

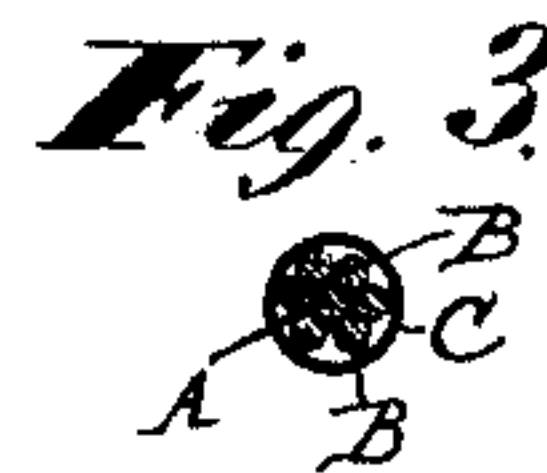
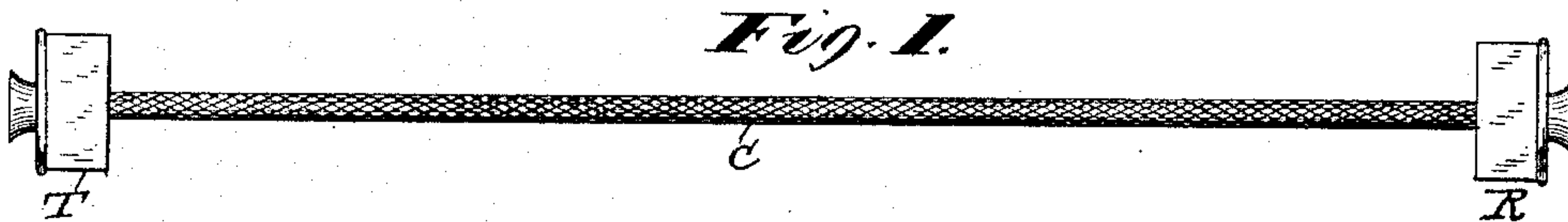
(No Model.)

J. S. JONES.

CONDUCTOR FOR MECHANICAL TELEPHONES.

No. 353,683.

Patented Dec. 7, 1886.



Witnesses:

Gabriel J. W. Galster
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UNITED STATES PATENT OFFICE.

JOHN S. JONES, OF BROOKLYN, NEW YORK.

CONDUCTOR FOR MECHANICAL TELEPHONES.

SPECIFICATION forming part of Letters Patent No. 353,683, dated December 7, 1886.

Application filed February 20, 1886. Serial No. 192,720. (No model.)

To all whom it may concern:

Be it known that I, JOHN S. JONES, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Conductors for Acoustic or Mechanical Telephones, of which the following is a specification.

My invention relates to an improved conductor for acoustic or mechanical telephones; and it consists, in the present instance, of a number of bare straight wires laid parallel to each other, surrounded and enveloped by a sound-deadening cover of fibrous or other suitable material.

Referring to the accompanying drawings, which form a part of this specification, Figure 1 represents my improved conductor, when completed, attached at either end to transmitting and receiving instruments. Fig. 2 is an enlarged view showing a portion of the sound-deadening cover cut away. Fig. 3 is a cross-section.

In the drawings, A represents a central wire of some metal, such as copper or lead; and B, surrounding wires of some stronger metal—such as steel.

C is a sound-deadening cover, made of fibrous or any other suitable material.

T is a transmitting and R a receiving instrument.

The object of placing the wire A in the center is to have the softer metal in contact with all of the steel wires B. By means of this arrangement the vibrations in the wires will be almost altogether repressed, and thus the ringing noises in the phones will be done away with. The outer covering also serves to prevent any exterior noises from affecting the wire.

I claim as new and of my invention—

1. In combination with the transmitting and receiving instruments of an acoustic or mechanical telephone, a multiple conductor consisting of two or more straight and bare wires arranged parallel to each other, as shown and described, and provided with a sound-deadening envelope overlaying the wires when so assembled.

2. In combination with the transmitting and receiving instruments of a mechanical or acoustic telephone, a multiple conductor consisting of two or more straight and bare wires arranged parallel to each other, as shown and described, one or more of the wires being of a softer metal than the others, the wires when so assembled being covered with a sound-deadening envelope.

JOHN S. JONES.

Witnesses:

S. H. WICKHAM,
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