No. 829,883. PATENTED AUG. 28, 1906.

C. MOODY.

BINDING POST.

APPLICATION FILED NOV. 6, 1905.

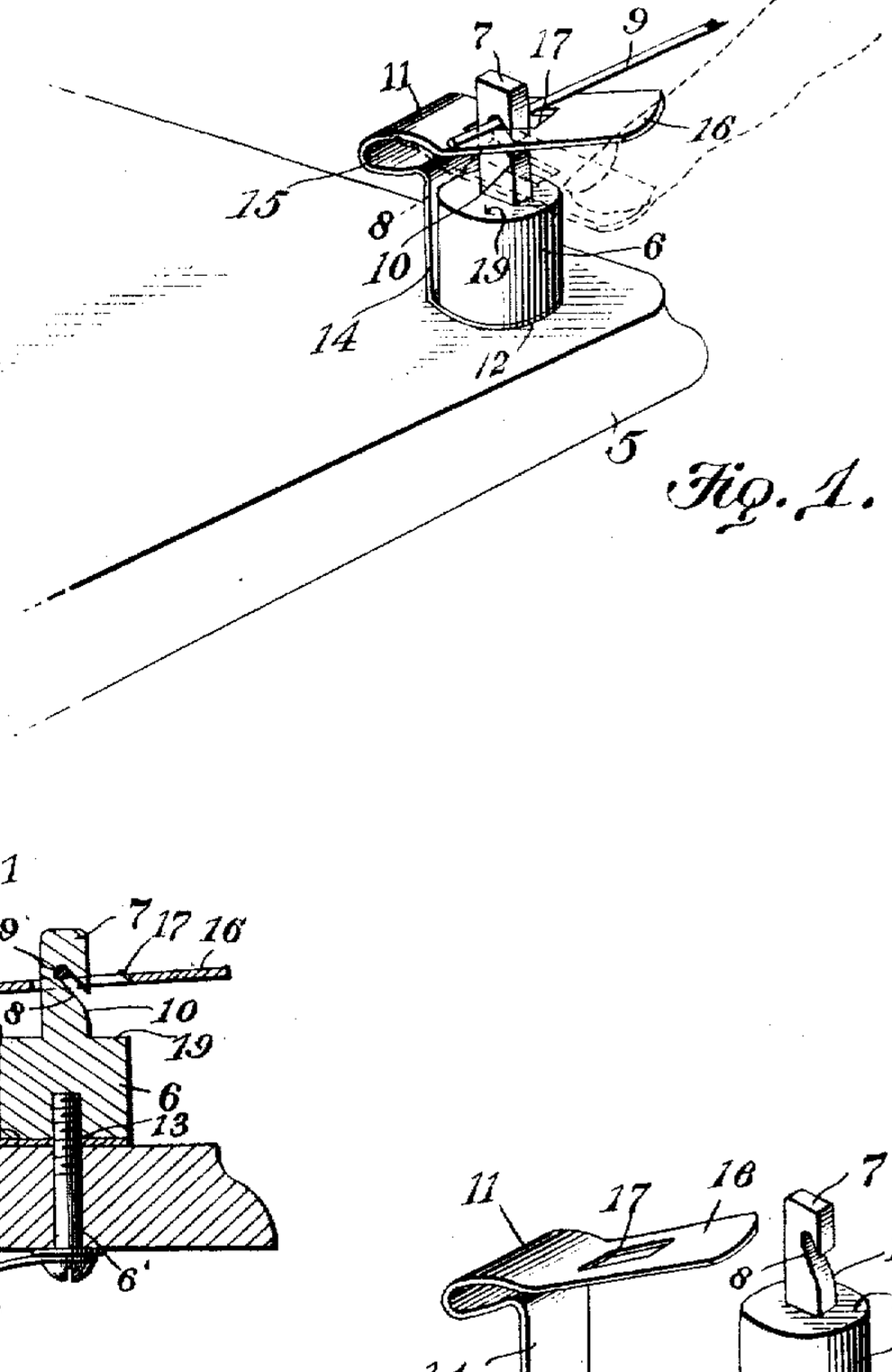
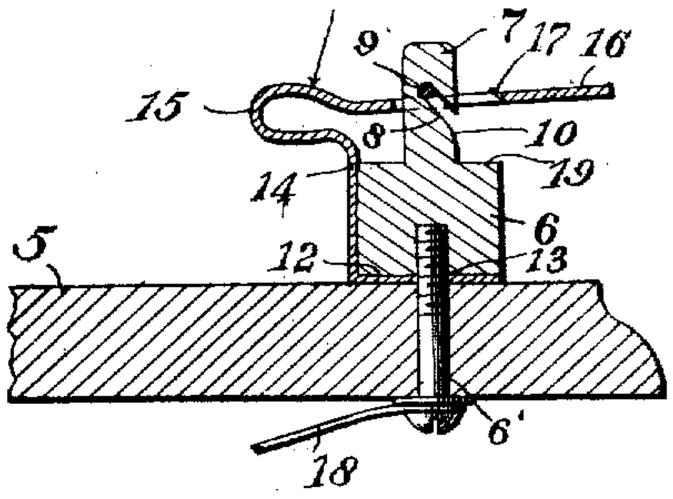


