

W. J. BASTEDO.  
FIRE ALARM ATTACHMENT.  
APPLICATION FILED APR. 19, 1909.

934,878.

Patented Sept. 21, 1909.  
2 SHEETS—SHEET 1

Fig. 1

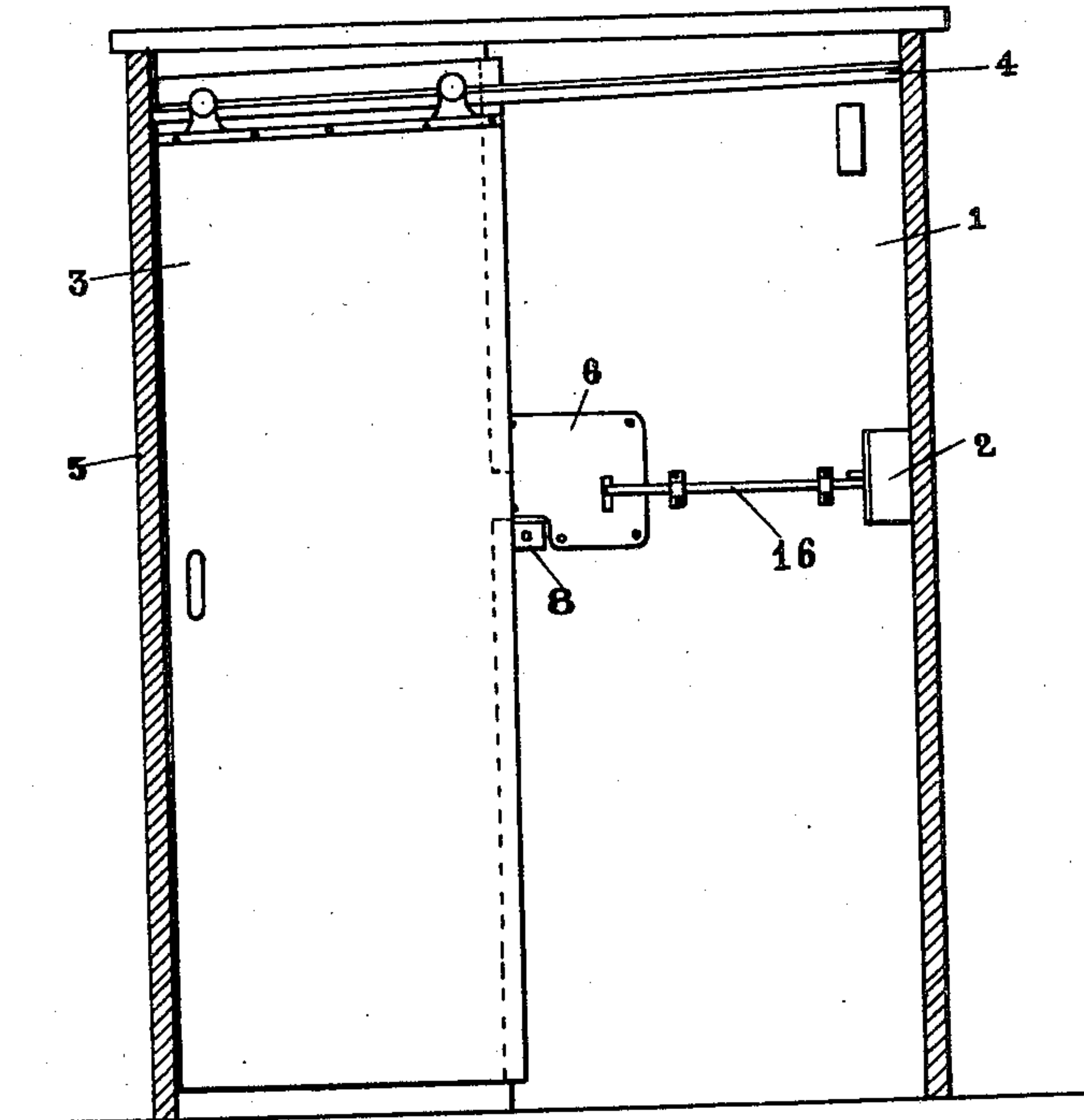
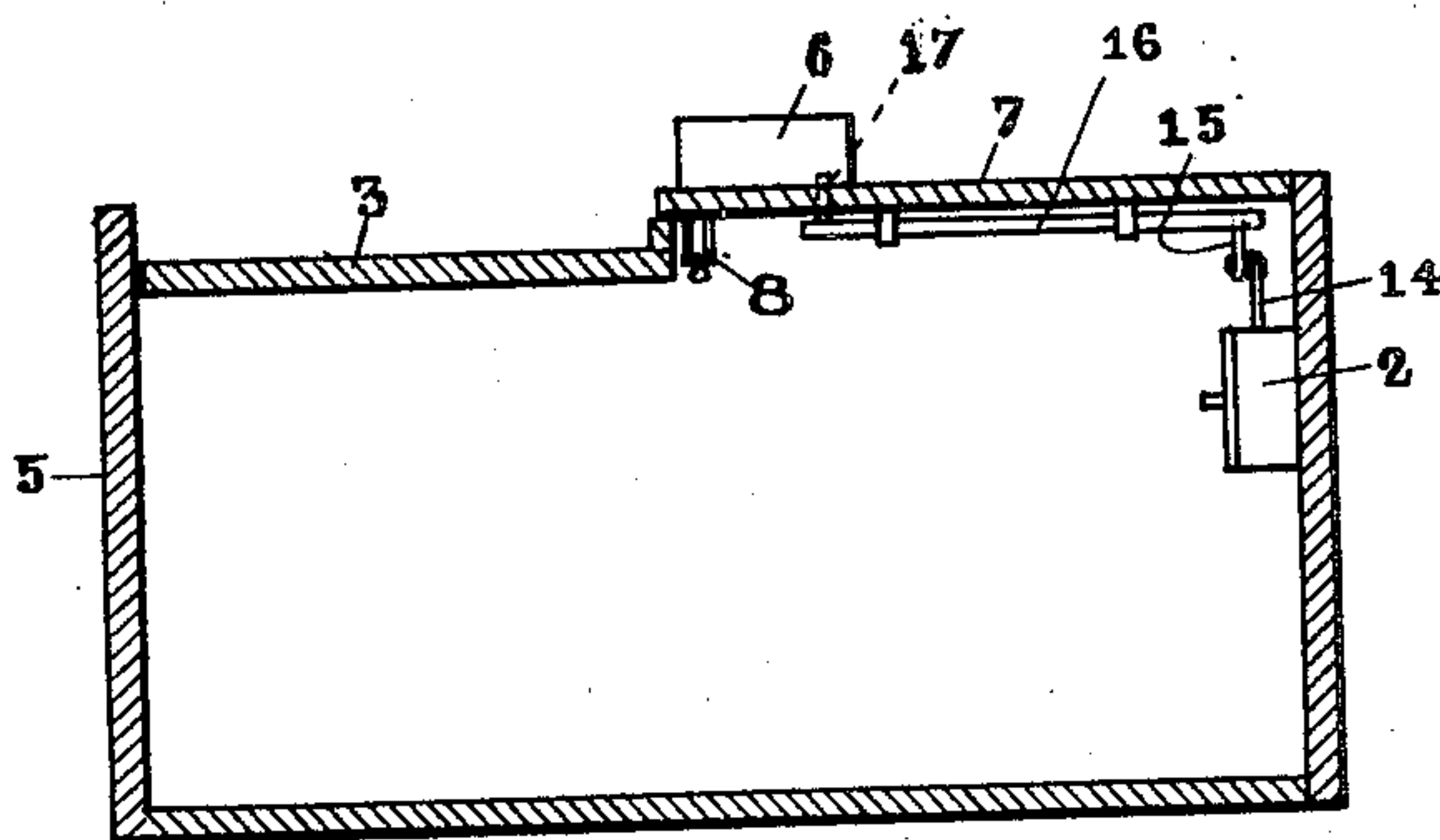


