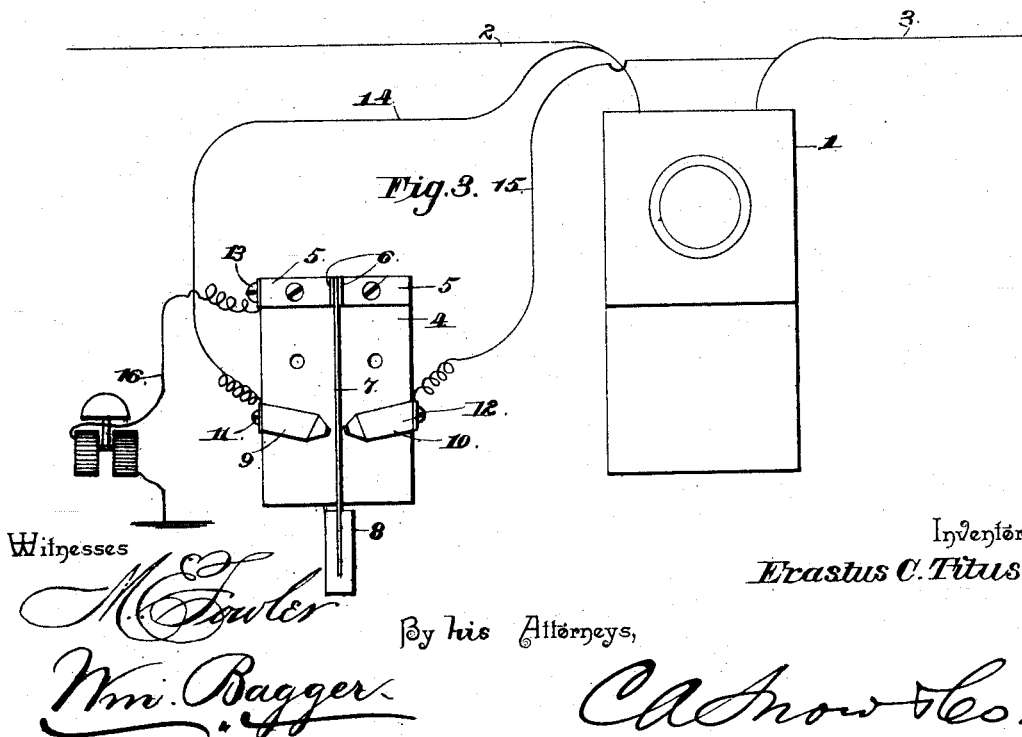
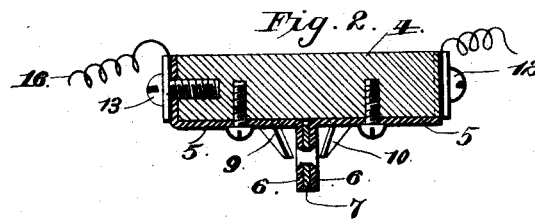
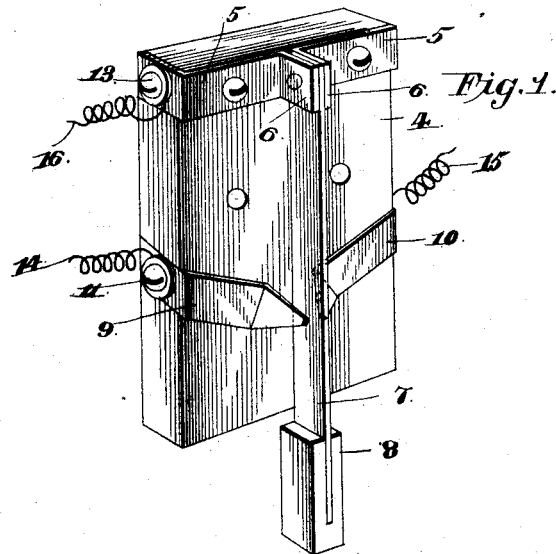


(No Model.)

E. C. TITUS.
TELEPHONE SWITCH.

No. 421,636.

Patented Feb. 18, 1890.



UNITED STATES PATENT OFFICE.

ERASTUS C. TITUS, OF CATSKILL, NEW YORK, ASSIGNOR OF ONE-HALF TO
HARRY M. C. VEDDER, OF SAME PLACE.

TELEPHONE-SWITCH.

SPECIFICATION forming part of Letters Patent No. 421,636, dated February 18, 1890.

Application filed September 3, 1889. Serial No. 322,871. (No model.)

To all whom it may concern:

Be it known that I, ERASTUS C. TITUS, a citizen of the United States, residing at Catskill, in the county of Greene and State of New York, have invented a new and useful Electrical Switch, of which the following is a specification.

This invention relates to an electrical switch adapted to be used in connection with combination telephone-lines for the purpose of cutting out that end or part of the line which it is not desired to use; and it has for its object to produce a switch of this kind which shall possess superior advantages in point of simplicity, durability, and general efficiency.

With these ends in view the invention consists in the improved construction, arrangement, and combination of parts, which will be hereinafter fully described, and particularly pointed out in the claim.

In the drawings hereto annexed, Figure 1 is a perspective view of my improved electric switch. Fig. 2 is a transverse sectional view of the same. Fig. 3 is an elevation of a telephone, showing also my improved switch in position for operation.

Like numerals of reference indicate like parts in all the figures.

1 designates a telephone, which is of ordinary construction, and 2 3 are the line-wires making connection with the same.

4 designates the switch-board, which may consist of a rectangular plate of insulating material, at one end of which are secured a pair of L-shaped plates 5 5, of some suitable metal, the upright pieces or bases of which face each other, as shown. Between the said bases 6 6 of the angle-plates 5 5 is riveted or otherwise secured the metallic spring-plate or switch 7, the lower end of which is provided with an insulating-handle 8.

9 and 10 represent a pair of contact-plates secured to the switch-board, near the lower end of the same, and having upturned contact-points adapted to be engaged by opposite sides of the switch 7, on opposite sides of which the said contact-plates are arranged.

The contact-plates are secured to the switch-board by means of the contact-screws 11 12, and one of the angle-plates 5, between which the elastic switch is secured, has a contact-screw 13.

The line-wires 2 3 are connected by branches 14 15 with the contact-screws 11 12 of the contact-plates 9 10, and the switch 7 is connected by the contact-screw 13 with a ground-wire 16.

The operation of this invention will be readily understood from the foregoing description, taken in connection with the drawings hereto annexed. When in using the telephone it is desired to communicate with a station upon the end 2 of the line-wire, the end 3 of the line-wire is grounded by pressing the elastic switch-lever 7 with the finger, so as to bring it in contact with the point of plate 10. Likewise, when it is desired to communicate with a station upon the end 3 of the line-wire, the switch 7 is made to contact with the point of plate 9, thus grounding the end 2 of the line-wire and cutting the stations upon that end of the line out of the circuit. When the telephone is not in use and the elastic switch 7 is released, it automatically resumes its position between the points of the contact-plates 9 10 and out of contact with either.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The combination of the switch-board, the angle-plates of conducting material secured to the same, the elastic switch-lever secured firmly between the said angle-plates, and the contact-plates secured to the switch-board on opposite sides of the said switch-lever and having upturned contact-points, substantially as and for the purpose herein set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

ERASTUS C. TITUS.

Witnesses:

HARRY HALL,
VAN PERSON.