April 22, 1924. 1,491,107

R. B. MEREDITH ET AL

POLE HOOK FOR ARC AND STREET LAMP LOWERING DEVICES

Filed Sept. 6, 1921

FIG. 1

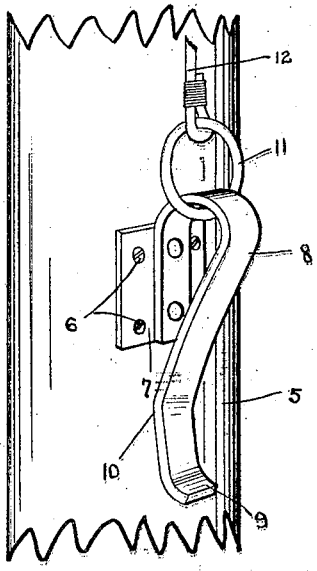


FIG. 2

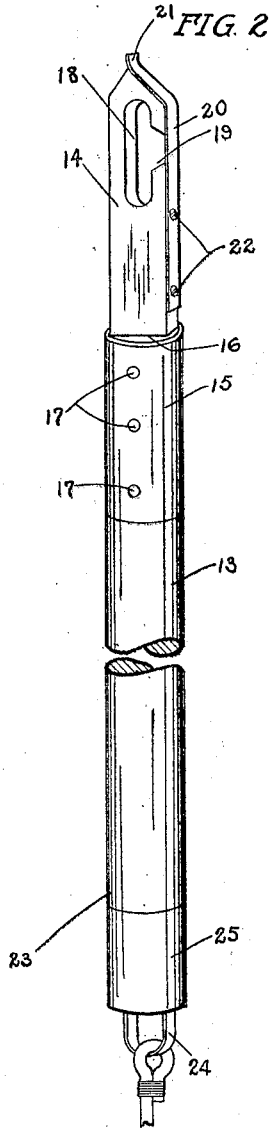
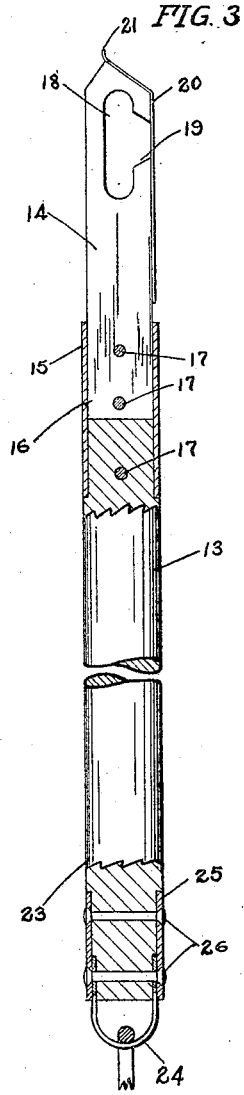


FIG. 3



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UNITED STATES PATENT OFFICE.

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POLE HOOK FOR ARC AND STREET LAMP LOWERING DEVICES.

Application filed September 6, 1921. Serial No. 498,936.

To all whom it may concern:

Be it known that we, ROY B. MEREDITH and STEPHEN B. DUSHENSKI, citizens of the United States, and residents of Oshkosh, in the county of Winnebago and State of Wisconsin, have invented new and useful Improvements in Pole Hooks for Arc and Street Lamp Lowering Devices, of which the following is a description, reference being had to the accompanying drawings, which are a part of this specification.

Our invention relates to pole hooks for arc and street lamp lowering devices.

In the present form of street lamp lowering devices now in common use considerable annoyance has resulted from the fact that trespassers can disturb the ropes or wires on electric light poles which are necessary for raising and lowering of the electric lamps.

It is one of the objects of this invention to eliminate this means of annoyance by arranging the device so as to be out of the reach of anyone seeking to tamper therewith.

A further object of the invention is to provide a positive hook for holding arc or street lamp lowering ropes.

A further object of the invention is to provide a simple, convenient, and efficient form of hook for arc and street lamp lowering devices.

With the above and other objects in view, the invention consists of the improved pole hook for arc and street lamp lowering rope devices and its parts and combinations as set forth in the claims, and all equivalents thereof.

