

1,024,417.

Fig-1-



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Witnesses
~~A. J. Conover~~
 Harry M. Test

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UNITED STATES PATENT OFFICE.

ARTHUR J. PAGNOD, OF NEW YORK, N. Y.

ELECTRIC-LIGHT ATTACHMENT.

1,024,417.

Specification of Letters Patent.

Patented Apr. 23, 1912.

Application filed July 26, 1911. Serial No. 640,543.

To all whom it may concern:

Be it known that I, ARTHUR J. PAGNOD, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Electric-Light Attachments, of which the following is a specification.

This invention relates to improvements in electric light fixtures, and has particular reference to the type of fixtures in which a drop light is adapted to be raised and lowered by means of a spring drum.

Another object is to provide a device of this character which may be readily attached to any of the stationary light sockets.

Another object resides in the details of construction of the spring drum and the casing therefor.

These and other objects will be apparent from the following description and with particular reference to the accompanying drawings.

In the drawings: Figure 1 is a vertical longitudinal section through the device. Fig. 2 is an end view of the drum. Fig. 3 is a longitudinal sectional view of the spring drum. Fig. 4 is an end view of the casing.

Referring to the drawings, 10 represents a cylindrical casing having a hinged cover 11. Projecting from the lower central portion of the casing is a smooth bored nipple 12 through which the electric wire 13 is adapted to be drawn, and to the end of which is attached a suitable lamp 14. In the diametrically opposite portion of the casing is a threaded nipple 15 which is adapted to be secured into the ordinary ceiling socket 16, or may be attached to any light socket. The device is thus capable of being moved and readily attached where desired.

In one end of the casing is a bushing insulation 17, having formed therein an elongated opening 18 adapted to receive the flattened portion 19 of the ratchet pintle 20 of the drum 21. On the adjacent end of the drum is a disk 22 having secured pivotally thereto at opposite points, the gravity pawls 23 which have the usual noses 24 for engagement in the ratchet recesses 25 of the pintle 20. Struck up from diametrically opposite points of the disk 22 are the stop lugs 26, against which the pawls 23 are adapted to engage to prevent them moving outwardly beyond their center of pivotal movement during the rotation of the drum. The end

of the drum is of the usual construction used in the ordinary spring shade roller, and has the bore 27 which contains a spring 28 having one end engaged in an opening 29 in the extension 30 of the pintle 20, the opposite end of the spring being secured to the block 31 as usual. The projection 30 of the pintle 20 has the flange 32 which prevents outward movement of the pintle. In the opposite end of the drum is formed a recess 33 and secured to the end of the drum is the disk 34 having a centrally arranged opening 35 and a small flange 36 surrounding said opening, which flange being seated within the recess 33 when the disk 34 is attached to the drum. A pintle 37 having an enlarged cylindrical portion 38 is mounted to reciprocate within the flanges 36, and is provided at its inner end with a suitable collar 39 which abuts against the inner edge of the flange 36, under the pressure of the spring 40 located between said portion 38 and inner wall of the recess 33. Projecting from the upper end of the portion 38 is an elongated cylindrical member 41 adapted to engage and rotate within an insulated bushing 42 mounted in the opposite end of the casing 10. This bushing 42 has a central opening 43, and in one portion thereof has an open ended slot 44, extending from the upper periphery of the bushing to the central opening, so that when the extension 41 of the pintle 37 is engaged in said slot and pressure exerted thereon, the pintle will be forced inwardly against the tension of the spring 40, and snap into the opening 43. The cover 11 has the recesses 45 and 46 formed therein to engage around a portion of each of the bushings 17 and 42 when said cover is in closed position.

Mounted within the casing are the brushes 47, which are connected to the leads 48, said brushes engaging with the metallic rings 49 on the drum, and transmitting current to the wires 13, which are connected respectively, to said rings.

Upon pulling downwardly on the wires 13, by grasping the lamp 14, said wires will rotate the drum 21 and wind the spring therein, the pawls 23 preventing the unwinding of the spring when the pull is released, the pawls alternately falling against the lugs 26 during such rotation. The arrangement of the slot in the bushing 42 makes it easy, when the cover has been raised to first engage the flat portion 19 of the pintle 20 in

the opening 18 of the bushing 17, and then slip the pintle 37 along the slot 44, and into the opening 43.

What is claimed is:

- 5 In an electric-light fixture, a casing having a threaded nipple for engagement with a socket, a hinged cover on the casing, a nipple for the passage of electric wire there-
10 through, an insulated bushing in one end of said casing, a drum within the casing on which the wires are adapted to be wound, said drum having a disk mounted in one
15 end, pawls pivotally mounted on said disk, stop lugs struck up from said disk for engagement of the said pawls, a pintle in the said end of the drum, said pintle having recesses for engagement of the ends of said
pawls, a disk mounted on the end of the drum, an inwardly directed flange surround-

ing a central opening in said disk in the end 20
of said drum having a recess formed therein to receive said flange, a pintle slidable within said flange, a stop collar on the inner end of the pintle for engagement with the flange, a spring within the recess to hold 25
the pintle normally outward, and an insulated bushing arranged in the opposite end of said casing from the first named bushing having a central opening to receive said
30 pintle and an open-ended slot, whereby said pintle can be engaged within said opening against the tension of said spring.

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

ARTHUR J. PAGNOD.

Witnesses:

H. V. RONCA,

M. G. PAGNOD.