

No. 688,970.

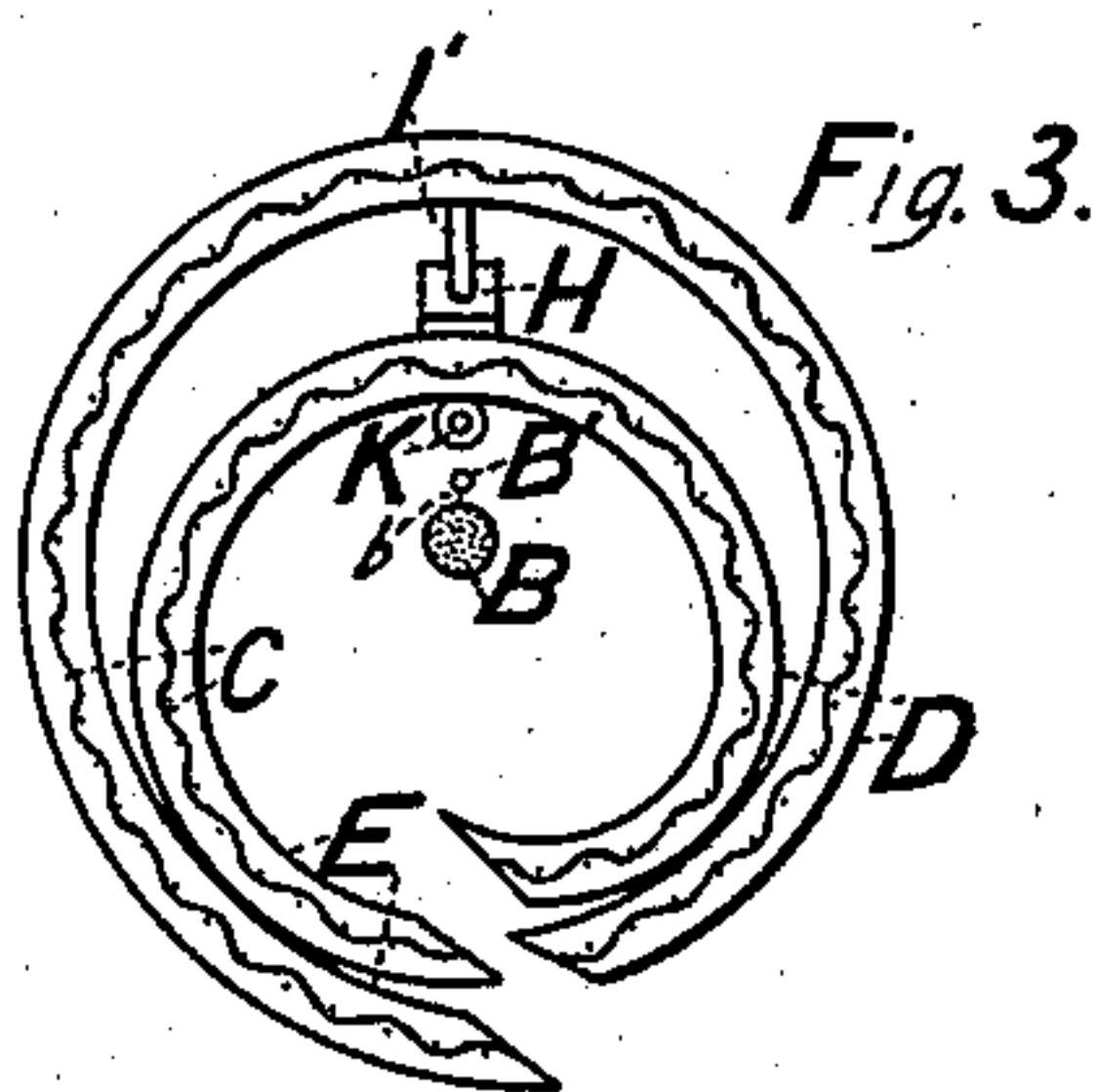
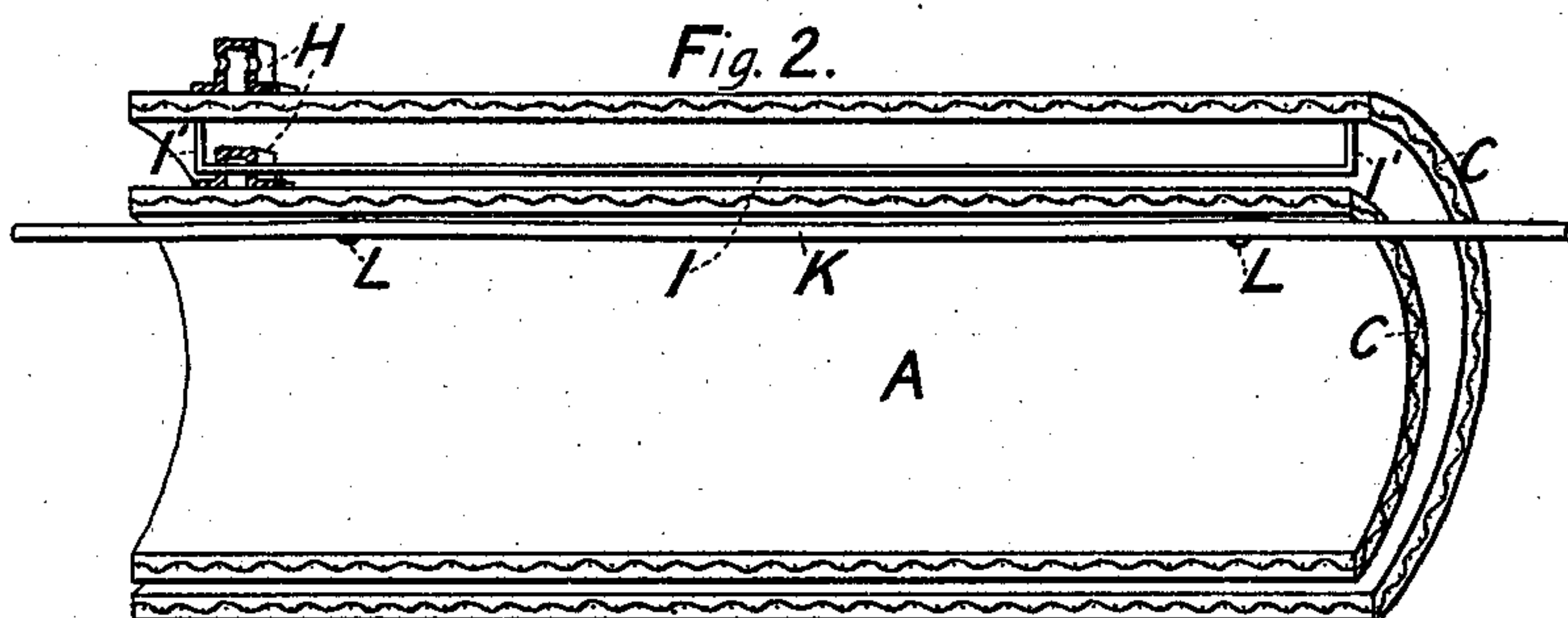
