

M. WOITAS.
ALARM JEWEL CASE.
APPLICATION FILED NOV. 8, 1915.

1,234,847.

Patented July 31, 1917.
2 SHEETS—SHEET 1.

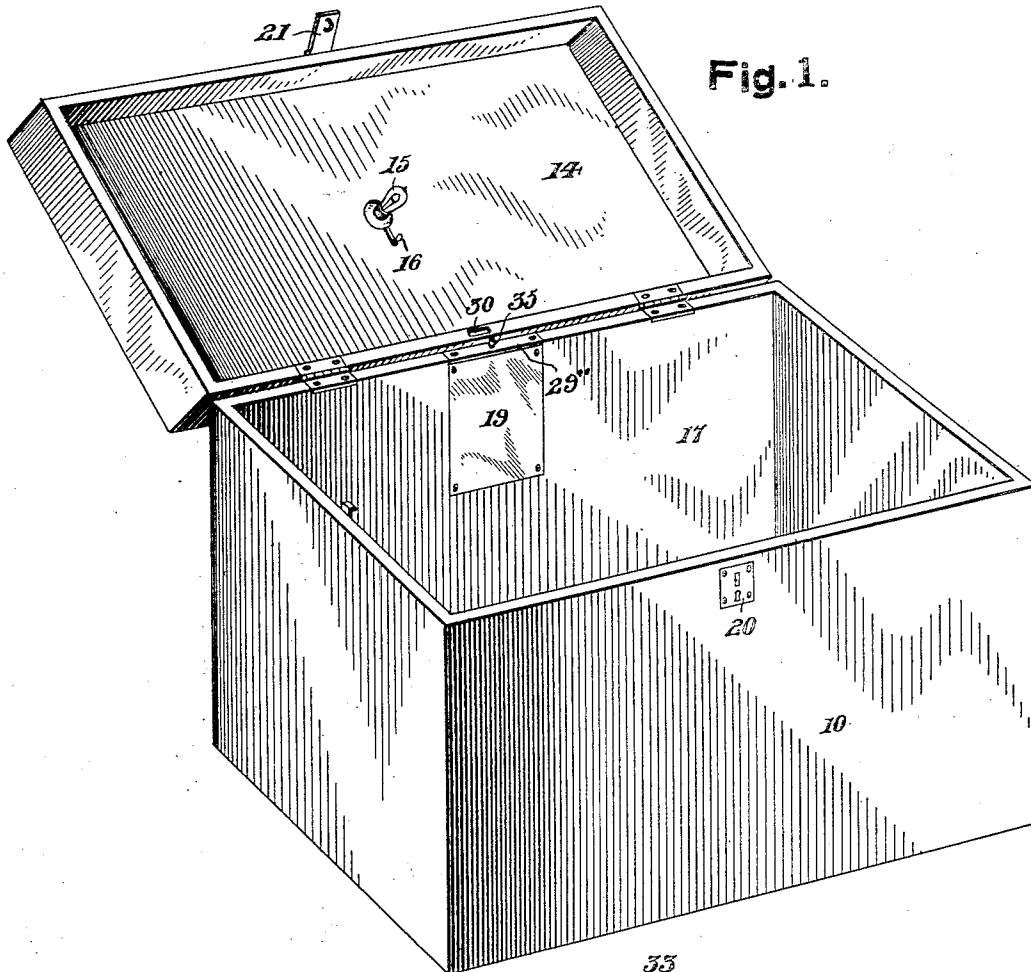


Fig. 1.

