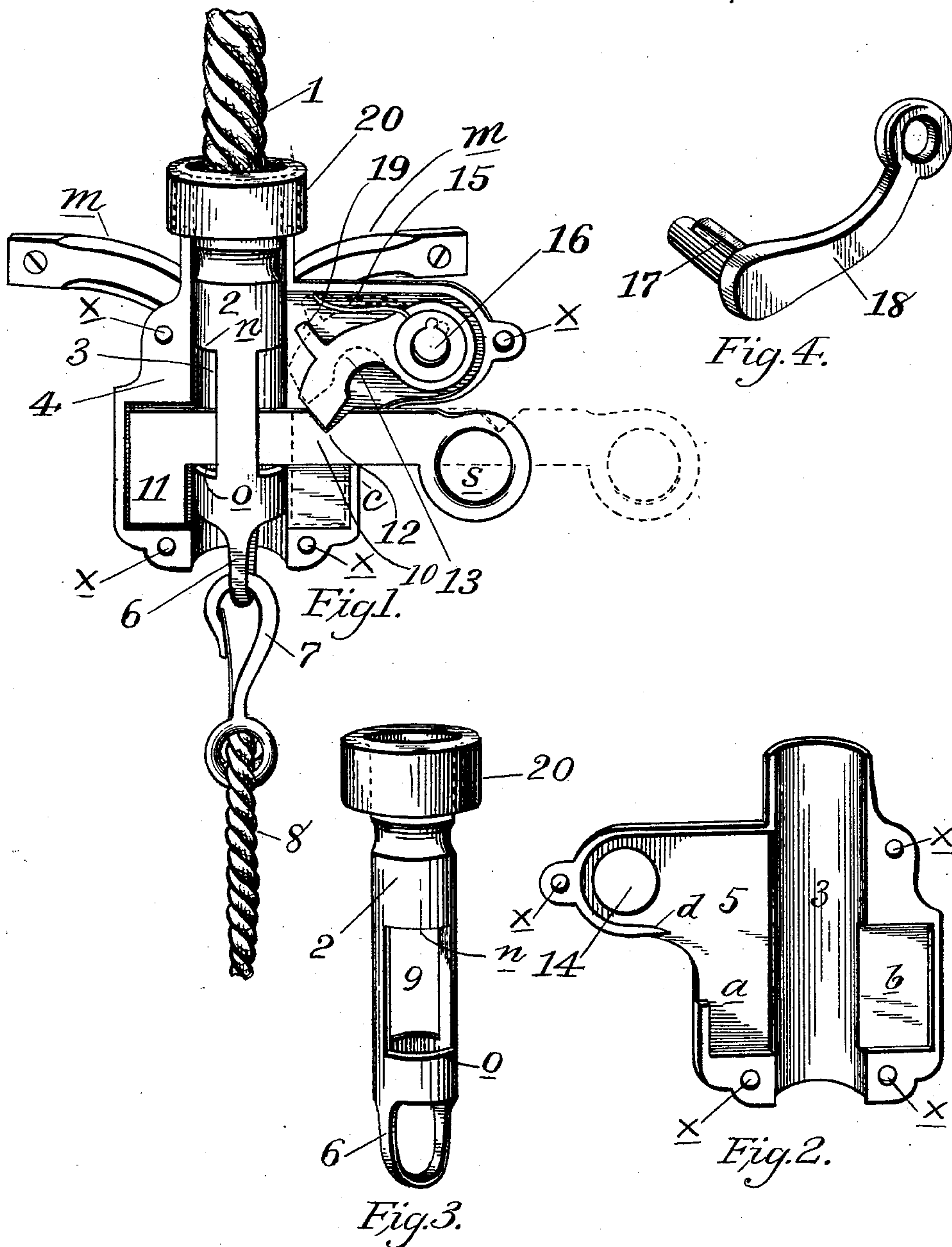


(No Model.)

