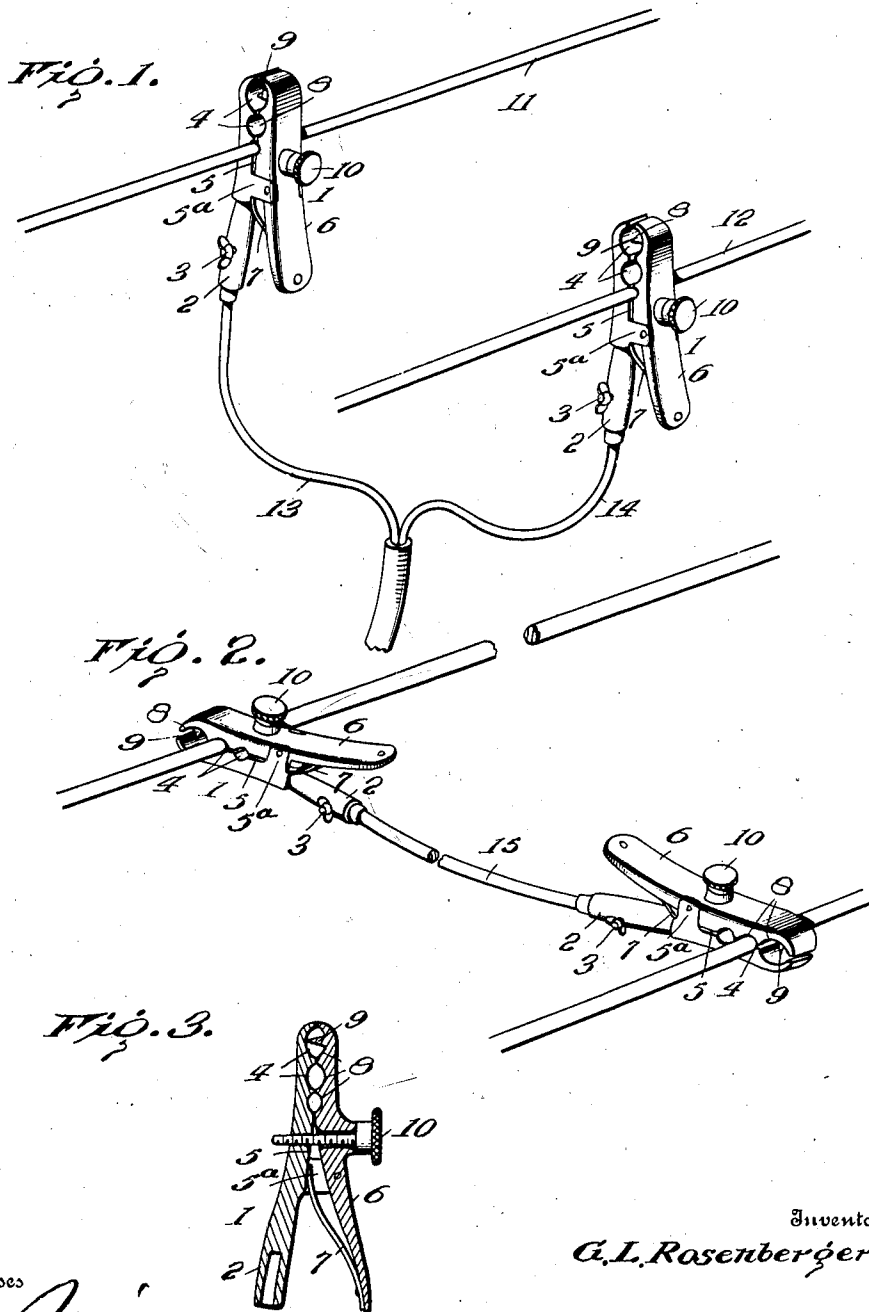


No. 830,675.

PATENTED SEPT. 11, 1906.

G. L. ROSENBERGER.
ATTACHMENT FOR TELEPHONE TEST SETS.

APPLICATION FILED SEPT. 12, 1905.



Inventor

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Witnesses

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GEORGE L. ROSENBERGER, OF MANASSAS, VIRGINIA.

ATTACHMENT FOR TELEPHONE TEST SETS.

