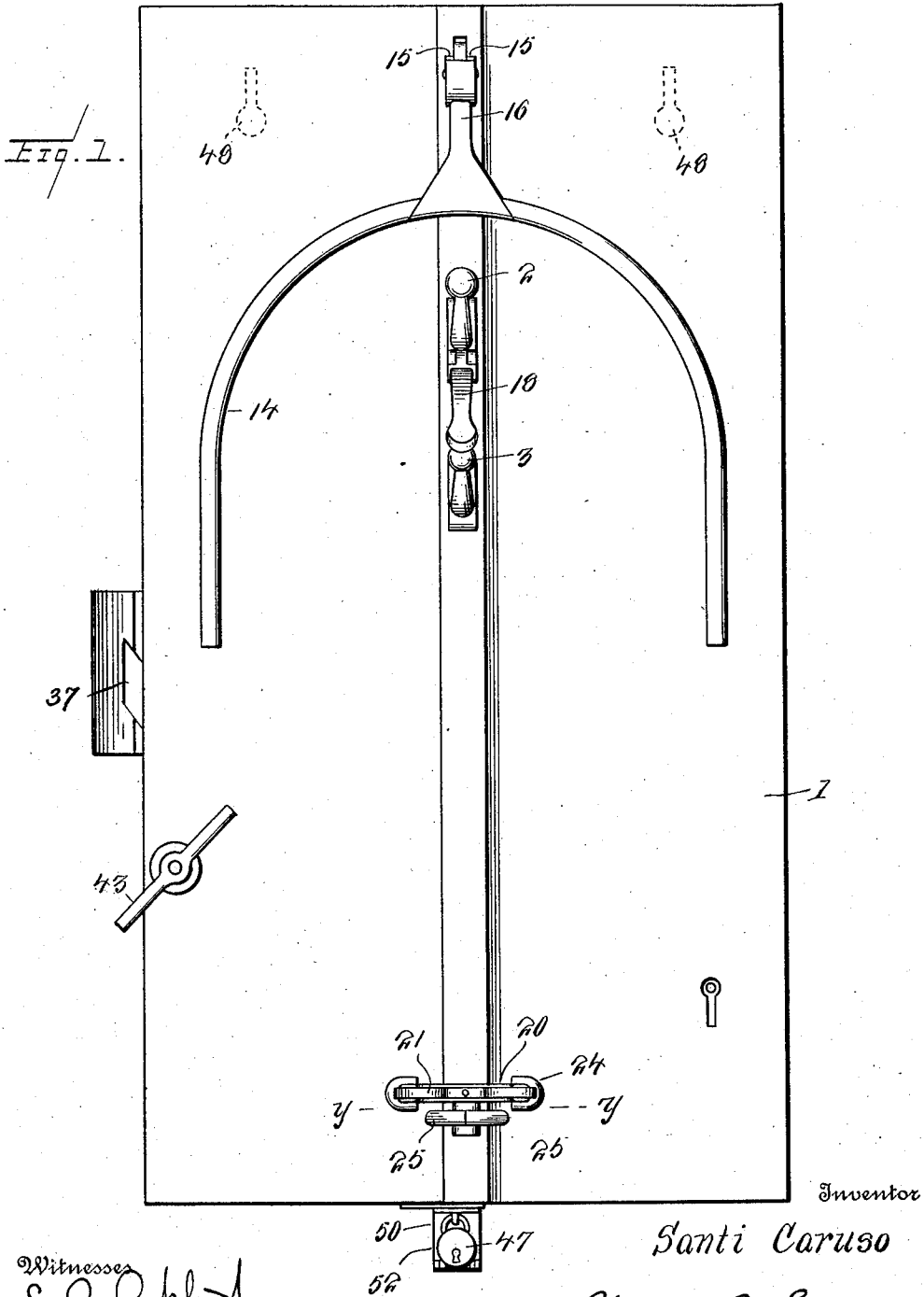


S. CARUSO.
 COIN OPERATED HAT, COAT, AND UMBRELLA RACK.
 APPLICATION FILED FEB. 25, 1911.

1,025,860.

Patented May 7, 1912.