In the accompanying drawing in which the same reference numerals indicate the same parts in all of the views:

Fig. 1 is a view of a portion of a pole provided with the pole hook having the street lamp lowering device attached thereto;

Fig. 2 is a side elevation of the staff for releasing and operating the street lamp lowering device; and

Fig. 3 is a view thereof having portions shown in section.

Referring now more particularly to the drawing, the numeral 5 represents a portion of an electric light pole. Secured thereto by screw means 6 and about eight or nine feet from the base of the pole so as to be beyond the reach of the ordinary individual, is a metallic plate 7 having riveted thereto a hook 8. Said hook is of spring or yieldable metal and has its opening projecting downwardly and the extremity of the outer arm of the hook is flared outwardly as indicated by the numeral 9. A portion of the extremity of the hook normally rests against the pole as at 10, but by means of the outward flare 9 and the yieldability of the hook, an object may easily be forced therebetween.

The numeral 11 represents a ring which is carried by the rope 12 leading to the street lamp lowering mechanism (not shown). The ring 11 is adapted to engage the bend of the hook 8 and to be held by said hook as shown in Fig. 1.

A staff 13 is further provided and is of elongated form and preferably four or five feet in length. At one extremity it carries a hook 14 secured to said staff by means of a metallic band 15, a slot 16, and pins 17. The hook 14 is provided with an oval, longitudinally extending recess 18 and an opening 19. The opening 19 to the recess 18 is midway between the ends of the recess and is normally closed by a snap spring 20 having a flared extremity 21 and secured to the hook member 14 by screw means 22. By having said opening 19 midway between the ends of the recess, the ring 11 may be easily forced between the pole as at 10 and the flared end 9 of the hook. During this movement, when the staff is pushed upwardly to force the ring, the ring will drop to the lower portion of the recess and by having the opening thereto so positioned, the ring will not bear against the snap spring 20 and bend it or become freed.

The other extremity 23 of the staff 13 carries an eyelet 24 secured to extremity 23 by a metallic band 25 and rivet means 26, as shown in Fig. 3. Said eyelet is adapted to have attached thereto a trimming or lowering rope.

In the operation of this device, a trimming or lowering rope is fastened to the eyelet 24 of the staff 13. The lamp trimmer then reaches up and hooks the upper end of said staff into rope ring 11 by means of the hook 14 and flared snap spring 20. A quick jerk downward releases the ring 11 from the pole hook 8 and the lamp is then lowered by letting the staff follow up the rope and ring. After finishing necessary work, the lamp is pulled up by means of the trimmer rope, and the ring 11 is then hooked back

under the pole hook 8 with a quick upward thrust. The staff is then detached from the ring.

From the foregoing description it will be seen that the pole hook for arc and street lamp lowering rope devices is of very simple construction, and is well adapted for the purposes described.

What we claim as our invention is:

1. A street lamp lowering device staff, comprising an elongated member, a hook member connected thereto at one end portion, and having a yielding means closing the hook opening, and a trimmer rope receiving eyelet secured to the other end portion of said elongated member.

2. A street lamp lowering pole, comprising a hook having a side elongated opening, a flared snap spring closing said opening, and an eyelet at the other extremity of said pole for receiving a trimmer rope.

3. A street lamp lowering device staff for use with a street lamp pole having a yieldable hook carried thereby at a considerable distance from its base and having a normally closed mouth, said pole also having a detachable ring held by said pole hook and adapted to be forced through said normally closed mouth and a street lamp lowering rope connected to said ring, comprising an elongated member for reaching said ring, a hook member connected thereto at one end portion for receiving said ring, and having a yielding means closing the hook opening, and a trimmer rope receiving eyelet secured to the other end portion of said elongated member.

4. A street lamp lowering staff, comprising a member having an elongated recess in one end thereof, said recess having a side opening thereto mid-way between its ends, a flared snap spring closing said opening, and an eyelet formed at the other extremity of said staff for receiving a trimmer rope.

In testimony whereof, we affix our signatures.

ROY B. MEREDITH.
STEPHEN B. DUSHENSKI.