

B. F. MILLER.
 PROTECTING DEVICE FOR BANK CASHIERS.
 APPLICATION FILED APR. 4, 1910. RENEWED MAY 23, 1911.

1,000,747.

Patented Aug. 15, 1911.

2 SHEETS-SHEET 1.

Fig. 2.

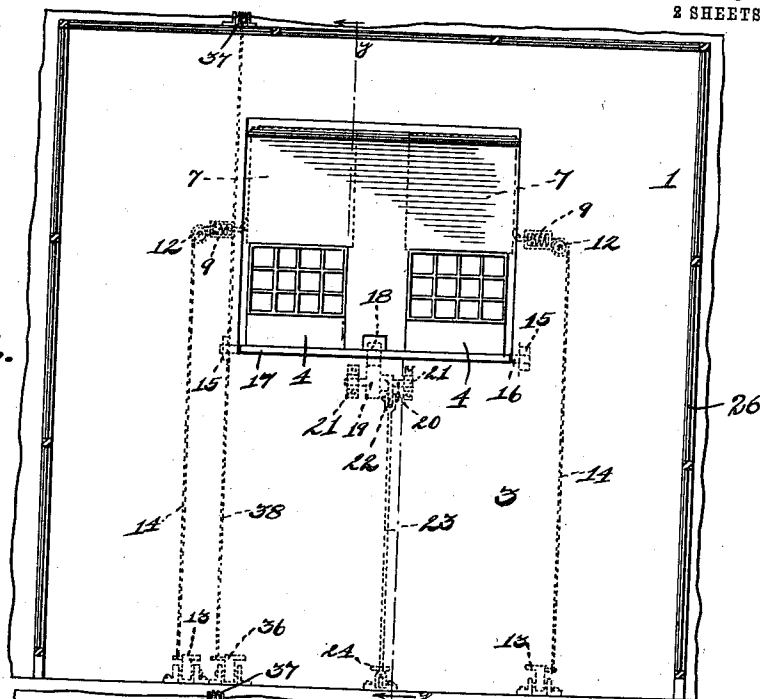
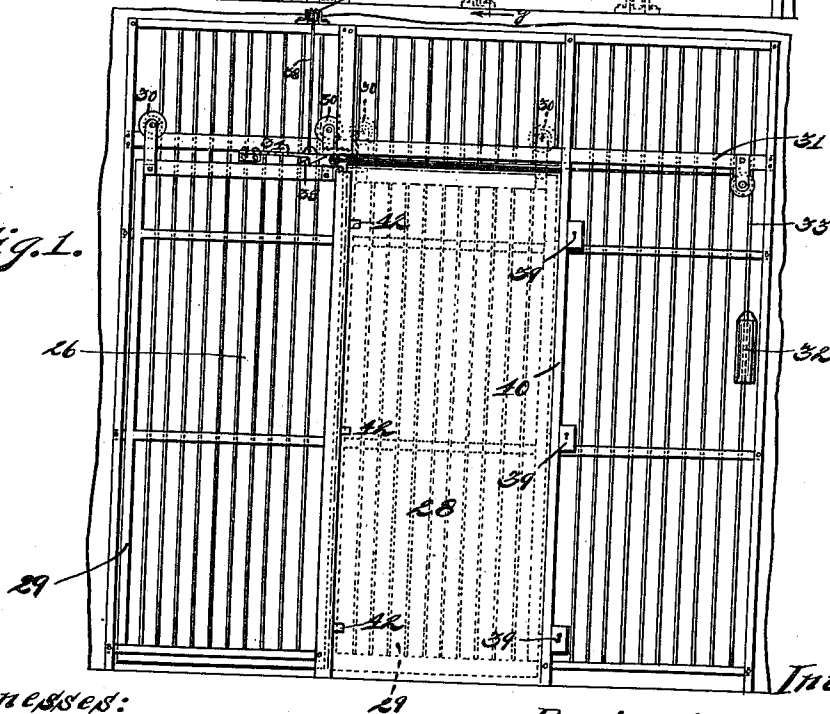


Fig. 1.



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Fig. 4.

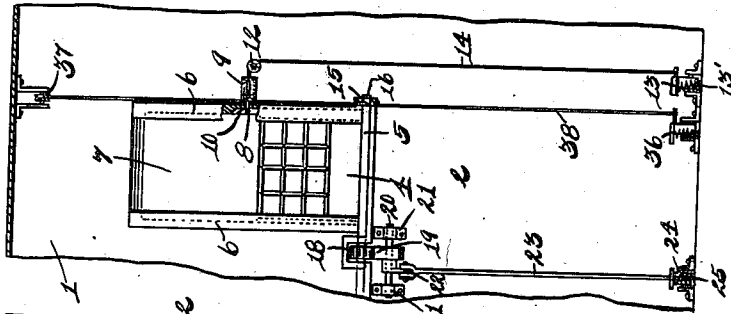


Fig. 5.

