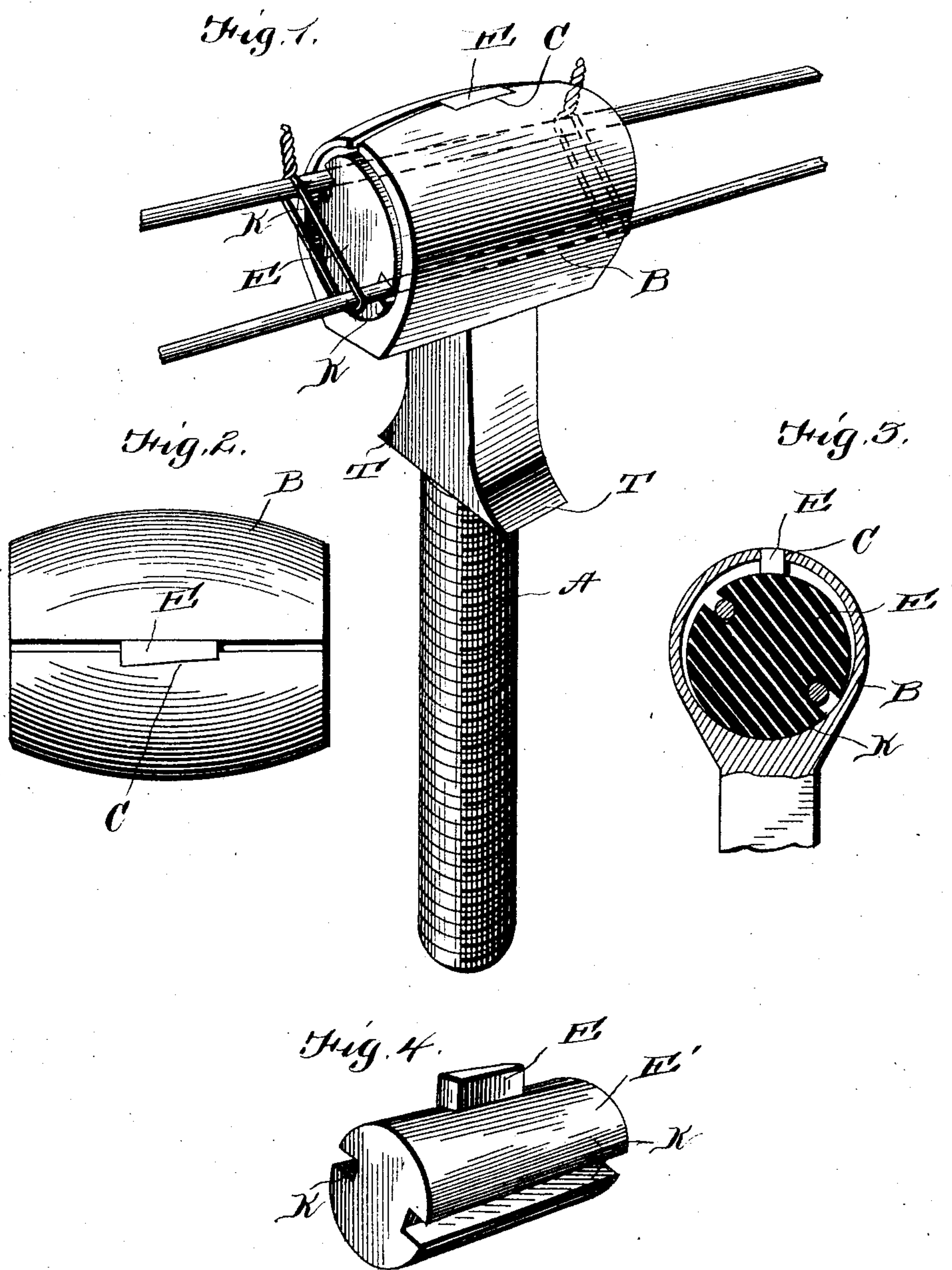


No. 787,107.

PATENTED APR. 11, 1905.

R. J. McDANIEL & S. V. GRAVES.
TELEGRAPH OR TELEPHONE WIRE INSULATOR.
APPLICATION FILED DEC. 10, 1903



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TELEGRAPH OR TELEPHONE WIRE INSULATOR.

SPECIFICATION forming part of Letters Patent No. 787,107, dated April 11, 1905.

Application filed December 10, 1903. Serial No. 184,599.

To all whom it may concern:

Be it known that we, ROBERT J. McDANIEL and SALATHIEL V. GRAVES, citizens of the United States, residing at McFall, in the county of Gentry and State of Missouri, have invented certain new and useful Improvements in Telegraph or Telephone Wire Insulators; and we do declare the following to be a full, clear, and exact description of the invention, such as 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 letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in insulators for electric lines; and the object of the invention is to produce a simple and efficient insulator to which wires may be easily and quickly applied and which may effectually hold the same insulated from suitable bracket-arms.

The invention consists in various details of construction and in combinations and arrangements of parts, which will be hereinafter fully described and then specifically defined in the appended claim.

We illustrate our invention in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this application, and in which drawings similar letters of reference indicate like parts in the views, in which—

Figure 1 is a perspective view of our improved insulator. Fig. 2 is a top view. Fig. 3 is a sectional view transversely through the insulator-head, and Fig. 4 is a detail view with the insulator-block removed from the casing.

Reference now being had to the details of the drawings by letter, A designates the shank portion of an insulator-holder which is threaded and adapted to be held to any suitable support, as a cross-arm of a pole, and one end of said bracket has a hollow head or shell B, the walls of which are flexible, forming two arms, the free ends of which are spaced apart, as shown. One of said arms has a recess C in its free edge and is designed to receive a lug

E upon the insulating-block E'. Said insulating-block, which is made of suitable non-conducting material, has two oppositely-disposed longitudinal grooves K for the reception of line-wires. The opposite faces of said lug E upon the insulating-block are slightly tapering, and said lug is designed to be forced between the two free edges of the arms of the bracket-head and to rest in the recess D, the two arms bearing against the opposite sides of the lug with sufficient force to frictionally hold the block in suspension, so that the wires carried by the block will be thoroughly insulated.

Projecting from the shank portion of the bracket-arm are shoulders T, which are adapted to contact with the cross-arm of the line-supporting wires.

While we have shown a particular construction of insulating-block and means for supporting the same embodying the features of our invention, it will be understood that we may make alterations, if desired, in the details of construction of the invention without in any way departing from the spirit of the invention.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

An insulating device comprising a bracket having a hollow head, the arms of which are flexible and spaced apart, one edge of one arm of said head having a recess, an insulating-block having diametrically opposite grooves to receive wires to be insulated, a lug projecting from said insulating member and adapted to be seated in said recess and conform to the shape of the recess, the outer face of said lug adapted to be frictionally engaged by one of the flexible arms of said head, as set forth.

In testimony whereof we hereunto affix our signatures in presence of two witnesses.

ROBERT J. McDANIEL.
SALATHIEL V. GRAVES.

Witnesses:

JOHN C. GROMER,
J. L. SWEET.