

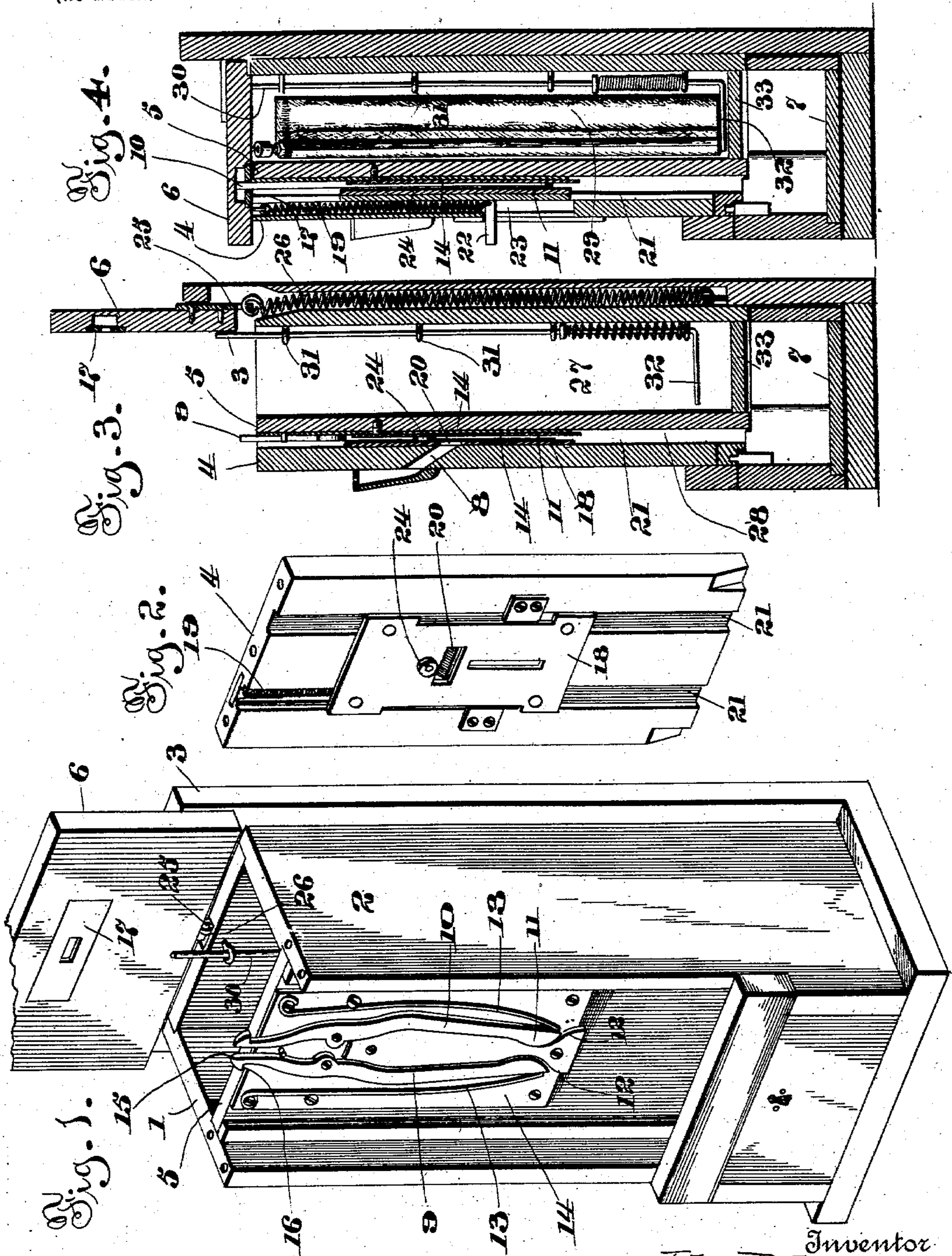
No. 629,199.

Patented July 18, 1899.

J. P. MORRIS.
PILLOW HOLDER.

(Application filed July 12, 1897.)

(No Model.)



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PILLOW-HOLDER.

SPECIFICATION forming part of Letters Patent No. 629,199, dated July 18, 1899.

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To all whom it may concern:

Be it known that I, JOHN P. MORRIS, of Cheyenne, in the county of Laramie and State of Wyoming, have invented certain new and useful Improvements in Railroad Pillow-Holders; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to a pillow-holder especially applicable to railway-coaches, waiting-rooms, &c., and adapted to be opened or operated by the deposition of a coin in a slot in the holder-casing and means connected therewith for unlocking the holder and giving the depositor of the coin access to the pillow contained within the holder.

It consists, in the combination with the pillow-holder, of the coin-actuated levers for unlocking the holder for giving access to the pillow, in a means for automatically opening the cover when released from the coin-actuated lever, and in the combination, with the holder lid or cover, of means for preventing the holder from being closed after the pillow has been removed until it has been restored to its place within the holder, as hereinafter described and claimed.

