June 17, 1924.

1,498,476

J. NADWOCKI

CIGAR CABINET

Filed Aug. 10, 1923

2 Sheets-Sheet 1

Fig. 2.

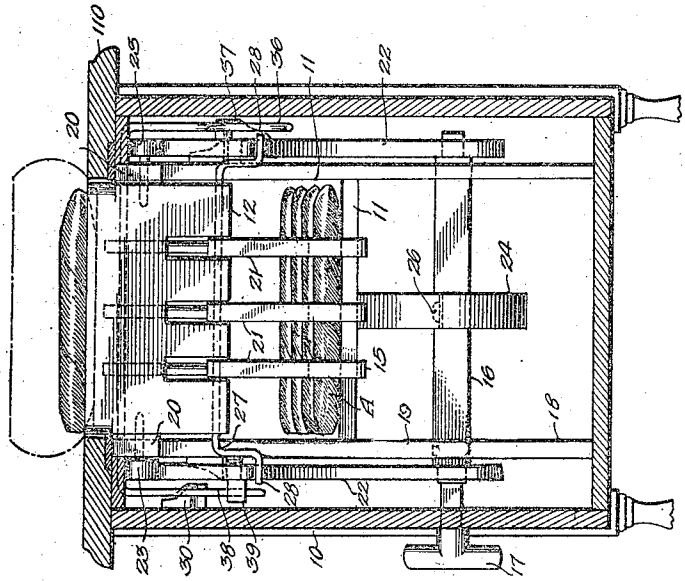
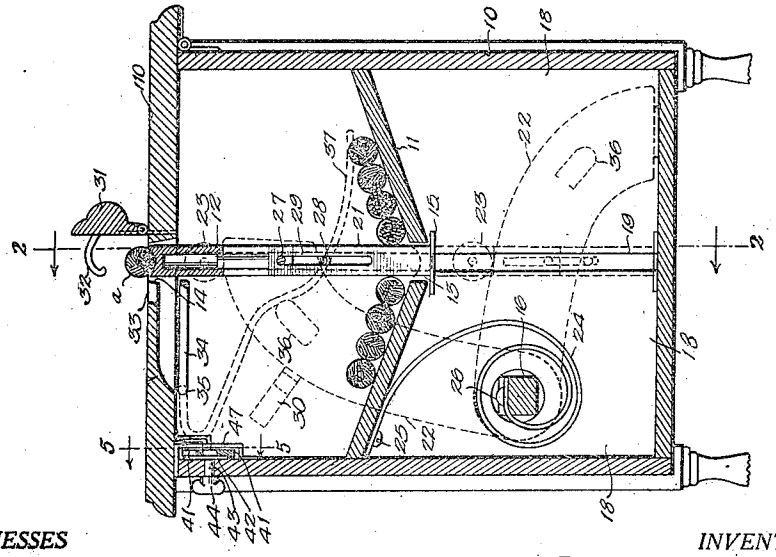


Fig. 1.



WITNESSES

INVENTOR

JOSEPH NADWOCKI

BY Munn & Co

ATTORNEYS

June 17, 1924.

1,498,476

J. NADWOCKI

CIGAR CABINET

Filed Aug. 10, 1923

2 Sheets-Sheet 2

Fig. 3.

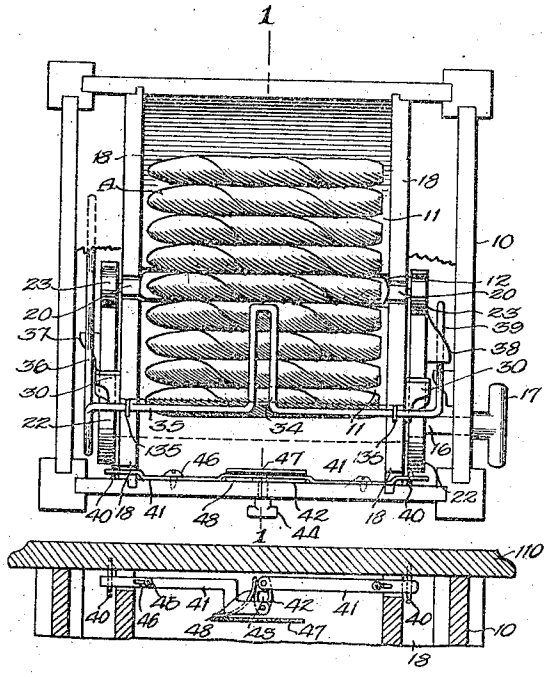
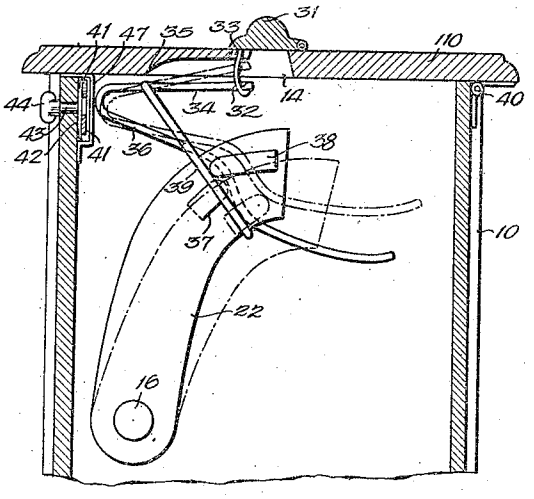


