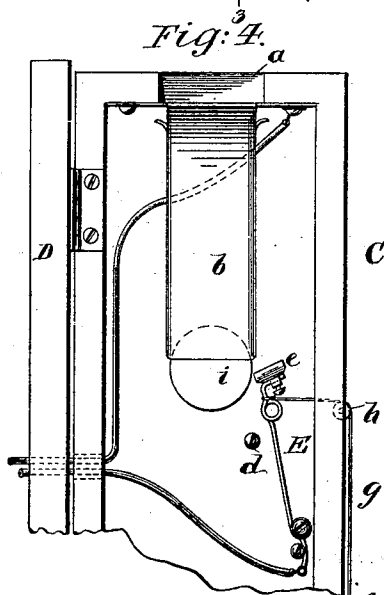
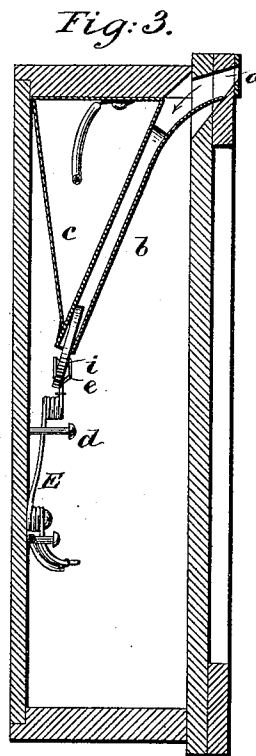
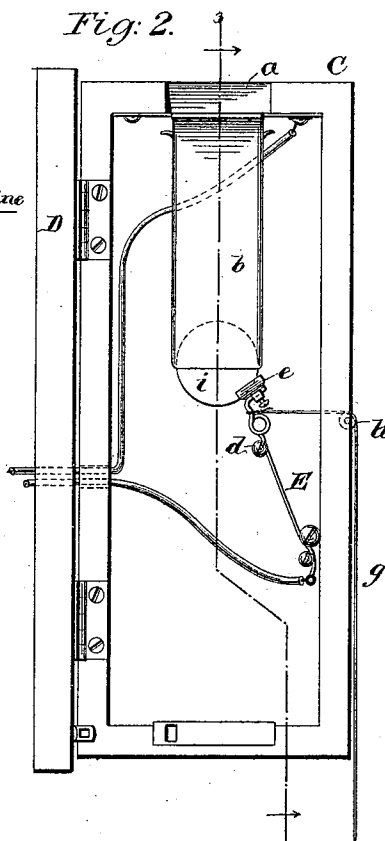
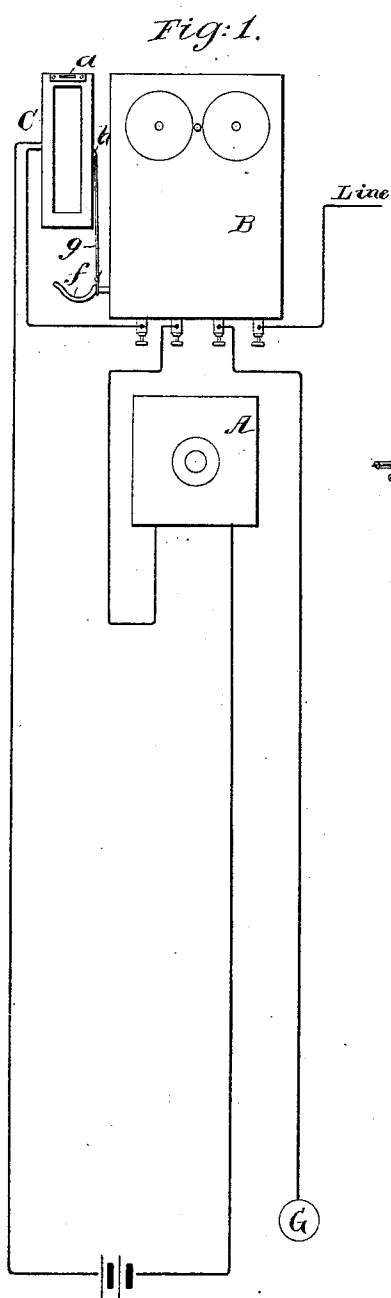


(No Model.)

C. F. BROWN.
COIN OPERATED TELEPHONE SWITCH.

No. 513,299.

Patented Jan. 23, 1894.



WITNESSES:
C. Sedgwick
E. M. Clark

INVENTOR
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ATTORNEYS.