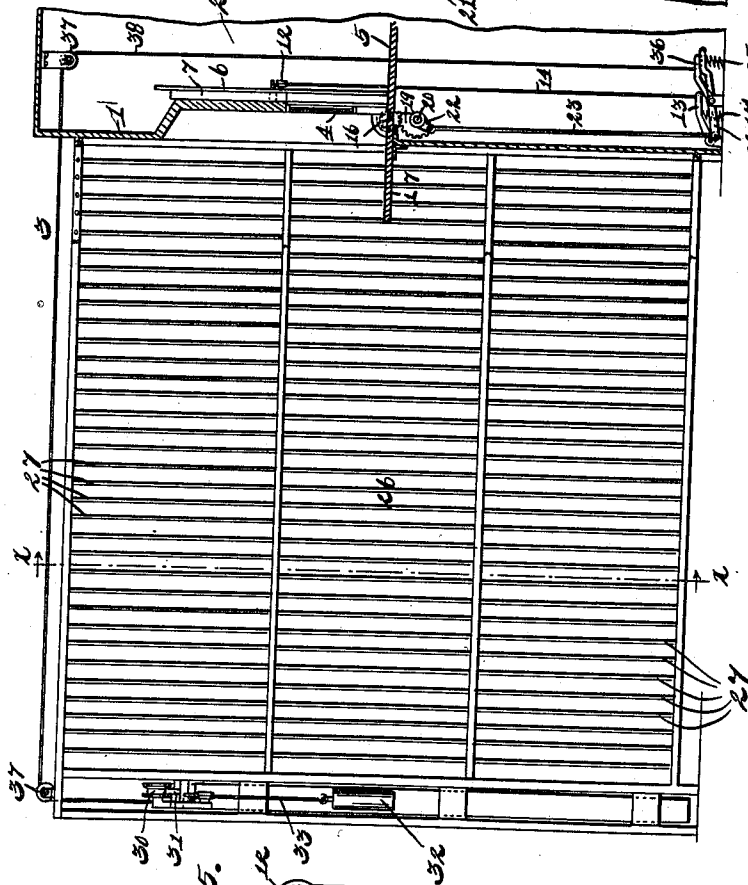
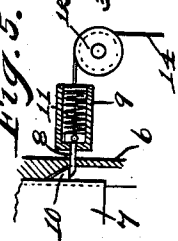


Fig. 5.



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UNITED STATES PATENT OFFICE.

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PROTECTING DEVICE FOR BANK-CASHIERS.

1,000,747.

Specification of Letters Patent. Patented Aug. 15, 1911.

Application filed April 4, 1910, Serial No. 553,402. Renewed May 22, 1911. Serial No. 628,894.

To all whom it may concern:

Be it known that I, BENJAMIN F. MILLER, a citizen of the United States, residing at Dixon, county of Lee, and State of Illinois, have invented certain new and useful Improvements in Protecting Devices for Bank-Cashiers, of which the following is a specification.

My invention relates to protecting devices and more particularly to a device of this nature especially adapted for use in banks to serve as a protection for the bank cashier.

The object of my invention is the provision of a protecting device as mentioned which will be so designed and adjusted as to be adapted for quick actuation by the cashier or other person occupying the cashier's position; which, when actuated, will erect a shield or protector in front of the cashier and the valuables in his charge and at the same time entrap the would-be burglar positioned in front of the cashier's window.

A further object is the provision of a protecting device as mentioned which will be of durable and economical construction, and quick-acting and efficient in operation.

Other objects will appear hereinafter.

With these objects in view my invention consists in a protecting device characterized as above mentioned and in certain details of construction and arrangement of parts all as will be hereinafter fully described and particularly pointed out in the appended claims.

My invention will be more readily understood by reference to the accompanying drawings forming a part of this specification, and in which,

Figure 1 is a front elevation of my device in its preferred form, Fig. 2 is a vertical transverse section taken on line $x-x$ of Fig. 3, Fig. 3 is a partial vertical section taken on line $y-y$ of Fig. 2, Fig. 4 is an inside elevation of a portion of the wall or partition in which is provided one of the cashier's windows, showing my mechanism applied thereto, and Fig. 5 is an enlarged sectional detail of a portion of the mechanism shown in Fig. 4.

Referring now to the drawings, 1 indicates the wall or partition which is located in the banking room and which divides the latter into an inner cashier's or bank-employee's compartment 2 and an outer reception room 3 for the bank's customers. The partition 1