3 SHEETS-SHEET 1.



Inventor

Santi Caruso

By Victor J. Evans

Attorney

Witnesses

E. R. Ruppert.

U. B. Willard.

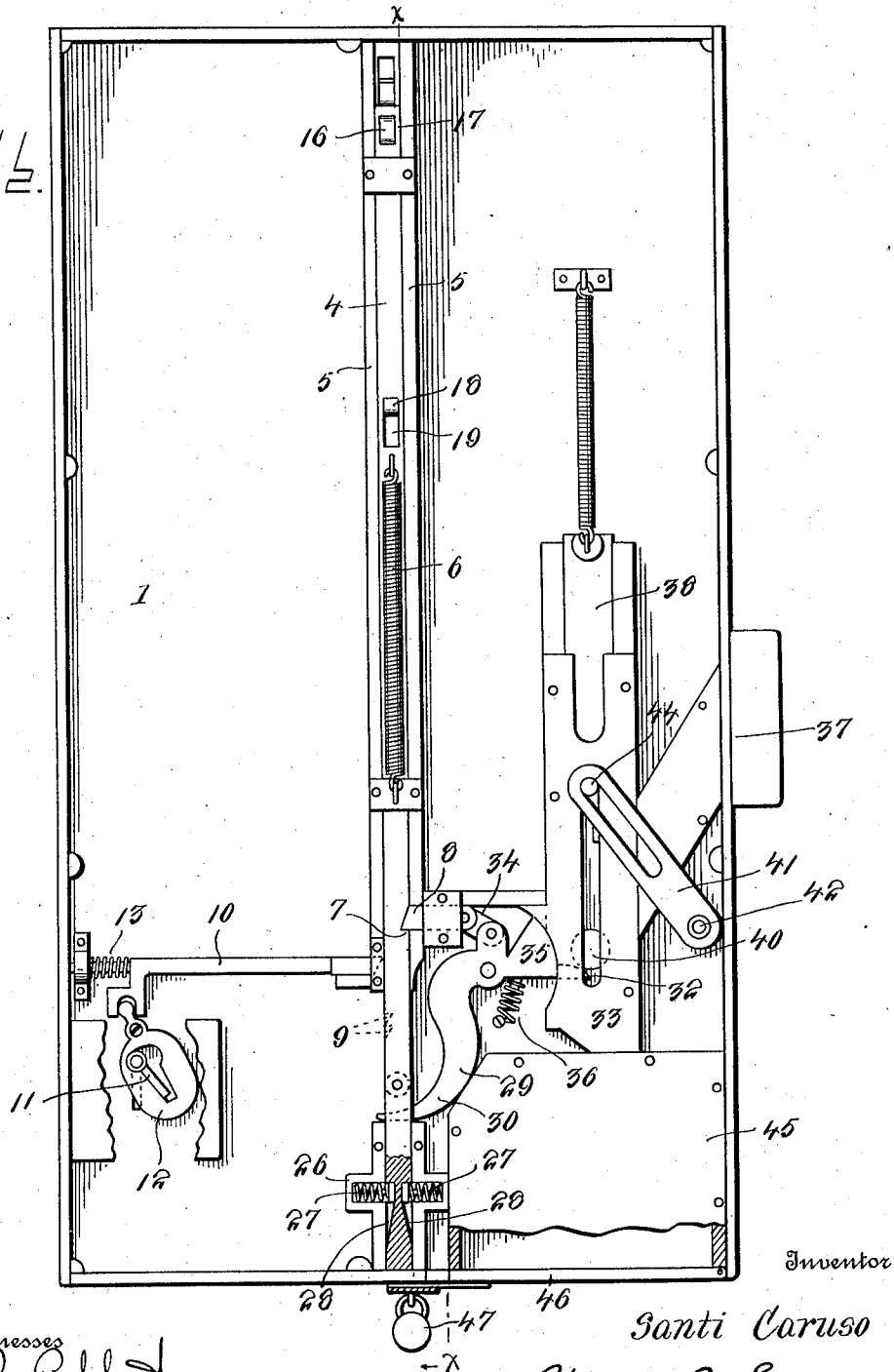
S. CARUSO.
 COIN OPERATED HAT, COAT, AND UMBRELLA RACK.
 APPLICATION FILED FEB. 25, 1911.

