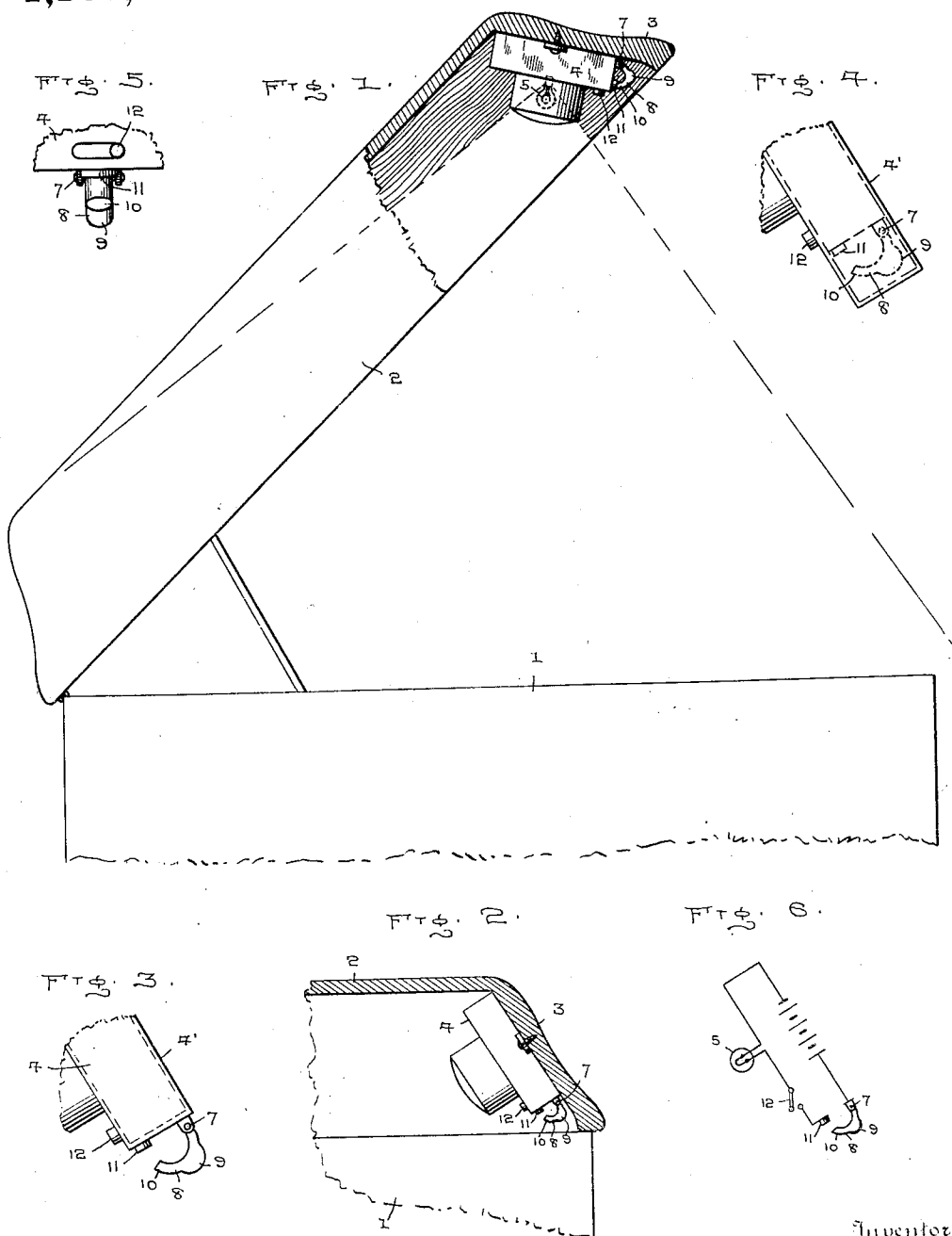


H. J. LUTZ.
ILLUMINATING DEVICE.
APPLICATION FILED NOV. 4, 1915.

1,189,592.

Patented July 4, 1916.



Witness
Thos. W. Riley

Inventor
H. J. Lutz

By *Carl R. Singleton*
Attorney

UNITED STATES PATENT OFFICE.

HARRY J. LUTZ, OF WHEELING, WEST VIRGINIA.

ILLUMINATING DEVICE.

1,189,592.

