

E. S. NEWBOLD.

LAMP.

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1,043,244.

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Fig. 1.

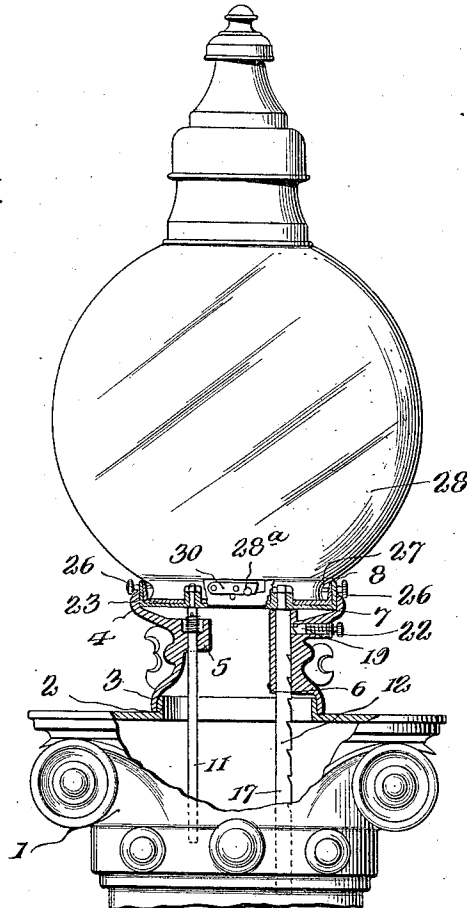


Fig. 2.

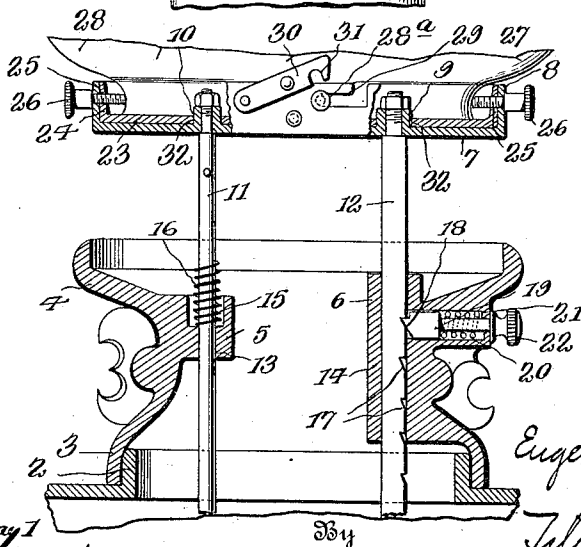
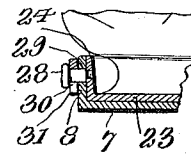


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

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LAMP.

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To all whom it may concern:

Be it known that I, EUGENE S. NEWBOLD, a citizen of the United States, residing at Baltimore city, State of Maryland, have invented certain new and useful Improvements in Lamps, of which the following is a specification.

This invention relates to improvements in lamps, and more particularly to a device for raising and lowering the globes of street and other lamps, in order to get easy access to the burner.

The object of the invention is to provide a simple means for attaching the globe to the lamp-post or other support which carries the burner, so that the globe may be readily raised to have easy and free access to the burner for repairs, or other purposes, and further to provide a means for firmly and securely attaching the globe to its support, and preventing the same from turning therein, but at the same time, permitting the easy removal of the globe when desired.

Referring to the drawings,—Figure 1 is a broken sectional view of the upper portion of a lamp-post, with the device attached, the parts being shown in normal position; Fig. 2 is a similar view, showing the parts in raised position, or in the position in which access may be had to the burner; Fig. 3 is a broken sectional view showing the manner of locking the globe and parts carried thereby to the extensible support.

Referring to the drawings, the numeral 1 represents the upper part of a lamp-post or other lamp support. This is provided with an annular flange 2 around which fits snugly, the annular flange 3 of a casting 4. This casting, which is hollow, is provided on the inside with two sleeves 5 and 6.

The numeral 7 designates a support which is provided with an annular flange 8, and in the bottom thereof, I provide two bosses 9 and 10 in which are fastened sliding rods 11 and 12. The rod 11 passes through a bore 13 in the sleeve 5, while the rod 12 passes through the bore 14 in the sleeve 6.

The sleeve 5 is provided with a socket 15 in which rests the lower end of a spiral spring 16, which spring has its upper end secured to the rod 11. The spring 16 acts as a buffer for part 7, and also serves to aid in lifting the support 7 when it is desired to have access to the burner (not shown)

within the shade and which spring will be compressed when the parts are in normal position, or in the position shown in Fig. 1.