W. F. BOSSERT & J. H. FINDLAY.
SECURING DEVICE FOR CABLES.

No. 482,939.

Patented Sept. 20, 1892.



Witnesses.
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UNITED STATES PATENT OFFICE.

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SECURING DEVICE FOR CABLES.

SPECIFICATION forming part of Letters Patent No. 482,939, dated September 20, 1892.

Application filed October 24, 1891. Serial No. 409,756. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM F. BOSSERT, of Utica, and JOHN H. FINDLAY, of Ogdensburg, New York, have invented certain new and useful Improvements in Securing Devices for Cables; and we do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form part of this specification.

Our invention relates to securing devices more particularly intended for use with supports for electric-light lamps.

In the drawings which accompany and form a part of this specification, and in which similar letters and figures of reference refer to corresponding parts in the several views, Figure 1 shows in perspective our securing devices with the front portion of the case removed. Fig. 2 shows an inside view of the plate removed from Fig. 1. Fig. 3 shows in perspective a portion of the mechanism shown in Fig. 1 on about a quarter-turn from the position in which it is shown in Fig. 1. Fig. 4 shows a lever-key used in connection with the device.

Referring more particularly to the reference letters and numerals marked on the drawings in a more specific description of the device, 1 indicates a rope or guy, which may extend to the short arm of a pivoted lamp-hanger arm or which may extend over suitable pulleys and support an electric lamp directly without the intervention of an arm at some point in the street or other place where it is desired to locate the lamp. The rope 1 is secured in cylindrical holder 2, which cylindrical holder 2 is adapted to enter the barrel 3, as into a sleeve, the barrel being formed one-half in the body portion 4 of the device and one-half in the cover portion 5 thereof. The lower end of holder 2 is provided with a loop 6, adapted to be engaged by a snap or other suitable catch 7 on the end of a cord 8, which cord is the one carried by the lamp trimmer or attendant. Through the middle portion of the holder 2 is provided a slotted opening 9,

which is of suitable length to allow the passage of the latch 10, including the downwardly-extending projection 11 thereon. The latch 10 is provided with notch 12, in which it is engaged by pawl or catch 13, which pawl or catch 13 is journaled at one side in an opening in body 4 of the device and in the other side in opening 14 in the cover portion 5 of the device.

15 is a spring provided for holding the pawl 13 down and in engagement with latch 10. Latch 13 is also provided with an irregular opening, as 16, adapted to receive a correspondingly-formed portion 17 of key 18, and is also preferably provided with a projecting ear 19, adapted to strike against the upper portion of the case and prevent the pawl from being operated further than necessary and reduce the liability to injure the spring 15. The latch 10 is contained within depressions *a b*, contained partially in each of the body portions of the case 4 and the cover portion 5, and the shank or handle of the latch-piece projects through an opening between the end of the walls *c d* on each portion of the casing. It will be observed that the tension of the pawl 13 on the top of the latch 10 when in its open or partially-open position causes the latch to run true in its ways. The upper end of the holder 2 is provided with hood or bell 20, which overhangs the upper end of the barrel 3 and protects it from the weather, besides furnishing other advantages hereinafter mentioned.

The body portion of the casing is provided with two or more arms, as *m m*, by means of which the device may be secured to a post or wall.

The cover of case 5 may be secured to the body portion of the same by screws or rivets passing through the openings *x x x x*.

