

A. A. ZIEGLER.
 BINDING POST.
 APPLICATION FILED DEC. 29, 1909.

1,042,747.

Patented Oct. 29, 1912.

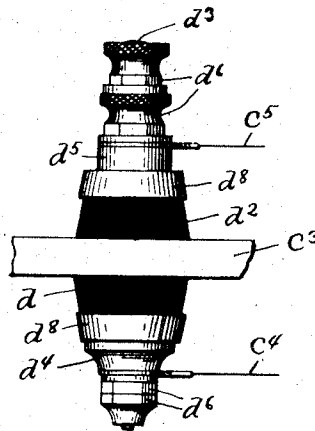


Fig. 1

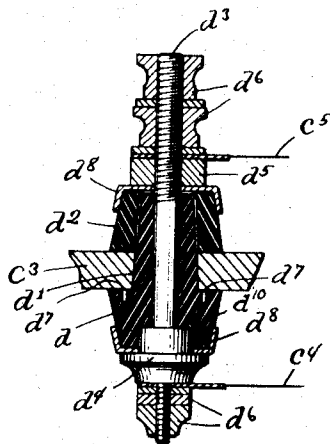


Fig. 2.

Witnesses:
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UNITED STATES PATENT OFFICE.

ALFRED A. ZIEGLER, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO UNITED ELECTRIC APPARATUS COMPANY, OF BOSTON, MASSACHUSETTS, A CORPORATION OF MASSACHUSETTS.

BINDING-POST.

1,042,747.

Specification of Letters Patent.

Patented Oct. 29, 1912.

Original application filed September 14, 1908, Serial No. 452,846. Divided and this application filed December 29, 1909. Serial No. 535,432.

To all whom it may concern:

Be it known that I, ALFRED A. ZIEGLER, of Boston, in the county of Suffolk and State of Massachusetts, have invented an Improvement in Binding-Posts, of which the following is a specification.

This application is a division of my application #452,846, filed September 14, 1908 and the invention relates to binding-posts, and has for its object to construct a binding-post essentially of insulating material, which when secured to its support is entirely insulated therefrom, and which is provided at both ends with means for attaching thereto or detaching therefrom the circuit-wires without disturbing the securing means for the post.

Figure 1 is a side elevation of a binding-post embodying this invention. Fig. 2 is a vertical section of the same.

d represents a shouldered post of insulating material adapted to be arranged beneath a support e , its reduced portion d' projecting up through a hole in said support for a short distance, and its shoulder engaging the under side of the support. On said reduced portion, above the support, a tubular post d^2 is placed, the center-hole in said tubular post being of a size to correspond to the size of the reduced portion d' of the post d . As here shown, the upper end of the tubular post is flush with the upper end of the shouldered post. Washers may be arranged between the posts and the support if desired. The post d has a center-hole through it from end to end. A long bolt d^3 extends through said center-hole, the opposite ends of which project beyond the opposite ends of the posts. A shouldered head d^4 is formed on the bolt, near one end, which engages the lower end of the post d , and the opposite end of the bolt is threaded and receives upon it a nut d^5 . By turning up said nut the parts are clamped together and held in fixed relative positions. The bolt d^3 has a threaded end portion projecting beyond the head d^4 , and on said threaded end portion, and also on the threaded portion at the opposite end of the bolt, wire-engaging nuts and check-nuts d^6 are arranged for circuit-wires c^4 and c^5 and for holding the wire-engaging nuts respectively in place. Suitable washers are or may be interposed between the several nuts.

It will be observed that the wire-engaging nuts may be turned to attach or detach the circuit-wires without removing or loosening the bolt d^3 , and hence the electric connections may be made without disturbing the post, so far as its fixed relation to its support is concerned.

For the purposes of holding the post d' from turning relative to its support, it is formed with a small socket at one side of its center-hole which receives a pin d^7 , projecting from the support; and, for the purpose of holding the bolt d^3 from turning, its head has a pin d^{10} which enters a hole in the end of the post at the side of the center-hole. Metallic caps or ferrules d^8 may be placed on the ends of the posts d and d^2 , if desired, which have center-holes for the bolt. In case said posts are made of some kinds of insulating material which is somewhat brittle, said caps or ferrules are quite necessary. The binding-post thus shown is constructed and arranged to extend through the support and to have attached to it at both ends the circuit-wires; and is insulated from its support, and the bolt, which serves as a conductor, passes through it. But my invention is not limited to the employment of all of the elements herein shown and described, or to their precise construction, as it is obvious that posts may be made embodying my invention wherein some of the aforesaid elements are omitted and the construction modified.

I claim:

1. A binding-post consisting of a shouldered post of insulating material having a center-hole through it, the reduced portion of which projects through a hole in its support, a tubular post of insulating material adapted to fit on the reduced portion of the shouldered post, a bolt extended through the shouldered post having means thereon for engaging both posts and holding them in clamping engagement with the support, and having screw-threaded portions at both ends projecting beyond the post-engaging means, and wire-engaging nuts arranged on both of said screw-threaded portions, whereby the post is entirely insulated from its support and the circuit-wires attached thereto without disturbing its securing means, and means to connect said bolt with the shouldered post, and means to connect said shouldered

post with the support whereby said post and bolt are held from turning, substantially as described.

2. A binding-post consisting of a post of
5 insulating material having a center-hole through it and a socket at one side of said center-hole, a bolt extended through said center-hole having a head provided with a pin adapted to enter the socket in the post

and wire-engaging nuts arranged on said 10 bolt, substantially as described.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses.

ALFRED A. ZIEGLER.

Witnesses:

B. J. NOYES,

H. B. DAVIS.