UNITED STATES PATENT OFFICE.

CHARLES FREDERICK BROWN, OF YARMOUTH, CANADA.

COIN-OPERATED TELEPHONE-SWITCH.

SPECIFICATION forming part of Letters Patent No. 513,299, dated January 23, 1894.

Application filed April 29, 1893. Serial No. 472,366. (No model.)

To all whom it may concern:

Be it known that I, CHARLES FREDERICK BROWN, of Yarmouth, in the Province of Nova Scotia, Dominion of Canada, have invented a new and Improved Coin-Operated Telephone-Switch, of which the following is a specification, reference being had to the annexed drawings, forming a part thereof, in which—

Figure 1 is a diagrammatic view of the telephone transmitter and call box, showing the relation of my improved coin-operated switch to the parts of an ordinary telephone. Fig. 2 is a front elevation of the coin-operated switch, with the door open to show the interior. Fig. 3 is a vertical transverse section taken on line 3—3 in Fig. 2; and Fig. 4 is a front elevation with the door open, showing the switch open.

Similar letters of reference indicate corresponding parts in all the views.

The object of my invention is to construct a simple and effective coin-operated switch for attachment to ordinary telephone apparatus.

My invention consists in the construction and arrangement of parts hereinafter described and claimed.

The telephone transmitter A, and the telephone call box B are the same as those in common use and will therefore require no special description.

The casing C of the coin-operated switch is provided with a door D, having a coin slot *a* near the upper end thereof, and to the inner surface of the top of the casing is secured a coin chute *b*, which is stiffened by the brace *c*. The outer wall of the coin chute *b* is curved outward at its upper end to receive coins inserted in the slot *a*.

To the back of the casing is secured a spring arm E, which rests normally against the stop screw *d*, and the upper end of the spring arm E, is provided with a V-shaped end piece *e*, which is normally supported under the end of the coin chute *b*, so that when a coin is dropped into the said chute it will rest upon the end piece *e*, and the said end piece is inclined, to cause the coin dropped into the chute to wedge between one edge of

the chute and the V-shaped end piece *e*. The coin chute *b* and the spring arm E, are connected with terminals of a local circuit which include the gravity telephone switch *f*, and the free end of the spring arm E is connected with a cord *g*, which extends over a pulley *h* in the side of the casing and is attached to the gravity switch *f*.

My improved coin-operated switch is worked by first calling the central station, removing the receiving telephone from the gravity switch, then placing a coin in the slot *a*, which completes the local circuit through the coin chute, the coin *i* which lodges in the lower end of the chute and rests against the spring arm E, and the spring thereof, so that conversation may proceed. When the receiving telephone is replaced on the gravity switch *f*, the weight of the receiver draws down the cord *g*, which in turn pulls the spring arm E toward the side of the casing, thereby removing the support of the coin *i*, allowing it to drop. This operation leaves the local telephone circuit open, ready for another operation like that just described.

The casing C is provided with a lock by means of which the door D may be fastened, thus retaining the coins in the casing. From time to time the casing is unlocked and the coins removed by some authorized person.

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

1. In a coin-operated telephone switch, a coin chute forming part of the local circuit, a spring stop arm also forming a part of the local circuit, and held normally in the path of the coin dropped into the chute, and a mechanical connection between the said stop arm and the gravity switch, substantially as described, for operating the spring arm and releasing the coin, substantially as specified.

2. In a coin-operated telephone switch, the combination of the casing C provided with a coin slot *a*, the coin chute *b*, the spring arm E, a mechanical connection between said arm and the gravity switch extending at its free end across the path of the coin dropped into the chute and the electrical connections, substantially as specified.

3. In a coin-operated telephone switch, the combination of the casing C, provided with the door D having the coin slot *a*, the coin chute secured in the casing the spring arm
5 E, extending at its free end across the path of the coin dropped into the chute the cord *g* attached to the spring arm, and to the switch and the electrical connections, substantially as specified.
- 10 4. An attachment for telephones consisting in a casing provided with a coin chute, a spring arm mounted in the casing with its free end crossing the path of the coin dropped into
the chute; said chute and spring arm each having an electric wire connection adapted 15 to connect with the terminals of a local circuit and which includes the gravity telephone switch and a cord or flexible connection leading outwardly through the box from the spring arm to connect it with said switch, 20 substantially as set forth.

CHARLES FREDERICK BROWN.

Witnesses:

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