(No Model.)

A. C. ROBBINS.

TELEPHONE TRANSMITTER FOR SIGNAL BOXES.

No. 589,619. Patented Sept. 7, 1897.

Fig. 1.

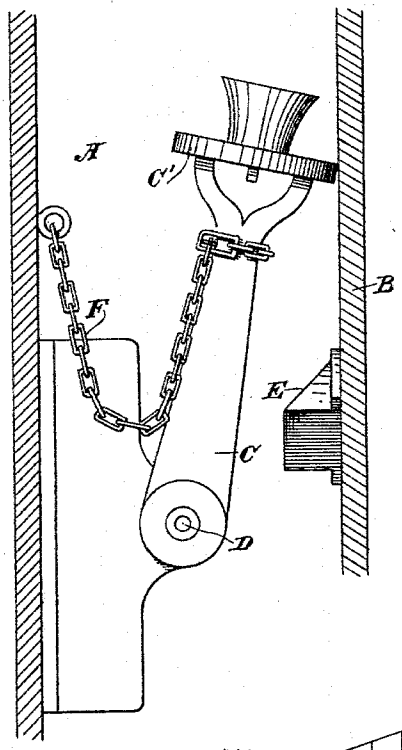


Fig. 3.

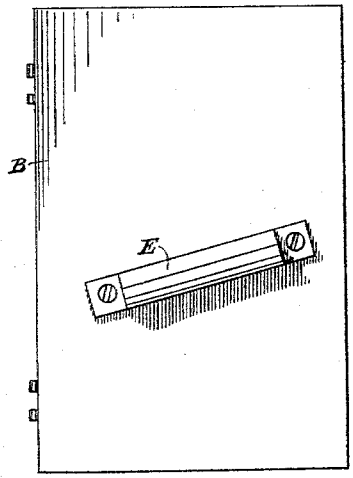
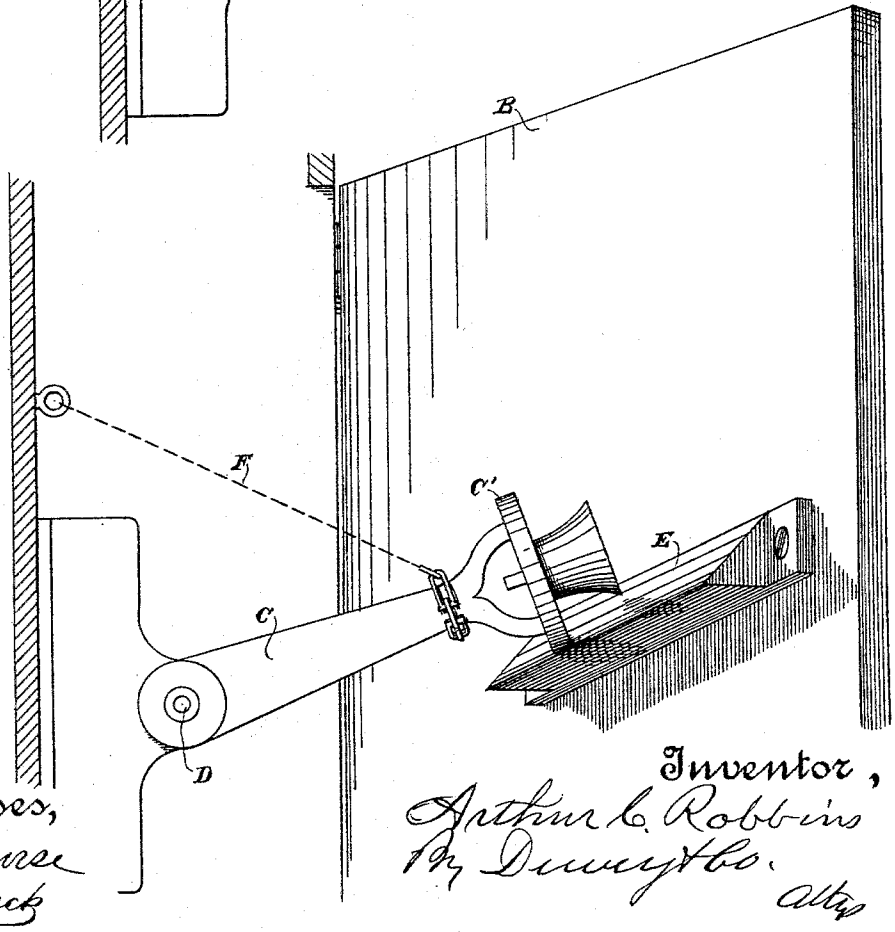


Fig. 2.



