

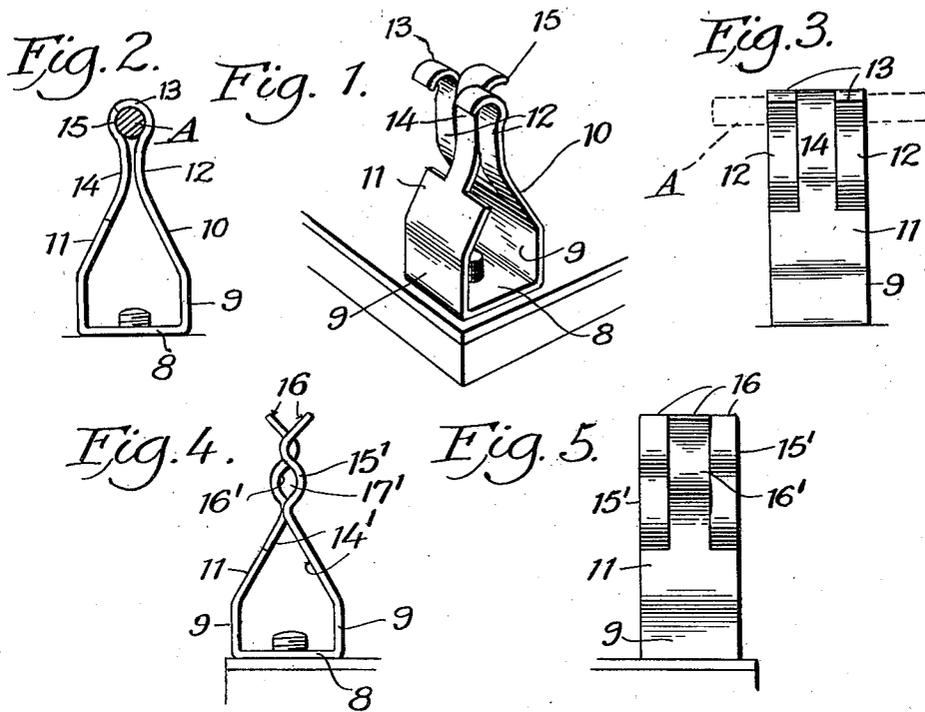
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A. P. FAHNESTOCK

SPRING BINDING POST

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Inventor

Archie P. Fahnestock,

By

Attorney

UNITED STATES PATENT OFFICE.

ARCHIE P. FAHNESTOCK, OF LONG ISLAND CITY, NEW YORK.

SPRING BINDING POST.

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The present invention relates to binding posts or fastening devices for the terminals of electrical conductors and consists in the combinations and arrangements of elements hereinafter described and particularly set forth in the accompanying claim.

The invention has for its purpose to provide a device of this character wherein the conductor terminal may be readily applied to or removed from the clip through the instrument of the terminal piece alone; i. e., without necessitating the use of the hands or any implement for manipulating the clip as a requisite to applying the terminal piece thereto or for removing the same.

A further purpose resides in providing a terminal clip having these automatic features which will securely hold the conductor in firmly gripped or clamped position, readily permitting the insertion and removal of the conductor and insuring proper electrical contact at all times between the conductor and the fastening device.

The invention is further characterized in that the clip is especially adapted for that type of work wherein a large number of clips are mounted on a terminal block in close proximity to the end that the respective conductors may be applied to position or removed at will, and thereby avoiding the necessity for using both hands, or the implements usually employed for separating the respective clip members to receive the terminal pieces as now required.

The invention is shown by way of illustration in the accompanying drawings wherein—

Figure 1 is a perspective view of the preferred form of clip;

Figure 2 is an edge-wise elevational view thereof showing the terminal piece applied;

Figure 3 a side elevational view;

Figure 4, and edge-wise view of a modified construction of clip; and

Figure 5 a side elevational view of the clip shown in Figure 4.

Referring to the construction in further detail and wherein like reference characters designate corresponding parts in the different views shown, 8 designates the base portion of the clip, and 9 the resilient and parallel side members thereof having respectively the angular portions 10 and 11 as shown. The portion 10 is medially cut-away to provide a bifurcated member, the parts 12

thereof being bent at their terminals to provide the hook elements 13 which receive the terminal member A, as shown in Figures 2 and 3.

The portion 11 is cut-away along both side edges to provide the tongue portion 14 which is in like manner formed with a hook member 15 complementary to those formed on the parts 12 and for the same purpose. The portions 12 and 13 cooperate to receive the terminal piece A merely by forcing said terminal piece lateral-wise against the respective angular portions 14. It will be understood that when the terminal piece thus is pressed against said angular portions 14 of the clip, said clip member will be wedged apart or separated to receive the terminal piece which is then fitted into the recess provided by the similarly and oppositely bent portions 13 and 15 as shown.

The form of clip shown in Figs. 4 and 5 has the side portions 14' thereof bent angularly or in a manner similar to the parts 10 and 11 of the clip shown in Figs. 1 to 3, and for the same purpose, to wit, to receive the terminal piece A by forcing the said terminal piece lateralwise against the respective angular portions 14'. One of the clip side members is medially cut away to provide the side portions 15' having the function of the members 12, and in like manner the other side member is cut away along both of the side edges to provide a tongue 16' corresponding with the tongue member 14 of Fig. 1. Both portions 15' and 16' are formed sinuous as shown, to provide the recess 17' to receive and secure the terminal member A and the end portions 16 of both members 15' and 16' are bent outwardly to the end of forming elements having the function of angular portions 14'; i. e. for wedging apart the resilient clip members by lateralwise pressure of the terminal piece A for insertion within the recess 17'. Generally stated the construction of the clip shown in Figs. 4 and 5 is the same as that shown in Figs. 1 to 3, differing only that in the former instance provision is made for receiving the terminal piece A from the top or bottom of the clip, while in the form shown in Figs. 1 to 3, the terminal piece can be applied to the clip from the under side only. It is to be understood that I do not desire to limit myself to the precise details of construction and arrangement herein set

forth, as it is obvious that various modifications may be made therein without departing from the essential features of the invention.

5 Having thus described my invention, what I claim as new is—

10 A fastening device for electrical conductors comprising a body portion having spaced complementary ends bent upwardly and normally overlapping and provided with diverging surfaces adapted to cause

spreading of said ends by insertion of the conductor lateral wise, said complementary ends being formed with curved opposing hook portions adapted to grip the conductor and secure the same between them, said hook portions forming retaining abutments for the conductor, substantially as set forth.

In testimony whereof I affix my signature.

ARCHIE P. FAHNESTOCK.