N. R. LIPPINCOTT.

ILLUMINATOR FOR CASH REGISTERS.

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1,143,290.

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FIG. 1

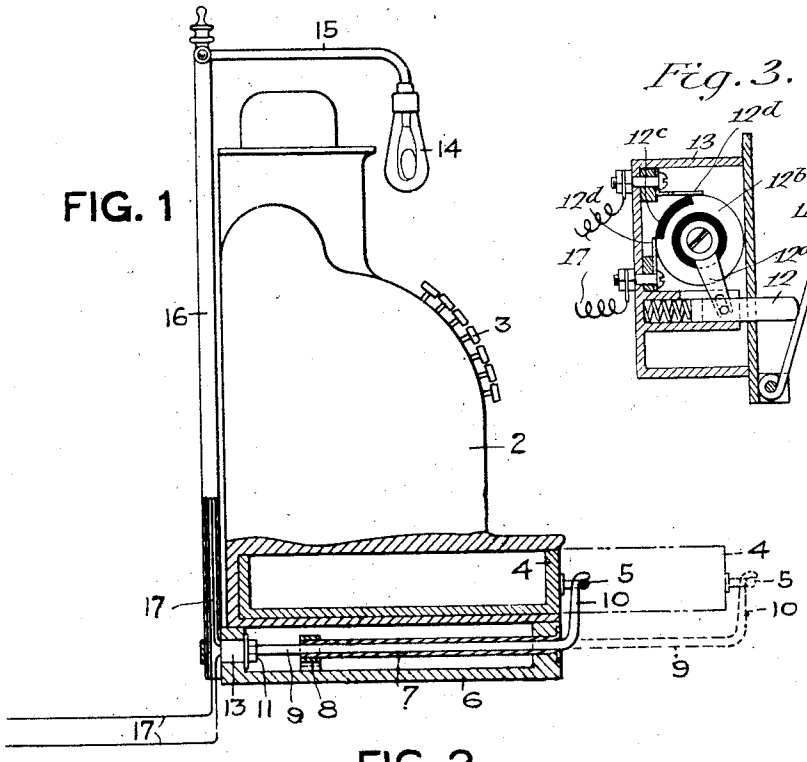
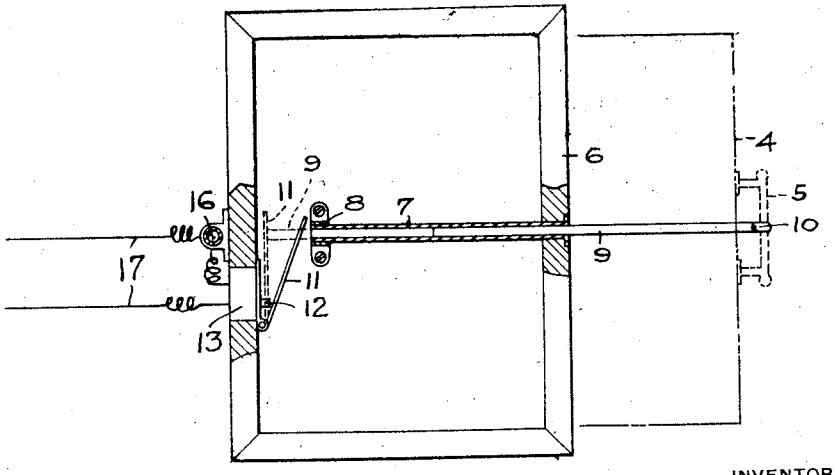


Fig. 3.

FIG. 2



WITNESSES

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ILLUMINATOR FOR CASH-REGISTERS.

1,143,290. Specification of Letters Patent. Patented June 15, 1915.

Application filed February 21, 1914. Serial No. 820,289.

To all whom it may concern:

Be it known that I, NORMAN R. LIPPINCOTT, a citizen of the United States, and resident of Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Illuminators for Cash-Registers; and I do hereby declare the following to be a full, clear, and exact description thereof.

The object of my invention is to provide an illuminator-attachment for cash-registers, which is adapted for use in connection with any style or make of cash-register which is provided with a drawer, so that no reconstruction or change is required in the cash-register to which it is applied.

To these ends my invention comprises, generally stated, a base or support upon which the cash-register is to rest, an electric-lamp carried by said base, and mechanism adapted to be connected up with the drawer, whereby upon the opening of the drawer the circuit is completed to the lamp to illuminate the same and when the drawer is closed the circuit is broken to extinguish said lamp.

In the accompanying drawing, Figure 1 is a side elevation of a cash-register and my improved attachment; the lower part of the cash-register and the attachment being shown in section; Fig. 2 is a plan view of the attachment partly in section and Fig. 3 is an enlarged sectional view of the switch mechanism.

In the drawing, the numeral 2 designates a cash-register of any desired construction provided with the keys 3, the drawer 4 and the other parts which go to make up such a cash register, but which are not necessary to be illustrated in describing my invention. The drawer 4 is operated in the ordinary manner by the operation of the keys 3 and the said drawer is provided with a suitable handle 5.

