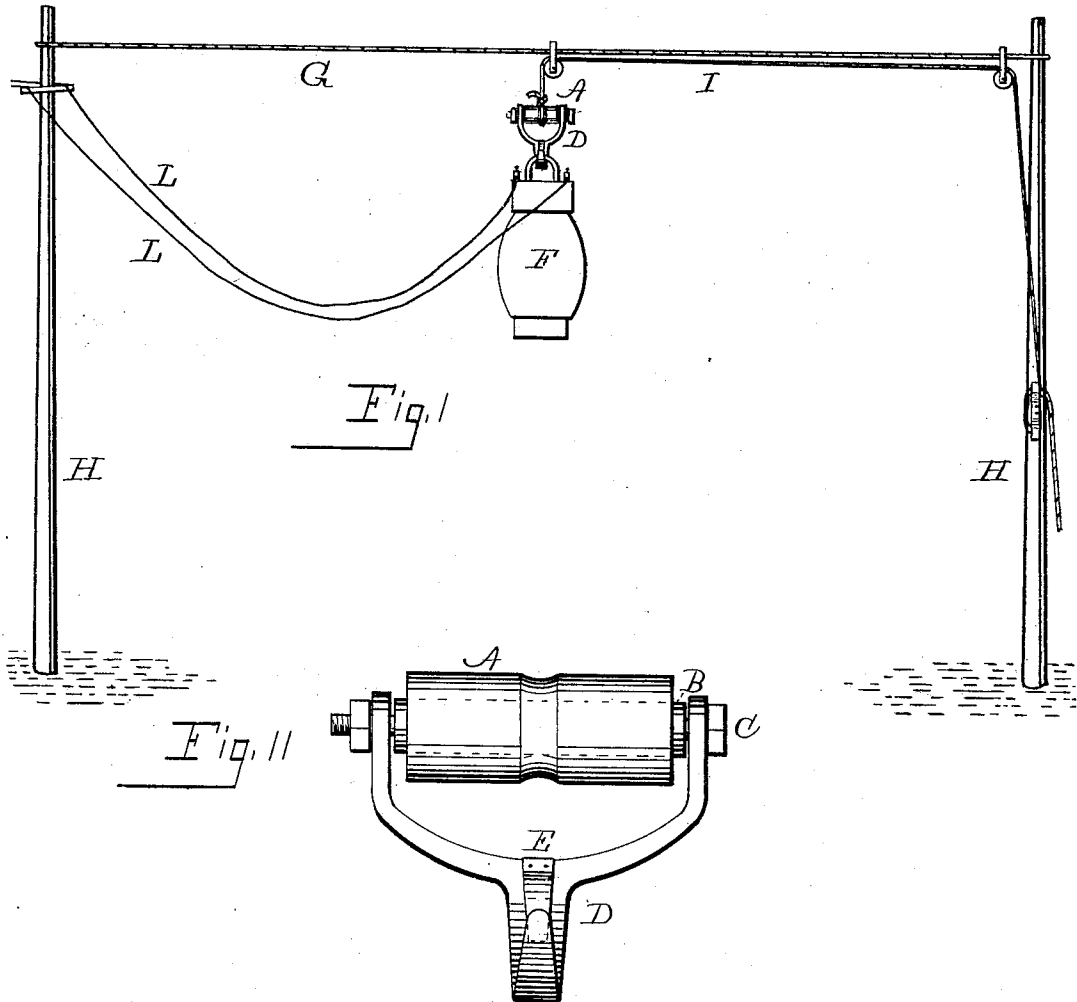


(No Model.)

J. R. FLETCHER.
ELECTRIC LAMP INSULATOR.

No. 323,504.

Patented Aug. 4, 1885.



WITNESSES:
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UNITED STATES PATENT OFFICE.

JOHN R. FLETCHER, OF DAYTON, OHIO, ASSIGNOR OF ONE-HALF TO JOSEPH E. LOWES, OF SAME PLACE.

ELECTRIC-LAMP INSULATOR.

SPECIFICATION forming part of Letters Patent No. 323,504, dated August 4, 1885.

Application filed June 23, 1884. (No model.)

To all whom it may concern:

Be it known that I, JOHN R. FLETCHER, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented a certain new and useful Improvement in Electric-Lamp Insulators; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in electric-lamp insulators adapted to the suspending of electric lamps from cables, gas-pipes, &c.; and it consists of a metallic frame with hook at the lower end and eyes in the upper ends for a bolt, upon which is placed a cylindrical piece of rubber, and over which is placed a cylindrical piece of porcelain with a peripheral groove at the center for the attachment of a supporting-cord.

The principal objects I have in view are to support street-lamps from wire cables and to suspend the same by wire ropes, instead of cotton and hemp cords, which are unsatisfactory. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a view of the electric-lamp insulator as applied to street-lamps. Fig. 2 is a front view of the electric-lamp insulator.

Similar letters designate like parts throughout the several views.

At Fig. 1 is illustrated the practical application of the insulator as used in the suspension of street-lamps.

H are poles set on opposite sides of the street, and the tops of which are connected by the cable G. At the center of this cable is suspended a pulley, and one also near the right-hand post. The cord I or wire rope is fastened to the insulator, is then passed over the aforesaid pulleys and fastened to the post, and thus the lamp is suspended. Suspended

from the hook of the insulator is the electric lamp F. (Shown in outline.)

L L are the line-wires which convey the current to the lamp.

At Fig. 2 is shown an enlarged view of the insulator.

D is a metallic frame with a hook at the lower end, and has eyes in the ends of the arms for the bolt C. Onto the bolt is placed a rubber tube, B, and over this is placed a porcelain insulator, the same being of uniform diameter, with the exception of a central peripheral groove. The flat spring E is riveted to the frame and bears against the under side of the hook. It is a safeguard, but not an essential feature, of the invention.

The use of my improved insulator is to suspend an electric lamp. The point of suspension is attached by a cord or wire to the central groove of the porcelain cylinder, and the lamp is hung on the hook. With this form of insulator I can substitute a wire rope for the cord usually used for the purpose, and thereby overcome obvious objections to the latter. As a means of insulation I have specified rubber and porcelain, but other substances may be substituted.

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

1. An electric-lamp insulator having a bifurcated frame with hook at bottom of same, a bolt to connect the arms of same, upon which is supported rubber tubing, and over said tubing is placed a grooved porcelain insulator, substantially as set forth.

2. The metallic frame D, with hook and arms, combined with bolt C, supporting a suitable insulating material, substantially as set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JOHN R. FLETCHER.

Witnesses:

B. PICKERING,
B. A. PICKERING.