

J. M. SAHLIN.
WIRE CONNECTOR.
APPLICATION FILED FEB. 11, 1907.

909,943.

Patented Jan. 19, 1909.

Fig. 1.

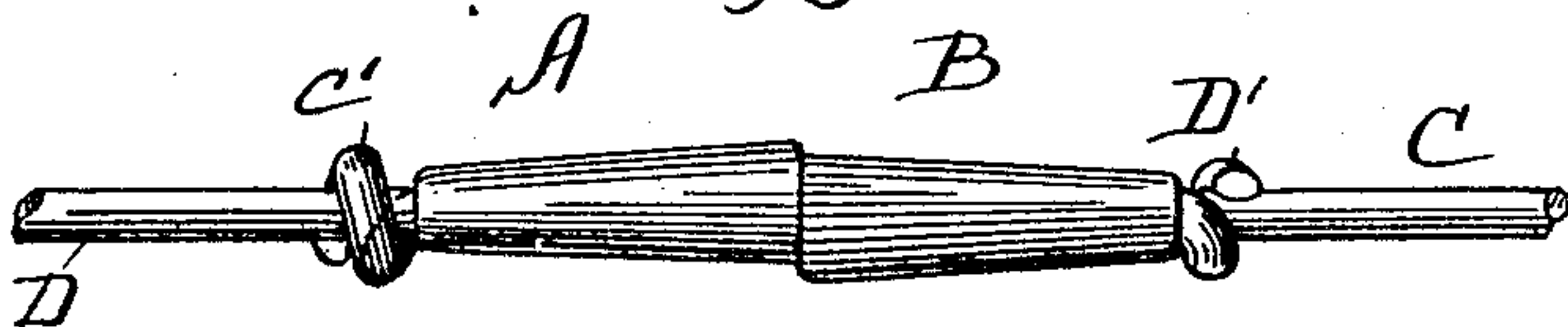


Fig. 2.

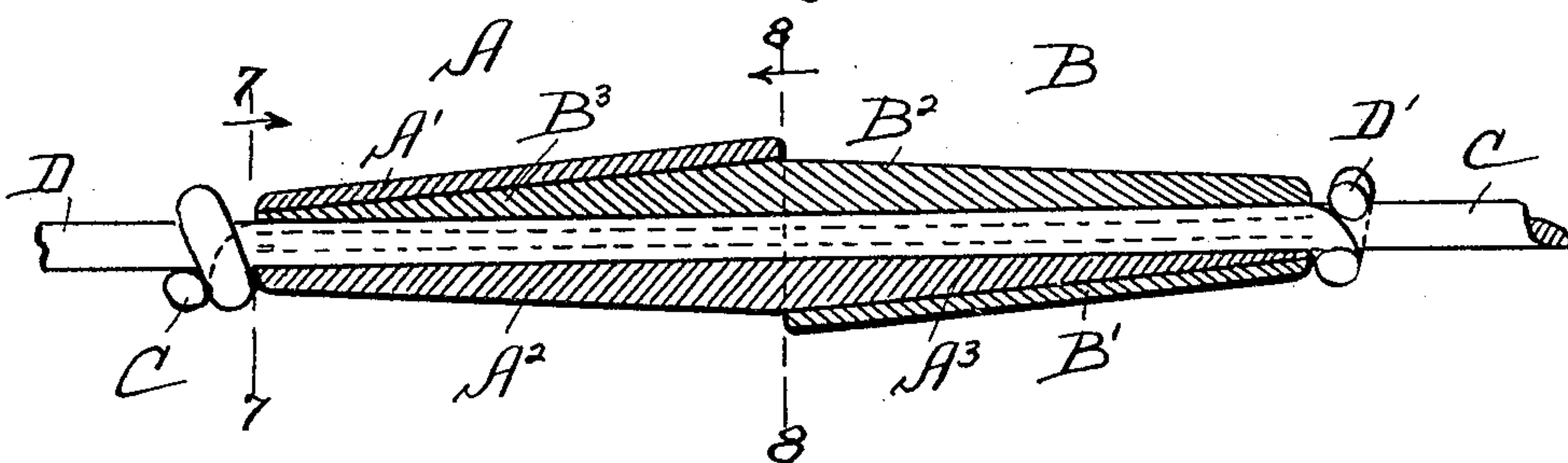


Fig. 3.

