C. R. PROSSER.

DEVICE FOR THE DELIVERY OF TICKETS.

APPLICATION FILED AUG. 30, 1921.

1,419,075. **Patented June 6, 1922.**

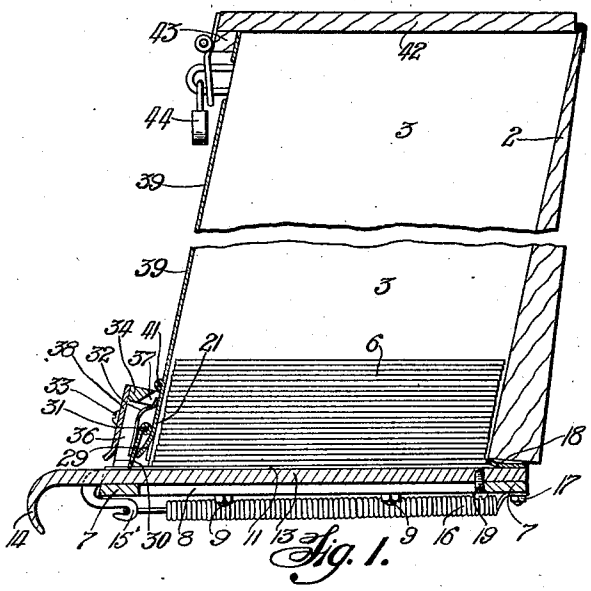


Fig. 1.

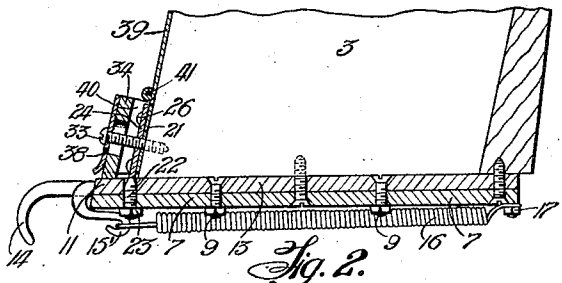


Fig. 2.

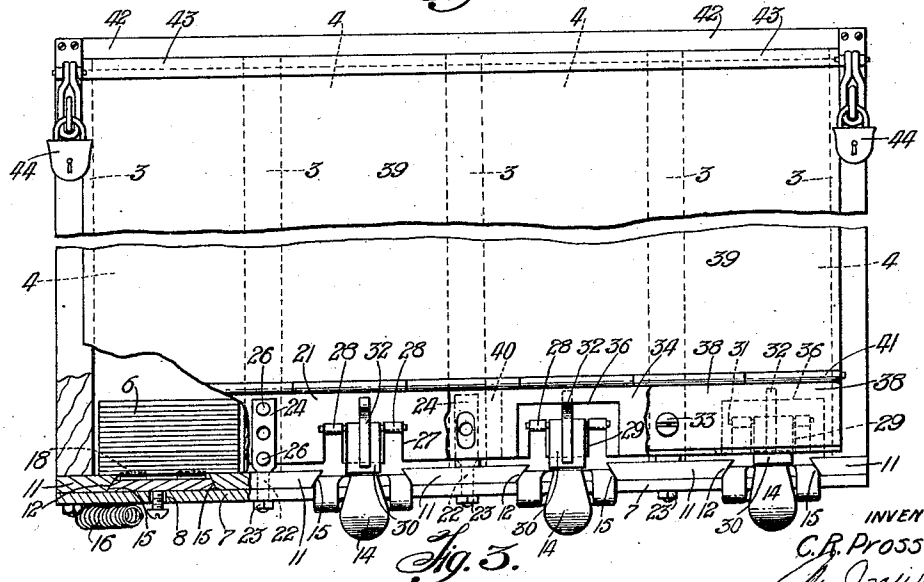


Fig. 3.

INVENTOR

C. R. Prosser.

Thos. Inuri

ATTY.

UNITED STATES PATENT OFFICE.

CHARLES ROBERT PROSSER, OF MELBOURNE, VICTORIA, AUSTRALIA.

DEVICE FOR THE DELIVERY OF TICKETS.

1,419,075. Specification of Letters Patent. **Patented June 6, 1922.**

Application filed August 30, 1921. Serial No. 496,860.