No. 830,675.

Specification of Letters Patent.

Patented Sept. 11, 1906.

Application filed September 12, 1905. Serial No. 278,153.

To all whom it may concern:

Be it known that I, GEORGE L. ROSENBERGER, a citizen of the United States, residing at Manassas, in the county of Prince William and State of Virginia, have invented certain new and useful Improvements in Attachments for Telephone Test Sets, of which the following is a specification.

My invention contemplates improvements in attachments for telephone and other testing sets, and is in the nature of an improved construction of clamp by which the circuit-wires of the testing set may be quickly and conveniently attached to or detached from the line-wires or other wires to be tested and each one secured to said wires will be held firmly thereto without danger of accidental displacement.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and accompanying drawings, in which—

Figure 1 is a perspective view illustrating my invention in one of its applications. Fig. 2 is a similar view illustrating another application thereof. Fig. 3 is a sectional view of one of the clamps embodying the features of the invention.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

My improved clamp comprises a wire-carrying member 1, which is provided at one end with a longitudinal sleeve or socket 2, designed to receive a wire and provided with a set-screw 3 for binding the wire therein. Said member 1 is also provided at its opposite end with any desired number of transversely-extending grooves or recesses 4, preferably of different diameters or cross-sectional areas, and at its middle portion said member is provided with a middle flat surface 5 and with two ears 5^a, extending outwardly therefrom on each side of said surface and designed to receive between them a pivot-stud, on which the coacting clamp member 6 is mounted. The clamp member 6 is, as described, pivoted to the other member 1 and has at its rear end a leaf-spring 7, the free end of which bears upon the flat surface 5 of the attaching member 1 in such a manner as to tend to hold the rear ends of the two members apart and the forward ends

of said members together. The forward end of the member 6 is provided with recesses 8, corresponding to the recesses 4, and it is also provided with a spur 9, projecting from the walls of one of said recesses. In order to bind the members together, there is provided a screw 10, mounted in one of said members and having a screw-thread connection with the other member, as best seen in Fig. 3.

For the application of the device—as, for instance, that shown in Fig. 1—it is to be assumed that the two line-wires 11 and 12 are to be tested and that the wires 13 and 14 of the testing apparatus are each secured or fastened to one of the clamps or clips. This being the case, the inspector may readily spring the clips over the line-wires and into the recesses thereof that are of the proper diameter therefor, and then by releasing the rear ends of the clamp members the spring will cause said members to come together as jaws to bind on the wires. By tightening the screws 10 all danger of accidental displacement is avoided. It is to be understood that the different-sized recesses are to accommodate different diameters of wires. The spur 9 is intended to pierce a wire that may be insulated. In the application illustrated in Fig. 2 the device is intended to bridge the line-wires or similar wires, one of which has been broken, and in this instance, as will be readily understood, the pair of clamps is connected together by the wire 15.

While I have illustrated only two applications of my device, it is manifest that it is applicable under many different circumstances and conditions and that it forms a ready and secure device for the purpose described.

Having thus described the invention, what is claimed as new is—

1. A device for the purpose described, comprising two members pivotally connected intermediate their ends and provided forward of their pivot with registering pairs of recesses of different sizes, one of said members being provided at the rear of the pivot with an end socket and a set-screw coacting therewith, a spring normally tending to move said members so as to close their forward ends, and a binding-screw working in one of said members forward of the pivot and having a screw-threaded connection with the other member.

2. A device for the purpose described, comprising two members pivotally connect-

ed together intermediate their ends and provided forward of the pivot with registering pairs of recesses of different sizes, one of said members being provided at its extreme outward end with a spur in its outermost recess, whereby wires of different sizes may be accommodated in the registering recesses, and whereby also the said spur may pierce the insulation of wires or a wire may be inserted at will in those recesses that are devoid of spurs, one of said members being provided at its rear end with a socket and a set-screw co-

acting therewith and the other member being provided at its rear end with a spring secured thereto and bearing against the complementary member, and a binding-screw working in one of said members and having a screw-threaded connection with the other. 15

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

GEORGE L. ROSENBERGER. [L. s.]

Witnesses:

G. W. MERCHANT,
F. C. RORABAUGH.