Fig. 2



WITNESSES:

A. M. Shannon.  
A. M. Lorr.

INVENTOR

WALTER J. BASTEDO

BY

*[Signature]*

ATTORNEYS

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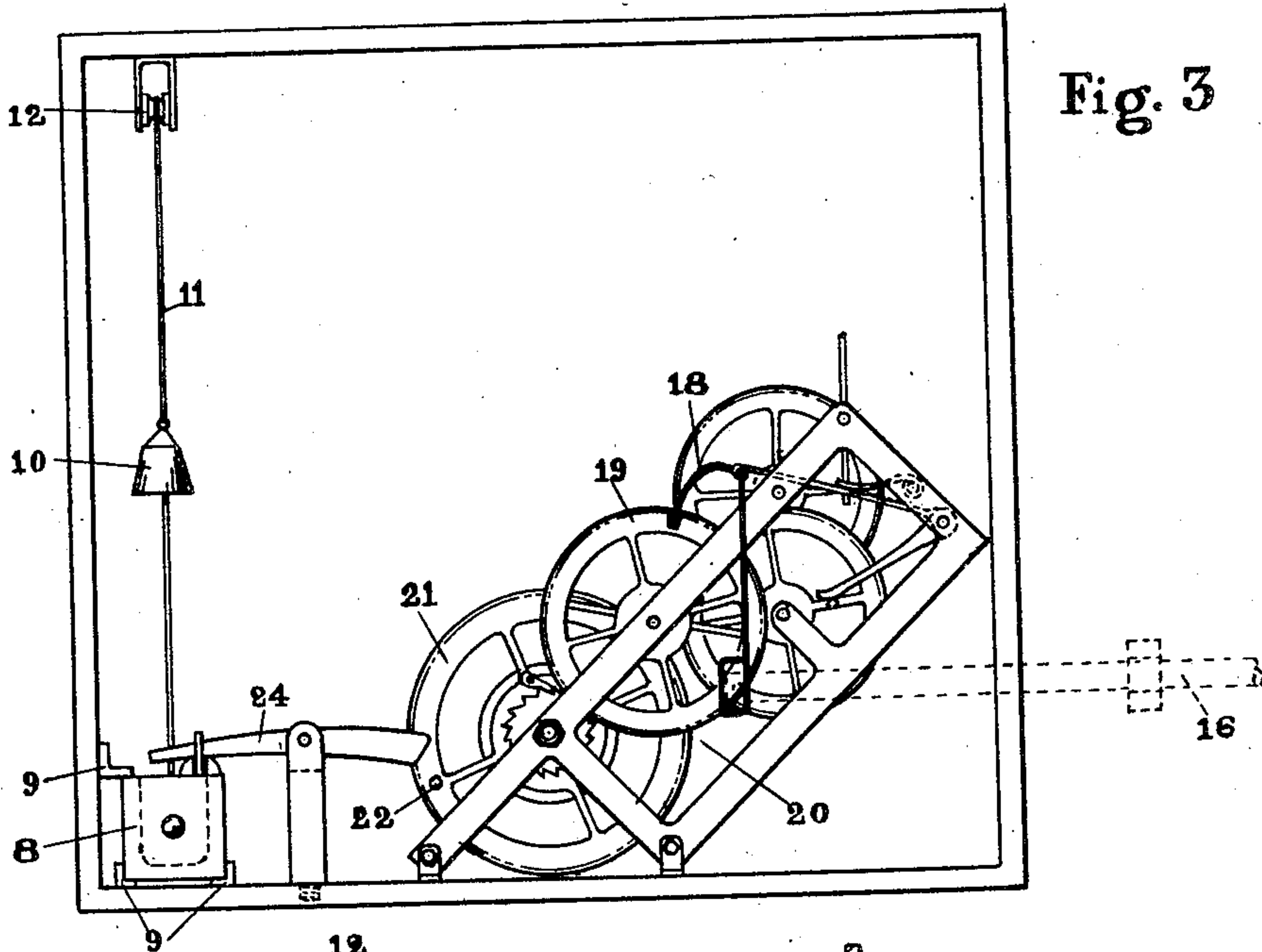