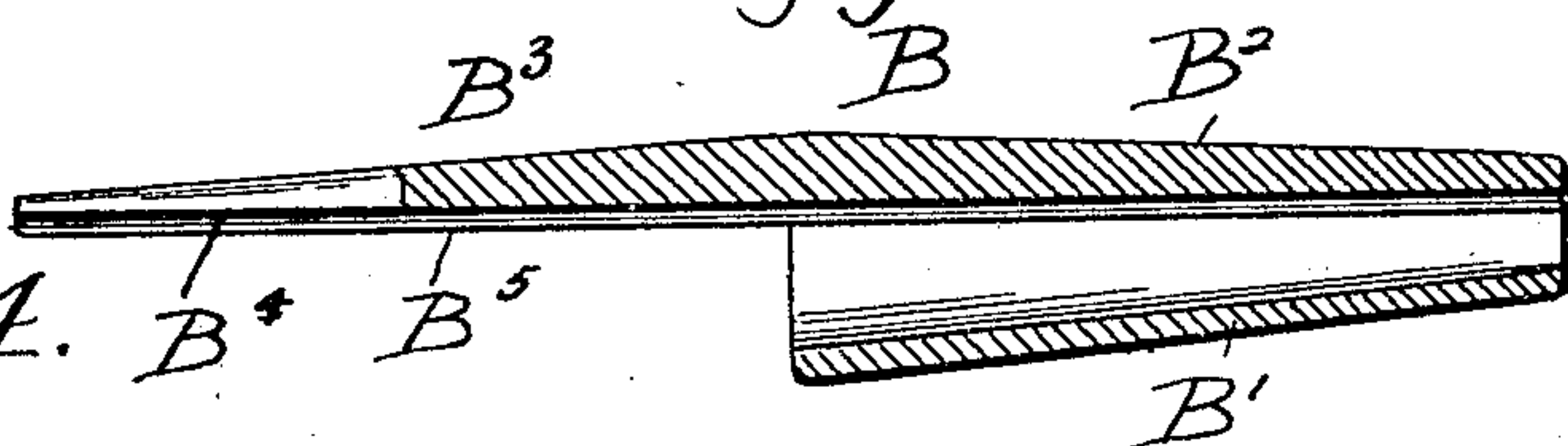


Fig. 4.

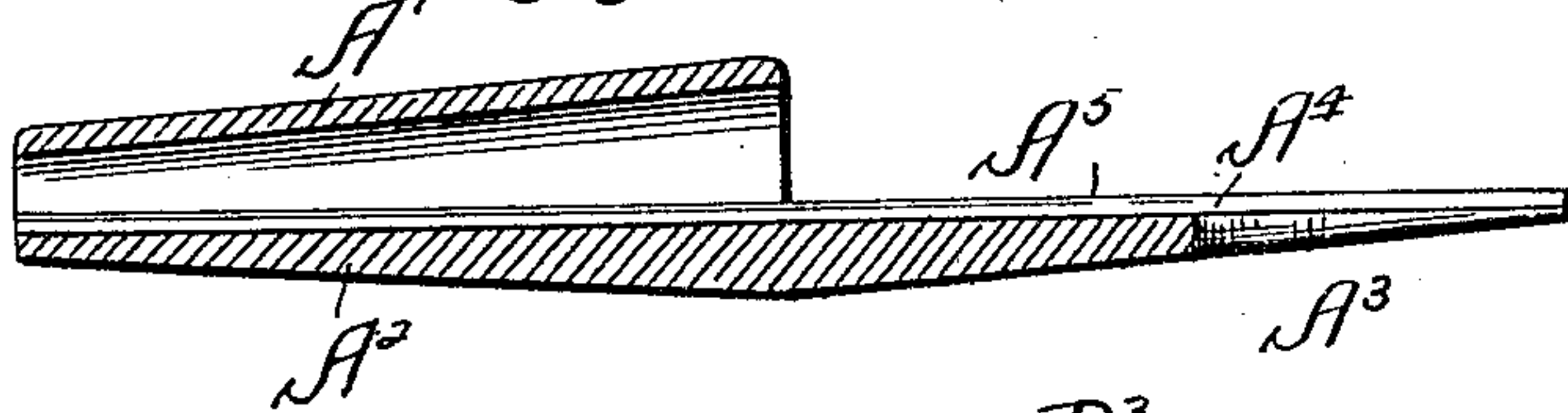


Fig. 5.