To all whom it may concern:

Be it known that I, CHARLES ROBERT PROSSER, a subject of the King of Great Britain and Ireland, residing in the city of Melbourne, in the county of Bourke, State of Victoria, Commonwealth of Australia, and whose postoffice address is 382 Latrobe Street, in the said city of Melbourne, have invented certain new and useful Improvements in and Connected with Devices for the Delivery of Tickets, of which the following is a specification.

This invention relates to the delivery of railway tickets and the like from the receptacles in which they are stacked or stored for sale at railway stations or other places.

More particularly the invention relates to apparatus of the kind wherein the tickets are delivered singly from the bottom of a stack by withdrawal of a slide which carries the lowermost ticket of the stack out of the receptacle, a plate spring being provided to engage the ticket as it passes outwardly thus permitting of extraction of the tickets whilst preventing the insertion of tickets into the receptacle at the bottom of the stack. By this means the tickets may be withdrawn one by one without permitting of unauthorized access to the body of tickets in the receptacle or the insertion of old or spurious tickets, thereby obviating fraud in the vending of the tickets which may be kept under the control of a particular official or person.

The object of the present invention is to provide, in apparatus of the above type, an improved construction and arrangement of parts whereby the apparatus is rendered more compact and efficient and may be readily applied to existing railway furniture or ticket supply receptacles.

Referring to the drawings which form part of this specification:—

Figure 1 is a longitudinal section through a compartment of the ticket receptacle showing a stack of tickets therein and one of the slides in its normal position. Parts are broken away for convenience of illustration.

Figure 2 is a longitudinal section taken intermediately between two of the adjoining ticket compartments and slides.

Figure 3 is a part sectional front view of the improved apparatus portions being broken away to show the various parts.

Referring to the drawings the numeral 2 indicates the wooden or other ticket receptacle which is usually divided by partitions 3 into a plurality of compartments 4 in each of which a stack of tickets 6 is accommodated.

The ticket receptacle is closed by a metallic or other bottom plate 7 which extends beneath each of the compartments 4 and is provided with longitudinal slots 8 located one beneath each compartment. Attached by screws 9 or other suitable means to the upper surface of the bottom plate 7 are guide plates 11 having dovetail edges 12.

The dovetail edges 12 form slideways for slides 13 which are each provided with corresponding dovetail edges 15 and at their front ends are furnished with handles 14. The slides are normally held in normal position as in Figure 1 by means of retaining springs 16. One end of each of these springs is attached to the front of one of the slides 13 or a back turned hooked extension 15′ thereof, and the other end of the spring is connected to a stud or other suitable projection 17 on the bottom plate 7.

Carried on the upper surface of each slide 13 adjacent its inner or rear end is an upstanding catch 18 which is adapted to engage behind the lowermost ticket of the stack as in Figure 1 and withdraw such ticket therefrom with the slide. Each slide is also provided with a stop 19, these stops being accommodated by the longitudinal slots 8 of the bottom plate to limit the outward movement of the slides by engagement with the front ends of said slots.

Extending across the front of the ticket receptacle adjacent its bottom is an upwardly and rearwardly inclined front plate 21. This plate may be secured in position by depending bolts 22 which pass through holes in the plates 7 and 11 and are retained therein by nuts 23. The upper portions of these bolts are inclined and flattened as at 24, these flattened portions being secured by rivets 26 to the front plate 21.

Formed in the plate 21 near the middle of each compartment 4 are two spaced outcuts indicated at 27. These outcuts form tongues which are rolled upwardly to form bearings 28 for hinge pins hereinafter described. Said outcuts also form between them an intermediate tongue 29 which is preferably bent outwards as shown to provide a limit stop for a hinged flap 30.

One of the flaps 30 is located above each of the slides 13 as shown the upper ends of the flaps being mounted on transverse hinge pins 31 the ends of which turn in the bearings 28. A plate spring 32 is secured at its lower end to each door 30 and bears at its upper end against the front plate 21 so that the doors are normally held down against the limit stops 29 and with their lower edges closely adjoining or touching the slides 13 as shown in Figure 1.

