S. F. SCHOOLEY.

POLICE ALARM.

APPLICATION FILED JULY 28, 1915.

1,201,509

Patented Oct. 17, 1916.

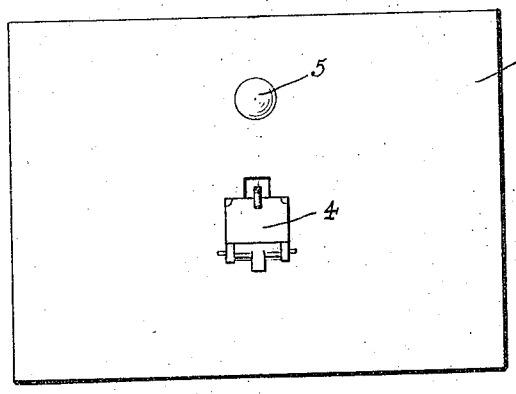
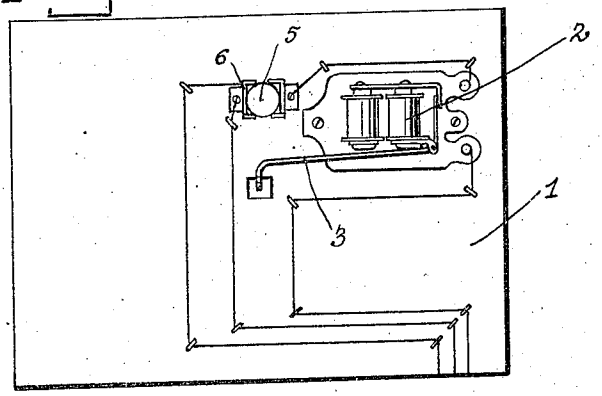


Fig. 1

Fig. 2



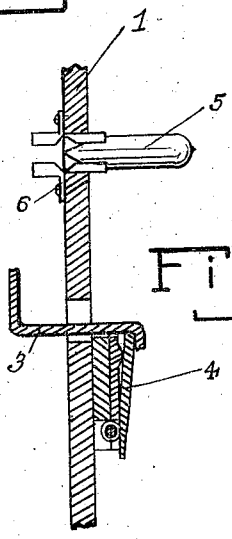


Fig. 3

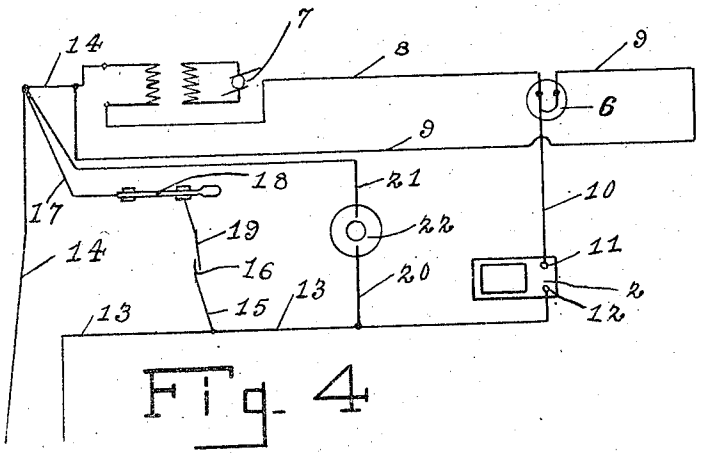


Fig. 4

Witnesses:

A. J. Stenner

F. A. Morris

Inventor

S. F. Schooley

By Crandles & Crandles

Attorneys

UNITED STATES PATENT OFFICE.

SARAH F. SCHOOLEY, OF McALESTER, OKLAHOMA.

POLICE-ALARM.

1,201,509. Specification of Letters Patent. Patented Oct. 17, 1916.

Application filed July 28, 1915. Serial No. 42,407.

To all whom it may concern:

Be it known that I, SARAH F. SCHOOLEY, a citizen of the United States, residing at McAlester, in the county of Pittsburg, State of Oklahoma, have invented certain new and useful Improvements in Police-Alarms; and I do hereby 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.

This invention relates to a police alarm.

An object of the invention resides in the provision of an electrically operated alarm for indicating, automatically, at a central station when a house, vault or the like is being entered or when the line wire leading from the house or vault is cut.

A further object of the invention resides in so constructing the device that manually operable means is provided for communicating with the central station.

