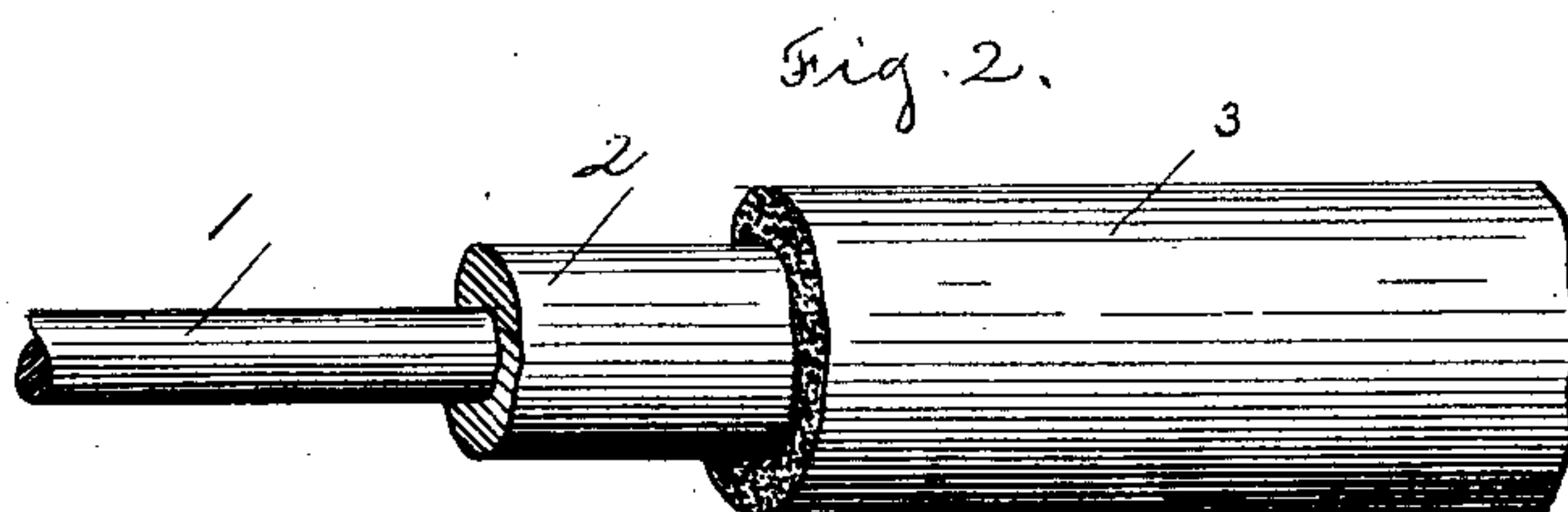
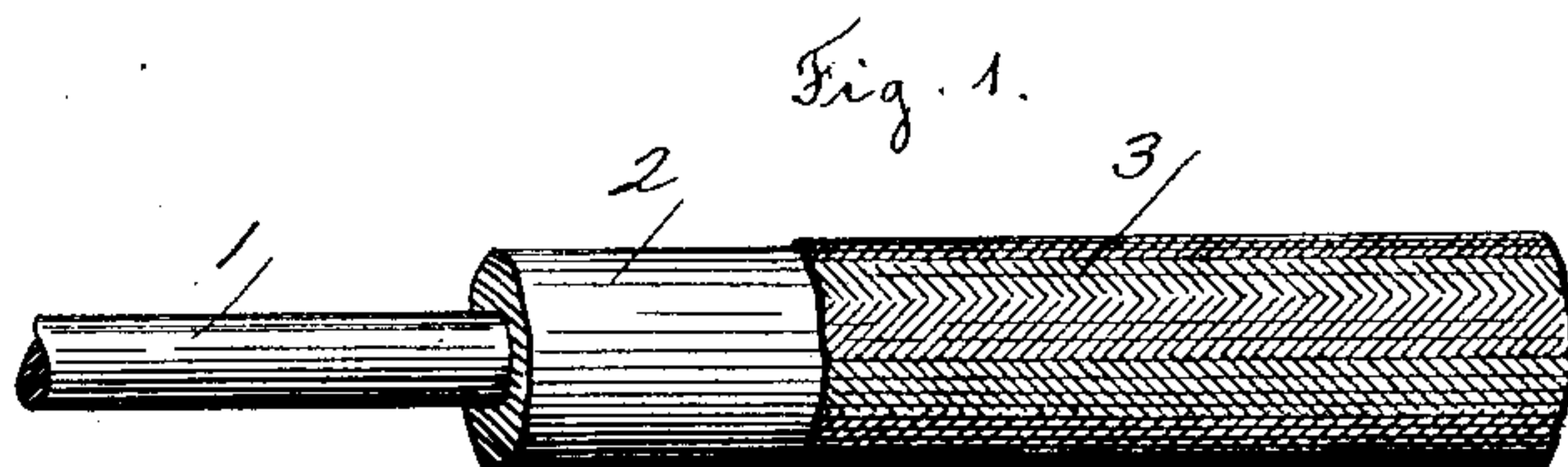