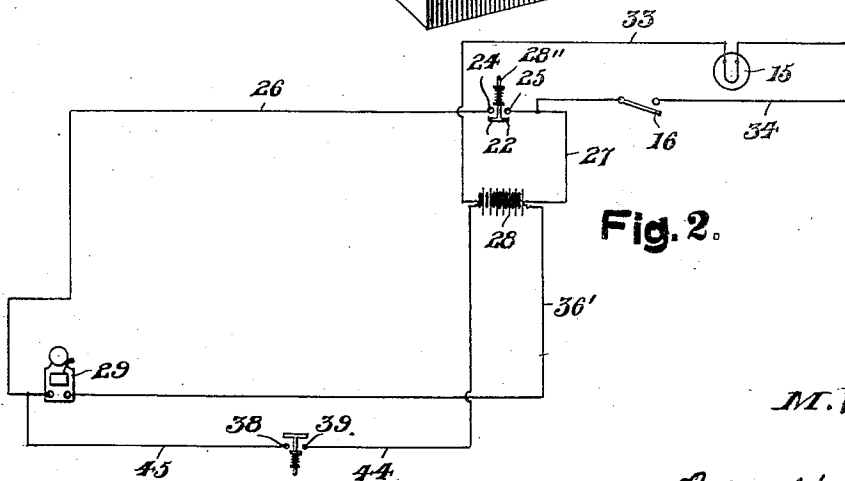


Fig. 2.

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2 SHEETS—SHEET 2.

Fig. 3.

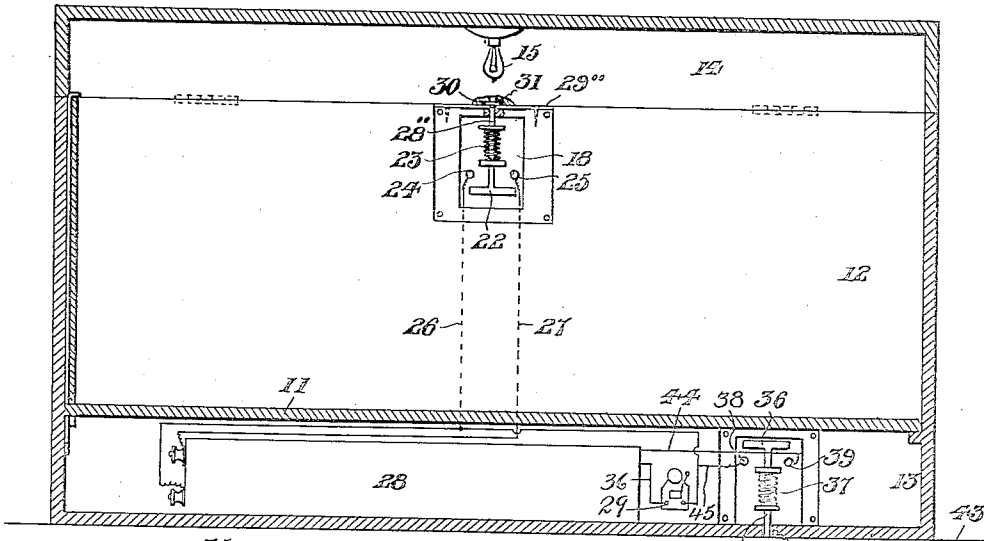


Fig. 4.

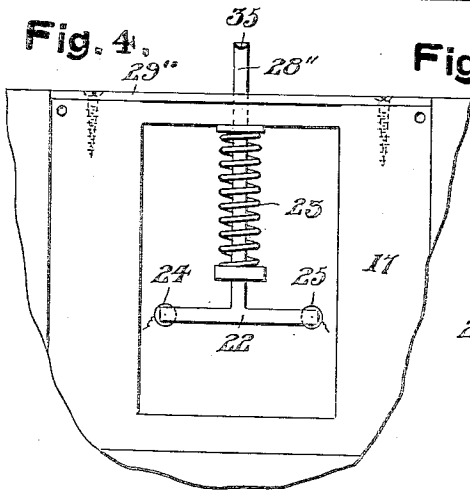


Fig. 5.