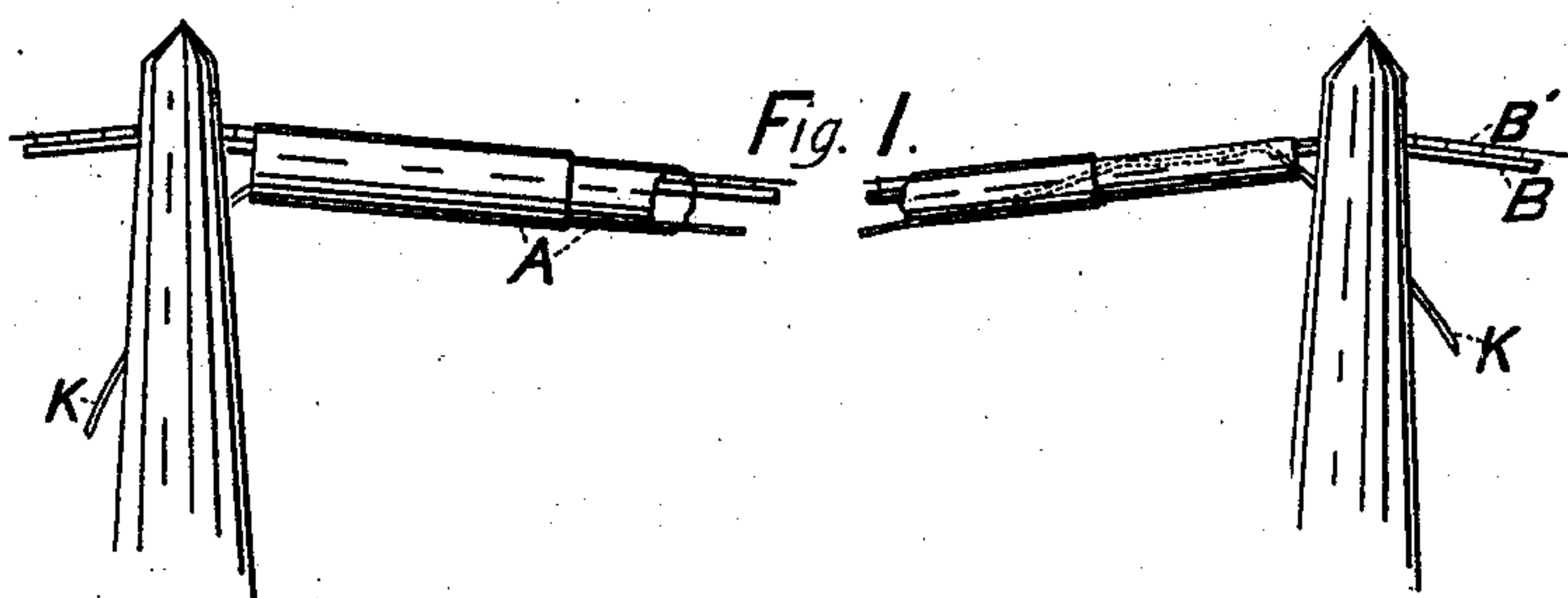
Patented Dec. 17, 1901.

