(No Model.)

J. B. OLIVER.

INSULATOR SUPPORT.

No. 566,468. Patented Aug. 25, 1896.

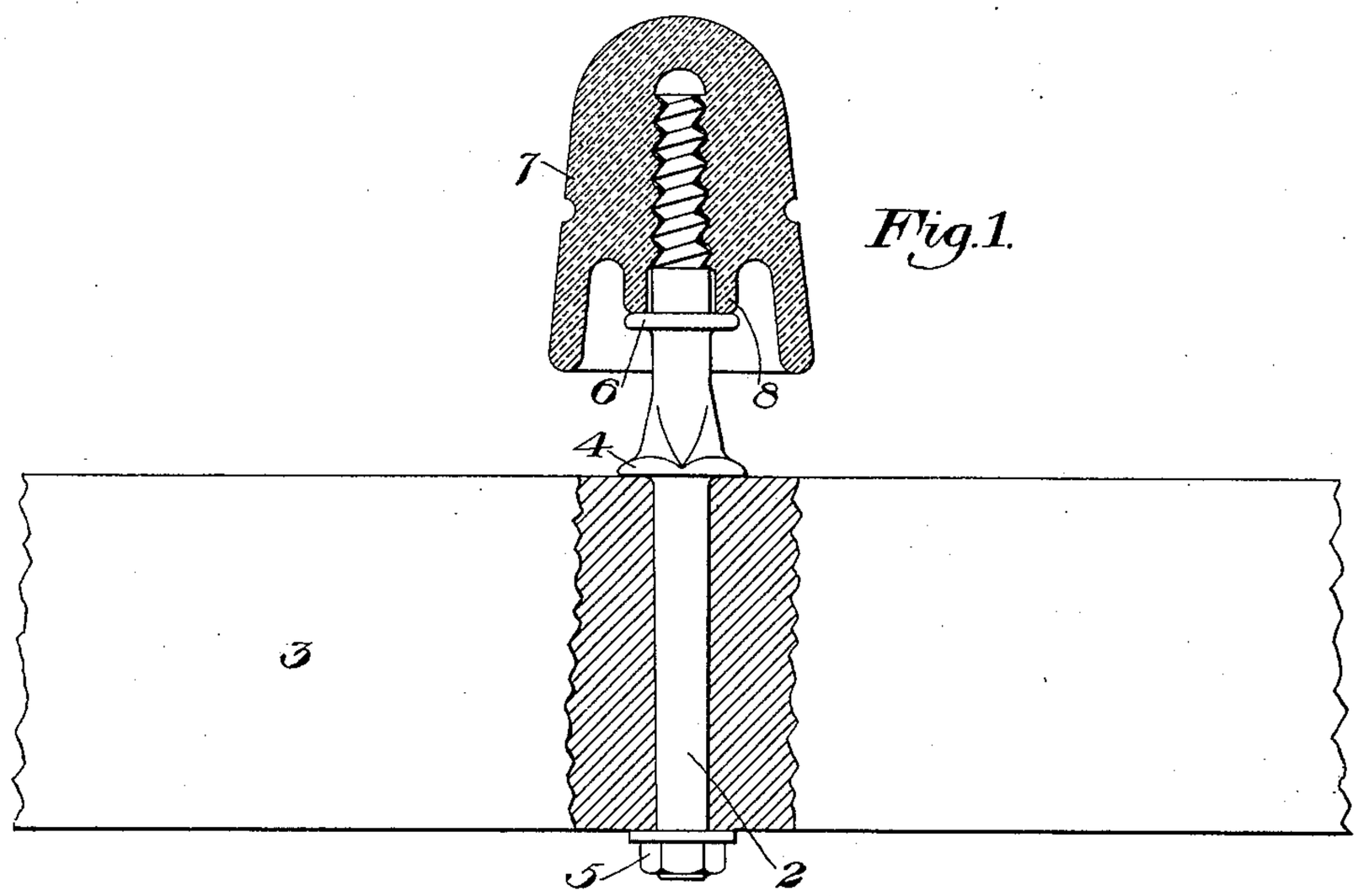

Fig. 1.

