(No Model.)

W. H. O'BEIRNE.

INSULATING TUBULAR IRON POSTS.

No. 403,482. Patented May 14, 1889.

Fig. 1.

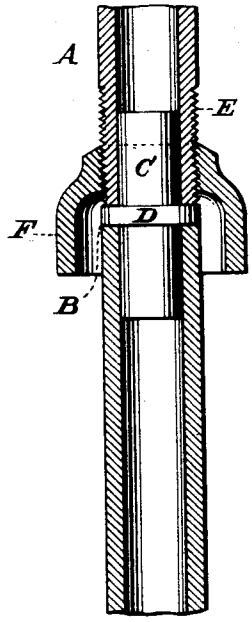


Fig. 3.

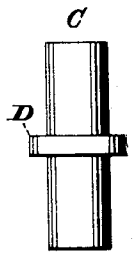
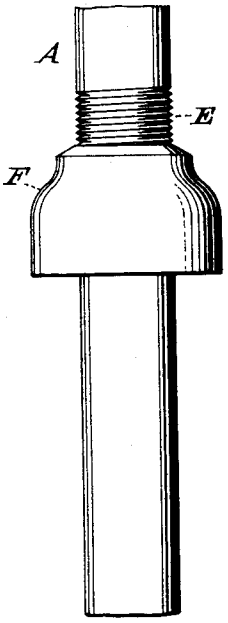


Fig. 2.



WITNESSES

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INSULATING TUBULAR IRON POSTS.

SPECIFICATION forming part of Letters Patent No. 403,482, dated May 14, 1889.

Application filed December 3, 1888. Serial No. 292,527. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. O'BEIRNE, a citizen of the United States, and a resident of Elgin, in the county of Kane and State of Illinois, have invented certain new and useful Improvements in Insulating Tubular Iron Posts; and I 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 letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of this invention, and is a vertical section. Fig. 2 is a side view. Fig. 3 is a side view of the insulator.

This invention has relation to insulators for tubular posts; and it consists in the construction and novel combination of devices, all as hereinafter set forth, and pointed out in the appended claims.

In the accompanying drawings, the letter A designates a tubular iron post separated at the point B, so that it is in two sections.

C is the insulator, which consists, preferably, of a piece of dry hard wood turned at each end of the proper diameter to fit the interior of the tube-sections. Between these turned ends is left the annular projection D around the insulator, this projection being usually about three-quarters of an inch in thickness, and being designed to separate the ends of the tubular sections by that distance when its turned ends are inserted into the ends of said sections.

Around the lower end of the upper section of the tubular post is turned a thread, as at E, and F is a rain-guard in the form of an inverted cup, which has an opening in its upper portion threaded to engage the thread of the post-section. The skirt of the guard extends outward and downward over the middle flange of the insulator-coupling C and somewhat below the level of the upper end of the lower section of the tubular post. This guard extends clear of the wood and lower pipe, being at no point nearer than about three-quarters of an inch. The guard having been screwed in position upon the upper section of the post, one end of the insulator-block is forced therein until the flange of the block engages the end of the tubular section. Then the lower section is forced upon the other end of the block until its end engages the lower face of the flange thereof.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

1. The insulator for tubular posts, consisting of the insulator-block having oppositely-turned ends and intermediate annular flange, and the cup-shaped rain-guard, substantially as specified.

2. The combination, with the tubular post-sections, of the insulator-block having turned ends formed into said sections and an annular flange separating the same, and the inverted-cup-shaped guard engaging the lower end of the upper section and extending below and clear of the flange and the end of the lower section, substantially as specified.

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

WILLIAM H. O'BEIRNE.

Witnesses:
WM. H. MOORE,
L. H. SCRUGGS.