

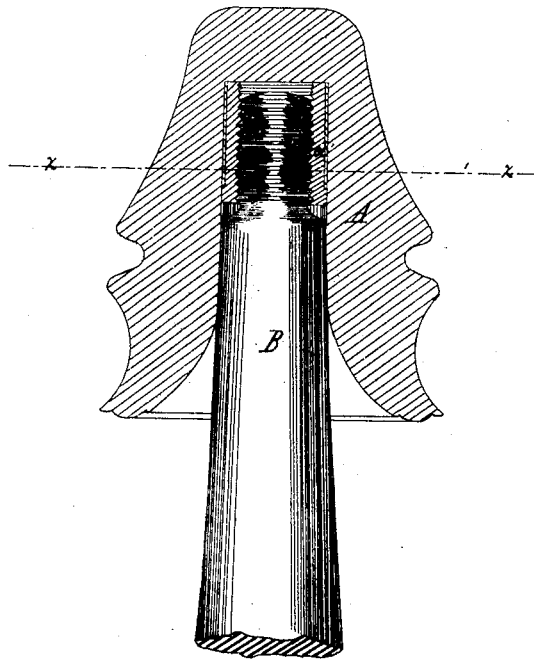
H. READ.

Improvement in Insulators for Telegraph-Wires.

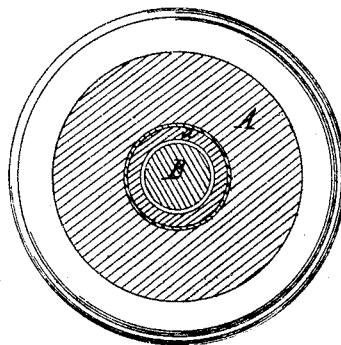
No. 115,521.

Patented May 30, 1871.

*Fig. 1.*



*Fig. 2.*



*Witnesses:*

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*Inventor:*

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*ATTY*

# UNITED STATES PATENT OFFICE.

HORATIO READ, OF JERSEY CITY, NEW JERSEY, ASSIGNOR TO HIMSELF  
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## IMPROVEMENT IN INSULATORS FOR TELEGRAPH-WIRES.

Specification forming part of Letters Patent No. 115,521, dated May 30, 1871.

*To all whom it may concern:*

Be it known that I, HORATIO READ, of Jersey City, in the county of Hudson, in the State of New Jersey, have invented a new and useful Improvement in Insulators; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 represents a vertical central section of this invention. Fig. 2 is a transverse section thereof.

Similar letters indicate corresponding parts.

This invention consists in the arrangement of a metal screw-socket in the interior of a glass insulator, in combination with a corresponding supporting-screw, in such a manner that said insulator can be secured to telegraph-poles or to buildings, or wherever it may be desired, in any position, with the greatest ease and facility.

A represents a glass insulator, such as is commonly used for the purpose of insulating telegraph-wires or conductors of electrical currents. In the interior of this insulator I secure a metal socket, *a*, which is fastened by cement or by pressing it into the glass, or in any other desirable manner, and which is provided with an internal screw-thread, as shown. This screw-thread may be longer or shorter, and if desired only a portion of the thread may be

used, so that half a turn would be sufficient to fasten the insulator to the desired spot. The screw-thread in the socket fits on a thread cut on the end of a pin, B, which serves to support the insulator. This pin is secured to the telegraph-pole or building, or to any other place where the insulator is to be attached, and it will be readily seen that, by means of my screw-socket, the operation of attaching a glass insulator is materially facilitated. It will be seen that the insulator is firmly supported on the pin B. The screw-socket *a* is placed at the base of the opening, which receives the projecting pin so that the plain or unthreaded part of this pin bears against the sides of the opening or cavity, and serves to support the insulator, while the screw-socket prevents its displacement. These two features are necessary in consequence of the great strain upon the insulator.

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

A telegraph-insulator, A, provided with a smooth socket, in the inner part of which is secured a metallic screw-thimble, *a*, to screw on the supporting-pin, while the outer portion of said socket forms a guide for the body of the supporting-pin, substantially as described.

HORATIO READ.

Witnesses:

W. HAUFF,  
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