

(No Model.)

A. W. FULLER.
ELECTRIC WIRE CLEAT OR HOLDER.

No. 513,564.

Patented Jan. 30, 1894.

Fig. 1.

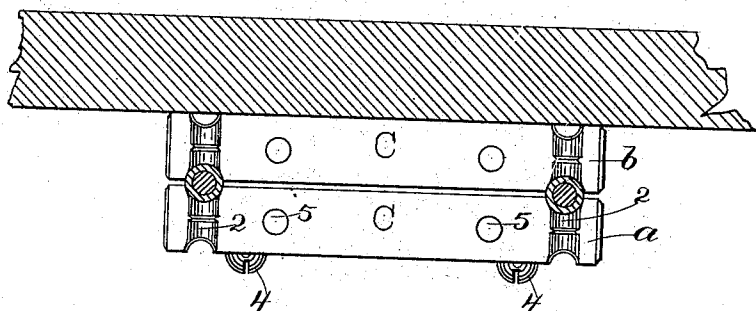


Fig. 2.

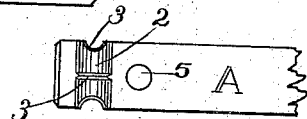


Fig. 3.

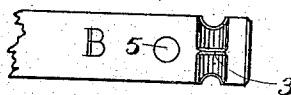


Fig. 4.

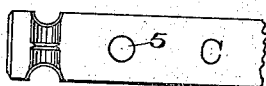


Fig. 5.

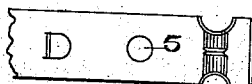
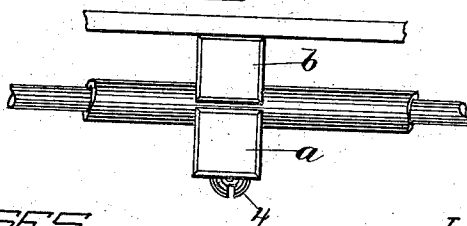


Fig. 6.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ALBERT W. FULLER, OF SAUGUS, MASSACHUSETTS.

ELECTRIC-WIRE CLEAT OR HOLDER.

SPECIFICATION forming part of Letters Patent No. 513,564, dated January 30, 1894.

Application filed March 13, 1893. Serial No. 465,682. (No model.)

To all whom it may concern:

Be it known that I, ALBERT W. FULLER, of Saugus, county of Essex, State of Massachusetts, have invented an Improvement in Electric-Wire Cleats or Holders, of which the following description, in connection with the accompanying drawings, is a specification, like letters and figures on the drawings representing like parts.

Cleats for securing electric wires have usually consisted of porcelain blocks having two parallel grooves formed upon one of the sides or faces thereof which receive the wires, and hold them a certain distance apart. The grooves in said blocks have been made of different widths or sizes to accommodate wires of different sizes or gages, but in practice in wiring buildings usually several different sizes or gages of wires are employed, and as a result the mechanic must carry a full line of cleats having grooves of different widths.

This invention has for its object to improve the construction of such cleats whereby a single cleat may be adapted for all ordinary sizes or gages of wires commonly employed, thereby making a universal cleat.

In carrying out this invention each cleat is formed with several sides or faces, four being herein shown, each side or face having two parallel grooves of a different width or size so that by turning the cleat the proper width or size of groove may be presented for use. In order that the wires may be supported at the proper distance from the ceiling or wall, as required in many cities, two like cleats will be employed, and the wires supported between them, and said cleats will be provided with suitable holes for screws or their equivalents employed for securing the said cleats to the ceiling or wall. These holes may be utilized as additional supports for wires if desired as will be described.

Figure 1, shows in side elevation a pair of cleats embodying this invention secured to a ceiling, and holding a pair of wires; Figs. 2 to 5 inclusive, side elevations of one end of one of the cleats showing grooves of four different widths, and Fig. 6, an end view of the parts shown in Fig. 1.

The cleats *a*, *b*, are made alike or substan-

tially so, and consist of blocks of porcelain or equivalent material, of a length sufficient to correspond with the distance apart which it is desired to arrange the wires. The block *a* is herein shown as made quadrangular, and thereby having four sides or faces, yet so far as my invention is concerned any other suitable number may be employed. Each side or face of said block, or so many of the sides or faces thereof as may be desired, have formed upon them two parallel grooves as 2, 2, of similar width or size, the grooves however upon the different sides or faces varying in width or size to receive the different gages or sizes of wire.

By referring to Figs. 2 to 5, inclusive, it will be seen that the four sides or faces of the block are separately represented and the grooves 2, varying in width or size, that groove in Fig. 2, being widest, and in Fig. 5, being narrowest. Also as herein shown each groove is provided with a narrow projection 3, which impinges the wire to better hold it in place.

In many instances but a single cleat or block will be used which will be secured to the ceiling or wall by screws 4, or otherwise.

The cleat or block is formed with holes through it for said screws, and also with holes through it at right angles to the aforesaid holes, in order that the cleat may be secured with any one of its sides or faces bearing against the wire.

In instances where two cleats are employed, as represented in Fig. 1, clamping and holding the wire between them, and away from the ceiling or wall, they may both be turned at will to bring corresponding grooves into position for use, and to facilitate such action I have provided each side or face upon which grooves are formed with a suitable indication, such for instance as letters A, B, C, &c.

When using two cleats the screws will pass through both and into the ceiling or wall. The holes 5, through said blocks, which are provided for the screws 4, may be used for other wires.

I do not herein broadly claim a cleat consisting of two blocks, each having a wire receiving groove with a wire impinging projection therein, said grooves registering to re-

ceive and hold the wire, as this feature forms the subject matter of another application, Serial No. 495,970, filed January 6, 1894.

I claim—

- 5 1. A cleat for electric wires consisting of a many-sided block having two parallel grooves formed upon two or more of its sides, substantially as described.
2. A cleat for electric wires consisting of a
10 many-sided block having two parallel grooves formed upon two or more of its sides, and of different sizes, and the holes 5, through said block, substantially as described.
3. A cleat for electric wires consisting of a
15 many-sided block having two parallel grooves formed upon two or more of its sides, and projections 3, in said grooves, substantially as described.

4. A cleat for electric wires consisting of a quadrangular block having two parallel 20 grooves formed upon each of its sides of a different size, and holes 5, passing through said block at right angles with relation to each other as shown, substantially as described.

5. An electric wire support consisting of 25 two cleats each composed of a block having two parallel grooves formed upon two or more of its sides or faces, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of 30 two subscribing witnesses.

ALBERT W. FULLER.

Witnesses:

BERNICE J. NOYES,
CHARLES B. CROCKER.