(No Model.)

C. W. BASSETT.  
ELECTRIC CONDUCTOR.

No. 475,920.

Patented May 31, 1892.



Witnesses  
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# UNITED STATES PATENT OFFICE.

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## ELECTRIC CONDUCTOR.

SPECIFICATION forming part of Letters Patent No. 475,920, dated May 31, 1892.

Application filed February 1, 1892. Serial No. 419,999. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES W. BASSETT, a citizen of the United States, residing at Newton, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Insulating Electric Conductors; and I do hereby declare that the following is a full, clear, and exact description thereof, which, in connection with the drawings making a part of this specification, will enable others skilled in the art to which my invention belongs to make and use the same.

My invention relates to insulating metallic conductors of electricity; and the object of my invention is to make an electric conductor provided with a cheap, light, and effective insulator applied thereto to insulate the same.

My invention consists in my improved insulation of electric conductors, and more particularly in combining with the metallic conductor a non-conductor or insulating covering or coating consisting of paper or paper-pulp applied to and surrounding the metallic conductor and a protective covering surrounding the insulating covering, as will be hereinafter fully described.

Referring to the drawings, Figure 1 is a longitudinal view of my improved insulated electric conductor, partially in section, showing one form of the protective covering for the paper insulator; and Fig. 2 corresponds with Fig. 1, but shows another form of the protective covering.

In the accompanying drawings, 1 is the metallic conductor, of any desired size or shape, which is to be insulated.

2 is the insulator or the insulating material, which is made of paper or paper-pulp, and which consists of a moldable mass of paper or paper-pulp applied to the metallic conductor 1, so as to completely surround the same and form a seamless tube of circular or oval shape extending over the conductor 1. It will be understood that the insulating material 2, made of paper or paper-pulp, is not applied to the metallic conductor 1 in the form of sheets or strips wrapped around the conductor, leaving seams and cracks for the escape of the electricity from the conductor; but said insulating material 2, made of paper or paper-pulp, is applied to the conductor 1 in a moldable form, as a coating, which is pressed onto or otherwise applied to the metallic conductor 1 to form a seamless covering

or tube without cracks or joints, surrounding the conductor.

In order to protect the insulating material 2 from external wear and abrasion and the possibility of its being broken off, so as to expose the metallic conductor 1, I cover the same with a protective covering or coating 3, which may be made of any well-known material used for this purpose, and is applied to the insulating material to extend over and cover the same in any well-known way.

I have shown in Fig. 1 the protective covering or coating 3 in the form of a braided fabric, of cotton or other fibrous material, and in Fig. 2 in the form of a coating of rubber or other suitable material. The protective covering or coating may be of inflammable material, if desired.

The advantages of my improved insulated electric conductor will be appreciated by those skilled in the art.

I provide an insulated electric conductor of very light weight and of very simple and cheap construction. The paper or paper-pulp which forms the non-conductor or insulating covering for the metallic conductor is used in gelatinous or moldable condition, so that it may be readily applied to the metallic conductor and formed into a seamless tube encircling the same.

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

1. As an improved article of manufacture, an insulated electric conductor consisting of a metallic conductor having a seamless coating of paper extending over the same and a protective covering extending over said coating of paper, substantially as set forth.

2. An electric conductor consisting of a metallic conductor, an insulating covering of seamless paper extending over the same, and a protective covering extending over the insulating covering, substantially as set forth.

3. The combination, with a metallic conductor, of a seamless paper coating surrounding said metallic conductor and applied thereto, and a protective covering or coating surrounding said seamless paper coating, substantially as set forth.

CHARLES W. BASSETT.

Witnesses:

KATIE FARRELL,  
JOHN J. POWERS.