(No Model.)

G. L. BROOMHALL.

INSULATING DEVICE.

No. 304,699. Patented Sept. 9, 1884.

Fig 1

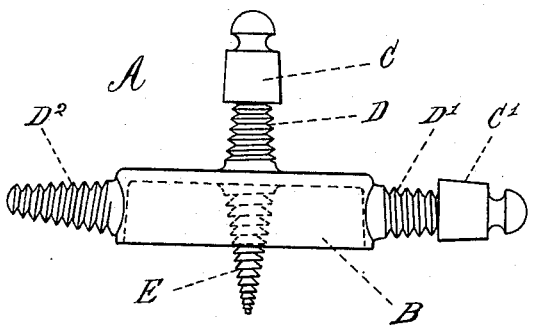


Fig 2

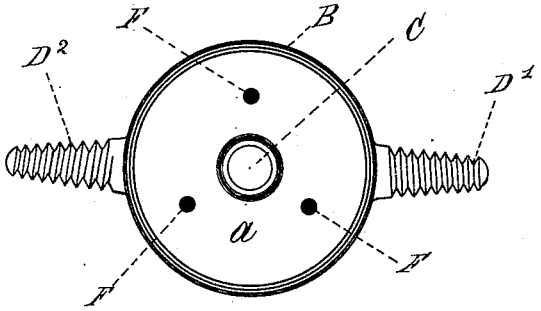
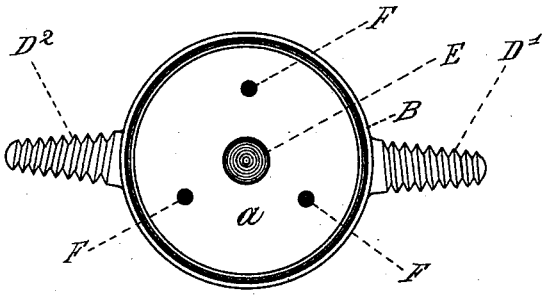


Fig 3



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UNITED STATES PATENT OFFICE.

GEORGE L. BROOMHALL, OF PATERSON, NEW JERSEY.

INSULATING DEVICE.

SPECIFICATION forming part of Letters Patent No. 304,699, dated September 9, 1884.

Application filed May 8, 1884. (No model.)

To all whom it may concern:

Be it known that I, GEORGE L. BROOMHALL, a citizen of the United States, residing at Paterson, Passaic county, State of New Jersey, have invented a new and useful Insulating Device to be Applied to Telephone and Telegraph Poles, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof.

The object of my invention is the production of a device for telephone and telegraph poles by which the securing of the telegraph and telephone wires to the pole is greatly facilitated.

The invention consists of the various devices which will be hereinafter fully explained.

A represents a device for covering the tops of telephone and telegraph poles of cylindrical form. The outer edge of the cylindrical top *a* is provided with a depending flange, B, which flange is provided centrally with lateral projecting screw-pins D′ and D², on which pins there are arranged glass insulators C′. The insulators have a screw-thread corresponding with the thread on the pins, and are adapted to screw thereon. The cylindrical plate *a* is provided with holes F, and centrally with a vertical screw-pin, D, to accommodate an insulator, C, the insulator C and pin D having corresponding threads, which adapt the insulator C to the pin D. The under side of the plate *a* is provided with a screw-pin, E, which pin depends from the under side of the plate, as shown in the illustration, in which—

Figure 1 shows the device in elevation. Fig. 2 is a plan of the top of the device, and Fig. 3 is a plan of the under side of the same.

In practice the top of the pole is sawed off in the usual way, after which action the sawed top of the pole is rounded off to the size of the inner side of the flange B, after which the center of the pole is provided with a suitable hole for the screw-pin E, after which action the pin E is placed in the hole made therefor in the top of the pole, and the device turned in the direction to screw the pin in the pole, the device being turned by the pins D′ D² until the under side of the plate *a* is brought jam on the pole, after which spikes may be driven in through the holes F into the pole, and thus firmly secure the device to the top of the telegraph and telephone pole. The device A having been arranged on and secured to the pole in the manner stated, the insulators C C′ are screwed on the screw-pins D D′ and D², and the telegraph and telephone wires are secured to the insulators in the usual way.

By the use of this my invention the tops of the poles are protected from the weather, and the flange B serves as a band for the top of the pole and prevents the pole from splitting, while the lateral projecting screw-pins D′ and D², provided with insulators C′, greatly facilitate the securing of the telephone and telegraph wires to the top of the pole, and furnish means for securing three separate wires to the top of the pole, holding the wires in the position shown by pins D′ and D², while the insulator C on the pin D securely holds the top wire.

My device, which is made of cast metal and cast in one piece, can be cheaply furnished.

Having described my invention, I claim and desire to secure by Letters Patent—

The combination, with the lateral projecting pins D′ D², provided with insulators C′, of the depending flange B and plate *a*, the plate provided with holes F, the pin D, provided with insulator C, screw-pin E, and the telegraph and telephone pole, substantially as set forth.

GEORGE L. BROOMHALL.

Witnesses:

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