is of any bullet-proof construction and is provided with the cashier's window openings 4; 5 indicating the cashier's counter which is arranged at the inner side of the partition 1. Mounted upon the inner side of the partition 1 for closure of the window openings 4, the same being vertically slidable in vertically disposed guide channels 6 provided adjacent the longitudinal edges of said windows are metallic plates or closures 7 adapted, by their own gravity, to normally remain in lowered or closing position. Mounted adjacent one of the edges of each of the closures 7 is a dog 8 slidably mounted in a stationary housing 9. The dogs 8 project through the adjacent channels of the closures 7 and are adapted to engage under stops 10 laterally projecting from the latter, to retain or support said closures in open or raised positions. Compression springs 11 mounted in the housings 9 are adapted to normally hold the dogs 8 in operative position. Having their upper ends connected to the inner ends of said dogs, the same extending therefrom over pulleys 12 positioned adjacent the housings 9 and being secured at their lower extremities to pivoted foot levers or pedals 13 arranged under the counter 5, are flexible cords 14. Compression springs 13' arranged under the free ends of the levers 13 normally hold the same in elevated or inoperative position. The arrangement is such that upon depression of the levers 13, the dogs 8 will be withdrawn from engagement with the stops 10 and hence the closures 7 released. The latter are so mounted that, upon release thereof, the same will drop by gravity to close the window openings 4.

Arranged at the lower edge of the windows 4 coplanar with the counter 5, the same being rockingly mounted in bearings 15 provided upon the inner side of the partition 1, is a shaft 16. Carried by said shaft, the rearward edge thereof being rigidly secured thereto, is a normally horizontally disposed metallic counter-forming member 17. Said member 17 is of dimensions such as to adapt the same, when swung to vertical position, to cover the windows 4. Fixed to the shaft 16 is a pinion 18. Meshing with the pinion 18 is a segmental gear 19, the latter being mounted upon a shaft 20 mounted in bearings 21 arranged upon the inner side of the partition 1. Formed integrally with and

outwardly projecting from the gear 19 is a rocker arm 22 to the outer extremity of which is connected the upper end of a depending rod 23. The lower end of said rod is connected to a pivoted foot lever or pedal 24 which, like the levers 13, is also mounted beneath the counter 5. A compressing spring 25 normally holds the free end of the pedal 24 in elevated or inoperative position. The arrangement is such that by depressing the pedal 24, the member 17, through the medium of the rod 23, gear 19 and pinion 18 will be swung to vertical position or in a position covering the window openings 4.

Arranged forward of the partition 1 opposite the windows 4 is a cage 26 formed preferably of metallic bars 27 as shown. Access to the cage 26 is gained through the entrance 28 in the outer end wall thereof.

29 indicates a sliding door for the entrance 28, said door being hung upon rollers 30 traveling upon a horizontal bar 31 arranged adjacent the upper edge of said entrance.

32 indicates a weight which is connected by means of a cord 33 to the door 29, said weight being adapted to normally hold said door closed.

34 designates a spring dog or detent the free end of which is formed to engage a stop 35 provided upon the upper edge of the door, and whereby the latter may be held in open position. Arranged within the cashier's compartment 2 below the latter's counter is another pivoted foot lever 36. Having its respective ends secured to the free end of the dog 34 and the lever 36, the same intermediate said dog and lever passing over pulleys 37, is a flexible cord 38. This arrangement is such that by depressing lever 36 the free end of the dog 34 will be raised out of engagement with the stop 35, thereby effecting the release of the door 29, and which, upon being released, will be slid to closing position by reason of the weight 32. Spring locks 39 are provided along the edge 40 of the entrance, said locks being adapted, when the door is slid to closing position, to engage bolts 42 projecting from the adjacent edge of the door, to effect the locking of the latter in closed position.

With an arrangement as described, it will be seen that a person desiring to transact business or to interview the cashier must first enter the cage 26. This being so, should any person make a hostile move, the cashier may, by a quick foot movement, depress the various levers located beneath his counter, cause the erection of a double shield

over his window and also release the door 29 which will be swung to locking position, as before stated, to entrap the would-be burglar. With a device as described therefor complete protection will be afforded a bank cashier, and a construction will be provided which will be strong and durable and which will be quick-acting in operation.

While I have shown what I deem to be the preferable form of my invention I do not wish to be limited thereto as there might be various changes made in the details of construction and the arrangement of parts described without departing from the spirit of the invention. And although I have designed my device with special reference for use in conjunction with cashiers' windows it may be used in any other location to which it is applicable.

Having described my invention what I claim as new and desire to secure by Letters Patent is:

1. In a device of the class described, the combination with a bank cashier's window, of a hinged shelf arranged outside said window and adapted to swing upwardly and close the same; and means located on the inner side of said window arranged to swing said shelf upwardly, substantially as described.

2. In a device of the class described, the combination with a bank cashier's window, of a hinged shelf arranged outside said window and adapted to swing upwardly and close the same; a pinion for swinging said shelf; a second pinion meshing with said first mentioned pinion; and means located on the inner side of said window for rotating said last named pinion to elevate said shelf, substantially as described.

3. In a device of the class described, the combination with a bank cashier's window, of a hinged shelf arranged outside said window and adapted to swing upwardly and close the same; a pinion for swinging said shelf; a second pinion meshing with said first mentioned pinion; an arm connected to rotate said last named pinion; a foot lever located below said window on its inner side; and a cord connecting said foot lever with said arm for elevating said shelf, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

BENJAMIN F. MILLER.

Witnesses:

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