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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

ARTHUR C. ROBBINS, OF SAN FRANCISCO, CALIFORNIA, ASSIGNOR TO EDWARD C. HUGHES, OF SAME PLACE.

TELEPHONE-TRANSMITTER FOR SIGNAL-BOXES.

SPECIFICATION forming part of Letters Patent No. 589,619, dated September 7, 1897.

Application filed March 26, 1897. Serial No. 629,347. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR C. ROBBINS, a citizen of the United States, residing in the city and county of San Francisco, State of California, have invented an Improvement in Telephone-Transmitters and Box Attachments; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates especially to the use of telephones in boxes, such as are commonly used for police, fire-alarm, street-railway, and other purposes that require a telephone in a narrow compact space.

It consists in details of construction which will be more fully explained by reference to the accompanying drawings, in which—

Figure 1 is a vertical section of the box closed and the telephone-transmitter in a position of rest as held by the door. Fig. 2 is a view showing the box open and the transmitter dropped outside thereof in position for use. Fig. 3 shows the door and the attachment.

The object of my invention is to provide means for closing or folding the long arms which more recent improvements in carbon-dust transmitters render more convenient and perfect for the purpose designed.

The use of transmitters in boxes which are adapted to be secured to poles, as in police, fire, or other signaling, has usually been limited to that type which occupies but little space on account of the contracted size necessary for such boxes; but in my improvement I am enabled to employ the long-arm transmitter and render its movements practically automatic, or depending upon the opening and closing of the door.

A is the box; B, the door thereof. Within the box is hinged or pivoted the transmitter C, turning loosely about the hinge or pivotal point D.

The door B has fixed upon it a lug or cleat E, as shown. This lug or cleat may be made of wood, hard rubber, or any suitable material, and is so shaped that it will come in contact with the transmitter-head C′ when the door is being closed and the transmitter is in its extended position. When the door is thus pushed inwardly to close the outer end, the transmitter travels up this lug and along the inside of the door and is thus raised to its vertical position, as shown in Fig. 1. When the door is opened, it falls by gravitation and in like manner follows the door and cleat until it is extended in the proper position for use. The limit of its downward movement is controlled by a flexible connecting cord or chain F, one end of which is attached to the interior of the box or at other suitable point, and the other end is connected with the transmitter-arm.

It will be manifest that while the transmitter-arm will fall by gravitation it might be actuated by a spring if found desirable.

The size, shape, and position or angle of the lug or cleat E will depend upon the position or angle of the transmitter-head at the point of first engagement, and this will depend upon the length of the supporting device F.

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

1. The combination with a box having an outwardly-opening door and a transmitter hinged or pivoted therein, of a lug or cleat adapted to contact with and raise the outer end of the transmitter by the closing of the door.

2. A box having an outwardly-opening door, a telephone-transmitter arm hinged or pivoted within the box adapted to fall into position for use by gravitation or otherwise when the door is opened, and an attachment whereby the act of closing the door operates to raise the transmitter and close it within the box.

3. A box having an outwardly-opening door, a telephonic transmitter hinged or pivoted within the box and adapted to be raised to an approximately vertical position or to drop by gravitation into position for use, a flexible chain or connection whereby the limit of the drop is regulated and an attachment adapted to contact with the head of the transmitter when the door is closed, whereby the transmitter is raised and folded into the box by said closure.

In witness whereof I have hereunto set my hand.

ARTHUR C. ROBBINS.

Witnesses:

S. H. NOURSE,

JESSIE C. BRODIE.