1,025,860.

Patented May 7, 1912.

3 SHEETS—SHEET 2.

Fig. 2.



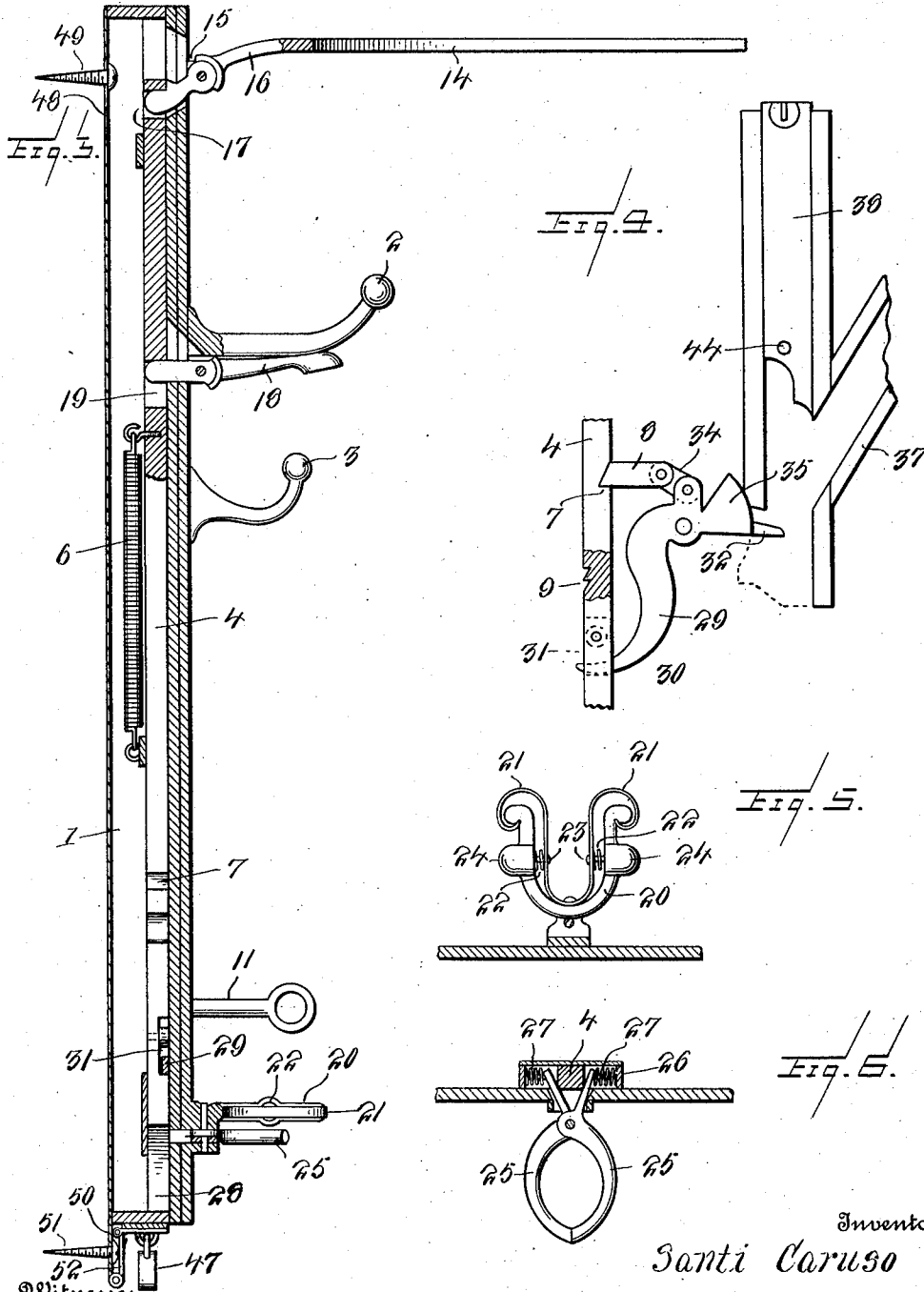
Witnesses
 E. R. Ruppert.
 V. B. Hillyard.