Fig. 1.

Fig. 2.



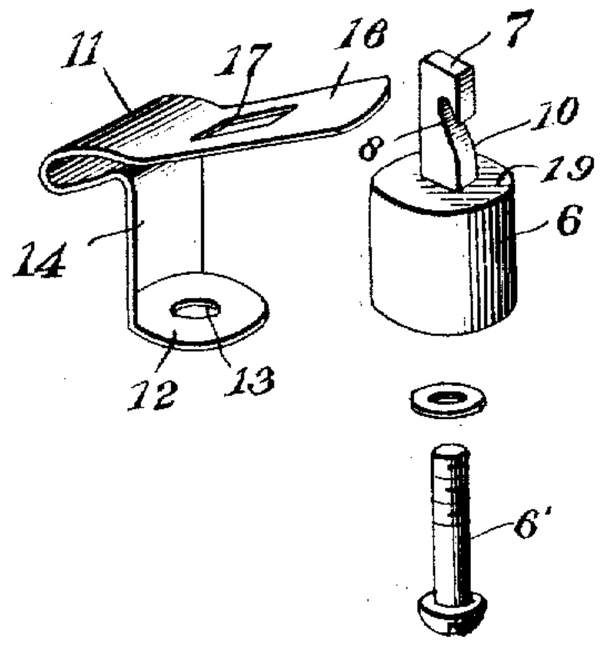


Fig. 3.

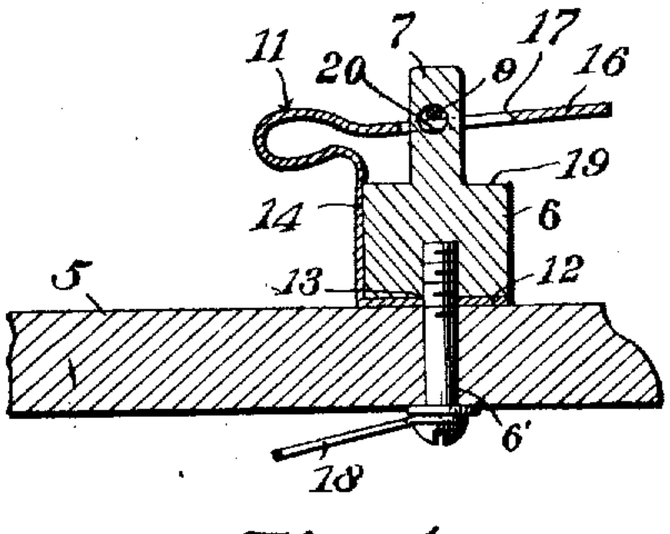


Fig. 4.

Witnesses
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UNITED STATES PATENT OFFICE.

CHESTER MOODY, OF ELLISVILLE, MISSISSIPPI.

BINDING-POST.

No. 829,882. Specification of Letters Patent. Patented Aug. 28, 1906

Application filed November 6, 1905. Serial No. 286,072.

To all whom it may concern.

Be it known that I, CHESTER MOODY, a citizen of the United States, residing at Ellisville, in the county of Jones and State of Mississippi, have invented a new and useful Binding-Post, of which the following is a specification.

This invention relates to binding-posts of that general class designed for use on telegraph instruments, telephones, electric bells, and other electrical devices, and has for its object to provide improved means for connecting the electrical apparatus to the terminals of an energized circuit.

A further object of the invention is to provide means for guiding the wire to its seat in the binding-post and yieldable means for preventing accidental displacement of said wire.

A further object is to provide a yieldable wire-clamping member locked in position by engagement with the binding-post.

