

109. SAFES, BANK PROTECTION  
AND RELATED DEVICES.

109.101

12

Sept. 4, 1928.

1,682,881

L. N. BEAUDRY

CASHIER'S PROTECTOR

Filed July 15, 1925

2 Sheets-Sheet 1

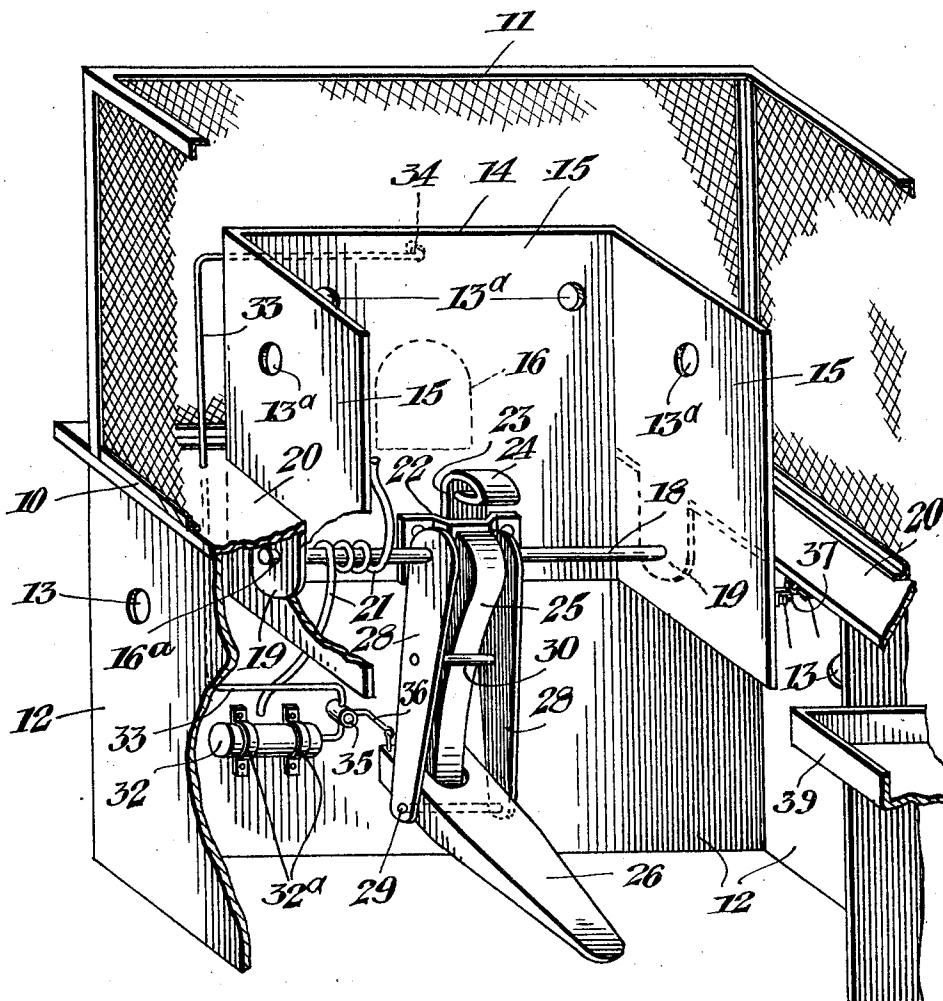


Fig. 1.

INVENTOR  
LEON N. BEAUDRY.

BY  
*Detterer, Laughlin & Co.*  
ATTYS.

12

109. SAFES, BANK PROTECTION  
AND RELATED DEVICES.

1,682,881

12

Sept. 4, 1928.