Fig. 5.

Fig. 4.



WITNESSES

Geo. W. Naylor

J. McAuliffe

INVENTOR

JOSEPH NADWOCKI

BY Munn & Co.

ATTORNEYS

Patented June 17, 1924. 1,498,476

UNITED STATES PATENT OFFICE.

JOSEPH NADWOCKI, OF BROOKLYN, NEW YORK.

CIGAR CABINET.

Application filed August 10, 1923. Serial No. 656,634.

To all whom it may concern:

Be it known that I, JOSEPH NADWOCKI, a citizen of Poland, and a resident of the city of New York, borough of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Cigar Cabinet, of which the following is a description.

My invention relates to a cigar cabinet and particularly to a cabinet having means for ejecting or delivering the cigars in single succession through the top of the cabinet.

The general object of my invention is to provide a novel assemblage of ejector and actuating and controlling means therefor as well as to provide a latching device in association with a cover at the slot through which the cigars are ejected and coordinated with the ejector plunger to insure that the cigars may not be surreptitiously withdrawn from the cabinet while the plunger is away from the delivery slot.

The manner and means whereby the above and other objects are attained, will clearly appear as the description proceeds.

Reference is to be had to the accompanying drawings forming a part of this specification, it being understood that the drawings are merely illustrative of one example of the invention.

Figure 1 is a vertical section mainly in the plane indicated by the line 1—1, Figure 3, parts being broken away;

Figure 2 is a vertical section on the line 2—2, Figure 1;

Figure 3 is a plan view with the top removed;

Figure 4 is a side elevation through the cabinet approximately in the plane of the line 1—1, Figure 3, but showing the cam and latch devices, the devices shown in elevation in Figure 4 being partly or wholly omitted from the view, Figure 1;

Figure 5 is a detail in vertical section given to show the cover fastening means, the plane of the section being indicated by the line 5—5, Figure 1.

In carrying out my invention in accordance with the illustrated example, a cabinet body 10 is provided having approximately midway in the height thereof a bottom composed of sections 11 inclining from opposite sides of the cabinet toward the center. The ends of the bottom sections are spaced to provide a vertical slot or opening 13 therebetween in which operates a vertical delivery plunger 12 for selecting a single cigar A from the convergent bottom sections to deliver the same as indicated at *a* at a slot 14 in the hinged top 110 of the cabinet. At the bottom of the plunger are suitable stop means to limit the upward movement, there being shown separate transverse members 15.

The plunger is operated by the turning of a rock shaft 16 by any suitable handle 17 at the exterior of the cabinet.

Vertical valves 18 are provided, spaced to present therebetween vertical guide slots 19 in which blocks 20 on the side edges of the delivery plunger 12 have movement. The plunger 12 is formed in its lower part with separate slats 21 on the lower ends of which the stops 15 are provided. The shaft 16 near each end, between the cabinet walls and the partitions 18, is provided with curved cam arms 22 on which rest rollers 23 on the plunger 12 outside of the guide blocks 20.

A coil spring 24 is fastened at one end as at 25 to the under side of one of the inclined bottom sections 11 and at its opposite end secured as at 26 to the shaft 16 so that the spring will be stressed by the manual turning of the shaft and the reaction of the spring will tend to restore the shaft and cam arms 22 for raising the plunger 12 by engagement of the cams against the rollers 23. The plunger 12 is depressed by turning the shaft 16 by its handle 17 in a direction to depress cams 22 to the lower dotted line position indicated in Figure 1 to thus permit the plunger to gravitate to a position for its upper concaved end to receive a single cigar A for carrying the same as shown in Figure 1 to the slot 14.

