N. HENDRICKS.

Telegraph Insulators.

No. 135,334. Patented Jan. 28, 1873.

Fig. 1

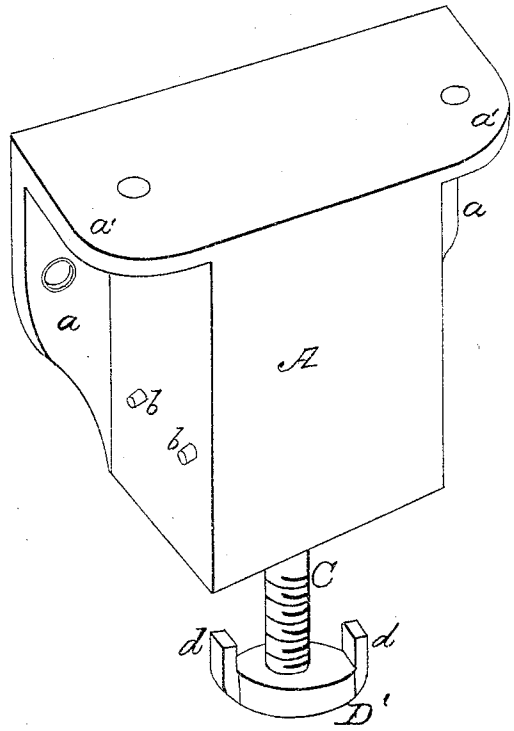
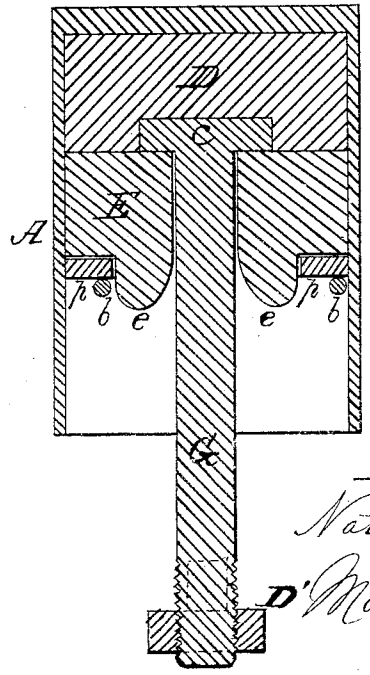


Fig. 2



Witnesses.
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J. A. Campbell

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UNITED STATES PATENT OFFICE.

NATHAN HENDRICKS, OF JERSEY CITY, NEW JERSEY.

IMPROVEMENT IN TELEGRAPH-INSULATORS.

Specification forming part of Letters Patent No. **135,334**, dated January 28, 1873.

To all whom it may concern:

Be it known that I, NATHAN HENDRICKS, of Jersey City, county of Hudson and State of New Jersey, have invented a new and Improved Telegraph-Insulator; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing making part of this specification, in which—

Figure 1 is a perspective view of the insulator. Fig. 2 is a vertical section through the same.

Similar letters of reference indicate corresponding parts in the two figures.

The object of this invention is to improve insulators for telegraph-wires by inserting the head of the bar to which the wire is attached between two blocks of glass, which are confined by means of a base-plate and removable supporting-pins within a flanged box of suitable shape, as will be hereinafter explained.

The following description of my invention will enable others skilled in the art to understand it.

In the accompanying drawing, A represents the box of the insulator, which may be made of any suitable size and shape, and which is constructed with wings or flanges *a a'*. These wings or flanges are perforated for receiving through them the screws which fasten the box to a telegraph-pole, or to arms secured thereto. The top and sides of this box are closed, but the bottom is open, and receives into it two blocks, D E, of glass, a metallic base-plate, *p*, and a suspension bolt or bar, G. The suspension-bar G is constructed with a head, *c*, which is fitted snugly into a recess formed into the block C and held in place therein by means of the supporting-block E, base-plate *p*, and bars or pins *b b*. The block E is centrally perforated, and constructed with a curtain or annular flange, *e*, on its bottom side, and through this perforation passes the stem of the bar G, which stem may be screw-threaded for receiving a nut, D', on which studs *d d* are formed.

When the two blocks D and E and the bar G are adjusted in their places inside of the box A, the centrally-perforated base-plate *p* is adjusted in its place, and the whole are confined by means of the pins *b b*, which are driven through the box beneath the base-plate.

It will be seen that the head of the suspension bolt or bar G, to which the telegraph-wire is attached, is securely confined between two blocks of glass, which insulate the bolt from the box A. These blocks can be readily and cheaply made in molds adapted for that purpose, and they can be readily introduced and secured in their places.

Should the lower block break from any cause, the suspension-bar G, with the wire attached, will drop down, and at once indicate the condition of the insulator, which can be readily repaired on the spot by introducing another block, E, in the place of the broken one.

While I prefer to construct the blocks D and E of glass, I do not confine myself to this substance, as they may be made of other suitable insulating substance.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The blocks D and E, constructed as described, and having confined between them, in a flanged box, A, the head of a suspension-bar, G, substantially as and for the purposes set forth.

NATHAN HENDRICKS.

Witnesses:

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