

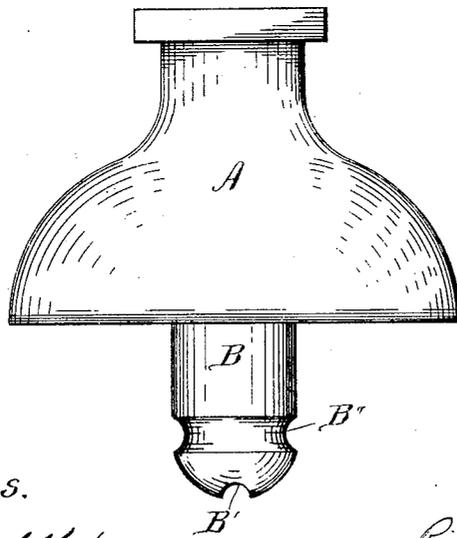
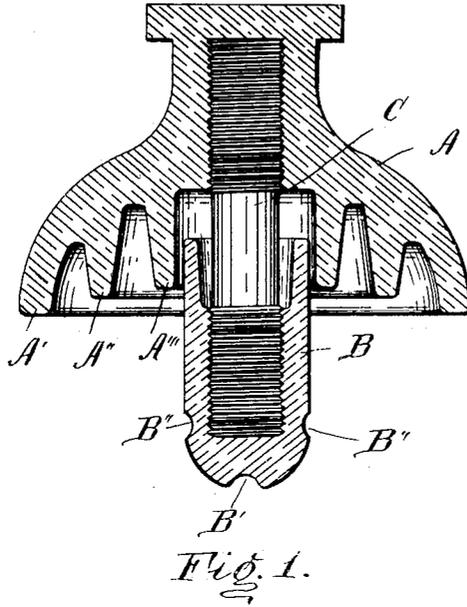
No. 686,609.

Patented Nov. 12, 1901.

R. G. HEMINGRAY.
INSULATING SUPPORT FOR ELECTRIC WIRES.

(Application filed Mar. 11, 1901.)

(No Model.)



Witnesses.
Casimir E. Melillope.
George Heidman

FIG. 2.

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UNITED STATES PATENT OFFICE.

RALPH G. HEMINGRAY, OF MUNCIE, INDIANA.

INSULATING-SUPPORT FOR ELECTRIC WIRES.

SPECIFICATION forming part of Letters Patent No. 686,609, dated November 12, 1901.

Application filed March 11, 1901. Serial No. 50,659. (No model.)

To all whom it may concern:

Be it known that I, RALPH G. HEMINGRAY, a citizen of the United States, and a resident of Muncie, in the county of Delaware and State of Indiana, have invented a certain new and useful Improvement in Insulating-Supports for Electric Wires, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, which form part of my specification.

My invention relates to the construction of that class of insulating-supports for electric wires in which the wire is supported below the cross-arm and in which an outer annular guard or shield is provided which surrounds the central supporting member for the line-wire, thereby protecting it from drip.

The object of my invention is to provide an insulator which shall be economical in manufacture and by reason of its structure less liable to breakage than the insulators of this class as now constructed. Its advantages will appear more fully as I proceed with my specification.

In the drawings, Figure 1 is a section through my improved insulating-support, and Fig. 2 is a side elevation of the same.

My improved insulator consists, essentially, of the outer annular guard or shield A and of a supporting member B below the annular guard A, the two being secured together by means of a shank C with screw-threads at each end thereof. The supporting member B is provided with a groove B' at the bottom, in which the main wire lies, and also with an annular groove B'', which serves as a support for the binding-wires which hold the main wire in the notch B'. The groove B'' may extend completely around the supporting member B or only part way, its purpose being simply to give sufficient bearing for the binding-wires.

The guard or shield A serves to shed moisture in the form of rain, snow, or sleet from the main wire at the point where it is supported in the groove B'. The guard is preferably provided with one or more downwardly-extending "petticoats" A', A'', and A''', although it may be made without these.

I do not wish to limit myself to any particular shape of guard or shield.

The guard A is secured to the cross-arm of the pole in any convenient and usual manner.

The guard A and the supporting member B are made of insulating material of some kind, commonly glass, porcelain, or vulcanite. I prefer to make the shank C of wood.

I find that an insulator constructed in this way is light, strong, and durable, is more cheaply manufactured than any other insulating-support of this class, and is very convenient of manipulation and attachment.

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

1. A main-line insulator and support consisting of a shank, a central supporting member removably secured to the same, a groove in said supporting member whereby the main wire is attached thereto, and an annular guard removably attached to said shank and surrounding said supporting member in such a way as to shed rain, moisture, &c., therefrom, substantially as described.

2. A main-line insulator and support consisting of the shank C, the central supporting member B, removably attached thereto and provided with the grooves B', B'', and the annular guard A surrounding the supporting member B, so as to shed moisture, rain, &c., said guard A, being removably attached to the shank C, substantially as described.

3. A main-line insulator and support consisting of a shank, a central supporting member removably secured to the same, means whereby the main wire may be attached to said supporting member, and an annular guard removably attached to said shank and surrounding and protecting the supporting member from moisture, rain, &c., substantially as described.

RALPH G. HEMINGRAY.

Witnesses:

CLARENCE E. MEHLHOPE,
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