Fig. 3

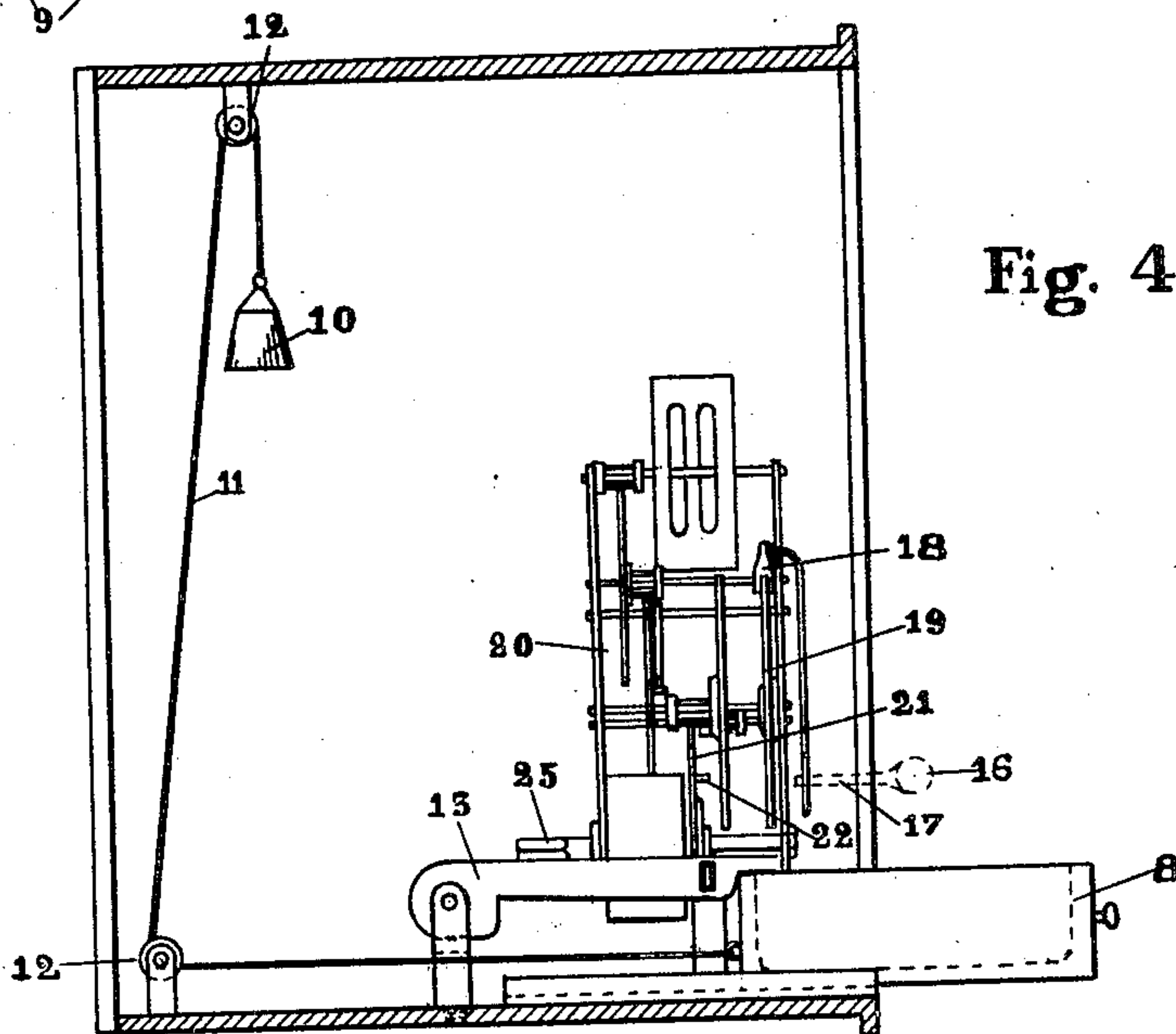


Fig. 4

WITNESSES:

A. M. Shannon.  
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# UNITED STATES PATENT OFFICE.

WALTER J. BASTEDO, OF FLINT, MICHIGAN.

## FIRE-ALARM ATTACHMENT.

934,878.

Specification of Letters Patent. Patented Sept. 21, 1909.

Application filed April 19, 1909. Serial No. 490,682.

*To all whom it may concern:*

Be it known that I, WALTER J. BASTEDO, a citizen of the United States of America, residing at Flint, in the county of Genesee and State of Michigan, have invented certain new and useful Improvements in Fire-Alarm Attachments, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to an attachment for fire alarm boxes adapted to act as a safeguard against false alarms.

The invention consists in the matters hereinafter set forth, and more particularly pointed out in the appended claims.

In the drawings, Figure 1 is a view in elevation of a fire alarm booth equipped with a device embodying the invention. Fig. 2 is a plan view, partially in section, of the booth. Fig. 3 is a view in front elevation of a key drawer and detent mechanism, in closed or released position. Fig. 4 is a view in side elevation of the key drawer opened and the mechanism in locked position.

Referring to the drawings which show one arrangement of the apparatus, 1 indicates a fire alarm booth of the usual proportions, with a fire alarm box 2 of any standard type secured on the end wall thereof and a door 3 on the adjacent side hung on an inclined track 4, so that it normally remains closed against the wall 5 opposite the one on which the box 2 is located. A closed casing 6 accessible through an outer, locked door thereon, is inset in the side 7 of the box against which the door 3 hangs and a drawer 8, preferably a metal block hollowed on its upper face to hold the key to the fire alarm box, is slidably secured in suitable guides 9 therein so that when the drawer is pulled out, it lies in the path of the door and prevents the latter being opened until the drawer is pushed in, the door covering the casing 6 when it is open, and necessitating that a person allow the door to close behind him before he can pull the drawer out.