Specification of Letters Patent.

Patented July 4, 1916.

Application filed November 4, 1915. Serial No. 59,576.

To all whom it may concern:

Be it known that I, HARRY J. LUTZ, a citizen of the United States, residing at Wheeling, in the county of Ohio and State of West Virginia, have invented certain new and useful Improvements in Illuminating Devices, of which the following is a specification.

My invention consists in a new and useful improvement in illuminating devices for use in receptacles, adapted to illuminate the interior of the receptacle, automatically, when the latter is opened. While the device is applicable to receptacles of various kinds, it is especially adapted for the illumination of the interior of cabinets containing graphophone mechanism.

The invention is fully illustrated in the details of construction hereinafter pointed out.

In the drawings: Figure 1 is an end view of the device applied to a receptacle, the top of which is opened and indicated partly in section, showing the parts in position to illuminate the interior of the receptacle. Fig. 2 is a similar view of the device, the top closed and indicated partly in section, showing the parts in normal position. Fig. 3 is a detail end view of the contact device, showing the parts in the positions assumed when the cover is closed. Fig. 4 is a similar view indicating a modified form of cover for the battery container. Fig. 5 is a bottom view of a portion of the end indicated in Fig. 3. Fig. 6 is a diagrammatic view of the circuit.

In the drawings, a box, cabinet or receptacle of like nature, 1, is provided with a pivoted cover 2 having the outer end 3 to which is affixed a battery container 4 having the cover 4' and provided with a lamp 5 and a contact device, composed of a pivotal bearing 7, a pendant arm 8 pivoted therein and provided with an enlarged weighted portion 9 extending from one side of its diameter and a contact finger 10 extending from the other side, and a contact plate 11 so placed as to be in the path of the contact finger 10.

As indicated in Fig. 6, the electric circuit is arranged through the battery, lamp and contact device. Within the circuit there is placed a manually operated circuit breaker 12.

The illuminating device operates substan-

tially as follows: The parts being in the position indicated in Fig. 2, the circuit breaker 12 being closed, when the cover 2 is moved into the position indicated in Fig. 1 the end portion 3 changes the position of the battery container 4 so that the pendant arm 8 moves in the pivot bearing 7, bringing the finger 10 into contact with the plate 11, thus closing the circuit and lighting the lamp 5. If it is desired to break the circuit without changing the position of the cover 2, this may be done by the operation of the circuit breaker 12.

In Fig. 4 is shown a modification in the form of the cover 4' of the battery container 4 in which the contact device is inclosed within the cover 4'.

Having described my invention, what I claim is:

1. An illuminating device, consisting of an electric battery, an electric lamp, and, interposed within the circuit connecting them, a contact device, movably mounted, and comprising a pivot bearing provided with a pendant arm having a contact finger adapted to swing into contact with a contact plate to close the circuit, by gravity, when the contact device is moved.

2. An illuminating device, consisting of an electric battery, an electric lamp and, interposed within the circuit connecting them, a contact device attached to the pivoted cover of a receptacle and provided with a movable gravity-actuated member, rendered operative solely by the movement of the pivoted cover, to close the circuit, by gravity, when the pivoted cover is swung to a position opening the receptacle, and open the circuit, by gravity, when the pivoted cover is swung to a position closing the receptacle.

3. The combination of a receptacle provided with a pivoted cover, a source of electrical energy, a device operated by electrical energy and a contact device, mounted upon the pivoted cover, and provided with means operated by gravity and operating solely by the movement of the pivoted cover, for electrically connecting the source of electrical energy and the device operated by electrical energy.

4. The combination of a receptacle provided with a pivoted cover, a source of electrical energy, a device operated by electrical energy, and a contact device, carried by

the pivoted cover, and provided with a movable gravity-actuated member, operating solely by the movement of the pivoted cover.

- 5 The combination of a receptacle provided with a pivoted cover, a source of electrical energy, a device operated by electrical energy, and a contact device, carried by the pivoted cover, and comprising a pivot bearing provided with a pendant arm having a contact finger adapted to engage with a contact plate, by gravity, when the pivoted

cover is swung to a position opening the receptacle, and adapted to swing out of engagement, by gravity, when the pivoted cover is returned to a position closing the receptacle.

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

HARRY J. LUTZ.

Witnesses:

THOS. S. HOPKINS,
CAESAR A. CARBALLO.