No. 746,718. PATENTED DEC. 15, 1903.

H. H. LOTH.

ROLLER HANGER FOR AERIAL CABLES.

APPLICATION FILED SEPT. 18, 1903.

NO MODEL.

Fig. 1.

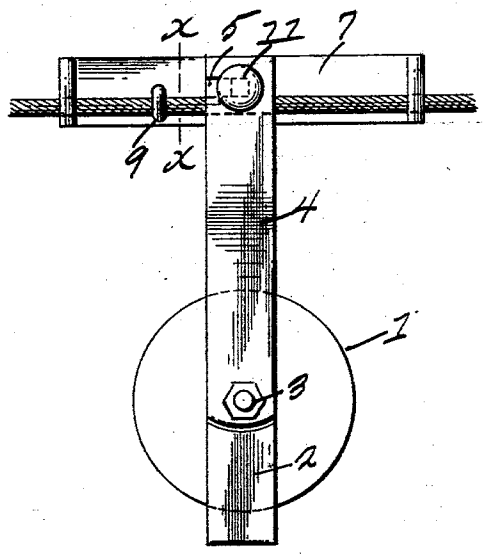


Fig. 2.

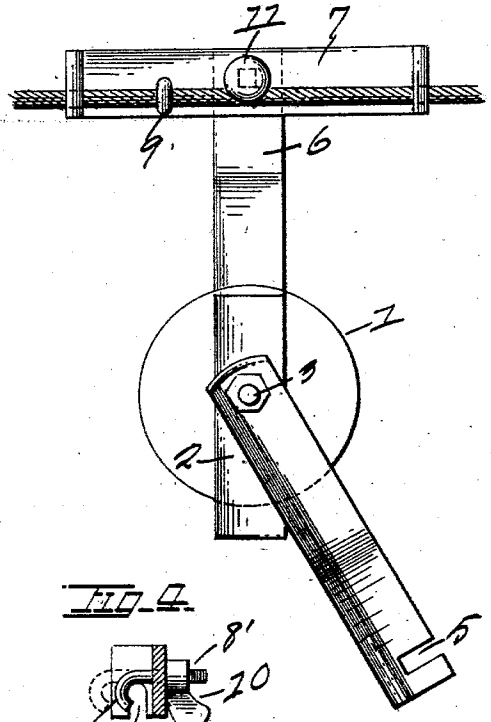


Fig. 3.

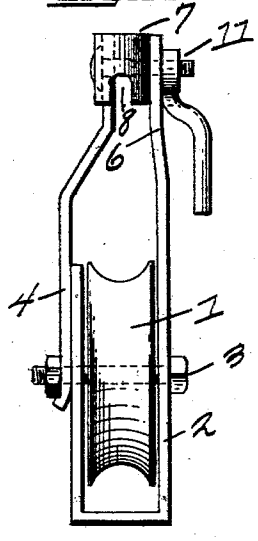


Fig. 4.

WITNESSES.

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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 746,718. Patented December 15, 1903.

UNITED STATES PATENT OFFICE.

HARRY H. LOTH, OF WAPAKONETA, OHIO, ASSIGNOR TO THE W. G. NAGEL ELECTRIC COMPANY, OF TOLEDO, OHIO, A CORPORATION OF OHIO.

ROLLER-HANGER FOR AERIAL CABLES.

SPECIFICATION forming part of Letters Patent No. 746,718, dated December 15, 1903.

Application filed September 18, 1903. Serial No. 173,657. (No model.)

To all whom it may concern:

Be it known that I, HARRY H. LOTH, of Wapakoneta, county of Auglaize, and State of Ohio, have invented certain new and useful Improvements in Roller-Hangers for Aerial Cables; and I 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 figures of reference marked thereon, which form part of this specification.

This invention has reference to a roller-hanger for aerial cables; and it has for its object to provide more effective means than have heretofore been provided in devices of a similar character, whereby the same are securely fastened to the cable adapted to support them.

The nature of the improvement will be best understood by reference to the accompanying drawings, which form part of this specification, and the same comprises the novel combination and arrangement of the parts hereinafter shown, described, and claimed.

In the drawings, Figure 1 is an elevation of my improved cable-hanger. Fig. 2 is a similar view showing the frame of the hanger open to receive the cable. Fig. 3 is a side elevation of the hanger. Fig. 4 is a transverse section on line $x\,x$, Fig. 1, taken through the top bar of the hanger, disclosing the hook-shaped fastening-bolt for securing the supporting-cable.

Referring to the details, 1 indicates the pulley adapted to support the telephone-cable, the same being mounted in a frame 2, inclosing the pulley on opposite sides and at the bottom, the top being open to permit the cable to be laid in the groove of the pulley. The pulley rotates upon a bolt 3, and at one end of the bolt is pivoted a swinging bar 4, provided at its free end with a laterally-extending slot 5. One side of the frame is extended upwardly at 6, taking a position adjacent to the swinging bar 4 when the latter is in raised position.

7 is a supporting-bar having its ends bent at right angles and provided with slots 8, extending upwardly from the lower edge of the same, the supporting-cable being adapted to enter these slots.

8 is a bolt extending through a perforation in the supporting-bar, bent in the form of a hook at one end, as at 9, the other end being screw-threaded and having a wing-nut 10 run thereon to firmly secure the supporting-cable to the bar 7.

11 is a bolt extending through a perforation in the portion 6 of the frame 2 and also through a perforation provided centrally of the supporting-bar, the head end of said bolt being engaged by the free end of the swinging bar 4, the slot 5 permitting easy attachment or detachment thereof.

The operation of my improved cable-hanger will be understood by those skilled in the art to which my invention relates. It will be apparent that I provide means for securely fastening the hanger upon the supporting-cable and that when the swinging bar 4 is lowered to remove or replace the telephone-cable there is not the usual danger of dislodging the entire hanger. Furthermore, the frame in which the pulley is mounted being pivotally connected at its upper end with the supporting-bar the danger of breakage at the angle of connection of the frame with the supporting-bar is eliminated, such breakage ofttimes resulting where the frame and the cross-bar are integral, as a result of the lateral pull upon the hanger. By means of the construction shown the pulley supporting the cable is permitted to swing in either direction, thereby compensating for any lateral strain.

The novelty, utility, and advantages of my invention will be apparent.

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

1. In a cable-hanger, a supporting-bar having its ends bent at right angles and provided at these ends with slots entering from the lower edges thereof, a hook-shaped bolt extending through a perforation in said bar adapted to engage a supporting-cable, and a frame carrying a pulley, pivotally connected with said supporting-bar, substantially as described.

2. In a cable-hanger, a supporting-bar hav-

ing its ends bent at right angles and provided at these ends with slots entering from the lower edges thereof, a hook-shaped bolt extending through a perforation in said bar adapted to engage a supporting-cable, a frame adapted to support a pulley, a pulley inclosed by said frame, a bolt for mounting the pulley carried by said frame, a swinging bar pivoted at one end to said bolt and provided at its free end with a slot entering one of its lateral edges, and a bolt extending through the supporting-bar adapted to engage the frame on one side of said bar and the free end of the swinging bar on the other side thereof, substantially as shown and for the purpose set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

HARRY H. LOTH.

Witnesses:
WILLIAM G. NAGEL,
CARL H. KELLER.