

(No Model.)

J. A. SEELY.  
INSULATING CASING.

No. 420,171.

Patented Jan. 28, 1890.

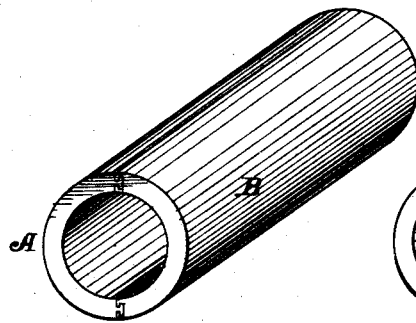


Fig. 1.

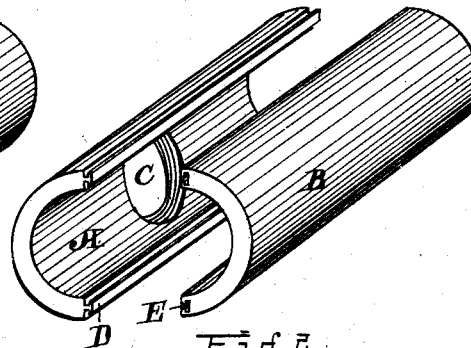


Fig. 2.

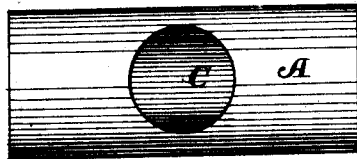


Fig. 3.



Fig. 4.

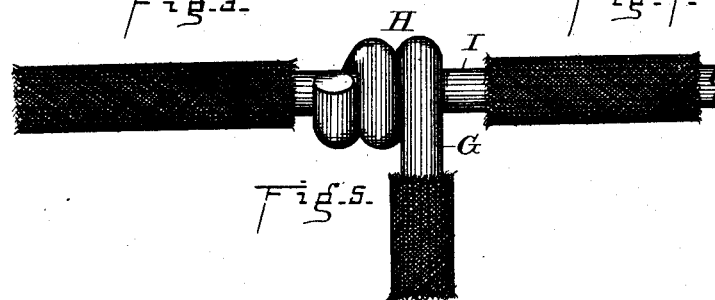


Fig. 5.

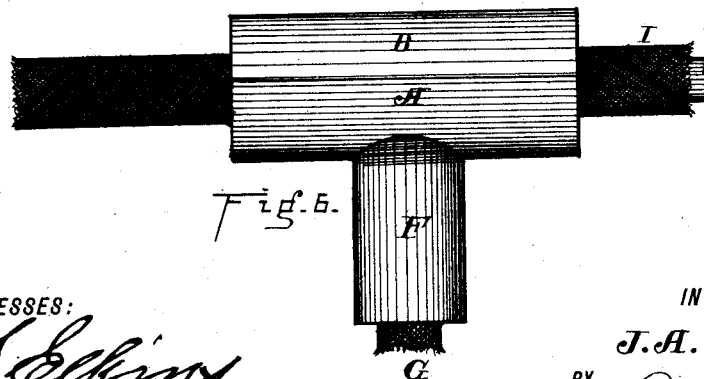


Fig. 6.

WITNESSES:

*J. S. Seely,*  
*Edw. Mollof.*

INVENTOR

*J. A. Seely*

BY

*J. S. Seely*  
ATTORNEY.

# UNITED STATES PATENT OFFICE.

JOHN A. SEELY, OF NEW YORK, N. Y.

## INSULATING-CASING.

SPECIFICATION forming part of Letters Patent No. 420,171, dated January 28, 1890.

Application filed October 28, 1889. Serial No. 328,465. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN A. SEELY, a citizen of the United States, and a resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Insulating-Casings for Wire-Connections, of which the following is a specification.

Figure 1 is a perspective view of the separable tube which constitutes a portion of my improved insulating-casing for wire-connection; Fig. 2, a perspective view of the same separated; Fig. 3, a side view of the same; Fig. 4, a side view of the right-angled tube which screws into one of the separable sections; Fig. 5, a side view of the wire-connection, and Fig. 6 a side view showing the connected wires covered and protected by my improved casing.

The object of my invention is to provide a positive insulating-casing for the joints of wires; and it consists in constructing a separable or removable covering of vulcanized rubber or other suitable insulating material, which is made in the form of a separable tube, which is placed over the main or continuous wire, one of the separable parts or sections of this tube having a screw-threaded hole in its side, into which is screwed a short tube, which latter tube receives the branch wire, all of which will now be set forth in detail.

In the accompanying drawings, A represents one of the sections of a tube, which is composed of suitable insulating material, and B the other half or section. The section A has on one side a screw-threaded hole C, and has also along its edges dovetailed tongues D. The other section B has along its edges the dovetailed grooves E, so that the two sections may be secured to each other by sliding them together, as shown in Fig. 1. In the screw-threaded hole C is placed the short tube F. This tube has one of its ends screw-threaded, and is composed of the same material, preferably, as the separable tube A B, but diametrically smaller. It is obvious that the short tube F may be secured to the tube A B otherwise than by the screw-threads (by locking or other equivalent means) without departing from the spirit of my invention, as my

object is to form a T-joint composed of tubular material, in which the horizontal limb thereof is separable, so as to enable the user to readily apply it to a wire joint or to remove it, and when so removed it can be again used for the same purpose. It is obvious, therefore, that instead of having the meeting edges of the separable tube A B provided with dovetail tongues and grooves any other form of casing may be employed to accomplish the purpose.

In applying my casing the joint or wire connection is made in the usual way or as shown in Fig. 5. Before doing so, however, the short tube F is placed on the branch wire G and screwed into the lower section A of the separable tube. The twist H is then made around the main wire I, the section A is brought up against the wire joint, and the other section B secured to the section A, thereby completely covering the naked wire at the joint and affording complete and positive protection.

It will be observed that the terms "main" and "branch" wire are mere relative terms, here used for the purpose of more easily designating the parts.

What I claim as new is—

1. As a new article of manufacture, a separable and removable insulating-casing for wires, composed of insulating material, substantially as herein set forth.

2. As a new article of manufacture, a separable and removable insulating-casing for wires, composed of a T-shaped tubular joint, the horizontal limb of which is longitudinally separable and the vertical limb thereof removably secured to one of the aforesaid separable sections, substantially as herein set forth.

3. An insulating-casing for wires, composed of a T-shaped joint formed of a tube of insulating material, the horizontal limb of which is longitudinally separable and the vertical limb screw-threaded and secured to one of the aforesaid separable sections, substantially as herein set forth.

4. An insulating-casing for wires, consisting of a longitudinally-separable tube of insulating material, in combination with a right-angled tube secured removably to one

of the said sections, substantially as herein set forth.

- 5 An insulating-casing for wires, consisting of a longitudinally-separable tube of insulating material, in combination with a tube secured removably to one of the aforesaid sections at right angles and with the wires which it incloses, substantially as herein set forth.

Signed at New York, in the county of New York and State of New York, this 26th day of October, A. D. 1889.

JOHN A. SEELY.

Witnesses:

JAMES A. TAYLOR,  
J. S. ZERBE.