

(No Model.)

H. C. WIRT.
INSULATOR.

No. 477,980.

Patented June 28, 1892.

FIG. 1.

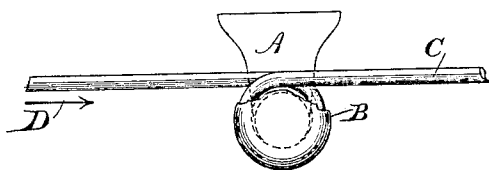
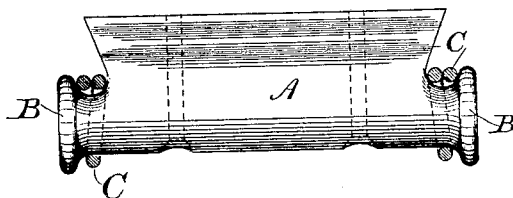


FIG. 2.

ATTEST

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INVENTOR

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UNITED STATES PATENT OFFICE.

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INSULATOR.

SPECIFICATION forming part of Letters Patent No. 477,980, dated June 28, 1892.

Application filed February 21, 1890. Serial No. 341,357. (No model.)

To all whom it may concern:

Be it known that I, HERBERT C. WIRT, residing at Boston, county of Suffolk, State of Massachusetts, have invented certain new and useful Improvements in Insulators, of which the following is a specification.

My invention relates to devices which are especially adapted for use on the interior of buildings where it is desired to run line-wires along the walls and ceilings. This has heretofore been accomplished by first bringing the wires along the wall and then fastening them with a cleat with two or more grooves corresponding to the wires and fastening the cleat to the wall. This process is somewhat slow and difficult to carry out.

My invention consists in making an insulator corresponding to the cleat above described, but so shaped that it may be attached to the wall along the line of the wires before the latter are put in place. After the insulators are in position the wires are rapidly attached by means of two oppositely-placed knobs with contracted necks on the insulator, around which the wire is wound. A single turn of the wire is all that is necessary to hold it in place, and it may be turned in either direction so as to bring the wires nearer to or farther from the wall, as may be desired.

Referring to the accompanying drawings, Figure 1 is a side elevation, and Fig. 2 an end elevation, of my improved insulator.

It is constructed of wood, porcelain, or other suitable insulating material, and is shaped, as shown in the drawings, like a block, having its longer side adapted to rest against the wall or ceiling and provided with screw-holes for purposes of attachment. This block is marked A, and at either end is a knob B, projecting horizontally therefrom or in a direction parallel with the side which rests against the wall. The knobs B have each a contracted neck, so

that the wire C may be wound around it and firmly held thereby. When the two knobs project in the direction shown, it is possible to turn the wire around the knob in one direction or the other. When, starting in the direction of the arrow D, the wire is turned to the right, it will be nearer to the wall than when turned to the left, the difference being the diameter of the knob.

My device is very simple and cheap in construction. It greatly expedites the stringing of wires, and the wires when in place are held at a slight distance from the wall, and their insulation thereby will not be affected by any moisture on the wall, as is the case in the present arrangement, where the wires are stretched in contact therewith.

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

1. The combination, with two line-wires, of an insulator having a knob at each end insulated from one another, around which the wires are wound, and having a central base portion projecting between the wires and provided with means of attachment to a wall.

2. The combination, with two line-wires, of an insulator comprising a central base portion projecting between the wires and having a side resting against the wall, and endwise-projecting knobs at each end of said base portion, around which the wires are wound and which are insulated from one another.

3. The double-line insulator having a central base portion with a side for resting on the wall and a knob at each end projecting in line with the wall and having annular contracted necks, with the central insulating base portion projecting between them.

HERBERT C. WIRT.

Witnesses:

E. M. BENTLEY,
GEO. R. BLODGETT.