The operation of the device is substantially as follows: The operator, coming to the device with a hook in his hand attached to the cord 8, snaps the same into loop 6 and, taking firmly hold of the cord, draws the holder 2 down until the shoulder *n* thereon comes in contact with the upper edge of the latch 10, and, having at the same time that he attached the hook 7 inserted the portion 17 of key 18

in the opening 16, he turns the lever of the key down and, at the same time inserting his thumb through the opening S in the latch-piece when the pawl is disengaged, draws the latch-piece into position shown in dotted lines in Fig. 1. The holder is then disengaged, and by paying out the cord 8 through the barrel 3 of the device the lamp hanger-arm or lamp, as the case may be, is allowed to descend. When it is desired to bring the lamp again into its elevated position, the cord 8 is drawn in until the holder 2 enters the barrel 3, and the bell-top 20 engages the upper end of the barrel, in which position the downward movement of the holder 2 is arrested in such position that the opening 9 will register with the latch 10, and the latch may be shoved into position to secure piece 2, and when this is done the pawl 13 engages notch 12 and secures the latch. The piece 2 is then allowed to ascend until the shoulder thereof engages on the lower surface of the latch, when the snap 7 and the key 18 may be removed, and the device is left secure.

One of the principal advantages to which it is desired to call attention is that the snap 7 must be securely engaged with the piece 2, and the operator must have drawn down and taken the weight before the device can be unscrewed, thus avoiding all liability to drop the lamp, and, again, the engagement of the piece 11 with the piece 2 when in secured position and the inclosure of the loop 6 within the barrel 3 makes the device secure from wrong-doers.

It is evident that numerous modifications and changes in and from the construction shown may be made without departing from the equivalents of our construction.

What we claim as new, and desire to secure by Letters Patent, is—

1. The combination, in a securing device, of a stationary body having a vertical barrel, a holder to which a guy or supporting-cable is attached, adapted to enter the barrel as a sleeve, and a latch for engaging the holder, substantially as set forth.

2. The combination, in a securing device, of a stationary vertical barrel, a holder to which a guy or supporting-cable is attached, adapted to enter the barrel as a sleeve, a latch for engaging the holder, and a catch for engaging the latch, substantially as set forth.

3. The combination, in a securing device, of a barrel, a holder to which a guy or supporting-cable may be attached and adapted to enter the barrel, and a latch for engaging the

holder, having a downwardly-extending projection adapted to engage the holder, whereby the latch cannot be drawn until the holder is drawn down, substantially as set forth.

4. The combination, in a cable or guy supporting device, of the barrel 3, the holder 2, and the latch 10, having projection 11, substantially as set forth.

5. The combination, on a cable or guy securing device, of the fixed barrel, a holder adapted to enter the barrel and having a loop or eye at its lower end for receiving a snap or hook, a latch adapted to engage the holder, and a pawl or catch for engaging the latch, substantially as set forth.

6. The combination, in a cable or guy securing device, of a fixed vertical barrel, a holder adapted to enter the barrel as a sleeve, having hood adapted to engage and cover the upper end of the barrel, and a lock for securing the holder, substantially as set forth.

7. The combination, in a cable or guy securing device, of a fixed barrel 3, a holder 2, a latch 10, having projection 11, and pawl or catch 13, substantially as set forth.

8. The combination, in a cable or guy securing device, of a vertical fixed barrel 3, a holder 2, having loop 6, a latch 10, having projection 11, and catch 13, having a keyhole, substantially as set forth.

9. The combination, in a cable or guy securing device, of a casing forming a vertical barrel 3, a holder 2, adapted to run in the barrel and adapted to be secured to the rope or guy and having an opening 9 and loop 6, a latch 10, having projection 11, and catch 13, having a keyhole, substantially as set forth.

10. The combination, in a cable or guy securing device, of a casing forming a vertical barrel 3, a holder 2, adapted to be secured to the cable or guy and to enter the barrel and having an opening 9 and loop 6 and hood 20, a latch 10, having projection 11, and catch 13, having a keyhole, substantially as set forth.

In witness whereof we have affixed our signatures in presence of two witnesses.

WILLIAM F. BOSSERT.
JOHN H. FINDLAY.

Witnesses as to signature of William F. Bossert:

JOSIAH PERRY,
M. E. ROBINSON.

Witnesses as to signature of John H. Findlay:

GEORGE E. VANKENNEN,
JNO. F. WELLS.