The illuminator-attachment comprises the base 6 upon which the cash-register 2 rests, and said base is provided with the guide-tube 7 fitted in the front of the base and extending inwardly and supported by the bracket 8 at its inner end. Within the tubular guide 7 is the rod 9, the outer end of said rod having the upwardly extending portion 10 which is adapted to engage the handle 5 of the drawer. The handle 5 forms a convenient means of engagement for the upwardly extending portion 10 of the rod 9, but I do not wish to limit myself in any way to this particular manner of engaging the drawer as any engagement of the rod 9 with the drawer so that the rod will be operated by the movement of the drawer, I claim as coming within the scope of my invention. The inner end of the rod 9 is adapted to engage the hinge-member 11 of a suitable switch operating device. This is a common form of device used in closet doors where an electric-light is illuminated by the opening of the door which completes the circuit and when the door is closed, the circuit is broken and the light extinguished. Accordingly the member 11 engages the button 12 of the switch 13, and said switch makes and breaks the circuit to the lamp 14, which is carried by the overhanging arm 15 which in turn is supported by the post or standard 16 carried by the base 6. The switch illustrated is of a simple form, the button 12 being connected up to the arm 12^a. This arm is connected to the disk 12^b, said disk having the insulation 12^c secured in its periphery. The contacts 12^d bear against the periphery of the disk 12^b, and as the button 12 is forced inwardly the disk is rotated and the contacts 12^d come in contact with the insulation 12^c and so cut off the current. When, however, the pressure on the hinge-member 11 is removed the button 12 is forced outwardly, and the contacts 12^d come into engagement with the non-insulated portion of the disk 12^b and complete the circuit. The wires 17 pass up through the standard 16 and through the arm 15 to the lamp 14 and the switch 13 makes and breaks the circuit according to the position of the drawer 4.

When one of the keys of the cash-register is operated, the drawer usually moves outwardly automatically and by its engagement with the rod 9 said rod is also moved outward. I have not deemed it necessary to illustrate the automatic device for opening the drawer, as that is not absolutely necessary as the drawer may be opened by hand. The hinge-member 11 is allowed to move outwardly thereby operating the switch 13 to complete the circuit to the lamps and the lamps are lighted. When, however, the drawer is returned to its normal position, the rod 9 comes into engagement with the hinge-member 11 and moves said member to the position indicated in dotted lines Fig. 2, which operates the switch 13 to break the

circuit to the lamps, and the lamps are accordingly extinguished.

By my invention I provide a simple form of illuminator-attachment which is applicable for use in connection with any kind of a cash-register, which has a drawer, and which simply requires the cash-register to be placed in position on the base piece there being no permanent connection between the register and the base piece, so that no reconstruction of the cash-register is required to adapt it to my improved attachment. The only requirement is that there be some engagement between the switch operating mechanism and the drawer, so as to provide for the operation of the switch to illuminate the lamps when the drawer is open and extinguish the same when the drawer is closed.

The device is simple in construction and any one can make the necessary engagement of the parts to give the desired result without calling in the aid of electricians or any other mechanics, and furthermore the simplicity of the device reduces the liability of its getting out of order.

What I claim is:

1. An illuminator-attachment for cash-registers or like devices having drawers, comprising a base-piece upon which the register is adapted to rest, an electric-lamp supported from said base, a switch, and switch operating mechanism in said base piece operated by the movement of the drawer.

2. An illuminator-attachment for cash-registers or like devices having drawers, comprising a base on which the cash-register is adapted to rest, an electric-lamp carried by said base, a switch in said base, a movable switch operating rod in said base, and connections between said rod and the drawer of the register.

3. An illuminator-attachment for cash-registers having drawers comprising a base on which the register is adapted to rest, a post supported by said base, an arm carried by said post, an electric-lamp carried by said arm, a switch in said base, and switch operating mechanism in said base operated by the movement of the drawer of the register.

4. An illuminator-attachment for cash-registers or like devices having drawers comprising a base on which the register is adapted to rest, an electric-lamp carried by said base, a switch, and a movable switch operating rod in said base, said rod having an extension engaging the handle of the register-drawer.

5. An illuminator-attachment for cash-registers and like devices having drawers comprising a suitable base on which the register is adapted to rest, an electric-lamp carried by said base, a switch, a tubular guide in said base, a switch operating rod movable in said guide, and connections between said rod and the drawer of the register.

6. An illuminator-attachment for cash-registers and like devices having drawers comprising a suitable base on which the register is adapted to rest, electric-light wires carried by said base, a switch, and a switch operating mechanism in said base piece operated by the movement of the drawer.

In testimony whereof, I the said NORMAN R. LIPPINCOTT, have hereunto set my hand.

NORMAN R. LIPPINCOTT.

Witnesses:

JOHN F. WILL,

JOHN R. KELLER.