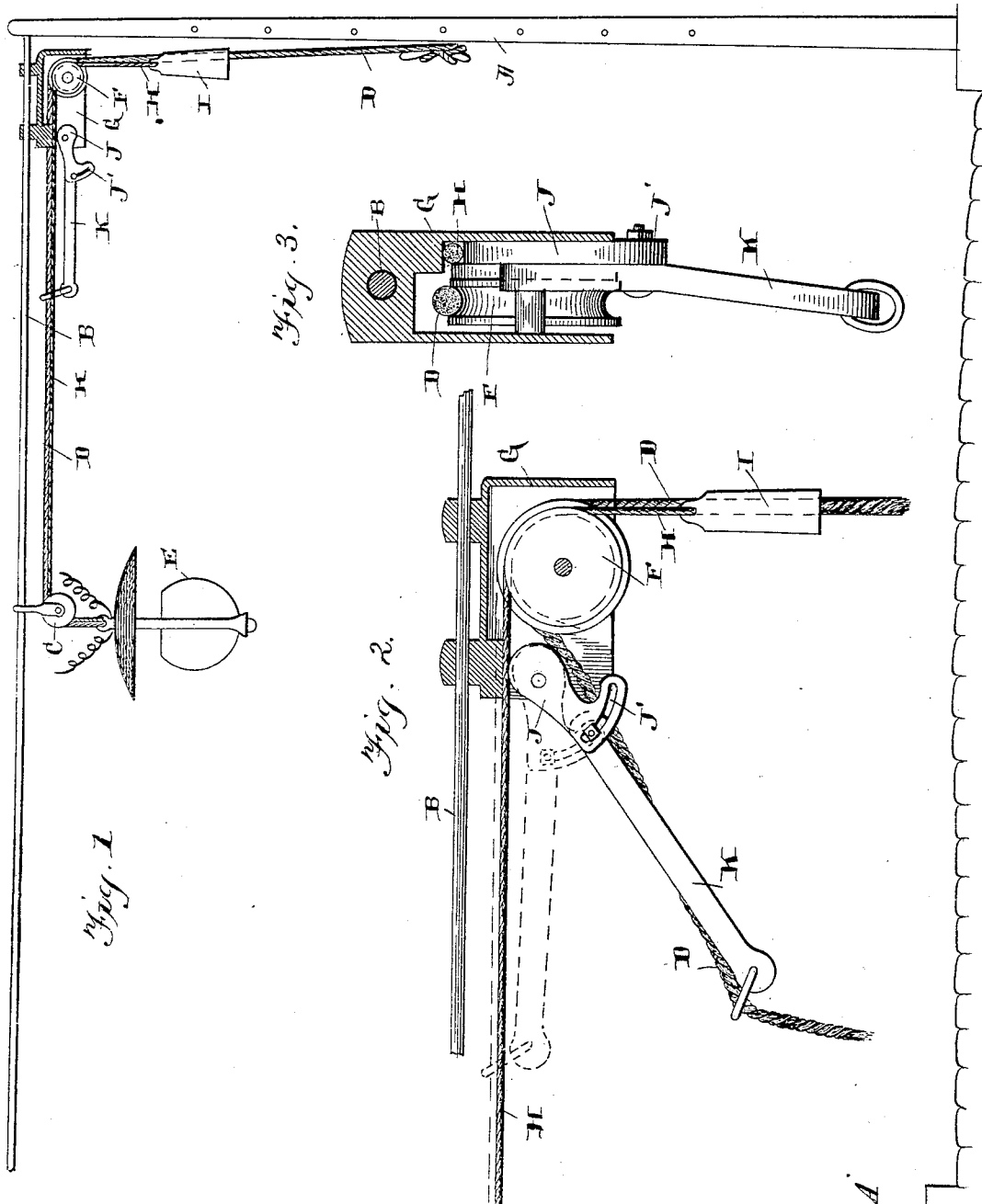


(No Model.)

T. HANCOCK.
LAMP HANGER.

No. 522,160.

Patented June 26, 1894.



WITNESSES:

Geo. C. Trech.
Walter Donaldson

INVENTOR

Thomas Hancock

BY

Lehman Peterson & West.
ATTORNEYS-

UNITED STATES PATENT OFFICE.