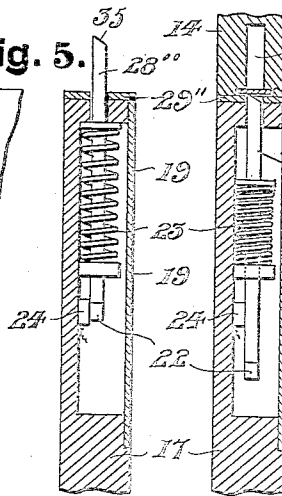


Fig. 6.

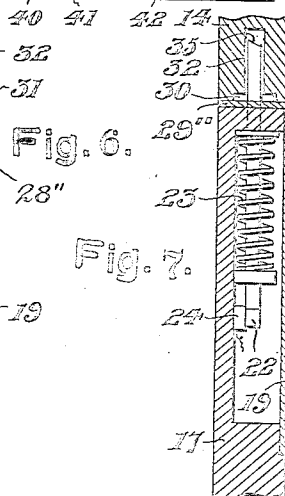


Fig. 7.

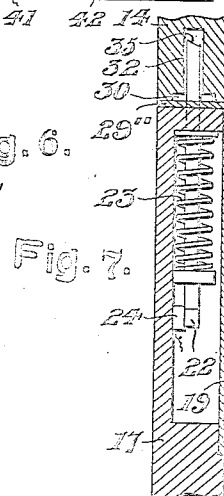
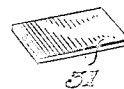


Fig. 8.



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UNITED STATES PATENT OFFICE.

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ALARM JEWEL-CASE.

1,234,847.

Specification of Letters Patent.

Patented July 31, 1917.

Application filed November 8, 1915. Serial No. 60,307.

To all whom it may concern:

Be it known that I, MATHEW WOITAS, a subject of the Emperor of Austria, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Alarm Jewel-Cases, of which the following is a specification.

This invention relates to certain new and useful improvements in alarm jewel cases.

The primary object of this invention is the provision of a case or box especially designed for holding valuables and so constructed that when the lid thereof is opened and the device elevated, an alarm is automatically sounded, while a manually operable alarm switch is also arranged within the box.

A further object of the device is to provide a jewel-box having a hinged closure lid and provided with an alarm mechanism, which may be set by the owner, so that upon opening the box an alarm will be sounded for giving notice that an unauthorized person presumably for the purpose of stealing the contents thereof has opened the same.

It is also contemplated to provide a jewel box having an alarm that may be set for automatic actuation upon opening the box and which will then continue sounding upon a subsequent closing thereof, the box also being arranged with means for automatically sounding the alarm upon elevating the box or upon manually actuating the switch.

With these general objects in view and others that will appear as the nature of the invention is better understood, the same consists in the novel combination and arrangement of parts hereinafter more fully described, illustrated in the accompanying drawings, and pointed out in the appended claim.

In the drawings forming a part of this application and in which like-designating characters refer to corresponding parts throughout the several views:—

Figure 1 is a perspective view of the device in its open position.

Fig. 2 is a diagrammatical view of an electric circuit employed with the device.

Fig. 3 is a longitudinal sectional view through the device in its closed position.

Fig. 4 is an elevational view of the inner face of the rear wall of the box showing the

switch mounted thereon with the switch plate removed.

Fig. 5 is a vertical sectional view thereof with the switch plate in position.

Fig. 6 is a similar view with the lid closed and the device in its set operative position.

Fig. 7 is a similar view with the said switch in its sprung closed position.

Fig. 8 is a perspective view of the setting plate.

In carrying out the invention, a box or case 10 is provided having a false bottom or partition 11 therein and dividing the same into a containing chamber 12 adapted for receiving jewels or other valuables and a base chamber 13 for containing some of the operative mechanism of the device. The box 10 is provided with a hinged closure lid 14 having an electric lamp 15 upon its inner side controlled by a switch 16.

The rear wall 17 of the box 10 is provided with a recess 18 within which an electric switch is positioned, the same being normally obscured from view by means of a cover plate 19, while a lining (not shown) may be provided in the box for overlying the plate 19. The box is preferably provided with a lock 20 and a hasp 21 is mounted upon the lid 14.

