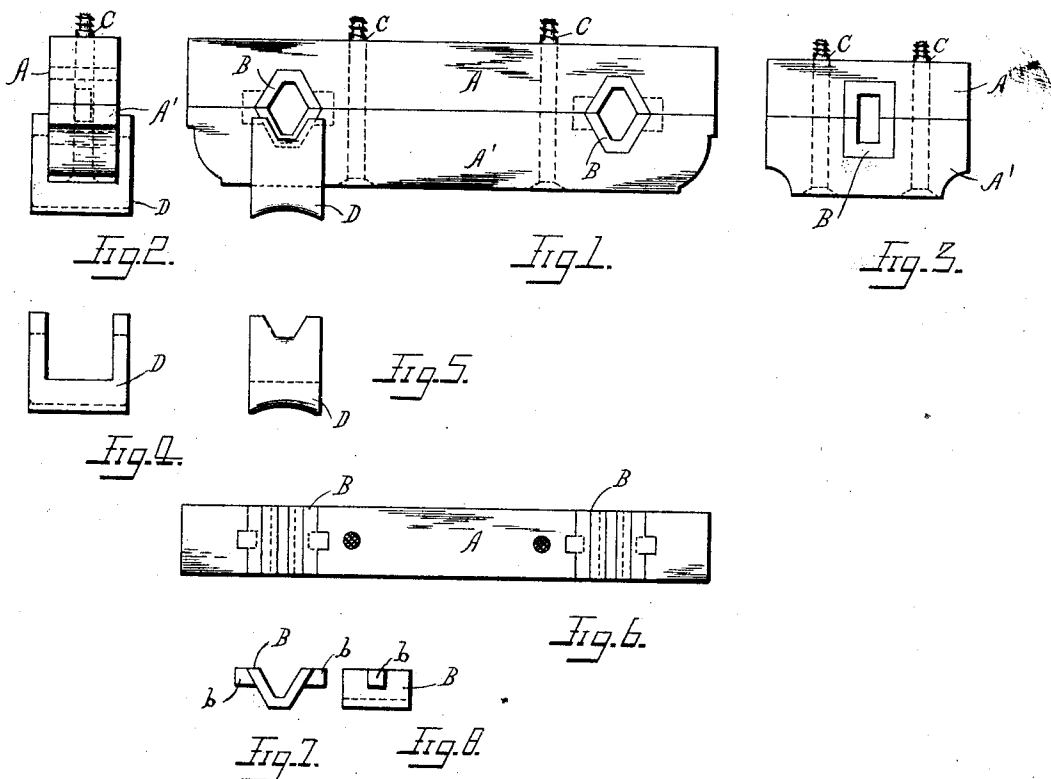


(No Model.)

J. PAWOLOWSKI.
CLEAT FOR ELECTRIC WIRES.

No. 503,384

Patented Aug. 15, 1893.



Witnesses.
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CLEAT FOR ELECTRIC WIRES.

SPECIFICATION forming part of Letters Patent No. 503,384, dated August 15, 1893.

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To all whom it may concern:

Be it known that I, JACOB PAWOLOWSKI, a citizen of the United States, and a resident of Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Cleats for Electric Wires, of which the following is a specification.

My invention is an improved cleat for holding electric wires in place in buildings.

Its object is to provide an insulating cleat which may be quickly applied, will greatly facilitate the stringing of the wires and is not liable to breakage, either in applying it or by jarring of the building, or rough handling of the wires.

Its object is also to provide a convenient means to anchor the wires at certain points in their length, to prevent them from sagging and coming in contact with any neighboring conductor or conducting material.

These objects I attain by the means illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of a double cleat embodying my invention. Fig. 2 is an end elevation of the same. Fig. 3 is a side elevation of a single cleat. Fig. 4 is an edge and Fig. 5 a side elevation of one of my anchor clips. Fig. 6 is a plan view of one half of the clip shown in Fig. 1, the half being taken on the meeting edge of the clip. Fig. 7 is an edge and Fig. 8 an end elevation of the insulating bushing.

Referring to the parts, which are indicated by similar reference letters wherever they occur throughout the various views, A represents the base and A' the cap of what I term the clamping pieces of the cleat. These are preferably made of hard wood or similar material, and the double cleats shown in Figs. 1 and 6 are recessed upon their meeting faces to receive the insulated bushings B. These bushings are made of some high grade non-conducting material, preferably vitrified porcelain; and they are also preferably made with wings or exterior projections b, which, when in place, (as shown in Figs. 1 to 3 inclusive,) prevent lateral motion. These wings,

however, are not essential, as the parts are clamped firmly together by the fastening screws C which, in addition to holding the clamping jaws together, secure the cleat to the ceiling, wall, or other portion of the building to which they may be applied. The recesses in the cleats are, of course, counter to the exterior contour of the bushings.

I have shown in Fig. 3 a single clamping cleat and the bushing in this is of a different shape from that shown in Figs. 1 and 6, but the shape of the bushing is immaterial. The form, however, shown in Figs. 1, 6, 7 and 8 is more convenient to mold than the square form.

In stringing wires it is frequently necessary to anchor them at different points of their length to prevent them from sagging and also for convenience in stringing them. For this purpose I provide an insulated cleat D, shown clearly in Figs. 1, 2, 4 and 5. This consists of a "U" shaped piece of high grade non-conducting material, such as porcelain. The pieces are made "U" shaped in cross section to fit over the cap piece A', and when it is desired to anchor the wire to any particular point, one or these is placed over said cap piece in line with one of the insulated openings. The wire is then passed through the opening and wound around the cleat D one or more times and then passed on to the next clamping cleat.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination in an insulating cleat of the clamping strips recessed to receive insulating bushings and perforated to receive securing screws, and the insulating bushings clamped in position by said strips, substantially as shown and described.

2. The combination of the clamping strips A and A', each recessed to receive one half of the insulating bushing B, and perforated to receive fastening screws, and the two part insulating bushings secured between said clamps, substantially as set forth.

3. The insulating bushings B, having projections b, the clamps having recesses counter to the exterior contour of said bushings,

and the screws to secure the clamp pieces together and to their supports, combined and arranged substantially as shown and described.

- 5 4. The combination with the wiring cleat, of the character described, of the insulating anchor cleat D, adapted to fit over the cap

piece of said cleat, substantially as and for the purposes set forth.

JACOB PAWOLOWSKI.

Witnesses:

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