A weight 10 with suitably disposed cord 11 and sheaves 12, or a suitably disposed spring, normally holds the drawer closed. When it is pulled open, a latch 13 drops in behind it and prevents the drawer being closed. When the key is inserted in the fire alarm box, and turned, it depresses a lever 14 connected to a rock arm 15 on a tumbling rod 16 on the booth wall, which has a release finger 17 extending into a slot in the casing

6. The latter raises a detent 18 which is engaged by a notch in the rim of the wheel 19. The latter is one of a spring driven wheel train 20 resembling in general design a clock train, the details of construction thereof not being a salient feature of this invention. When the wheel is free of the detent 18, the train is at once set in motion by its spring barrel, and rotates a wheel 21 that has a stud 22 or like projection thereon which is adapted to periodically engage and depress one end of a bar 24 whose other extremity engages and consequently raises the latch 13. The drawer weight or spring at once pulls the drawer in, and allows the door to be opened. The detent 18, which is oscillated by a pitman, cam or the like after the manner of a clock escapement, drops into the notch of the wheel 20 when the latter returns to register with the detent.

The mechanism may be wound up by applying a key to a spindle 25, of the train, and the latter may be arranged so that the custodian of the apparatus may open the casing 6 from outside the booth.

In operation, the detent mechanism is set for each booth in which it is placed so that it releases the drawer, and consequently the booth door, at about the time fire apparatus would reach the booth in response to an alarm sounded therefrom. Thus a person entering the booth and pulling the alarm is detained by the locked door until the proper officials are on the spot. Persons with whom the key to the box is regularly left would not be detained, but persons who attempted to sound a false alarm would be unable to escape without detection.

Obviously, changes in the details of construction may be made without departing from the spirit of the invention and I do not care to limit myself to any particular form or arrangement of parts.

What I claim as my invention is:—

1. The combination with a fire alarm booth having a door, and a fire alarm box of conventional type, of a holder on the booth wall for the alarm box key adapted to be shielded by the door when the latter is open, and to lock the door when the door is closed and the holder opened, a latch adapted to automatically engage the key holder and keep it in opened position, means adapted to automatically return the holder to closed position when disengaged by the latch, and time mechanism for releasing the latch



adapted to be set in action by insertion of the key in the box.

2. The combination with a fire alarm booth, a door closing the booth and a fire alarm box of conventional type of a holder on the booth wall for the alarm box key, adapted to be shielded by the door when the latter is open and to lock the door when the latter is closed and the holder opened, a latch adapted to automatically engage the key holder when it is in opened position and lock it in said position, means adapted to automatically return the holder to closed position when the latter is disengaged by the latch, time mechanism adapted to release the latch and a member extending from the fire alarm box adapted when moved by insertion of a key on the box, to release the time mechanism.

3. The combination with a fire alarm booth, a door closing the booth and a fire alarm box of conventional type of a holder on the booth wall for the alarm box key, adapted to be shielded by the door when the latter is open and to lock the door when the latter is closed and the holder opened, a latch adapted to automatically engage the key holder when it is in opened position and lock it in said position, means adapted to automatically return the holder to closed position when the latter is disengaged by the latch, spring operated time mechanism adapted to release the latch, a detent adapted to lock the mechanism against movement, a member connected to the fire alarm box and adapted when moved by insertion of a key in the box, to disengage the detent from the mechanism, and a casing housing the holder, time mechanism, latch and detent.

4. The combination with a fire alarm booth, a door closing the booth and a fire alarm box of conventional type secured in the booth, of a casing secured in the booth wall that is

concealed by the door when the latter is opened, a key holder movable in the casing adapted when drawn into open position to hold the door in closed position, a latch in the casing adapted to automatically lock the holder in open position, means in the casing adapted to return the holder to initial position when the latch is released, a spring-actuated time mechanism adapted when moving to periodically release the latch, a detent in the casing adapted to lock the time mechanism from movement, and a member extending from the fire alarm box adapted to be moved by a key inserted therein, and to release the detent of the timing mechanism.

5. The combination with a fire alarm booth, a door closing the booth and a fire alarm box of conventional type secured in the booth, of a casing secured in the booth wall that is concealed by the door when the latter is opened, a key holder sliding in the casing transversely to the door, adapted when drawn into open position, to hold the door in closed position, a latch in the casing adapted to drop in behind the holder and lock it in open position, means in the casing adapted to return the holder to initial position when the latch is released, a spring-actuated time mechanism adapted when moving to periodically release the latch, a detent in the casing adapted to lock the time mechanism from movement, and a member extending from the fire alarm box adapted to be moved by a key inserted therein, and to release the detent of the timing mechanism.

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

WALTER J. BASTEDO.

Witnesses:

C. R. STICKNEY,  
A. M. DORR.