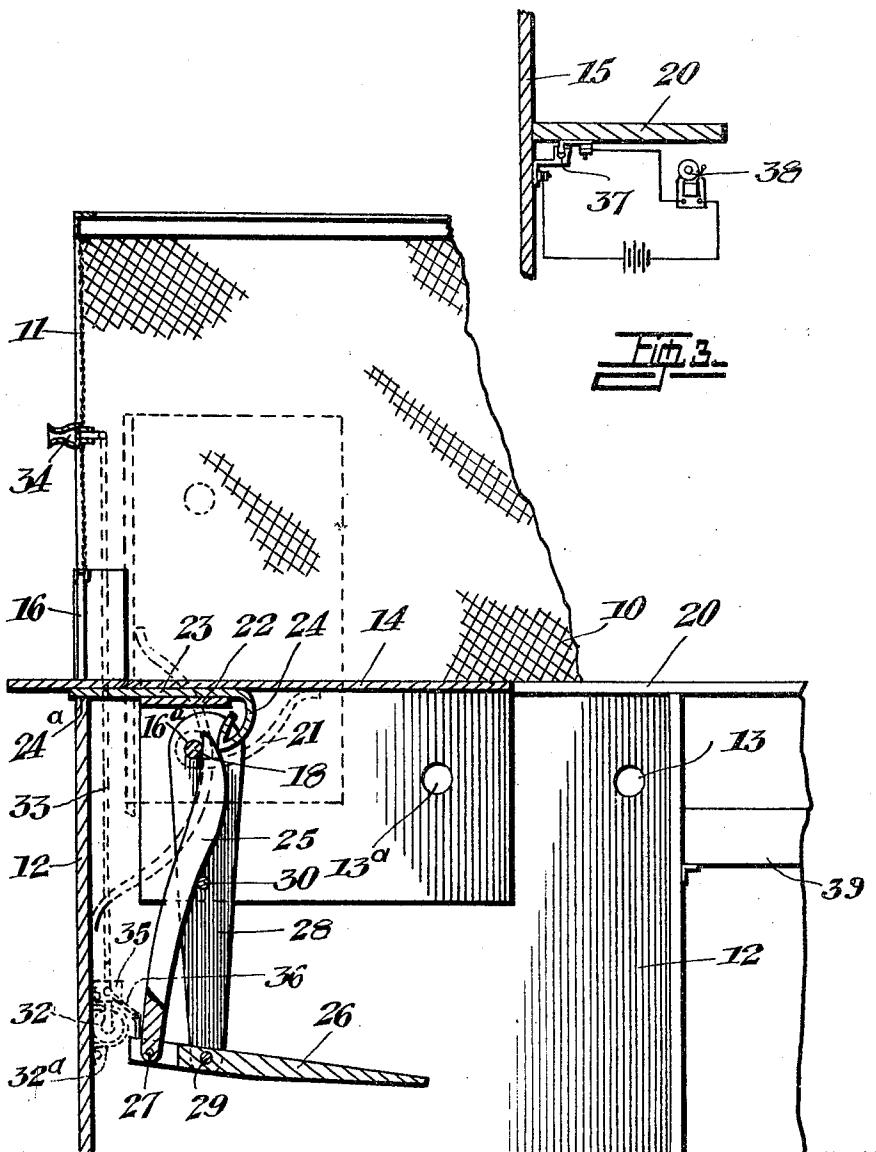
1,682,881

L. N. BEAUDRY

CASHIER'S PROTECTOR

Filed July 15, 1925

2 Sheets-Sheet 2



INVENTOR  
LEON N. BEAUDRY.

BY

*Detterstaalangholby*  
ATTY.

UNITED STATES PATENT OFFICE.

LEON NOEL BEAUDRY, OF CALGARY, ALBERTA, CANADA.

CASHIER'S PROTECTOR.

Application filed July 15, 1925. Serial No. 43,873.

This invention relates to improvements in cashier's protectors and more particularly to cashier's cages and the objects of the invention are to provide a cashier's cage with bullet-proof plates which can be instantly operated to convert the cage into a bullet-proof chamber in which bank officials, cashiers and others can take cover in the event of a surprise attack.

10 A further object is to provide, in combination with a cage of this description, means whereby a charge of powder or fluid can be instantly discharged into the face of any person confronting the pay wicket.

15 Yet another object is to provide, in combination with the transforming of the cashier's cage into a bullet-proof cage and the discharge for the powder or the like, means for automatically sounding an alarm.

20 With the foregoing and other objects in view the invention consists essentially of a cage provided with bullet-proof walls and a tiltable, bullet-proof den adapted to form, in lowered position, a desk or counter and in 25 raised position to form bullet-proof walls, means for operating the counter or desk and means, operable simultaneously with the operation of the desk, for ejecting a discharge of powder and automatically sounding an alarm.

20 Referring now to the drawings in which like characters of reference indicate corresponding parts in each figure,

Figure 1 is a perspective view of the 35 interior of a cashier's cage fitted with my invention,

Figure 2 is a section through the cage, and

Figure 3 is a detail of the electrically operated alarm.