The switch within the recess 18 is in the form of a T-shaped contact member 22 provided with a compression spring 23 tending to close the switch 22 upon oppositely arranged terminals 24 and 25 of circuit wires 26 and 27. The operating arm portion 28 of the switch projects through an edge plate 29 of the box wall 17 in alignment with a slot 30 in the adjacent portion of the lid 14.

A battery 28 as well as an alarm bell 29 is positioned in the base chamber 13 of the box 10. A setting plate 31 is provided for seating within the slot 30 for retaining the switch 22 in its open position when the lid is closed and the switch is in its set position, it being noted that a socket 32 extends from the slot 30 for receiving the switch arm 28 when the plate 31 is removed.

The terminal 25 is connected to the battery 28 by means of the afore-mentioned wire 27, while the terminal 24 of the switch 22 is connected to the alarm bell 29 by the afore-mentioned wire 26. The lamp 15 is

provided with one wire 33 which is connected to the battery 28, while a further wire 34 connects the lamp 15 with the afore-mentioned battery wire 27 and the lamp switch 16 is positioned within the said circuit wire 34.

It will be thus seen that when the lid 14 is opened, the lamp 15 may be lighted by actuating the switch 16. When desired to set the switch 22, the plate 31 is positioned within the slot 30 and upon closing the lid 14 of the box 10, the plate 31 engages the upper inclined end 35 of the switch arm 28'', thus depressing the said arm and opening the switch 22, the said switch remaining open as long as the cover 14 is closed. A person desiring to remove the contents of the box opens the lid 14, thus releasing the switch arm 28'' and allowing the spring 23 to close the switch 22, thus connecting the terminals 24 and 25 and the circuit wires of the bell 29, it being understood that the said bell is connected by a wire 36' with the battery 28. When the switch 22 is thus actuated, the set plate 31 drops out of the slot 30, so that if the lid 14 is again closed, the switch 22 will remain in its closed position and the alarm bell 29 will continue to ring.

A switch 36 is provided in the base chamber 13 provided with a spring 37 tending to close the switch upon the terminals 38 and 39 and having an arm 40 extending through a perforation 41 in the bottom 42 of the box and whereby the switch is retained open when the box is seated upon a support such as the floor 43. The terminal 39 is connected to the battery 28 by a wire 44, while a wire 45 connects the terminal 38 with the bell wire 26. It will thus be seen that when the box 10 is positioned upon the floor, the switch 36 is opened, but when the box is elevated, the spring 37 moves the said switch to its closed position, so that the alarm bell 29 is sounded and remains ringing until the box is again de-

posited upon a support for again retracting the switch arm 40.

It will thus be seen that a jewel case is provided which will give an electrical alarm upon being elevated or carried away, while an alarm will also be sounded whenever the lid of the box is opened, while the mechanism is set, a manually operated alarm switch as well as a light switch being disclosed upon opening the box lid.

While the form of the invention herein shown and described is what is believed to be the preferred embodiment thereof, it is nevertheless to be understood that minor changes may be made therein without departing from the spirit and scope of the invention as claimed.

What is claimed as new is:—

In a jewel case, an electric circuit closer, including a contact-member resiliently seated therein, the closure of said jewel case having a socket, a stop-plate adapted to be seated loosely in said socket, said socket, with said top-plate, being positioned to align with said contact-member when said closure is lowered into closed position, whereby the contact-member will be forced out of electrical connection and no alarm be given, said closure-socket, with the contained stop-plate, being adapted, when the closure is lifted, to be taken out of alignment with said contact-member, and said stop-plate by gravity be displaced from said socket, whereby said contact-member will be released and brought into electrical connection and an alarm accordingly be given, said alarm being maintained irrespective of the closure being returned to its lowered position or being in raised position, as long as the stop-plate remains displaced.

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

MATHEW WOITAS.

Witnesses:

CHARLES W. NOVAK,
JOHN W. NOVAK.