

March 6, 1928.

N. A. MICHAELSON

1,661,902

FEED WIRE SUPPORT

Filed May 27, 1927

Fig. 1.

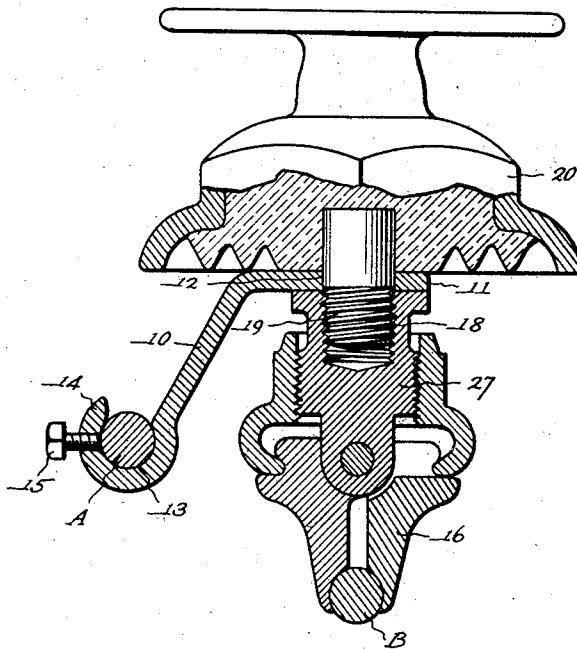
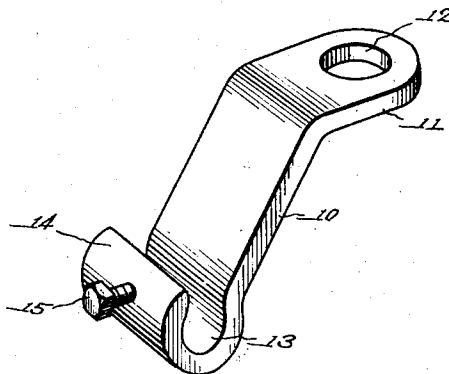


Fig. 2.



WITNESSES

W. Frank
J. W. McLaughlin

INVENTOR
N. A. MICHAELSON

BY *Wm. H. Lee*
ATTORNEY

UNITED STATES PATENT OFFICE.

NELSON A. MICHAELSON, OF UNIONTOWN, PENNSYLVANIA.

FEED-WIRE SUPPORT.

Application filed May 27, 1927. Serial No. 194,738.

My invention relates to a supporting device for the feed wire of a trolley wire.

The general object of my invention is to provide a feed wire support of a form to be clamped between the feed wire hanger means and the insulator and engaged by the usual stud of the insulator, whereby it will be necessary only to unscrew the hanger ear and hanger from the insulator stud to emplace or remove the feed wire support.

Reference is to be had to the accompanying drawings forming a part of this specification, it being understood that the drawings are merely illustrative of one example of the invention.

Figure 1 is a vertical section of an insulator and trolley wire hanger of known form, having my feed wire support applied thereto, said support and feed wire being shown in vertical section.

Figure 2 is a perspective view of my novel feed wire support.

In carrying out my invention in accordance with the illustrated example, a feed wire support, designated generally by the numeral 10, has a horizontal arm 11 formed with a vertical hole 12. From the horizontal arm 11 the feed wire support 10 is disposed obliquely, and has at its lower end a groove 13 for the feed wire A, said groove being formed by the upturned end giving hook form to the lower portion of support 10, as indicated at 14, said member 14 having a set screw 15 to bind against the feed wire.

The invention is shown applied to an insulator and trolley wire hanger of known form, the numeral 16 designating the hanger for the trolley wire B and 17 a hanger member having a socket 18 whereby to screw said hanger to the depending stud 19 of the insulator 20. With the described construction the horizontal arm 11 is passed onto the stud 19 to bear against the under side of insulator 20. The hanger means is then screwed onto the stud 19 so that the top

surface of the hanger proper 17 bears against the under side of arm 11. Thus it requires only the screwing of the hanger means to hold the free wire support 10 in place, and the unscrewing of the hanger means to remove said feed wire support. The feed wire support is formed of any suitable material, such as brass, bronze, aluminum, steel or fibre, or insulating material that may have sufficient strength.

I would state furthermore that while the illustrated example constitutes a practical embodiment of my invention, I do not limit myself strictly to the exact details herein illustrated, since, manifestly, the same can be considerably varied without departure from the spirit of the invention as defined in the appended claims.

I claim:

1. The combination with an insulator having a depending stud and hanger means having threaded engagement with said stud, of a feed wire support having a member formed with an opening to fit over said stud, said member of the feed wire support being clamped against the under side of the insulator by the hanger means.

2. A feed wire support having at its upper end a member formed with a hole to fit over the usual depending stud of an insulator, whereby the said feed wire support is clamped in position by the usual hanger means engaging said stud.

3. A feed wire support having a horizontal arm at its upper end, said arm formed with a vertical hole to fit over the depending stud of an insulator, said feed wire support extending obliquely from said arm downwardly, and an upturned member formed at the lower end of said oblique portion and forming a groove to receive a feed wire; together with means held on said upturned member to bind against the feed wire.

NELSON A. MICHAELSON.