Attached to the front of the plate 21 by screws 33 is a transversely disposed distance piece 34 having gullets 36 therein to accommodate or clear the bearings 28 and the upper portion of the hinged flaps and plate springs as shown. Grooves or recesses 37 and 40 are also formed on the rear or inner side of the distance piece 34 above each slide 13 to clear the free upper end of the respective spring 32 and the parts 24 respectively.

A cover plate 38 extends across the front of the distance piece 34 and is also retained in position by the screws 33 which pass through holes in said cover plate and distance piece and into corresponding threaded holes in the fixed parts 24 and 21. Thus by removing the screws 33 the cover plate 28 and distance piece may be removed to give access to the hinged flaps and their controlling springs 32 for repair or other purposes.

The receptacle is preferably provided with a drop front 39 extending across the various compartments and hinged at 41 to the upper edge of the front plate 21. The ticket receptacle is also furnished with a hinged lid 42 which may be provided with a down-turned lip 43 adapted to fit over the upper part of the drop front 39 so that by fastening the lid in closed position with any suitable lock as at 44 an unauthorized person is prevented from gaining access to the tickets in the receptacle.

It will be evident that with the lid and drop front locked as above mentioned the tickets can only be withdrawn by pulling out the slides 13. This causes the upstanding catch 18 of the respective slide to engage behind and draw out the lowermost ticket of the stack which is resting on the slide. As the respective hinged flap 30 is engaged by the ticket it swings outwardly allowing the ticket to pass with the slide, but effectively prevents tickets being inserted at the bottom of the stack. When the ticket is removed from the slide the latter is returned to its normal position by the returning spring 16 and the next ticket then rests on the slide in front of the catch 18.

The construction above described is simple, inexpensive and efficient and is not liable to easy derangement. In addition it may be easily applied to existing ticket receptacles of the type commonly employed for the purpose indicated.

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

1. Improvements relating to the delivery of railway tickets and the like from storage receptacles, consisting in the combination with a ticket receptacle having a compartment adapted to accommodate a stack of tickets of a slide located at the bottom of said compartment and adapted to withdraw the tickets singly from the bottom of the stack therein, an upstanding front plate extending across the front of the ticket receptacle at its lower end and having spaced outcuts disposed immediately above the slide, said outcuts forming rolled tongues, a hinged flap having a transverse hinge pin bearing in said rolled tongues said flap being located at the front of said compartment immediately above the slide and a spring controlling said flap to hold it normally in closed position with its lower end adjoining the slide for the purpose set forth.

2. Improvements relating to the delivery of railway tickets and the like from storage receptacles, consisting in the combination with a ticket receptacle having a compartment adapted to accommodate a stack of tickets of a slide located at the bottom of said compartment and adapted to withdraw the tickets singly from the bottom of the stack therein, an upstanding front plate extending across the front of the ticket receptacle, at its lower end and having spaced outcuts disposed immediately above the slide, said outcuts forming tongues which are rolled to provide bearings, a hinged spring controlled flap having a transverse hinge pin accommodated by said bearings and an intermediate forwardly projecting tongue formed on said front plate between said rolled tongues said intermediate tongue acting as a limit stop to engage the hinged flap when the latter is in normal or closed position adjacent the slide for the purpose specified.

3. A device for the delivery of tickets, including a ticket receptacle formed in the front portion thereof with a ticket outlet, a slide operating through the receptacle to move the lowermost ticket through said outlet, a flap cooperating with the slide to close the ticket outlet, a spring engaging the flap to normally hold the same in ticket outlet closing relation, and a stop formed integral with the front of the receptacle to limit the outlet closing position of the flap under the influence of the spring, said stop projecting outwardly beyond the front of the receptacle.

4. A device for the delivery of tickets, including a ticket receptacle formed in the front portion thereof with a ticket outlet, a slide operating through the receptacle to move the lowermost ticket through said out-

let, a flap cooperating with the slide to close the ticket outlet, a spring engaging the flap to normally hold the same in ticket outlet closing relation, a stop formed integral with the front of the receptacle to limit the outlet closing position of the flap under the influence of the spring, and a cover plate secured to the front plate of the receptacle and overlying and completely housing the closing flap and operating spring therefor.

In testimony whereof I affix my signature.

C. R. PROSSER.

Witness:

CECIL W. L. CLESTINO.