THOMAS HANCOCK, OF MARIETTA, OHIO.

LAMP-HANGER.

SPECIFICATION forming part of Letters Patent No. 522,160, dated June 26, 1894.

Application filed November 15, 1893. Serial No. 491,054. (No model.)

To all whom it may concern:

Be it known that I, THOMAS HANCOCK, of Marietta, in the county of Washington and State of Ohio, have invented certain new and useful Improvements in Lamp-Hangers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in lamp hangers; and the object of the same is to guard against the falling of electrical arc lamps while being raised or lowered for trimming or other repairs.

The invention consists in the novel features of construction hereinafter fully described and claimed, and illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of a lamp and support having my improved device applied thereto. Fig. 2 is a similar view of the same in actual use. Fig. 3 is a cross sectional view.

A are posts arranged upon opposite sides of the street to be illuminated, and B the lamp supporting wire secured thereto. Pulley block C is secured to said wire and passing therethrough is line D having secured to its outer end lamp E. The inner end of this line passes downward over sheave F journaled in frame G which latter is secured near one end of wire B. The free end of line D is secured to a button on post A in the usual manner.

H is the safety line secured at its outer end to the lamp and passing inward through block C and over sheaf F where it has secured to its free end weight I. Pivoted in frame G forward from sheave F is cam J, between which and the top of frame G the line H extends. The outer end of this cam is slotted at J' and adjustably secured thereto is lever K which extends substantially in a line with the cam and which has secured to its outer end ring L which encircles line D, thereby supporting the lever in a raised position with the cam free from line H. The latter is thus free to move with line D whenever the lamp is raised or lowered, the weight I serving to keep it taut as well as a counterbalance for the lamp. If therefore line D should break or from any cause become loosened from its se-

curing device without being held at its free end the slack therein will permit the lever K to drop of its own weight, thus causing the cam to engage positively line H against the top of frame G and securing the same from longitudinal movement. The lamp will thus be supported even though the main line D be broken or loose.

It will be observed that the operation of my improved safety device is entirely automatic, and that it is impossible to slacken line D without securing line H in such a manner as to support the lamp. By means of slot J' in cam J the lever may be adjusted as to effect the locking operation by a very slight movement.

By the use of this device the falling and consequent destruction of lamps is rendered impossible.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. An improved lamp hanger comprising a lamp supporting line, an auxiliary line secured to the lamp, and a locking device for the last named line over which it passes and which is held in an inoperative position by the lamp supporting line when taut, substantially as shown and described.

2. An improved lamp hanger comprising a lamp supporting line, an auxiliary line secured to the lamp, a cam over which the last named line passes for locking it, and a connection between the cam and the lamp supporting line for the purpose of holding the cam in an inoperative position, substantially as shown and described.

3. An improved lamp hanger comprising a lamp supporting line, an auxiliary line secured to the lamp, and a means for automatically securing said last named line when the supporting line has become broken or loose, substantially as shown and described.

4. An improved lamp hanger comprising a lamp supporting line, an auxiliary line secured to the lamp, a cam over which said line passes, a lever extending outward from the cam, and a connection between the lever and supporting line, substantially as shown and described.

5. An improved lamp hanger comprising a lamp supporting line, an auxiliary line se-

cured to the lamp, a cam over which said line passes, a lever adjustably secured to the cam, and a connection between the lever and supporting line, substantially as shown and described.

5 6. An improved lamp hanger comprising a lamp supporting line, an auxiliary line secured to the lamp, a cam over which the said line passes, a lever extending from said cam, 10 and a ring in the outer end of the lever which encircles the supporting line, substantially as shown and described.

15 7. An improved lamp hanger comprising a lamp supporting line, an auxiliary line weighted at its inner end and at its outer end secured to the lamp, a cam over which said line passes, and a connection between the same and the supporting line for holding it in an

inoperative position, substantially as shown and described.

20 8. An improved lamp hanger comprising a lamp supporting line, a frame, a sheave journaled therein over which said line passes a weighted auxiliary line passing over said sheave and secured to the lamp, a cam for 25 locking the last named line in said frame, and a connection between said cam and the supporting line for holding the cam in an inoperative position, substantially as shown and described.

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

THOMAS HANCOCK.

Witnesses:

W. M. DICKSON,
W. G. WAY.