F. D. SAYLOR.

FIRE PROTECTOR FOR TELEPHONE CABLES.

(Application filed May 13, 1901.)

(No Model.)



Witnesses:

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# UNITED STATES PATENT OFFICE.

FRANK D. SAYLOR, OF ST. LOUIS, MISSOURI.

## FIRE-PROTECTOR FOR TELEPHONE-CABLES.

SPECIFICATION forming part of Letters Patent No. 688,970, dated December 17, 1901.

Application filed May 13, 1901. Serial No. 60,042. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK D. SAYLOR, a citizen of the United States, residing in the city of St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Fire-Protectors for Telephone-Cables; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

It is a well-known fact that when a conflagration occurs in a building or block situated in proximity to a telephone-cable the heat or flames injure or destroy the cable inclosing wires, thereby breaking telephonic connection.

The object of my device is to overcome these frequent impairments of telephone service and loss by means of a device consisting of connected sections of tubular form that may be telescoped one within another, readily carried by fireman or others from one locality to another, sprung over the telephone-cable at a pole at the point of danger, and its sections quickly drawn out over a part or all the length of cable to the next pole.

In the drawings, Figure 1 is a general view of my device, broken away at the middle, stretched between two poles. Fig. 2 is a longitudinal section, and Fig. 3 a cross-section. Similar letters refer to similar parts throughout the several views.

As shown in the drawings, A A represent the several sections adapted to incase a cable B, suspended from wire B' by means of hanger b.

C represents the body of each section of my device and consists of a single strip of spring metal, preferably steel gauze, bent in the form of a tube, its edges contacting or preferably overlapping, as shown in Fig. 3. Asbestos being fireproof, I make a covering D and lining E of said material for said steel spring-gauze, thus rendering the cable doubly secure from injury by heat or flames. On the outside of each section excepting the largest or outside section, near its inner end, there is a guide H set crosswise, having its ends fastened to the gauze by means of rivets or other suitable means. In each section excepting the smallest or inside section there is a rod

I, upon which a guide travels. The ends I' I' of each rod are turned upward at right angles and fastened rigidly to the inside of their sections of the protector, the rod thus serving as a support and slide for the protector-guide, and its turned ends, in connection with the guide, also serving as stops to prevent the sections being drawn out of each other.

To enable the fireman or other person to manipulate the device after it, with its several sections telescoped together, has been sprung over the cable, suspending-wire, and hanger, I extend an asbestos-covered rope K through the device, fastening the same by bolts L L or other means near the back and front ends of the smallest or inside extension or section. The ends of this rope hang out, one end serving as a means to draw out the sections after the device has been sprung over a cable, the other end serving for telescoping the device when it is desired to remove it from the cable.

What I claim, and desire to secure by Letters Patent, is—

1. In a fire-protector for telephone-cables a tubular sheet of spring-gauze provided with an asbestos covering and lining and adapted to be sprung open to encircle a telephone-cable, substantially as described and for the purpose specified.

2. In a fire-protector for telephone-cables a spring-metal asbestos covered and lined tubular case constructed in telescopic sections, the rods adapted to carry the guides therein and the asbestos-covered rope for manipulating the same, substantially as described.

3. In a fire-protector for telephone-cables, in a combination, the spring-metal tubular case constructed in telescopic sections, the asbestos covering and lining to the same, a guide rigidly fastened on each of the inner sections, a rod with ends bent at right angles and rigidly attached to the inside of each section and adapted to carry said guides, and the asbestos-covered rope extending through said tubular case and having a permanent connection with the inside section of the case, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

FRANK D. SAYLOR.

Witnesses:

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