Inventor
 Santi Caruso
 By Victor J. Evans
 Attorney

S. CARUSO.
 COIN OPERATED HAT, COAT, AND UMBRELLA RACK.
 APPLICATION FILED FEB. 25, 1911.

1,025,860.

Patented May 7, 1912.
 3 SHEETS—SHEET 3.



Witnesses
 E. R. Ruppert.
 U. B. Hillyard.

Inventor
 Santi Caruso

By Victor J. Evans
 Attorney

UNITED STATES PATENT OFFICE.

SANTI CARUSO, OF ARDMORE, PENNSYLVANIA.

COIN-OPERATED HAT, COAT, AND UMBRELLA RACK.

1,025,860.

Specification of Letters Patent.

Patented May 7, 1912.

Application filed February 25, 1911. Serial No. 610,815.

To all whom it may concern:

Be it known that I, SANTI CARUSO, a citizen of the United States, residing at Ardmore, in the county of Montgomery and State of Pennsylvania, have invented new and useful Improvements in Coin-Operated Hat, Coat, and Umbrella Racks, of which the following is a specification.

The purpose of this invention is the provision of a safety rack for use in public places so as to safeguard removable wraps and sundry articles such as coats, hats, and umbrellas, said device embodying receiving means for holding the articles to be left for safe keeping and the device being adapted to be operated by means of a coin of given value, which is deposited in an opening and serves to release the mechanism to admit of operation of the same and also to release a key which is retained by the person until used to unlock the retaining devices so that the articles may be recovered, the key being retained until again released by the depositing of a second coin in the opening leading to the coinway when the device may be operated a second time and so on for each coin deposited.

The invention contemplates unique retaining devices for securance of the articles to be retained until released by the party holding the key, it being understood that each device has its own special key so that no one key will operate two devices of the same system.

The invention consists of the novel features, details of construction and combination of parts, which hereinafter will be more particularly set forth, illustrated in the accompanying drawings, and pointed out in the appended claims.

Referring to the drawings, forming a part of the specification, Figure 1 is a front view of a rack embodying the invention. Fig. 2 is a reverse view of the rack with the back removed, showing the relation of the working parts. Fig. 3 is a vertical section on the line $x-x$ of Fig. 2, looking to the left. Fig. 4 is a detail view of the operating slide, operating bar and actuating lever for moving the operating bar and the dog by means of which the same is held lowered or in normal position. Fig. 5 is a horizontal section on the line $y-y$ of Fig. 1, looking upwardly. Fig. 6 is a view on the line $y-y$ of Fig. 1, looking downwardly.

Corresponding and like parts are referred

to in the following description, and indicated in all the views of the drawings, by the same reference characters.

The rack comprises a support or base 1, which may be of any construction and consists preferably of a casing in which the operating parts are housed and protected. A hook 2 is located upon the upper portion of the support and is primarily designed to receive the hat. A second hook 3 is located below the hat hook 2 and is intended chiefly to receive the coat or other article of clothing to be placed thereon. An umbrella holder is placed near the lower end of the support and comprises grips for embracing the umbrella, and a yieldable holder for normally retaining the umbrella or like article in place when the grips are thrown outward. An operating bar 4 is slidable vertically in the support between suitable guides 5. A spring 6 is attached at one end to the bar 4 and at its opposite end to the guides 5 and normally exerts a downward pull upon the bar 4. A notch 7 formed in a side of the bar 4 is adapted to be engaged by a locking dog 8, which prevents upward movement of the operating bar. A series of notches 9 are likewise formed in a side of the bar 4 and are adapted to be engaged by a lock bolt 10, which holds the bar 4 elevated against the tension of the spring 6, said lock bolt being adapted to be thrown by means of a key 11, which is introduced through a keyhole formed in the front of the support 1 and which keyhole is normally closed by means of a dog 12 so as to prevent withdrawal of the key. The dog 12 is pivoted between its ends and has one end in engagement with an extension of the lock bolt so that both the dog and lock bolt move together. A spring 13 is mounted upon the lock bolt 10 and exerts a pressure to move the same inward to cause its inner end to enter one of the series of notches 9. When the lock bolt is in locking engagement with the operating bar 4 the dog 12 occupies a position to uncover the keyhole so that the key 11 may be removed or inserted through the keyhole. When the operating bar 4 is at its lowest position the lock bolt 10 is moved outward and throws the dog 12 into such position as to cover the keyhole and thereby prevent withdrawal of the key.