A transverse rod 27 passes through vertical slots 29 in the plunger members 21 and has its ends bent twice at right angles to provide terminals 28 disposed beneath the cams 22, said rod thus constituting a follower for the cams 22 in the up-and-down movements of the cams to control the same for preventing sudden movements being imparted to the cams to injure the cigars or cause displacement of the parts. A stop 30 is disposed in the path of one of the cams 22 to positively arrest the upward movement of the cams while the downward movement is arrested by the ends of the cams striking the bottom of the cabinet.

In Figure 1 the uppermost dotted line position of the cam represents its normal

position but it is in dotted lines because it is disposed behind the partition section 18. On the other hand the lowermost dotted line position of the cam represents the cam when moved downward in the depression of the plunger 12.

A hinged cover 31 is provided for the delivery slot 14 and it is provided with a catch hook 32 adapted when said closure is in the lowered position over the slot to pass through the auxiliary slot 33 at slot 14 and to be engaged by the U-bend 34 of a latch rod 35 rockably secured by staples 135 to the top edges of two opposite partition sections 18. At one end the latch rod 35 is formed with a lateral arm 36 disposed above a lug 37 on the adjacent cam 22 so that in the rising of the cam the arm 36 will be engaged by the lug 37 just as the cam reaches its highest position so that a slight rocking of the rod 35 is produced sufficient for the bend 34 to be raised to the dotted line position shown in Figure 4 to release the catch 32 and allow clearance for the same to pass through the slot 33 when the closure 31 is raised.

At the other end of the latch rod 35 is a lateral arm 38 adapted to pass beneath a lug 39 on the adjacent cam 22 at the extreme upward movement of the cam for limiting the rocking movement of the latch rod 35.

Fastening means is provided for the cabinet cover 110 as follows: Staples 40 are provided on the under side of said cover and are adapted to receive the ends of fastener bolts 41 moving in opposite directions through the partitions 18. The adjacent ends of the bolts 41 are secured to opposite ends of a head 42 on the spindle 43 extending outwardly through the adjacent side of the cabinet 10 and provided with a handle 44 to be gripped between the fingers so that the spindle 43 may be turned to withdraw the bolts 41 from the keepers 40. The bolts 41 have slots 46 through which screws 45 pass into the adjacent side of the cabinet to give guided movement to the bolts. A housing or casing 47 is provided for the adjacent ends of the bolts 41 and the head 42 and a spring 48 secured to said casing bears against the inner end of one bolt 41, thereby tending to operate the bolt for shooting the bolts 41 into the keepers 40.

I would state in conclusion that while the illustrated example constitutes a practical embodiment of my invention, I do not limit myself strictly to the exact details herein illustrated, since, manifestly, the same can be considerably varied without departure from the spirit of the invention as defined in the appended claims.

Having thus described my invention, I claim:

1. A merchandise cabinet, a vertically operating plunger to deliver the cigars as required, said cabinet having a slot at the top thereof to which the plunger is movable on the delivery movement, a closure for said slot, latch means for said closure, and controlling means for said latch means subject to the movements of the plunger to and from the slot.

2. A cigar cabinet having support for the cigars, a plunger operating through said support to deliver the cigars as required, means to raise and lower said plunger, said cabinet having a slot in the top to which the plunger delivers the cigars, a lift closure for said slot, a catch on said closure adapted to pass into the cabinet when the closure is in the lowered position, and latch means to engage said catch, said latch means comprising a rock shaft having a member to engage said catch, and an arm on the rock shaft engageable by the plunger in its upward movement to rock the shaft and release the catch.

3. A cigar cabinet having support for the cigars, a plunger operating through said support to deliver the cigars as required, means to raise and lower said plunger, said cabinet having a slot in the top to which the plunger delivers the cigars, a lift closure for said slot, a catch on said closure adapted to pass into the cabinet when the closure is in the lowered position, and latch means to engage said catch, said latch means comprising a rock shaft having a member to engage said catch, and an arm on the rock shaft engageable by the plunger in its upward movement to rock the shaft and release the catch; together with a second arm on said latch shaft, and a member on the plunger to be engaged by the second mentioned arm to limit the rocking movement of the latch shaft.

JOSEPH NADWOCKI.