

(No Model.)

N. NEWMAN.
HANGER FOR TROLLEY WIRES.

No. 457,660.

Patented Aug. 11, 1891.

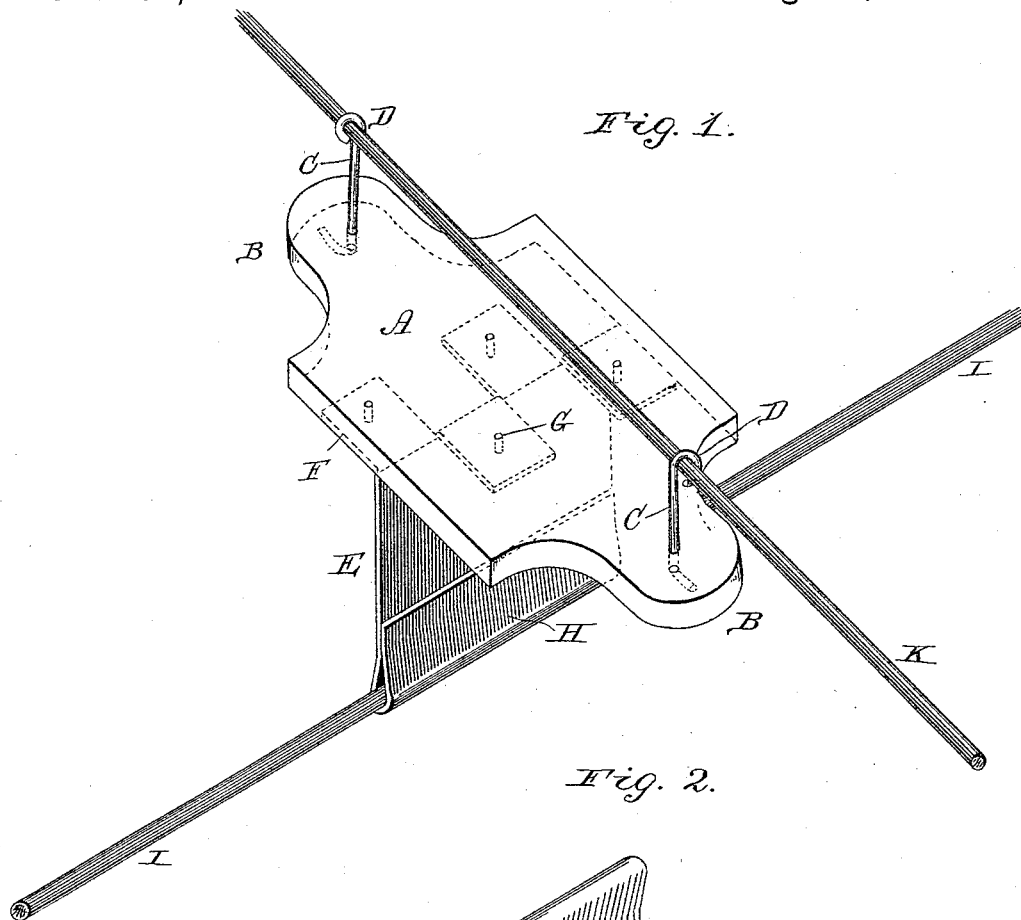
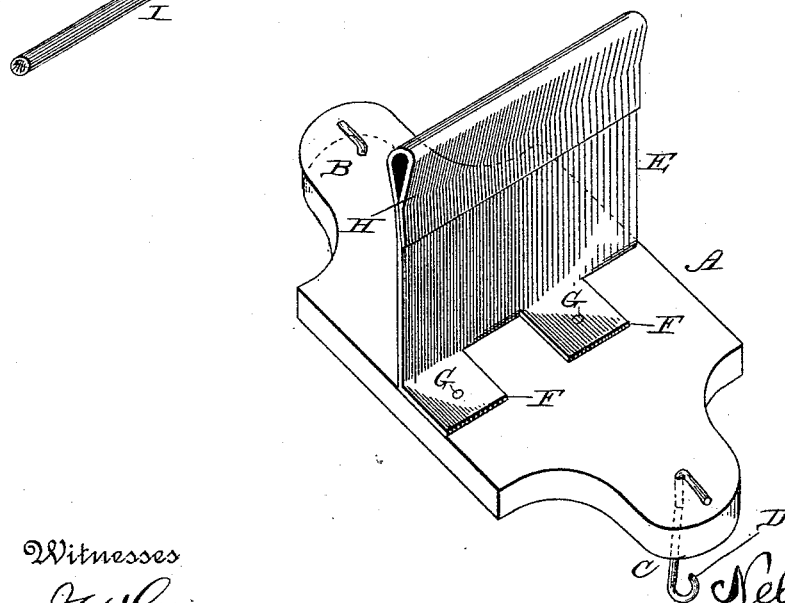


Fig. 1.