With these and other objects in view the invention consists in the construction and novel combination and arrangement of parts herewith fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended, it being understood that various changes in form, proportion, and minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

In the accompanying drawings, forming a part of this specification, Figure 1 is a perspective view of a binding-post constructed in accordance with my invention. Fig. 2 is a longitudinal sectional view of the same. Fig. 3 is a detail perspective view of the several parts comprising the binding-post detached. Fig. 4 is a longitudinal sectional view of a modified form of the invention.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

The improved binding-post, which is designed for use in connection with electrical apparatus in general, is shown by illustration attached to the base or support 5 of a telegraph instrument. The device consists of a cylindrical body portion 6, the base of which is attached to the support 5 by means of a screw 6', while its free end is formed with a reduced extension 7. The extension 7 is preferably angular in cross-section, as shown, and formed in one of the angular faces of said extension is an upwardly and inwardly extending groove or recess 8, which constitutes a seat for the reception of the wire or conduction 9, the latter forming one terminal of an electrical circuit. (Not shown.) The wall of the extension at the mouth of the recess 8 is preferably curved, as indicated at 10, to permit the ready insertion of the wire 9, the latter being held to its seat by a yieldable clamping member, (indicated as a whole at 11.)

The clamping member 11 is preferably stamped from a single piece of sheet metal and consists of a flat relatively thin base 12, provided with a central opening 13, adapted to receive the screw 6' and having a vertical wall 14, slightly curved or concaved, as shown, to conform to the shape of the binding-post, the free end of the wall 14 being bent laterally to form a spring-loop 15, terminating in a finger-piece 16.

The finger-piece 16 is provided with an elongated slot or aperture 17, adapted to receive the reduced extension 7, and the end of the finger-piece preferably extends a sufficient distance beyond the vertical wall of the body portion 6 to permit the finger-piece to be conveniently depressed preparatory to inserting the wire 9 in the recess 8.

The base 12 of the clamping member is interposed between the support 5 and the cylindrical body portion 6, so that a single fastening device—namely, the screw 6'—serves to retain both members in position on the base 5. Attached to the screw 6' is wire or conduction 18, which connects the binding-post with the telegraph instrument or other electrical device.

Attention is here called to the fact that the upward pressure exerted by the clamping member on the wire 9 will cause the latter to bear against the walls of the recess 8, and thus insure a good electrical contact between said wire and the post, while by having the recess formed in one edge of the extension the wire may be readily placed in position without the necessity of threading the same through openings in the post, as is usual in this class of devices.

Attention is also called to the fact that the downward movement of the finger-piece is limited by engagement with the shoulder 19, formed by the reduced extension 7.

In operation the finger-piece is depressed until the latter engages the shoulder 19, after

which the wire is inserted in the recess and the finger-piece released, the latter yieldably holding the wire to its seat in the manner before stated.

In Fig. 4 of the drawings there is illustrated a modified form of the invention in which the reduced extension is formed with a transverse opening 20 for the reception of the wire.

Having thus described the invention, what is claimed is—

1. A binding-post provided with a wire-receiving seat, and a spring clamping member detachably secured to the post and adapted to engage the wire and having its free end extended to form a finger-piece.

2. A binding-post provided with a wire-receiving seat, and a spring clamping member adapted to engage the wire and having one end thereof extended to form a finger-piece, said clamping member being locked in position by engagement with the binding-post.

3. A binding-post provided with a reduced extension having an inclined wire-receiving seat opening through one wall thereof, and a spring clamping member adapted to engage the wire and provided with a recess for the reception of said extension.

4. A binding-post provided with a shoulder defining a reduced extension having a wire-receiving seat opening through one wall thereof and inclined toward the base of the post, and wire clamping member mounted for vertical movement on the extension and adapted to engage said shoulder.

5. A binding-post provided with a wire-receiving seat and a spring clamping member having one end thereof detachably secured to the post and its free end extended laterally for engagement with the wire.

6. A binding-post provided with a wire-receiving seat, and a spring clamping member having one end thereof detachably secured to the post and its opposite end adapted to engage the wire and extended laterally to form a finger-piece.

7. The combination with a base, of a binding-post secured thereto and provided with a wire-receiving seat, and a spring clamping member interposed between the binding-post and base and adapted to engage the wire.

8. The combination with a base, of a binding-post mounted thereon and provided with a wire-seat, a spring clamping member having one end thereof interposed between the base and binding-post and its free end adapted to engage the wire, and a single fastening device for securing the post and clamping member to the base.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

CHESTER MOODY.

Witnesses:
WALLACE ALSTON,
CLEVELAND BUSH.