With these and other objects in view such as will appear as my description progresses my invention comprises the combination and arrangement of parts as set forth in and falling within the scope of the appended claim.

In the drawings: Figure 1 is a front elevation of the receiving board in the central station; Fig. 2 is a rear elevation of the same; Fig. 3 is a vertical sectional view through the receiving board; and Fig. 4 is a diagrammatic view of the entire alarm system.

My device comprises, briefly, a receiving board in a central station on which board is mounted an electromagnet, a lamp and a drop signal. The lamp is included in one circuit and the electromagnet in another circuit, the lamp circuit being normally closed and the electromagnet circuit open so that the lamp will be continuously lighted and the electromagnet actuated to release the drop signal upon the closing of the circuit in which it is included. The electromagnet circuit is provided with a plurality of switches which may be located in a house, vault or the like and which may be operated either by the opening of a window or door or by the actuation of a push-button. The wires from the central station are included in a cable which passes from the central station to the house. Thus should this cable be cut and the electromagnet circuit broken the lamp at the central station will be extinguished because of the breaking of the circuit in which it is included.

Referring to the drawings wherein a specific embodiment of my invention is illustrated and wherein like parts are indicated by like characters throughout the several views: In the embodiment of the invention shown in the drawing a receiving board 1, which is located at the central station, is illustrated. Mounted on the rear face of this board is a buzzer 2, the armature 3 of which extends through the board and engages the upper edge of a drop signal 4. The armature is so arranged that when the buzzer is energized it will be moved to release the drop signal 4.

Extending from the forward face of the board 1 is a lamp 5 which is mounted in a socket 6 which extends from the rear face of the board. Located in the house is a source 7 of electrical energy which may be either a transformer as illustrated or batteries. A circuit passes from one pole of the transformer through a wire 8 to the lamp socket 6, through the lamp, and through a wire 9 back to the transformer. Thus the lamp will be continuously lighted when the circuit in which it is included is not broken. A second circuit passes from the source 7 through the wire 8, through the wire 10 to the binding post 11 of the electromagnet, through the electromagnet to the binding post 12, through the wire 13 and through a return wire 14 to the source 7. A wire 15 is connected to the wire 13 and to a contact 16 and a wire 17 is connected to the wire 14, and passes through a manually operable switch 18 to a switch blade 19 which blade is adapted to coöperate with the contact 16. Thus when the switch 18 is in and the switch blade 19 engages the contact 16, the electromagnet circuit will be closed, the electromagnet energized and the drop signal released. The number of the switch blades 19 and the contacts 16 is limited only by the number of windows or doors on which they are mounted and they may be installed on any or all of the windows and doors in a house. Thus the normally opened buzzer circuit may be closed by any of the switch blades 19 upon the raising of a window or the opening of a door.

In order that the buzzer circuit may be

manually closed I have extended a wire 20 from the wire 13 and a wire 21 from the wire 14 to a push-button 22 which may be installed in any convenient place. It is of course to be understood that the number of these push-buttons may be varied. When a number of these devices are in use the drop signals at the central station will have characters thereon which will indicate the house which is being entered and thus the location of the same greatly facilitated. Thus should a burgler enter a house in which this system is installed the electromagnet will be energized and the drop signal operated. Should the burglar cut the wires before entering the house however the lamp at the central station will be extinguished and the alarm thus given.

From the foregoing description it will be seen that I have provided a very simple and easily constructed alarm signal by means of which a residence, store or the like may be protected. I have provided means for automatically communicating with a central station when entering into a house has been effected by raising a window or opening a door and I have further provided means for communicating with the central station when the trunk line from the house to the central station is severed.

While I have illustrated a particular embodiment of my invention it is obvious that numerous changes may be made in the details of construction thereof and I, therefore, do not wish to be limited to that particular embodiment.

What I claim is:—

In an alarm system, the combination with a lamp and a source of electrical energy, of a circuit including a wire extending from said source to said lamp and a second wire extending from the lamp to said source, a drop signal, a catch for said drop signal, an electromagnet for releasing said catch and a circuit including a wire extending from said source, a switch in said wire, a wire extending from the magnet to the lamp socket and including also the second mentioned wire of the lamp circuit.

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

SARAH F. SCHOOLEY.

Witnesses:
W. T. Allen,
L. J. Dickenson.