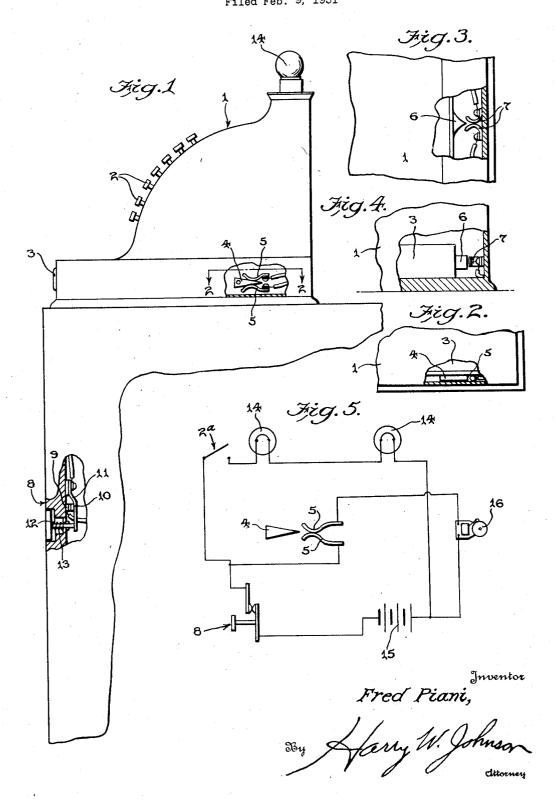
ALARMED CASH REGISTER
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ALARMED CASH REGISTER

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My invention relates to burglar alarms, more particularly to burglar alarms for use the electrical circuit comprised in my inon cash-registers and the like, and it consists in the combinations, constructions, and o arrangements herein shown and described.

tacles such as cash-registers and similer devices for containing the money used in their business have long recognized the desirabil-19 ity of having some means for giving an alarm, when said cash-register is operated by unauthorized persons, such as "hold-up" men, thieves and the like. It is, therefore a primary purpose of my invention to provide a burglar alarm that will automatically be operated, when such unauthorized person opens the cash register.

A further object of my invention is to provide a device of the type described that is 20 readily applicable to cash-registers of conventional construction, without great mod-

ification thereof.

A still further object of my invention is to provide a burglar alarm that will auto-25 matically be operated, when an unauthorized person operates the register equipped with the same, but which can be rendered inoperative by a simple operation, when an authorized operator uses the cash-register.

A still further object of my invention is to provide a device of the type described, which has few parts, is simple to manufac-ture, and does not get out of order easily. Other objects and advantages will appear

as the specification proceeds and the invention will be more particularly defined in the appended claim.

My device is illustrated in the accompanying drawing forming a part of this appli-

40 cation, in which

Figure 1 is an elevational view of a cashregister equipped with my invention, with parts broken away for clearness of illustra-

Figure 2 is a sectional view on line 2—2 of Figure 1,

Figure 3 is a fragmentary view of a modified portion of my device,

modification of Figure 3, and

Figure 5 is a schematic representation of vention.

In carrying out my invention I make use rangements herein shown and described. of an ordinary cash-register generally inStorekeepers and the like utilizing recepdicated at 1, and having keys 2, and a cashcles such as cash-registers and similer dedrawer 3. This cash-register is of that type of construction, which has keys for registering and a separate key or handle or similar member for opening the drawer.

In applying the control for the burglar alarm, which may be placed in a detective agency or be in the form of a siren to warn the police or in any other desired form or position, to the cash-register, I mount on the 65 side of the drawer thereof a tapered non-conductor, which is adapted to separate and maintain in separated position a pair of resilient contacts 5, when the drawer is in the closed position as shown most clearly in 70 Figure 1. These contacts are connected to the burglar alarm for energization of the circuit thereof, upon withdrawal of the nonconductor 4 on opening the drawer. Of course, the non-conductor and associated 75 contacts may be positioned on the bottom of the drawer 3, on the rear thereof or on either side, as desired, within the scope of my in-

In Figures 3 and 4 I show the automatic 80 switch mounted on the rear of the drawer. In this modification the tapered non-conductor is secured to the rear of the drawer and the contacts in the circuit of the alarm are fastened to the rear wall of the register.

For rendering the alarm inoperative, when the drawer of the register is opened by authorized operators, a cut-out switch is provided. This switch is generally indicated at 8. It may be positioned as shown for operation by the knee of an operator, for operation by his toe or for any other convenient mode of operation without departing from my invention. It comprises a pair of contacts 9 and 10, the contact 9 of which is secured stationarily to a fixed portion as shown, while the contact 10 comprises a resilient member 11 for supporting the same Figure 4 is a side elevational view of the description of Figure 3, and flexibly. The contacts are normally closed as shown, but are adapted to be operated

to the open position by the spring-pressed plunger 12, engaging with the member 11. The spring 13 normally urges the plunger 12 outwardly to keep the contacts 9 and 10 en-

5 gaged as shown.

For reminding the authorized operator to operate the switch 8 to render the alarm inoperative when opening the drawer of the register, I mount signals in the form of 10 lamps, one of which is shown at 14 in Figure 1, on the register for operation upon ing a plurality of keys and a drawer, an depression of the registering keys 2 by means of any suitable contact means controlled by said keys, (not shown). When these signals are energized the operator can then depress the plunger 12 to render the alarm inoperative. The signal means 14 and the keys 2 controlling the same are placed in circuit with the switch 8 as well 20 as the contacts 5 or 7 so that operation of the the alarm inoperative.

In the electrical circuit of my device shown in Figure 5, the current flows from 25 the source of power 15 through switch 8, contacts 5 or 7, the alarm 16 and back to the source of power; and from the source of power 15 through switch 8, switch 2a, signals 14 and back to the source of power

 30 $\widetilde{15}$. From the foregoing description the use and operation of my invention is easily understood. When the authorized operator desires to use the register by opening the drawer thereof, he simply depresses plunger 12 to open the circuit to the alarm, and operates the register, with the alarm in-operative. If he neglects to operate the witch 8, and depresses the registering key 2, the signals 14 will indicate to him that he has not opened the circuit, enabling him to operate switch 8 to the open position before pressing the key to open the drawer or with-45 drawing the same by a handle. When switch 8 is operated it deenergizes the circuit both to signals 14 as well as the alarm 16 thus indicating that the alarm is cut-out.

If an unauthorized user of the register $_{50}$ depresses a key and then opens the drawer, he will carry out these operations without first operating the switch 8 of which he is ignorant, thus setting off the alarm as well as lighting the lamps 14 to further indicate 55 illegal entry into the register.

It can be easily understood that authorized users will become accustomed to depress the plunger 12, when operating the register

in the same manner that automobile drivers 60 become used to operating a clutch, when working the brakes.

It is thus seen that I have provided a burglar alarm that automatically gives a signal when a cash-register is illegally en-65 tered, but which may be easily operated by

a legitimate user to the off position, when

the register is in normal use.

It is also seen that I have provided a burglar alarm that is readily applicable to registers of conventional construction, and 70 which consists of a minimum number of parts requiring simple operations in use.

What I desire to claim and secure by

Letters Patent is:

In combination with a cash register hav- 75 electrical circuit, a switch in said circuit operable by any one of said keys, an electrically operated signal in said circuit, a second electrical circuit, an alarm in said 80 second circuit, a switch in said second circuit operable by the opening of the drawer in said cash register to cause the sounding of said alarm, a switch the operation of which makes both circuits inoperable and 85 plunger 12 renders both the signals 14 and a special key for operating said last named switch.

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