Witnesses
J. W. Garner
F. L. Swift

Inventor
Nelson Newman
By his Attorneys
Freeman & Money.

UNITED STATES PATENT OFFICE.

NELSON NEWMAN, OF SPRINGFIELD, ILLINOIS.

HANGER FOR TROLLEY-WIRES.

SPECIFICATION forming part of Letters Patent No. 457,660, dated August 11, 1891.

Application filed September 23, 1890. Serial No. 365,913. (No model.)

To all whom it may concern:

Be it known that I, NELSON NEWMAN, of Springfield, county of Sangamon, State of Illinois, have invented a new and useful Improvement in Insulated Hangers for the Trolley-Wires of Electric Railways; 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 it, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to an improvement in insulated hangers for the trolley-wires of electric railways; and it consists in the peculiar construction and combination of devices that will be more fully set forth hereinafter, and particularly pointed out in the claims.

The object of my invention is to provide an insulated hanger which shall be extremely cheap and efficient and which is capable of being readily adjusted to a position over the center of the car-tracks.

In the accompanying drawings, Figure 1 is a perspective view of my improved insulated hanger, showing the same in position for use. Fig. 2 is an inverted perspective view of the same.

The base A of the hanger is made of rubber, mica, glass, or any other suitable non-conducting material, and is rectangular in shape and has projecting ears B at its ends. Hooks C, having eyes or loops D at their upper ends, have their lower ends secured in openings in the ears B in any suitable manner; or the lower ends of the hooks, after being passed through the openings, may be bent at right angles and caused to lie under the lower side of the insulating-base A, as shown.

The web E of the hanger is made of a rectangular piece of sheet metal, (preferably copper or brass,) and is first slitted at its upper edge for a suitable depth to form ears F, which are alternately bent outward in opposite directions from the web and adapted to lie flush against the lower side of the insulating-base. Screws, rivets, or other suitable devices G pass through openings in the insulating-base and in the ears F, and serve to secure the web to the base at right angles thereto and across the center thereof, and

hence the web depends from the insulating-base, as shown. The lower edge of the web is bent over and turned upward to form a keeper H for the trolley-wire I, electrical contact being thereby established between the trolley-wire and the web, and the lower edge of the latter being bent under and around the trolley-wire.

In use the loops or eyes of the hooks C catch on the supporting-wire K, suspended across and above the track and over the trolley-wire in the usual or any suitable manner, and hence my improved hanger serves to suspend the trolley-wire from the supporting-wires and thoroughly insulate it therefrom. Moreover, the hooks C adapt the hanger to be readily moved in a direction at right angles to the supporting-wires to enable the hanger and the trolley-wire to be readily adjusted to a position directly over the center of the track.

Having thus described my invention, I claim—

1. The insulated hanger having the flat non-conducting base A, the hooks attached to said base and adapted to engage the supporting-wire, and the depending flat metallic web lying at right angles to the base and rigid therewith, the lower end of said web being doubled or bent upon itself at H to provide a broad bearing or contact for the trolley-wire, substantially as shown and described, for the purpose set forth.

2. The insulated hanger for trolley-wires, comprising the flat non-conducting base A, having the ears B at its ends, the hooks rigidly fastened to said ears, and the metallic flat web E, having at its upper end the alternate flanges G, disposed on opposite sides thereof and provided with the doubled or folded lower end H for the reception of the trolley-wire, said depending web lying at right angles to said base and having its flanges rigidly fastened to the base, substantially as described.

In testimony that I claim the foregoing I append my signature.

NELSON NEWMAN.

Witnesses:

WM. R. BOWERS,
E. S. DAY.