(No Model.)

W. R. PATTERSON.

BINDING POST.

No. 279,274. Patented June 12, 1883.

Fig. 1

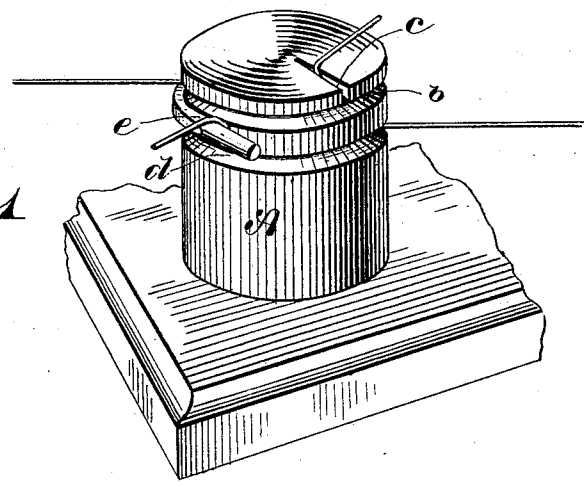


Fig. 2

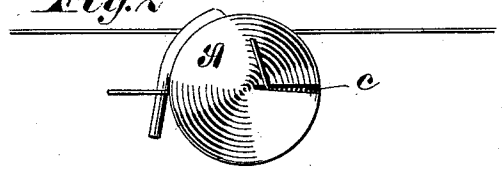


Fig. 3

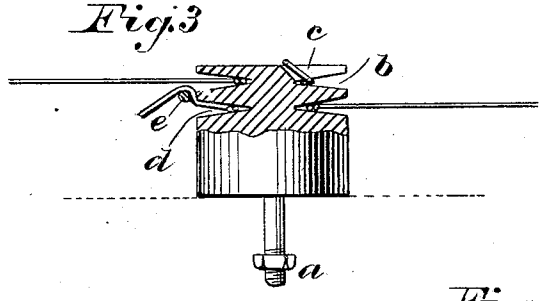


Fig. 4

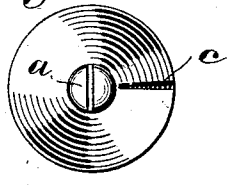


Fig. 5

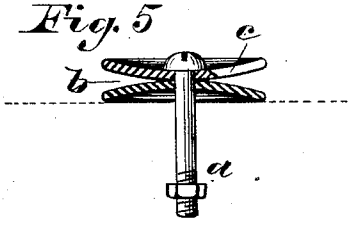
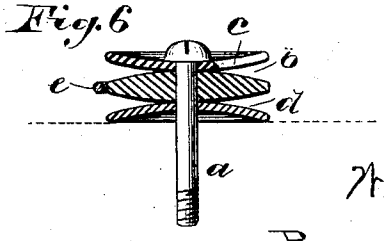


Fig. 6



Attest

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UNITED STATES PATENT OFFICE.

WILLIAM R. PATTERSON, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE WESTERN ELECTRIC COMPANY, OF SAME PLACE.

BINDING-POST.

SPECIFICATION forming part of Letters Patent No. 279,274, dated June 12, 1883.

Application filed February 20, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM R. PATTERSON, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Binding-Posts, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

By the use of the ordinary binding-post in general use for connecting wires it is almost impossible to secure a good electrical connection, when fine wire is used, on account of the liability of cutting off the wire in tightening the same in the post by the screw. By my invention herein described I have sought to provide a cheap connecting device especially adapted to connecting fine wire.

My invention consists in a wedge-shaped opening or groove around a metallic core, said groove or opening having metallic sides, and being adapted to receive a wire wrapped around said metallic core, in combination with means for holding the end of said wire.

In the accompanying drawings, Figure 1 is a perspective view of a device embodying my invention. Fig. 2 is a plan, and Fig. 3 a partial sectional elevation, of the same. Figs. 4, 5, and 6 are views of a modified form of my device.

In the said drawings, A represents a post, of brass or other suitable metal, provided at the bottom with a suitable screw, *a*, for securing it to the article on which it is to be used. The post A is provided near the top with a groove, *b*, of considerable depth, to receive the wire to be connected. A slot, *c*, cut in the top of the post A until it meets the wedge-shaped groove *b*, serves to hold the end of the said wire. The wire to be connected is wrapped several times around the post A in the groove *b*, and the free end thereof passed into the slot *c* and bent down, as shown, and is thus securely held. When it is desired to connect more than one wire, a second groove, *d*, is provided below the first. It is obvious that a slot as above described would be impracticable for securing the end of a wire wrapped in this groove. I therefore provide a cleat, *e*, which is fastened to the post A, between the grooves *b d*, and adapted to receive and hold the end of the wire in a similar manner to slot *c*. It will be seen that any number of wires may be thus connected to the same post, a groove and cleat having been provided for each additional wire.

In Figs. 4, 5, and 6 a modified form of my device is shown, which consists of two convex metallic washers held together by a screw, *a*, so as to form a wedge-shaped groove or opening, *b*, for the reception of the wire, the upper washer being provided with the slot *c* for holding the end of the said wire.

Provision may be made for connecting more than one wire by using a central piece placed between the washers, so as to form two grooves, *b* and *d*, as shown in Fig. 6, said central piece being provided with a cleat, *e*, for holding the end of the wire, as above set forth. After the wire is inserted in a slot, as above described, the end must be bent over, preferably as shown in Figs. 1 and 2, in order that the wire may be kept from being drawn back through the slot.

I claim as my invention—

1. A connecting device consisting of a metallic core provided with a wedge-shaped groove adapted to receive the wire wound around said metallic core, in combination with means for holding the end of said wire, substantially as specified.

2. A device for connecting wires, consisting of a metallic post provided with two wedge-shaped grooves, each of said grooves being adapted to receive a wire wound around said metallic post, in combination with a slot and cleat, substantially as shown and described.

In witness whereof I hereunto subscribe my name this 14th day of February, A. D. 1883.

WILLIAM R. PATTERSON.

Witnesses:

GEORGE P. BARTON,

PAUL A. STALEY.