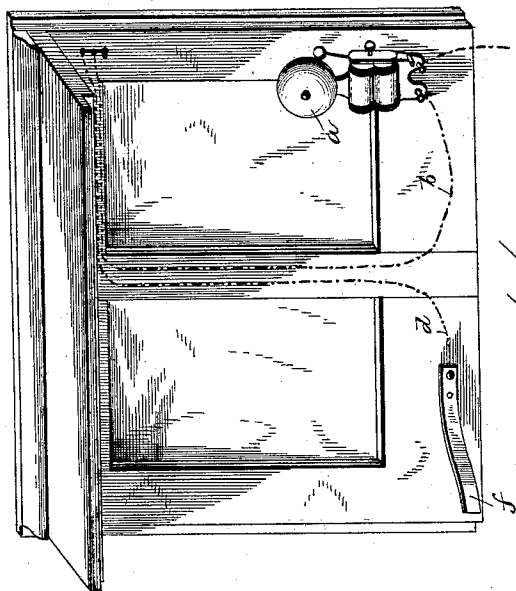


(No Model.)

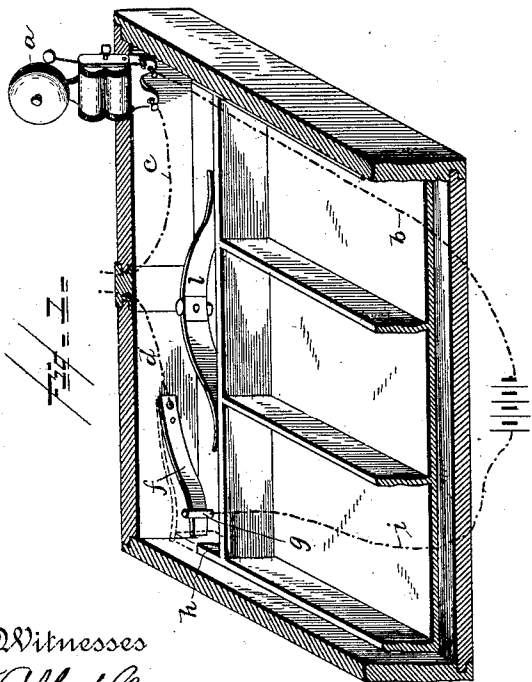
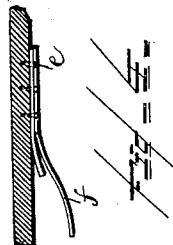
J. M. SCHMIDT.
ALARM.

No. 408,992.

Patented Aug. 13, 1889.

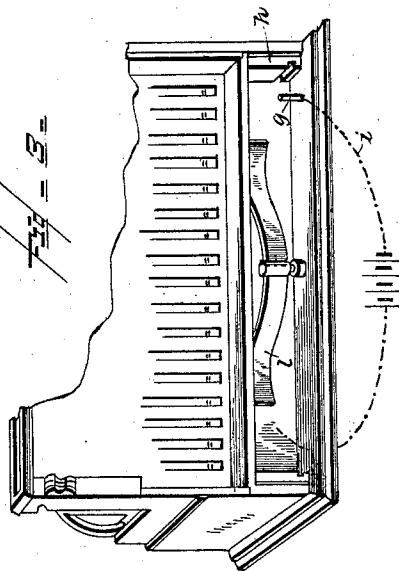


~~Fig. 2~~



Witnesses
Albert F. Reid.
E. H. Bond.

~~Fig. 4~~



Inventor
John M. Schmidt.
By *his* Attorney
Chas. H. Fowler

UNITED STATES PATENT OFFICE.

JOHN MATTHIAS SCHMIDT, OF SAGINAW, MICHIGAN.

ALARM.

SPECIFICATION forming part of Letters Patent No. 408,992, dated August 13, 1889.

Application filed September 13, 1888. Serial No. 285,323. (No model.)

To all whom it may concern:

Be it known that I, JOHN MATTHIAS SCHMIDT, of the city of Saginaw, in the county of Saginaw, in the State of Michigan, have invented a new mode of applying an electric bell to a cash-register or cash-indicator for the purpose of calling the attention of the public to the cash-register or cash-indicator while the same is operated, and to give a continuous bell-alarm when the cash-drawer of a cash-register or cash-indicator is left open; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in providing a cash-register or cash-indicator with an electric bell, battery, and switch so connected with wire that the opening of the cash-drawer of a cash-register or cash-indicator will close the circuit, and thereby give a continuous alarm as long as the cash-drawer of a cash-register or cash-indicator is open, and that the closing of the cash-drawer of a cash-register or cash-indicator will open the circuit and stop the bell from ringing as long as the cash-drawer is closed.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I take off the back of the cabinet inclosing the cash-register or cash-indicator, as shown in Figure 3, and to the inside of this back, as shown in Fig. 2, I fasten an electric bell *a*. To this bell I attach wire *b*, which passes through the bottom of the cabinet inclosing said cash-register or cash-indicator, as shown in Figs. 1 and 3, and is attached to the battery. Wire *c* is also fastened to bell *a*, as in Figs. 1 and 2, and is connected with wire *d* or disconnected from wire *d* by means of a switch fastened to the inside of the cabinet of said cash-register or cash-indicator at a point where it can be operated when the front lid of said cabinet inclosing the cash-register or cash-indicator is open. Wire *d* is fastened to the metal spring *f* at point E, as in Figs. 1

and 2. Metal spring *f* is fastened to the inside of the back of the cabinet inclosing said cash-register or cash-indicator, as in Figs. 1, 2, and 4. Metal post *g* is fastened to the bottom of the cabinet inclosing the cash-register or cash-indicator, as shown in Figs. 1 and 3, to which is fastened wire *i*, which passes through the bottom of the cabinet inclosing the cash-register or cash-indicator to the battery, and is attached to the same, as in Figs. 1 and 3. The dotted lines in Fig. 1 represent metal spring *f* and the extension *h* of the cash-drawer. When the cash-drawer is closed, the metal spring *f* is pressed back and away from metal post *g* by the extension of the cash-drawer *h*. When the cash-drawer is open, extension *h* of cash-drawer allows metal spring *f* to come forward and in contact with metal post *g*, thereby completing the electric circuit, and causing the bell to ring as long as metal spring *f* is in contact with metal post *g*, and the switch-connecting wires *d* and *c* are closed and the back of the cabinet inclosing the cash-register or cash-indicator is again fastened to the cabinet.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination, with the cabinet and the post *g* therein between the spring and the rear end of the drawer, of the flat spring secured at one end with its other end normally in contact with said post, electrical connections, substantially as described, between said spring and post and the bell, and the sliding drawer formed with extension *h*, adapted to contact with the free end of the spring and move it away from the post when the drawer is closed, and the spring *i*, acting on the rear end of the drawer to force it outward, substantially as shown and described, and for the purpose specified.

Witness my hand this 7th day of September, 1888.

J. MATTHIAS SCHMIDT.

Witnesses:

D. W. LE VALLEY,
FRED A. KING.