40 Referring now more particularly to the drawings, 10 designates the cashier's cage of well known construction comprising an upper portion 11 of standard steel lattice or the like and a lower portion, preferably waist high, 45 formed of bullet-proof walls 12 with openings therein 13. Within the cage is a counter or table 14 formed of three sides 15 with orifices 13<sup>a</sup> therein for shooting or looking through as may be required and for 50 which purposes orifices 13 are also provided. The member 14 is pivotally mounted at 16<sup>a</sup> on a transversely extending axle 18 supported at each end in bearing brackets 19 formed integral with the stationary side tables 20 of 55 the cage. On the axle 18 is wound a spring 21 so arranged that one end contacts with the

underside of the member 14 while the other end of the spring engages the front wall 12 of the cage as illustrated in Figure 2. The spring 21 thus forces the side of the member 14, farthest away from the axle, upwardly when free to travel to the position as shown in Figure 1, 16 being the cashier's wicket.

It will thus be seen that while the member 14, in lowered position, will form a table or 65 counter automatically, it assumes a protecting position comprising side walls and a front wall when released.

Referring now to the means for instantaneously releasing the table to form a bullet-proof chamber, I provide a slide 22 on the underside of the table or member 14, through which is designed to pass a bolt 23 to engage a slot 24<sup>a</sup> in the front wall immediately under the pay wicket. The head of this bolt 23 is 75 formed with a hooked end 24 for the purpose of withdrawing it.

To operate the bolt 23 and thus release the table to protecting position I provide a wedge-shaped member 25 pivotally connected 80 at its lower end to a bifurcated lever member 26 by means of a pin 27. This lever arm is suspended from the axle 18 by means of links 28 and a cross-pin 29, a second pin 30 substantially midway of the links being provided to hold them together and to prevent the wedge-shaped member 25 from falling out of position when the bolt 23 is withdrawn. 39 are cash drawers.

On pressure being brought to bear on the 90 lever 26 the wedge-shaped member 25 is forced upwardly and the wedge end pushes the bolt head or hooked end 24 and axle 18 apart thus withdrawing the bolt 23.

For ejecting a cloud of dust or the like 95 simultaneously with the operation of converting the cashier's cage into an armoured cage, I provide a suitable container 32 secured on the inside of the cage by suitable brackets 32<sup>a</sup> with tube connections 33 to a 100 suitable ejector or gun 34 in the front of the cage and a valve 35 being provided in the tubing 33 to release the pressure in the container 32, this valve being connected to the lever member 26 through the rod 36 so 105 that when the former is operated to move the member 14 to an upright position the powder gun or ejector is simultaneously operated.

Furthermore, as the table member 14 is raised, an electric contact 37 is put into operation to cause the alarm bell 38 to sound.

From the foregoing it will be seen that while

the member 14 is normally held in lowered position to form a counter for the cashier's cage it will at once assume the position of a shield through the action of the spring 21 on 5 the axle 18 on the retaining bolt or wedge 23 being released by the operation of the lever member 26 which in turn is operable by pressure exerted in any suitable manner preferably by the foot.

10 As many changes could be made in the above construction and many apparently widely different embodiments of my invention within the scope of the claims constructed without departing from the spirit or scope 15 thereof, it is intended that all matter contained in the accompanying specification and drawings shall be interpreted in an illustrative and not in a limiting sense.

What I claim as my invention is:

20 1. In a device of the character described the combination with a spring actuated, rotatably mounted counter provided with engaging means, of a locking bar adapted to slidably engage with said means to lock the 25 counter in a horizontal position, a pivotally mounted wedge member adapted to engage the locking bar to unlock it and means for

operating the wedge comprising a pivotally mounted pedal lever, pivotally connected to said wedge whereby on the pedal being 30 pressed the wedge is moved upwardly to engage with the locking bar to unlock it and whereby on the pedal being released the wedge member automatically disengages with the locking bar. 35

2. In a device of the character described and in combination with the cashier's cage a pivotally mounted counter, a locking bar slidably carried by the counter and adapted to engage with the walls of the cage to lock 40 the counter in a horizontal position and means for operating the locking bar comprising a wedge member adapted at one end to engage with the locking bar and pivotally connected at the other end to a pivotally 45 mounted operating lever whereby on the lever being operated the wedge member engages with the locking bar to open it and whereby in normal position the wedge member is out of engagement with the locking bar. 50

In witness whereof I have hereunto set my hand.

LEON NOEL BEAUDRY.