A hat retainer 14 coöperates with the hat hook 2 so as to prevent removal of a hat from the hook. The hat retainer is of sub-

stantially U-form or consists of a fork having a centrally disposed stem which is pivoted to ears 15 projecting outwardly from the support. The inner end of the stem 16 of the hat retainer extends into an opening 17 formed in the operating bar 4 and movement of the operating bar causes a corresponding movement of the hat retainer. When the bar 4 is lowered the fork members of the hat retainer are elevated and when the bar 4 is moved upward the fork members of the hat retainer are lowered into vertical position and extend upon opposite sides of the hat rack 2 and engage the brim of the hat and prevent removal of the same from the suspending hook 2.

The coat clamp 18 consists of an arm which is pivoted at its inner end to the support and which projects beyond its pivot support and enters an opening 19 formed in the bar 4. The outer end of the arm is recessed upon its under side to receive the end of the coat hook 3 so as to clamp the coat or other article of clothing placed upon the hook 3 and thereby prevent removal of the same. When the bar 4 is at its lowest position the coat clamp projects horizontally and when the bar 4 is raised the outer end of the coat clamp is lowered into engagement with the coat hook 3 so as to secure the coat or other article placed thereon.

The umbrella holder comprises essentially two parts, a receiver and a gripper, the one being located above the other. The receiver comprises a fork 20 and a U-shaped holder 21, the latter being arranged within the fork and having the extremities of its side members extending over the ends of the members of the fork 20 and secured thereto. The fork 20 consists of a casting, whereas the U-shaped holder 21 is formed of a strip of spring metal bent into the shape substantially as shown. Coil springs 22 are interposed between the members of the fork 20 and holder 21 and serve to reinforce the side members of the spring holder 21. The coil springs 22 are mounted upon pins 23 attached to the side members of the holder 21, the outer ends of the coil springs being received in sockets 24 forming parts of the members of the fork 20. The spring holder 21 readily adapts itself to different sizes of umbrellas and like articles and acts as a temporary retainer to hold the umbrella in place preliminary to operation of the gripper and after said gripper has been moved to release the umbrella. The fork 20 acts as a rigid support for the U-shaped holder 21. The gripper is located adjacent the receiver and is preferably arranged below the same and comprises two grips 25, which are pivotally connected at their inner ends and curve outwardly in their length. The grips 25 are pivoted to the support and

their inner ends project beyond the pivotal support and extend along opposite sides of the lower portion of the bar 4. A housing 26 is located upon the rear side of the front of the support and receives the inner ends of the grips 25. Coil springs 27 are also located within the housing and normally exert a pressure to bring the inner ends of the grips together, whereby their outer ends are normally held separated. Opposite sides of the bar 4 are cutaway adjacent the inner ends of the grips 25 to form inclines 28, which when the bar 4 is moved upward ride upon the inner ends of the grips 25 and press the same outward and cause the grips to move inward and close about the umbrella or like article and retain the same in the holder. When the bar 4 is moved downward the springs 27 press the inner ends of the grips inward and throw their outer ends away from the umbrella or like part so as to liberate the same and admit of its ready removal from the holder.