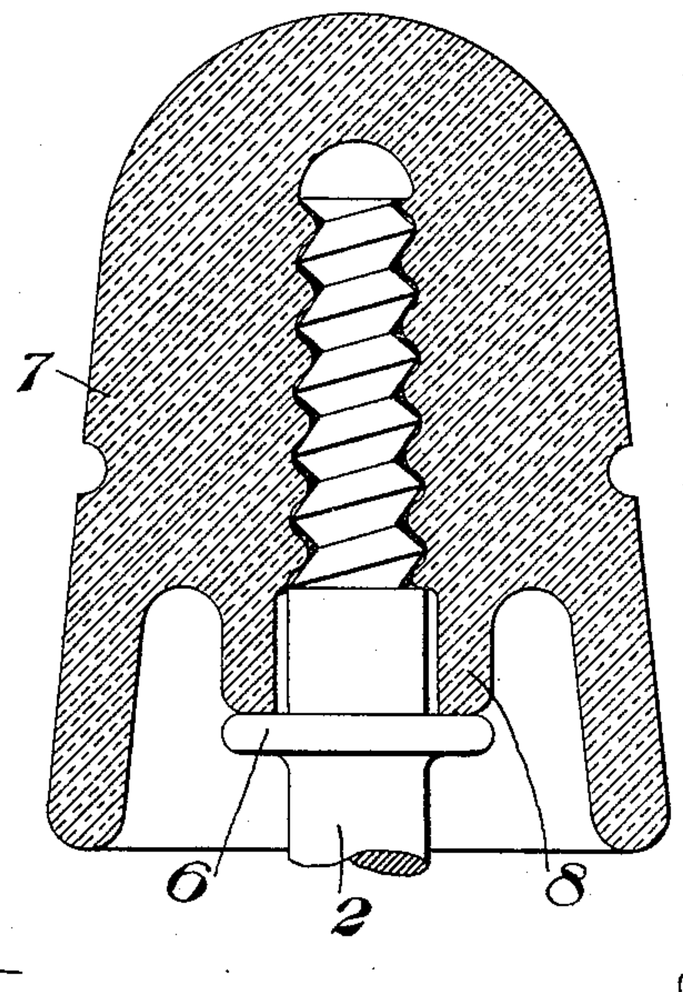

Fig. 2.

WITNESSES

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UNITED STATES PATENT OFFICE.

JAMES B. OLIVER, OF SHIELDS STATION, PENNSYLVANIA, ASSIGNOR TO THE OLIVER IRON AND STEEL COMPANY, OF PITTSBURG, PENNSYLVANIA.

INSULATOR-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 566,468, dated August 25, 1896.

Application filed December 30, 1895. Serial No. 573,702. (No model.)

To all whom it may concern:

Be it known that I, JAMES B. OLIVER, of Shields Station, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Insulator-Supports, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation of my improved insulator-support in position, showing the insulator in section; and Fig. 2 is an enlarged detail view showing the connection between the support and insulator.

My invention relates to the class of metal insulator-supports, and is designed to afford a support to which the glass insulator may be directly connected without the use of the intermediate wooden blocks which have been ordinarily employed therefor.

In the drawings, 2 represents the metal rod or support, which extends through the cross-arm 3 and is provided with an integral shoulder or collar 4, which abuts against the face of the cross-arm, the support being held by a nut 5 upon its screw-threaded end. Above the collar or shoulder 4 is provided a second annular shoulder or ring 6, above which the rod is screw-threaded, so as to engage suitable screw-threads in the interior of the glass insulator 7. To hold the insulator securely in place upon the support and prevent its sagging or displacement thereon, I wind upon the screw-threaded portion of the support a wrapping of asbestos, jute, hemp, or similar material, so that when the insulator is screwed into position it will bind itself firmly in place. The collar 6 also greatly aids in this purpose, as the inner projecting collar 8 of the insulator abuts up against this collar and prevents sagging thereof. The wrapping or packing of hemp or similar material may be applied in any desired way to the screw-threads, but I prefer to wind it upon the screw-threads in the form of cord.

I am aware that it has been attempted to use a glass insulator having an inner screw-thread engaging directly upon a screw-thread on an iron support, but in practice it has been found that this mode of attachment is very insecure, as the insulator will sag and become loosened from its place. This difficulty is entirely overcome in my device, as the packing in the screw-threads, especially in connection with the collar upon the support, binds the insulator firmly in position.

I claim—

The combination with a metallic insulator-support, having a collar against which the glass insulator abuts, of interfitting screw-threads upon the support and insulator, and a packing of hemp or similar material in said screw-threads substantially as described.

In testimony whereof I have hereunto set my hand.

JAMES B. OLIVER.

Witnesses:

STEPHEN W. TENER,

THOS. W. SMITH.