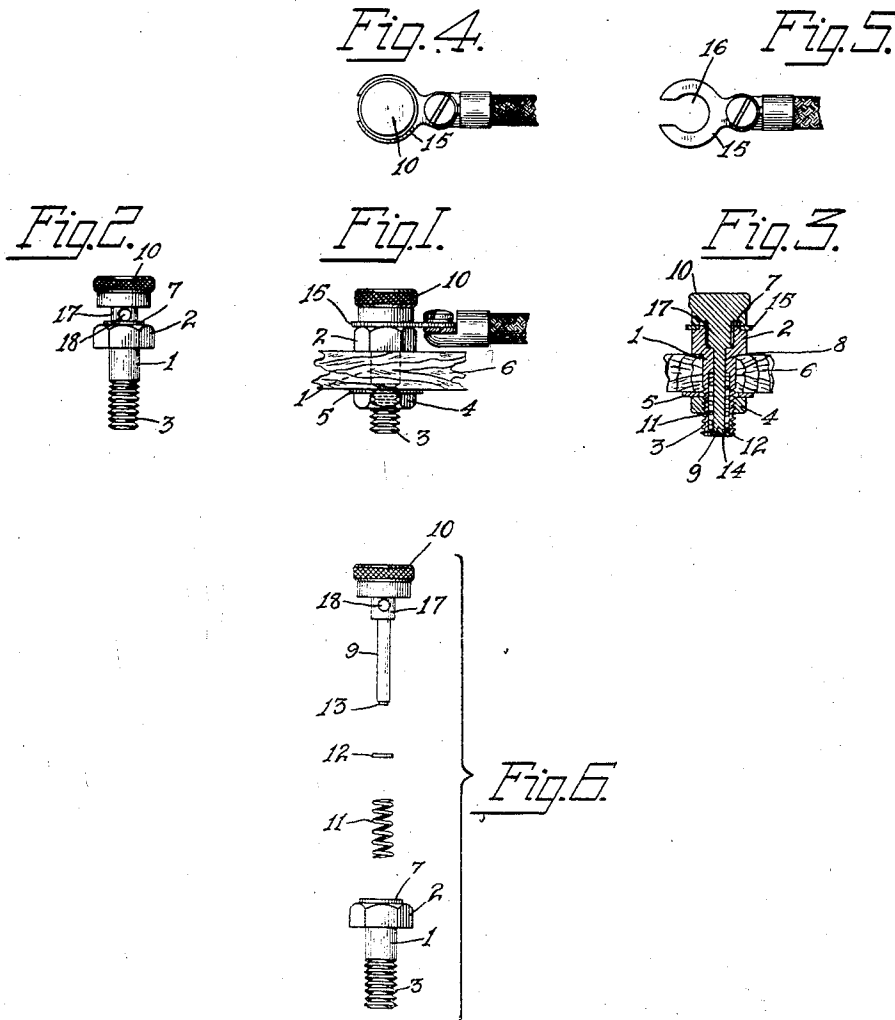


W. KAISLING.
 BINDING POST.
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1,219,003.

Patented Mar. 13, 1917.



Witnesses:
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UNITED STATES PATENT OFFICE.

WILLIAM KAISLING, OF CHICAGO, ILLINOIS, ASSIGNOR TO KELLOGG SWITCHBOARD & SUPPLY COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

BINDING-POST.

1,219,003.

Specification of Letters Patent. Patented Mar. 13, 1917.

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To all whom it may concern:

Be it known that I, WILLIAM KAISLING, a citizen of the United States of America, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Binding-Posts, of which the following is a specification.

My invention relates to binding posts and has for its object the provision of an improved spring binding post to which a connection may be readily and satisfactorily made. My binding post furthermore is of a self-contained type, very small and condensed so that it takes little if any more room than an ordinary binding post, not spring actuated.

In one form of my invention in order to have as small a protruding portion of the binding post above its mounting plate as possible, I arrange the resilient means which control the movable member preferably directly within the extension provided upon this binding post for mounting purposes. Under these conditions nothing protrudes above the mounting plate but the holding nut and the spring controlled finger piece.

