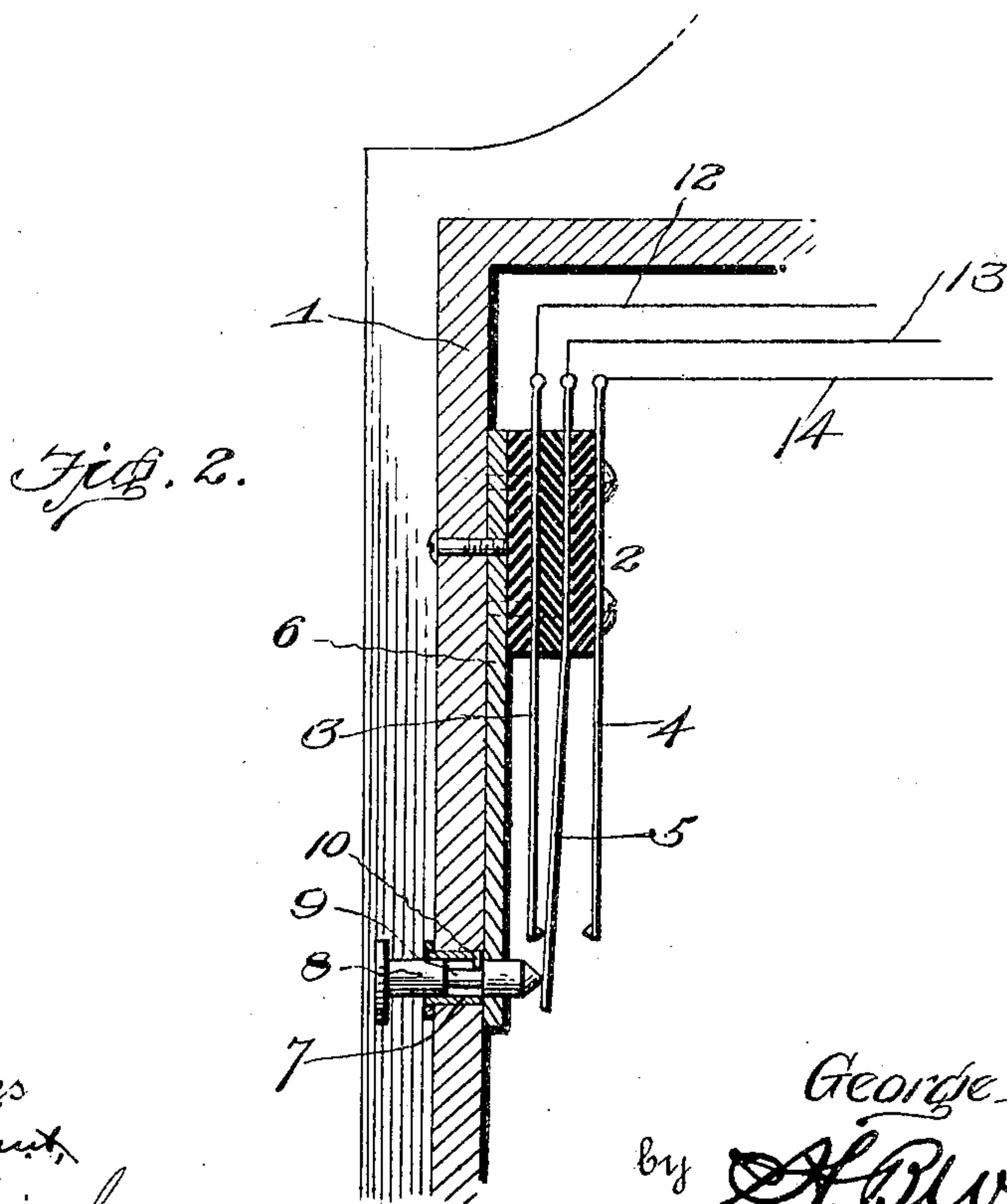
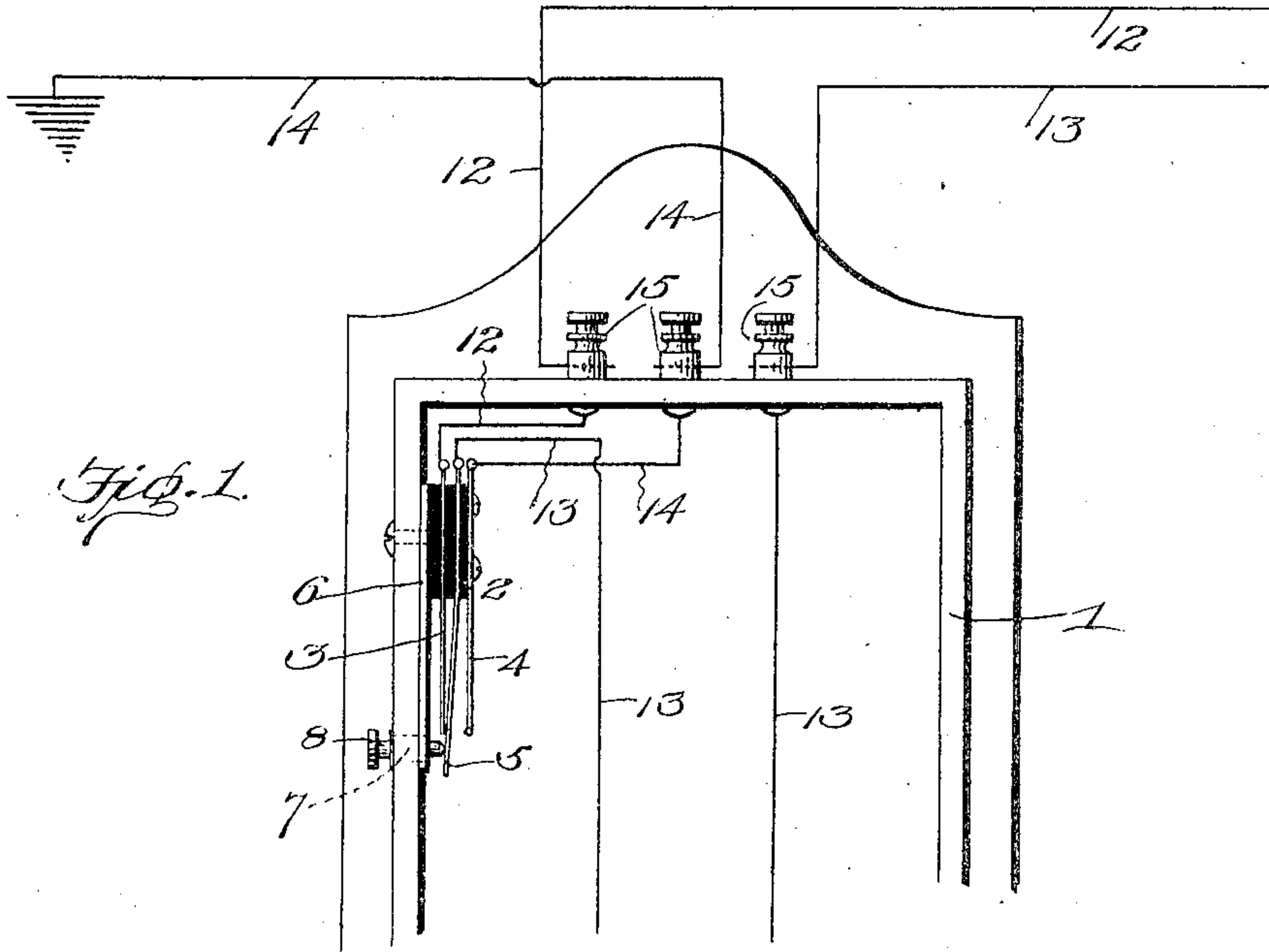