The rod 12 is provided with a series of notches 17 adapted to be engaged by the tooth 18, on a sliding pin 19, which works in a bore 20 in the casting 4. This pin 19 is reduced in diameter as shown and is surrounded by spiral spring 21 which exerts a tendency to keep the forward end or tooth of the pin always in engagement with the rod 12. The end of the pin is provided with a head 22 by which it may be manually retracted when it is desired to disengage the pin from one or the other of the notches in the rod for the purpose of permitting the support, globe and parts carried thereby, to be returned to normal position, after once having been raised, to gain access to the burner.

Seated snugly within the support 7 is a globe rest 23 provided with an annular flange 24 which extends upwardly to the top of the support 7. This flange is provided with screw threaded apertures 25 for the passage of retaining screws 26, which are threaded into the flange 8 of the support 7, which screws are adapted to engage the lower portion, or annular groove 27 of the globe 28. The flange 24 of the globe-rest, is provided with a headed pin 28 which is adapted to enter a bayonet slot 29 in the flange 8 of the support 7, and pivoted to the outside of the flange 8 in proximity to the final position of the pin 28, is a latch having an open slot 31 therein, which embraces the pin 28, whereby the globe-support is prevented from turning within the support 7. The globe-support is provided with two apertures 32 in its bottom, through which extend the bosses 9 and 10, which are integral with the support 7.

In operation, assuming the parts to be in normal position, or in the position shown in Fig. 1, and it is desired to reach the burner, it is only necessary to raise the globe-support and the parts carried thereby. When these parts are raised sufficiently, the spring actuated pin 19 will engage one or the other of the notches 17 depending upon how high the operator desires to raise the globe, and it will be held in raised position without further manual effort or action. When it is desired to lower the parts to their seat with-

in the casting 4, obviously it is only necessary to retract the pin, when the whole upper part of the device may be restored to normal position, where it will be held by the weight of the upper equipment. To remove the globe, obviously it is only necessary to withdraw the retaining screws 26, when the globe may be removed independently of the globe-support and to remove the globe-support it is only necessary to turn it slightly, until the body of the pin 28 comes opposite the vertical part of the bayonet slot 29, when the globe-support may be lifted out, or obviously the globe and globe-support may be lifted from the support 7, when the retaining screws 26 are sufficiently withdrawn.

Having thus described my invention, what I claim is:

1. A globe attaching device for lamps comprising a support for the globe, a vertical sliding guide rod attached to said support, a body adapted for attachment to the lamp support, means carried by said body and adapted to receive the guide rod, and means for supporting the rod at different heights when the globe support and body are separated.

2. A globe attachment for lamps comprising a body adapted for attachment to the lamp support, said body being provided with a sleeve, a globe support, a vertical sliding rod connected with the globe support, and adapted to enter said sleeve, said rod being provided with notches at intervals in its length, and a pin adapted to engage one or the other of the notches to hold the globe support and body separated.

3. A globe attachment for lamps comprising a body adapted for attachment to the lamp support, said body being provided with two sleeves, a globe support, two vertical sliding rods carried by the globe support and extending into said sleeves, means for engaging one of said rods, whereby the

globe support may be held separated from the body.

4. A globe attachment for lamps, comprising a body adapted for attachment to the lamp-support, said body being provided with two sleeves, two rods connected with the globe-support, extending through said sleeves in which they are adapted to slide, a spring surrounding one of said rods, the other rod being provided with notches, a spring actuated pin adapted to engage one or the other of the notches in the notched rod, whereby when the globe-support and body are separated, the latter will be held in raised position, substantially as described.

5. A globe attachment for lamps comprising a body adapted for attachment to a lamp-support, a globe-support, sliding connections between the globe-support and said body, and a globe rest within the support, means for locking the globe rest and the support together, and means for locking the globe-support in raised position relative to the body.

6. A globe attachment for lamps comprising a body adapted for attachment to a lamp-support, a globe-support, having an upwardly extending flange with a bayonet slot therein, a globe rest within the globe-support and having a pin adapted to enter the bayonet slot, a latch secured to the globe-support and adapted to engage the pin to prevent the globe rest from turning in the globe-support, the sliding connections between the globe support and the body, and means for temporarily supporting the globe-support above its seat in the body, substantially as and for the purpose set forth.

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

EUGENE S. NEWBOLD.

Witnesses:

Jos. T. NOSSEL,
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