R. A. WILLIAMS.

INSULATOR.

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1,205,069.

Patented Nov. 14, 1916.

Fig. 1.

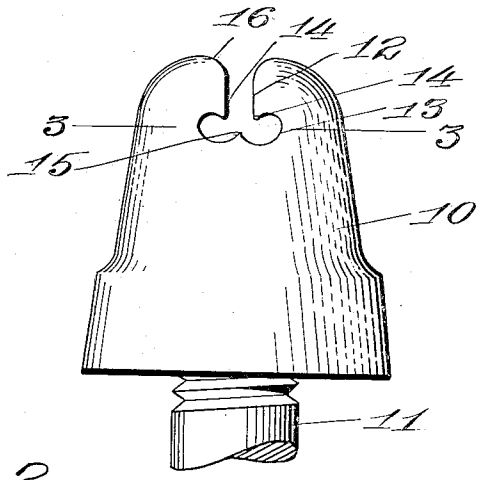


Fig. 2.

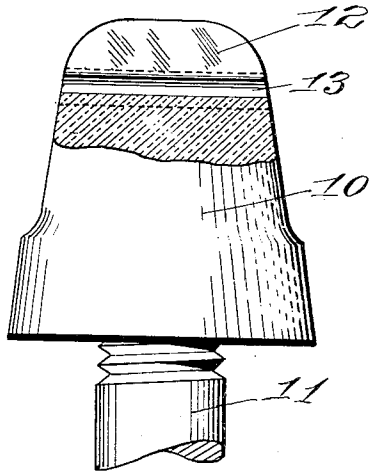
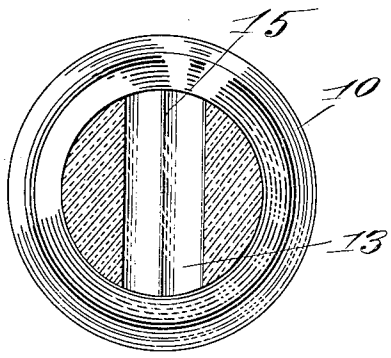


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

ROGER A. WILLIAMS, OF SAN MARCOS, TEXAS.

INSULATOR.

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To all whom it may concern:

Be it known that I, ROGER A. WILLIAMS, a citizen of the United States, residing at San Marcos, in the county of Hays and State of Texas, have invented certain new and useful Improvements in Insulators, of which the following is a specification.

This invention relates to means for supporting electric wires and has for its object the production of an improved form of insulator in which one or more wires can be attached thereto.

Another object of this invention is to provide an insulator that is provided with a slot in one end thereof and the said slot at its greatest depth terminating in lateral extensions forming grooves, the said grooves being the final securement for the wires held by this device. Further this slot is so formed as to provide an efficient means for guiding the wires into the same.

A still further object is the provision of a device as above set forth that is simple in construction efficient in operation and consists of a minimum number of parts.

With these and other objects in view this invention resides in certain novel features of construction, combination and arrangement of parts as will be hereinafter described and claimed and shown in the accompanying drawings wherein:—

Figure 1 is a view in elevation of the improved insulator; Fig. 2 is a view in side elevation of the improved insulator with a portion thereof shown in section; Fig. 3 is a section taken on line 3—3 of Fig. 1.

Referring to the parts by reference numerals 10 denotes the body of the same, it being understood that the device is preferably made of glass and in the base thereof is formed the ordinary centrally disposed threaded socket to receive the threaded ends of the ordinarily constructed post 11. In the opposite end of the insulator from that of the socket to receive the post 11 is formed a slot 12 the same, at its greatest depth being laterally spread so as to form the grooves 13 that have the overhanging lips 14 adjacent thereto. A dividing rib 15 is positioned between the slots 13 and said rib, as is clearly shown in Figs. 1 and 3, is disposed centrally of the slot 12. The outer edges of the slot 12 are rounded as at 16 so as to facilitate the guiding of wires into the same.

As above stated rounded faces 16 will guide the wires into the slot 12 and the wires are then moved inwardly until the same engage the rib 15 and are then guided into the desired slot 13 and when the same are drawn so as to be taut, they will by means of the curved faces of the slot in which they are positioned be moved therein until they are positioned, against the lip 14.

From the foregoing, it is evident that an insulator formed as above set forth will receive one or more wires and efficiently retain them out of engagement with each other and also the same is so constructed as to permit the wires to be quickly and easily attached thereto.

It is obvious that minor changes may be made in the form and construction without departing from the material parts thereof. It is therefore not wished to confine the invention to the exact form herein shown and described, but it is wished to include all such as properly come within the scope claimed.

Having thus described my invention what I claim is:—

1. An insulator comprising a body having a slot formed therein, the said slot being spread at its greatest depth to form a pair of grooves each adapted to receive and retain wire independently of the other, a dividing rib between said grooves for guiding wires into the respective grooves, overhanging lips for engaging wires positioned in said grooves and for retaining the same therein.

2. An insulator comprising a body having a slot formed therein the same being, at its greatest depth spread to form a pair of slots having overhanging lips and means for guiding wires into said slots and when said wires are taut to position them in engagement with said overhanging lips.

In testimony whereof I affix my signature in presence of two witnesses.

ROGER A. WILLIAMS.

Witnesses:
H. C. HUBBS,
GUS COOK.