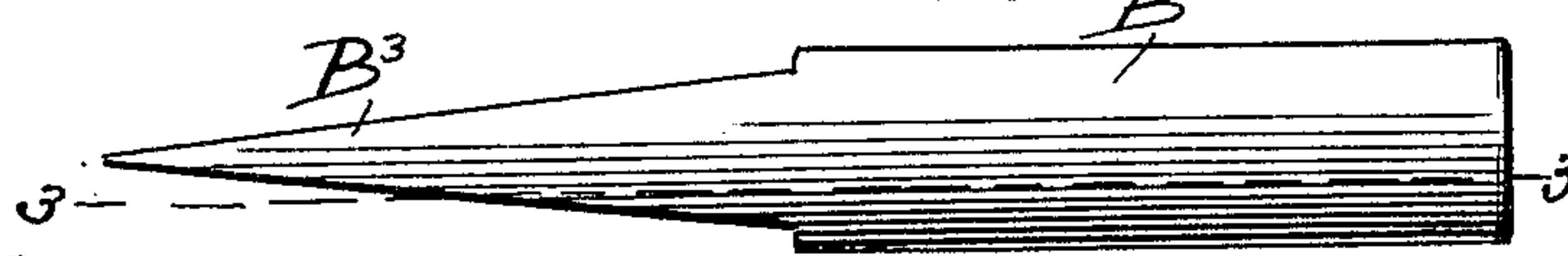


Fig. 6.

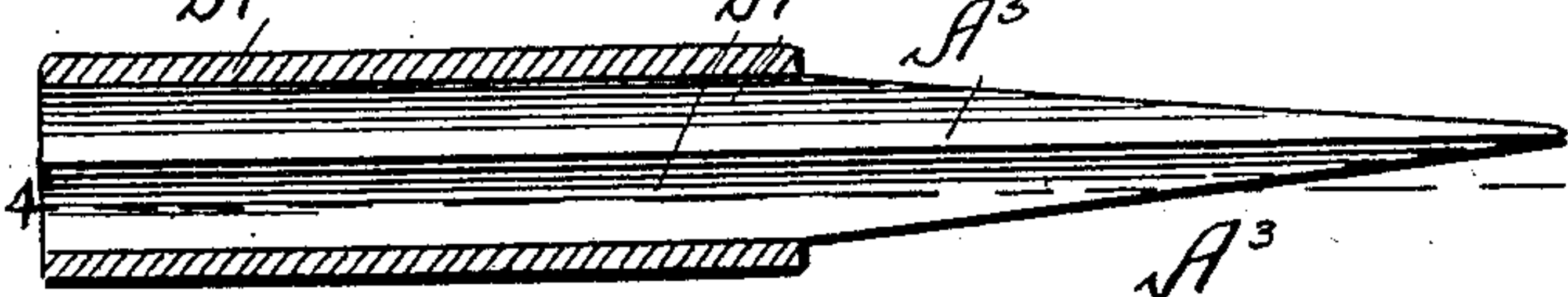
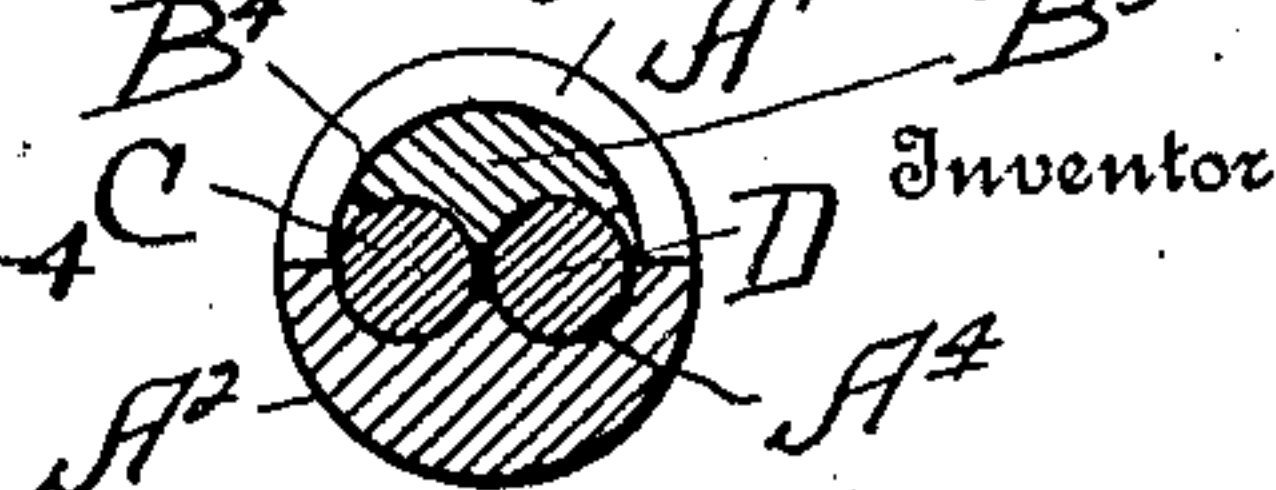


