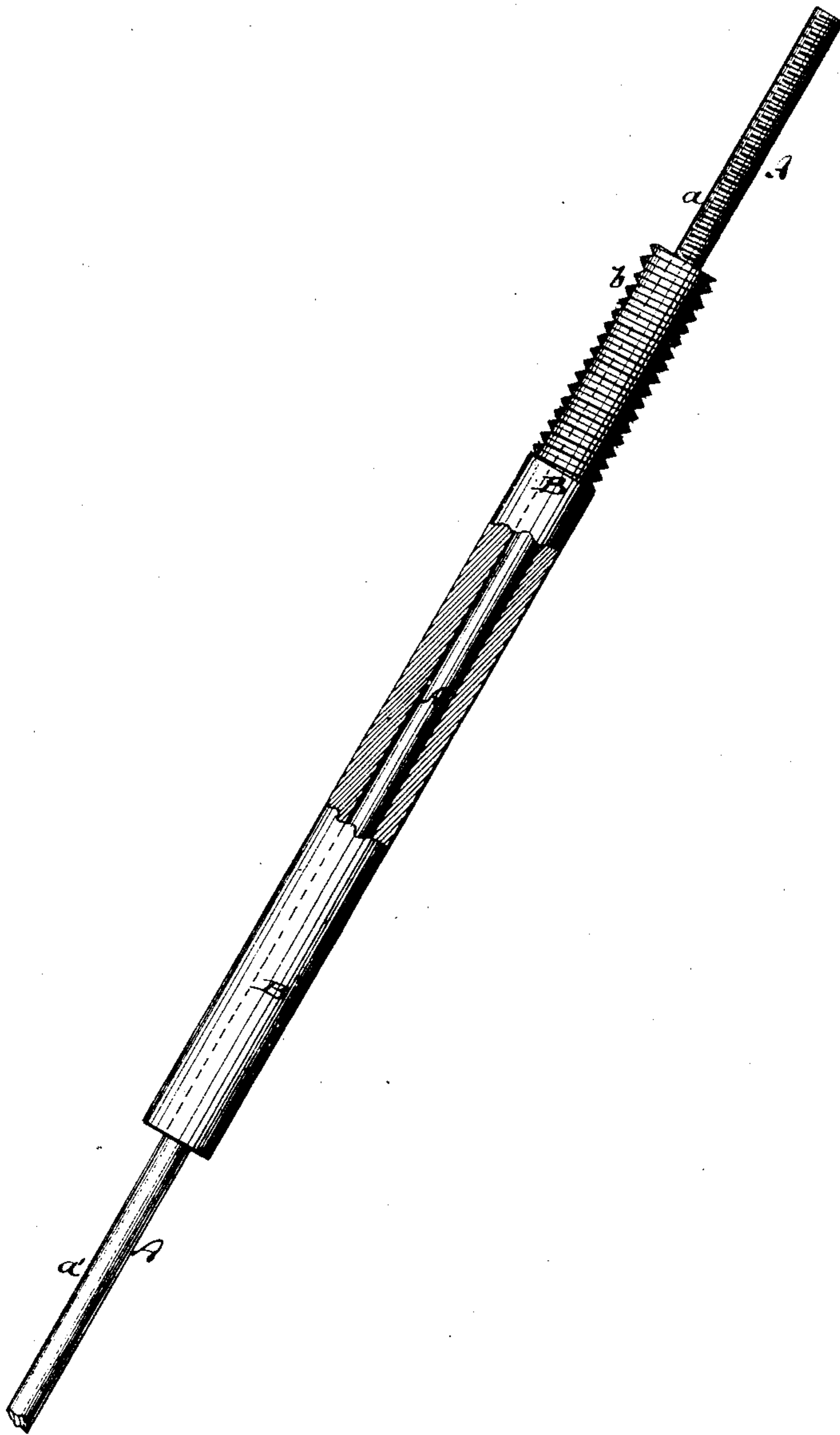


G. B. PRESCOTT.
Telegraph Wire Connection.

No. 111,246.

Patented Jan. 24, 1871.



Witnesses:

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GEORGE BARTLETT PRESCOTT, OF NEW YORK, N. Y.

Letters Patent No. 111,246, dated January 24, 1871.

IMPROVEMENT IN CONNECTORS FOR TELEGRAPH-WIRES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, GEORGE BARTLETT PRESCOTT, of the city of New York, in the county and State of New York, have invented a new and improved Insulated Telegraph-Connector; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

The object of this invention is to provide an effective and durable connection for telegraph-wires, for use in connection with telegraph offices where the lines are required to pass through the window-sashes or doors of such offices, buildings, or inclosures, or where such wires are required to rest upon buildings or upon or in other supports.

The drawing is a perspective view of my improvement, in part sectional.

My improved connector is composed of a conducting wire, A, and an insulating body, B, preferably of hard rubber, of cylindrical form, through which the wire A passes centrally, as shown.

The insulating material is firmly combined with the conducting wire, the rubber being cast or pressed and vulcanized upon the conductor A, with heat, in suitable molds, in a manner well known to rubber manufacturers. The vulcanized rubber is thus attached so closely and firmly to the conductor A that the latter is hermetically sealed and insulated from all access of water or moisture between the rubber and conductor.

One end of the insulating-cylinder B is provided with a screw-thread, *b*. When it is desired to connect an office-telegraph instrument with a line-wire an aperture is bored in the office window-sash and the screw *b* inserted. The cylinder B is then screwed in until it is firmly attached to the sash. The cylinder thus serves the double purpose of a sash support and insulator for the conductor A.

The wire from the telegraph instrument is coupled with my improved connector by means of stop-nuts of the usual kind which screw upon one end of the conductor A, the screw-thread *a* upon the wire being provided for that purpose.

The opposite extremity *a'* of the conductor is joined to the main or line-wire outside of the telegraph office by any of the ordinary couplings.

My improved connector may be employed, in the manner substantially as described, in connection with doors, door-posts, and various other portions of buildings and other telegraph-wire supporters.

Having thus described my invention,

I claim as an improved article of manufacture—

An insulated telegraph-connector, made substantially as herein shown and described.

GEORGE BARTLETT PRESCOTT.

Witnesses:

GEO. W. MABEE,
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