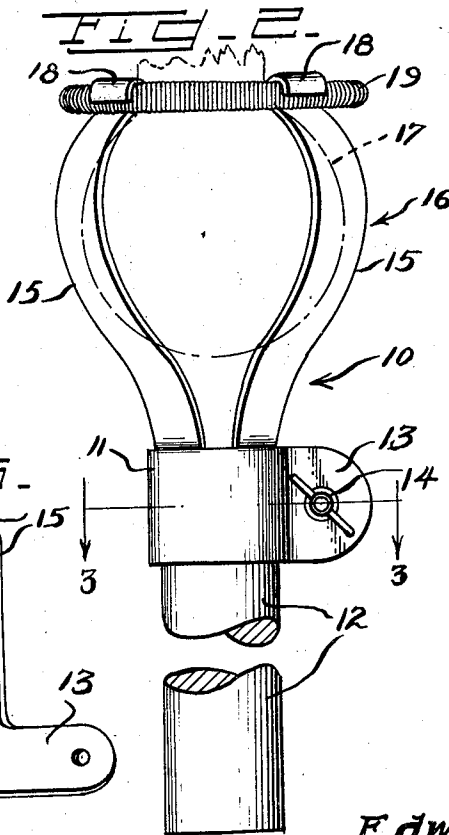
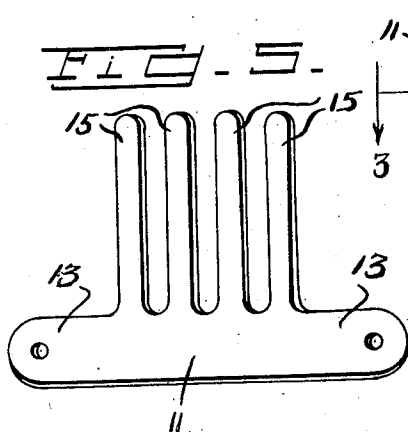
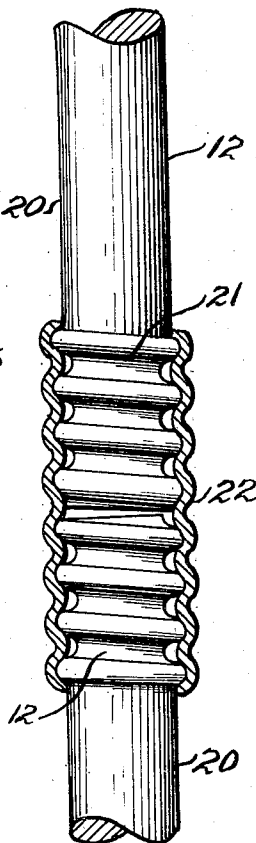


FIG. 5



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UNITED STATES PATENT OFFICE

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INCANDESCENT LAMP APPLYING AND REMOVING DEVICE

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1 Claim. (Cl. 294—20)

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This invention relates to new and useful improvements and structural refinements in devices for applying and removing incandescent lamps, and the principal object of the invention is to provide a device of the character herein described, which may be quickly and easily applied to or removed from the lamp and in which the lamp may be firmly held during its application to or removal from the lamp socket.

A further object of the invention is to provide a lamp applying and removing device which may be effectively employed in association with lamps positioned on high ceilings, yet which may be quickly and easily separated into its components, to facilitate convenient storage when not in use.

An additional object of the invention is to provide a lamp applying and removing device which is simple in construction and operation, and which will not easily become damaged.

A still further object of the invention is to provide a lamp applying and removing device which will readily lend itself to economical manufacture.

With the above more important objects in view, and such other objects as may become apparent as this specification proceeds, the invention consists essentially of the arrangement and construction of parts as illustrated in the accompanying drawings, in which:

Figure 1 is an underside plan view of the invention

Figure 2 is a side elevation thereof

Figure 3 is a cross-sectional view, taken substantially in the plane of the line 3—3 in Figure 2

Figure 4 is a fragmentary elevational view of an extension rod used in the invention, and

Figure 5 is a developed view of a metallic blank from which a component of the invention is formed.

Like characters of reference are used to designate like parts in the specification and throughout the several views.

Referring now to the accompanying drawings in detail, the invention consists of a lamp applying and removing device designated generally by the reference character 10, the same embodying in its construction, a clamp-like socket 11, adapted for removable positioning upon one end of an extension rod 12. The free end portions 13 of the socket are connected together by a clamping bolt and wing nut designated collectively by

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the reference character 14, whereby the socket may be attached to or detached from the rod 12, as will be clearly understood.

A plurality of equally spaced, resilient fingers 15 are formed integrally with the clamp 11, these fingers being arcuated substantially as shown and forming a bulbous cage designated generally by the reference character 16.

This cage is adapted to removably receive the incandescent lamp 17, and it will be noted that the free end portions of the fingers 15 are outwardly curled as at 18, to facilitate the insertion of the lamp thereinto, and to provide what may be referred to as retaining loops, designated by the same reference character (18).

A coil spring 19, arranged in a continuous circular formation passes through the loops 18, whereby the fingers 15 are urged together.

When the invention is placed in use, the cage 16 is engaged with the bulb 17 as afore-said, whereupon by simply rotating the rod 12, the bulb may be installed in its socket, or alternatively, removed therefrom.

If desired, the rod 12 may be formed from a plurality of longitudinally aligned sections 20, the end portions of which are threaded as at 21. A plurality of threaded couplings 22 may be employed for separably connecting the adjacent ends of the section 20, whereby the rod 12 may be of sufficient length to facilitate insertion and removal of lamps positioned on high ceilings. When the invention is not in use, the sections 20 may, of course, be separated and the cage 12, together with the clamp 11, removed, to facilitate convenient storage.

It is believed that the advantages and use of the invention will be clearly understood from the foregoing disclosure and accordingly, further description thereof at this point is considered unnecessary.

While in the foregoing there has been shown and described the preferred embodiment of this invention it is to be understood that minor changes in the details of construction, combination and arrangement of parts may be resorted to without departing from the spirit and scope of the invention as claimed.

What I claim as my invention is:

An incandescent lamp applying and removing device, comprising, an extension rod, a clamp-like socket removably secured at one end of said rod,

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formed of a plurality of resilient fingers integral with and extending from a strip and forming a bulbous cage, the free extremities of said fingers being outwardly curled and forming retaining loops, and a coil spring arranged in a continuous circular formation, said spring passing through said loops and urging said fingers together, the terminal portions of said strip being bent, means extending through the bent portions for squeezing said portions in frictionally clamping manner around said rod.

EDWARD W. PENN.

REFERENCES CITED

The following references are of record in the 15 file of this patent:

4**UNITED STATES PATENTS**

Number	Name	Date
197,509	Abbott -----	Nov. 27, 1877
1,658,017	Grinnell -----	Jan. 31, 1928
5 1,823,170	Schulz -----	Sept. 15, 1931

FOREIGN PATENTS

Number	Country	Date
4,761 of 1896	Great Britain -----	Feb. 13, 1897