A lever 29 is pivoted between its ends and has the end adjacent the bar 4 made tapering and curved, as indicated at 30, and passed through an opening 31 of the bar 4. The opposite end of the lever 29 is widened and has an extension 32, which projects into a guide 33 so as to intercept the coin and hold the same in proper position for effecting release of the locking dog 8 and upward movement of the operating bar 4. A link 34 connects an extension of the lever 29 with the locking dog 8. The widened end 35 of the lever 29 has its outer edge formed on the arc of a circle whose center coincides with the axis of the lever 29 and normally closes the opening in the side of the guide 33 through which the extension 32 passes, thereby preventing the coin from leaving the guide laterally. A spring 36 normally exerts an upward pressure upon the end of the lever 29 adjacent the guide 33, whereby the locking dog 8 is positively thrown into engagement with the operating bar 4 after the same has been released from the lock bolt 10 and moved downward by means of the spring 6.

The coinway 37 communicates at its inner lower end with a side of the guide 33 and its upper end connects with an opening of the support through which the coin is introduced. An operating slide 38 is mounted in the guide 33 and is normally held elevated by means of a spring 39. The coinway 37 connects with the guide 33 at a point below the operating slide 38 and above the extension 32 of the lever 29. A coin 40 introduced into the coinway 37 is delivered thereby into the guide 33 and upon depressing the slide 38 the lever 29 is operated to withdraw the locking dog 8 from the bar 4 and to elevate said bar 4 and throw the several retaining devices actuated thereby into locking posi-

tion. The operating slide 38 may be actuated in any manner, but it is preferred to provide an arm 41, which is connected to the inner end of a spindle 42, which is mounted in the support 1 and has a handle 43 at its outer end. The arm 41 is longitudinally slotted and engages a stud 44 projecting from the slide 38. After the coin has been received in the guide 33 the handle 43 is turned, thereby moving the slide 38, the lever 29 and the operating bar 4. When the bar 4 reaches the limit of its upward movement the lock bolt 10 enters one of the notches 9 and moves the dog 12 to a position to uncover the keyhole so that the person using the device may obtain possession of the key. A coin box 45 is located at the lower end of the guide 33 and receives the coin after clearing the extension 32 of the lever 29, this occurring at the time when the bar 4 reaches the limit of its upward movement. A door 46 closes the lower end of the coin box and when closed is made secure by means of a lock 47.

From the foregoing description, taken in connection with the accompanying drawings, the advantages of the construction and of the method of operation will be readily apparent to those skilled in the art to which the invention appertains, and while I have described the principle of operation of the invention, together with the device which I now consider to be the embodiment thereof, I desire to have it understood that the device shown is merely illustrative, and that such changes may be made when desired as are within the scope of the claims appended hereto.

The back of the casing is provided near its upper end with key hole slots 48 to receive headed fastenings 49 let into a wall, partition or the like for supporting the device. The back of the casing has an extension 50 at its lower end to receive a fastening 51, which is placed in position after the casing has been adjusted upon the fastenings 49. A protector 52 covers the head of the fastening 51 to prevent removal of said fastening by unauthorized parties and disengagement of the device from the fastenings 49. The

protector 52 comprises members which are hinged to each other and to the extension 50, the upper member being slotted to receive the staple to which the lock 47 is fitted.

Having thus described the invention what is claimed as new, is:—

1. In a rack, the combination of a retaining device embodying a movable part, an operating bar for actuating said movable part, a locking dog for holding the operating bar in a given position, a lever for effecting release of the locking dog from the operating bar and having a projecting part and an extension, the latter adapted to positively move the operating bar after the dog has been disengaged therefrom, and an operating slide adapted to engage the projecting part of the said lever.

2. In a rack, the combination of a retaining device embodying a movable part, an operating bar for actuating said movable part, a locking dog for holding the operating bar in given position, a lever for effecting release of the locking dog from the operating bar and having a projecting part and further provided with an extension adapted to engage and positively move the operating bar, said lever having the end adjacent the projection widened and formed on the arc of a circle, a guide having a slot through which the projection of the lever extends, and an operating slide mounted in said guide.

3. In a rack, the combination of an operating bar, a locking dog therefor, a lever for effecting release of the locking dog and for moving the operating bar, said lever having an extension, a guide having the extension of the lever projecting therein, a slide arranged to operate in the guide to move the said lever, a spindle having a handle at one end, and an arm connecting said spindle with the slide.

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

SANTI CARUSO.

Witnesses:

LOUIS M. FRIDENBERG,
NORMA J. SMITH.