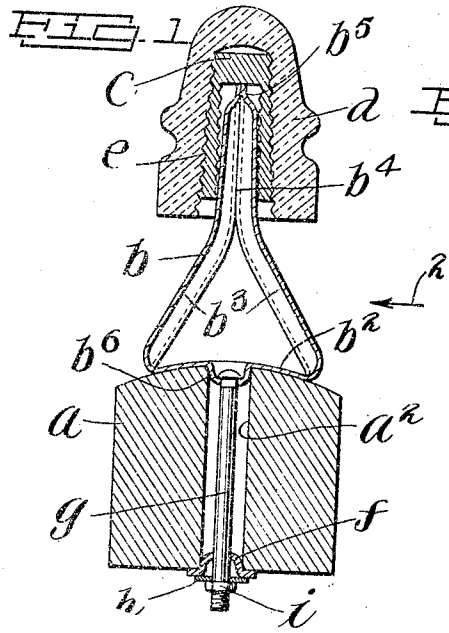
F. P. KOBERT.

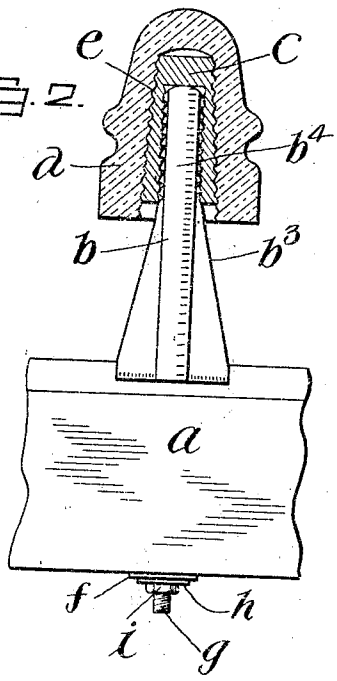
INSULATOR SUPPORT.

APPLICATION FILED JUNE 21, 1913.

1,110,495.

Patented Sept. 15, 1914.





Witnesses:

H. C. Thompson

S. Andrews

Inventor

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By his Attorneys Edgar Tate & Co.

UNITED STATES PATENT OFFICE.

FRANK P. KOBERT, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO THE BARNES & KOBERT MANUFACTURING COMPANY, OF NEW HAVEN, CONNECTICUT, A CORPORATION OF CONNECTICUT.

INSULATOR-SUPPORT.

1,110,455. Specification of Letters Patent. **Patented Sept. 15, 1914.**

Application filed June 21, 1913. Serial No. 774,954.

To all whom it may concern:

Be it known that I, FRANK P. KOBERT, a citizen of the United States, and residing at New Haven, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Insulator-Supports, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to insulating attaching devices for telephone, telegraph and other electric wires, and particularly to devices of this class used in connection with the cross arms of telegraph and other poles, and the object thereof is to provide a device of this class designed for use in connection with cross arms already provided with large vertical bores or passages through which are passed pins of wood or similar material with which the insulating wire attaching devices are connected.

The invention is fully disclosed in the following specification of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which:—

Figure 1 is a transverse sectional view of an ordinary cross arm of the class employed in connection with telegraph and similar poles provided with my improvement; Fig. 2 a sectional side view looking in the direction of the arrow 2 of Fig. 1.

In the drawing forming part of this specification, I have shown at a an ordinary cross arm similar to those employed at the present time, in connection with telegraph, and other poles. The cross arm a is provided with a large vertical bore or passage a^2 usually about an inch or an inch and a quarter in diameter, and through which is passed, according to the present custom, a wooden pin or plug with which the telegraph or other wires are connected. In my improvement, however, I provide a triangular bracket b having a transverse base b^2 adapted to fit transversely on the arm a, and having upwardly directed and converging side members b^3 brought together to form an extended shank b^4 with which, in practice, is connected a wood or fibrous block c on which is mounted the ordinary insulator d, with which, in practice, the electric wires are connected.

The bracket b is preferably composed of sheet steel and the side members b^3 are corrugated or ribbed longitudinally to give strength thereto, and in the construction shown only the opposite sides of the shank b^4 are threaded, and the wood or other block c is screwed thereonto, after which the insulator d is screwed onto the block c, and for this purpose said block c and insulator d are threaded, as shown at e.

The separate side members b^3 of the bracket b, when brought together to form the shank b^4, are welded or otherwise secured together at b^5, and the base b^2 of the bracket b is provided with a central countersunk washer member b^6 which fits in the top of the bore a^2 in the arm a, and I also provide a countersunk washer f which fits in the bottom of said bore, and passed centrally and downwardly through the countersunk portion b^6 of the base b^2 of the bracket b, and through the bore a^2 and through the bottom washer f is a bolt g by which the bracket attachment b is rigidly secured to the arm a, and mounted on the lower end of the bolt g is a supplemental washer h and nut i.

With this improvement, all the arms of telegraph and telephone poles, as now made, or having a bore a^2, may be utilized to the fullest extent, without the use of wooden or other fibrous plugs to form an attachment for the insulators, as may also all other arms of said class or for said purposes, formed in a similar manner.

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

1. The herein described insulating bracket attachment for electric wires designed for use in connection with a cross arm having a large vertical bore, said attachment comprising a body portion having a base provided with a countersunk member adapted to fit in the top of said bore, a countersunk washer adapted to fit in the bottom of said bore, and a bolt passed through the top countersunk member in the base of the bracket attachment and through said bore and the bottom countersunk washer.

2. The combination with a cross arm hav-

ing a vertical bore of an insulating bracket attachment for electric wires, said attachment comprising a triangular body portion composed of a base adapted to fit transversely on said arm, and converging side members brought together and projected to form a shank, the base being provided centrally with a countersunk member adapted to fit in the top of said bore, a countersunk washer placed on the bottom of said arm and filling in the bottom of said bore, and a bolt passed centrally through the countersunk member in the base of the bracket and through the bottom washer, and by which the attachment is secured to said arm.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this 19th day of June 1913.

FRANK P. KOBERT.

Witnesses:
C. MULREANY,
S. ANDREWS.