I will describe this form of carrying out my invention more in detail by referring to the accompanying drawing, in which—

Figure 1 is a side view of my improved binding post mounted in place;

Fig. 2 is a similar view showing the finger piece in its alternative position, the binding post however being unmounted;

Fig. 3 is a longitudinal sectional view of the device as shown in Fig. 1;

Fig. 4 is a top view of the device in its unmounted form showing a connector attached thereto;

Fig. 5 is a top view of the connector, and

Fig. 6 is a disassembled view showing the parts which constitute the device.

My improved binding post consists of the hollow body portion 1 enlarged at its upper extremity to form a nut-shaped shoulder 2 and having at its lower extremity an extending hollow screw threaded portion 3 adapted through the agency of the nut 4 and washer 5 to be suitably held in place upon a mounting plate 6. The nut shaped portion 2 is provided with a small annular extension 7 smaller in diameter than the nut as shown more clearly in Figs. 2, 3 and 6. The element 1 is hollow as shown

more clearly in Fig. 3, having a restricted portion at 8. This restricted portion is adapted to form the bearing for a stud 9 forming part of a finger piece 10. This fingerpiece together with its stud are adapted to be held within the element 1 through the agency of a spring 11. This spring is first inserted within the recess within the screw threaded portion of the element 1 and abuts the shoulder provided by the restricted portion thereof. Thereafter the fingerpiece 10 with its stud 9 are inserted and a washer 12 placed over a projecting portion 13 of this stud 9. The projecting portion 13 is then pushed outwardly as at 14 as shown more clearly in Fig. 3, thereby holding the stem in position within the element 1, the spring 11 holding the parts together in position as shown in Figs. 1 and 3. The washer 12 is of such a size that it may slide up and down within the hollow cylindrical portion of the extension 3.

Now whenever it is decided to make a connection with this binding post I prefer to use a connector 15 as shown more clearly in Fig. 5. This connector is then mounted in place as shown in Figs. 1 and 3 after the finger piece 10 has been raised against the pressure of the spring 11. The finger-piece 10 is then released and the force of the spring pulls this element 10 into close contact with the upper surface of the connector 15 to press it tightly against the nut portion 2, thus holding the connector in place. The cylindrical extension 7 is of a diameter substantially equal to the diameter of the opening 16 within the element 15 so that after the parts are mounted in position as shown in Fig. 1, this cylindrical extension 7 prevents withdrawal of the connector 15 unless the finger piece 10 should be elevated against the pressure of the spring 11. The connector is thus locked in position. A cylindrical portion 17 of somewhat larger diameter than the stud 9 also forms part of the movable element of the device and is provided with a transverse hole 18 which may be used in case it is desired to effect connection with a wire instead of a connector as illustrated.

I have thus set forth specifically a form which my invention may take, but it will be readily apparent that my invention is capable of being variously modified without departing from its spirit. Having however

thus described one form which my invention may take, what I claim as new and desire to secure by Letters Patent is:

5 A spring binding post comprising a main body portion and a clamping element, a terminal having a slotted end connected to an enlarged central circular orifice for connection to said binding post, the said body portion of the binding post having a threaded shank adapted to receive a nut for securely clamping the binding post, said body portion also having a central circular orifice with an enlarged counterbore at each end thereof, a shank for said clamping element extending through the said central orifice of the body, an actuating spring encircling the shank within the lower enlarged counterbore of the body portion, a central upwardly extending annular rib upon the top face of the enlarged upper portion of the body adapted to receive the enlarged

central orifice of the terminal clip, an enlarged head for the clamping element having a downwardly extending circular outer rib adapted to press against the terminal clip to yieldingly hold it through the medium of said actuating spring upon the central circular rib, and an inner upwardly extending circular recess for said clamping element adapted to receive the said central upwardly extending circular rib of the body portion thereby permitting terminals of different thickness to be securely clamped between the said clamping element and body portion.

Signed by me at Chicago, county of Cook, and State of Illinois, in the presence of two witnesses.

WILLIAM KAISLING.

Witnesses:

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