Fig. 8.



Witnesses

Fig. 7
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UNITED STATES PATENT OFFICE.

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WIRE-CONNECTOR.

No. 909,943.

Specification of Letters Patent.

Patented Jan. 19, 1909.

Application filed February 11, 1907. Serial No. 356,888.

To all whom it may concern:

Be it known that I, JOHN MAURITS SAHLIN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Wire-Connectors, of which the following is a specification.

This invention relates to wire connectors and more particularly to connectors for electric conductors, the object being to provide a connector so constructed that an absolutely perfect electric connection can be easily and quickly made without the use of soldering.

Another object of invention is to provide a pair of duplicate members adapted to be interlocked together and securely held in that position by bending the ends of the wires around one another.

With these and other objects in view, the invention consists in the novel features of construction combination and arrangement of parts hereinafter fully described and pointed out in the claim.

In the drawing forming a part of this specification: Figure 1 is a plan view of my improved connector showing the connector secured thereon. Fig. 2 is a longitudinal sectional view of the connector showing the conductors arranged therein. Fig. 3 is a longitudinal sectional view of one of the members of the connector taken on line 3—3 of Fig. 5. Fig. 4 is a longitudinal sectional view of the other member of the connector taken on line 4—4 of Fig. 6. Fig. 5 is a plan view of one of the members. Fig. 6 is a plan view partly in section of one of the members. Fig. 7 is a section taken on line 7—7 of Fig. 2. Fig. 8 is a sectional view taken on line 8—8 of Fig. 2.

In the drawing A and B indicate the duplicate coupling members forming my improved connector which may be formed of any suitable metal such as iron or copper. The member A consists of a tapering sleeve A' having a half round opening, the thick side A² formed thereby, being provided at its largest end with an outwardly project-

ing tapering pointed tongue A³. Spaced longitudinal grooves A⁴ are formed in the thick portion of the sleeve and the tongue forming a central rib A⁵. The member B is likewise formed of a tapering sleeve B', the thick side B² of which is provided with a similar tongue B³ having spaced longitudinal grooves B⁴ formed in the face of the thick side and the tongue forming a central rib B⁵. The end of the cables C and D to be connected are then passed through the members A and B and the pointed tongues of the members formed into the half-round openings of each other so as to bring the grooves of the tongues over the cables arranged in the grooves of the sleeves, and as the members are drawn together, the wires will be securely locked in the sleeves by the wedging action of the tongues, forming a perfect electrical connection. The end C' of the cable C is then twisted around the cable D and the end D' of the cable D around the cable C, so as to lock the sleeves together, thereby preventing any danger of the members being pulled apart.

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

A wire connector comprising duplicate members formed of tapering sleeves provided with semi-circular openings forming sides of different thicknesses, tapering pointed tongues extending out from the thickest sides of said sleeves at their largest ends, spaced longitudinal grooves formed in the thick sides of said sleeves and said tongues, the tongue of each member fitting in the sleeve of the other member and wires arranged in the grooves of said members having one of their ends twisted around the adjacent wire and bearing against the end of the respective sleeves.

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Witnesses:

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