No. 807,626.

PATENTED DEC. 19, 1905.

G. H. MANNERS.
SIGNAL SWITCH.

APPLICATION FILED MAR. 2, 1905.



Witnesses
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GEORGE H. MANNERS, OF MURRAY, NEBRASKA.

SIGNAL-SWITCH.

No. 807,626.

Specification of Letters Patent.

Patented Dec. 19, 1905.

Application filed March 2, 1905. Serial No. 248,140.

To all whom it may concern:

Be it known that I, GEORGE H. MANNERS, a citizen of the United States, residing at Murray, in the county of Cass and State of Nebraska, have invented certain new and useful Improvements in Signal-Switches; and I do declare the following to be a full, clear, and exact description of the invention, such as it appertains to make and use the same.

This invention relates to improvements in signal-switches for telephones.

The object of the invention is to provide a spring-switch for party-line telephones, bridging type, and to install the same so that parties on the same line may signal each other without signaling central or may signal central without ringing the bells on the party-lines.

With the foregoing and other objects in view the invention consists in certain novel features of construction, combination, and arrangement of parts, as will be hereinafter more fully described, and particularly pointed out in the appended claim.

In the accompanying drawings, Figure 1 is a diagrammatic view showing the arrangement of the switch and the disposition of the wires at the telephone box or cabinet, and Fig. 2 is an enlarged detail sectional view through a portion of a telephone-box and the switch.

Referring more particularly to the drawings, 1 denotes the telephone-box, within which and preferably attached to the side on which the receiver-hook hangs is located the switch 2, comprising two central plates or blades 3 and 4 and a spring-switch blade 5, arranged between the blades 3 and 4, the blades 3, 4, and 5 being suitably insulated apart at their upper ends and mounted upon a plate 6, which is connected to the side of the telephone-box. On the lower end of the plate 6 is formed a sleeve 7, which projects through the side of the telephone-box, and in said sleeve is slidably mounted a push-button 8, on which is formed an annular groove 9. Through one side of the sleeve is inserted a pin 10, which projects into the annular groove of the push-button and limits the movement of the same. The upper ends of switch-blades 3 and 5 are connected to the line-wires 12 and 13 of the metallic circuit, while the upper end of the blade 4 is connected with the ground-circuit wire 14, the current from each of said wires being carried

into the telephone-cabinet through suitable binding-posts 15, to which the same are connected, or in any other suitable manner.

The contact-blade 3 and the switch-blade 5 are normally in engagement, thus completing the metallic circuit. By pressing upon the push-button 8 the contact between the switch-blade 5 and the contact-blade 3 will be broken and the switch-blade 5 will be moved into contact with the contact-blade 4, thus completing the ground-circuit on which is located the bell at central, thereby ringing said bell, so that when a subscriber pushes the button 8 on his telephone he completes the ground-circuit with the central bell and his telephone, but with no other instrument of the line.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

A switch attachment for telephones comprising a contact-blade 3 connected with the metallic circuit, a contact-blade 4 connected with the ground-circuit, an interposing switch-blade 5 projecting beyond the contact-blades and connected to the metallic circuit of the telephone and normally in engagement with the contact-blade of the metallic circuit, thereby completing the same, said blades being suspended from an insulated support, a plate 6 having on its lower end a sleeve, a push-button 8 mounted in the sleeve, having an annular groove 9, a pin 10 in said sleeve serving to contact with the groove so as to regulate the movement of the switch-blade when contacting with the contact-blade, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

GEORGE H. MANNERS.

Witnesses:

JOHN H. COOK,
G. H. GILMORE.