In the accompanying drawings, Figure 1 represents a perspective view of the pillow-holder with the front casing-plate removed and the cover thrown up to show the coin-actuated levers. Fig. 2 is a perspective view of the inner face of the front casing-plate detached. Fig. 3 represents a vertical section through the holder, showing the cover-spring and the plate or slide for holding the lid open after the pillow has been removed, in side elevation; and Fig. 4 is a similar view of the pillow in place in its compartment and the holder locked.

1 and 2 indicate the side walls of the holder; 3, the rear wall; 4, the front wall, and 5 the intermediate partition between the front and rear walls and arranged in close proximity to the front wall 4, as indicated in the sectional views.

6 indicates the cover or lid shown hinged in the present instance to the rear wall in such manner as to adapt it to open upward into the vertical position, as shown in the

sectional view Fig. 3, and 7 indicates a drawer or receptacle in the bottom of the holder for the reception of the coin or coins deposited in the slot in the front wall of the holder.

9 and 10 indicate substantially parallel upright levers pivoted intermediate their ends to the forward face of the partition-wall 5, said levers extending below the slot 8 in parallel relation to the wall 4, being expanded or separated below their pivots and intermediate said pivots and their lower ends in such manner as to adapt them to receive a coin passing through the slot between the arms of the levers. The levers are expanded on their inner faces at 11, adjacent to their lower ends, in such manner as to prevent the escape downward of the coin placed between the levers above said inwardly-expanded lower ends. The lower ends of the levers rest against stops or shoulders 12, which serve to limit their inward movement, and are held normally in contact with said stops by means of suitable springs 13, arranged on opposite sides of the levers 9 and 10. These springs, as also the levers, are shown secured to a face-plate 14, applied to the forward face of the partition-wall 5, and are secured to said face-plate in such manner as to hold the lower ends of the levers 9 and 10 pressed inward toward each other and against the stops which limit their inward movement. The levers 9 and 10 project above said pivots and above the wall of the casing and are provided on their upper ends with latches 15, either or both of which are shouldered, as indicated at 16, to adapt them to engage a perforated plate 17 in the lid or cover 6, the heel extensions of the levers being beveled or made tapering in such manner that as the lid is pressed down upon them the upper ends of the levers will be pressed together for allowing the socketed plate 17 to pass by the shouldered ends and engage the same for locking the pillow-holder in a manner that will be readily understood. To the inner face of the front wall 4, in suitable guides therein, is secured a sliding plate 18, connected at its upper end with a spiral spring 19, which rests within a groove in the upper face of the casing plate or wall 4 and is secured at its inner end to a pin or other suitable support in such manner as to hold said plate up, with the slot therein (indicated

at 20) in alinement with the slot 8 in the front wall of the casing-plate 4. The slide 18 moves in suitable ways or guides (indicated at 21) and is operated by means of a tongue or lever 22, passing out through a vertical slot 23 in the front wall of the casing in such manner as to enable the operator by pressing down upon said tongue or lever to depress the slide for a purpose which will appear.

Immediately above the slot 20 in the slide is secured a disk 24, which projects between the lever-arms 9 and 10, and the slide rests in its normal position above a coin passed between said arms through the slot 8. It will be seen that the slide 18 rests in close proximity to the outer face of the levers 9 and 10 in such manner as to effectually prevent the escape of the coin from between the lower expanded ends of said levers, except as the slide, with its disk or button 24, is forced downward by the operator, in which case the disk or button serves to force the coin downward between the expanded ends of the lever-arms, and in causing the escape of the coin between said ends the lower ends of the arms will be forced apart for permitting the escape of the coin and in so doing will throw the latch extensions of the upper ends of the arms together for releasing them from the socketed plate 17 in the lid or cover. The lid or cover is shown provided with a rearwardly-extending arm 25, connected at its outer end with a spiral spring 26, attached at its lower end to the rear wall-plate and resting in the groove therein. The tension of the spring is such as to immediately cause the lid or cover to fly open when the said levers are compressed by the action of the coin in forcing apart the lower ends thereof.

By the construction described it will be seen that the holder is divided into two compartments, the larger one (indicated at 27) inclosing the pillow and the shallow forward one (indicated at 28) inclosing the mechanism for locking and releasing the lid or cover, as explained.

29 indicates the pillow inclosed within the compartment 27, and which is made, preferably, in the form of an inflatable rubber or rubber fabric pillow provided with the usual valves through which it can be inflated and which serve to retain or prevent the escape of the air once forced into the pillow. This form of pillow is preferred, as it takes up less space than any other form and can be readily inflated when required for use in any usual or suitable manner.

30 indicates an upright rod secured within the pillow-compartment in suitable guides 31, which may be in the form of eye-screws, which permit the rod 30 to move upward and downward in the compartment. It is provided at its lower end with a projecting arm or apron 32, upon which the pillow rests when in place in the pillow compartment or holder, and which serves to press the apron 32 down against the lower wall 33 of the pillow-holder.

The rod 30 is provided with a suitable spiral or other form of spring, which when the apron or transverse arm 32 is relieved from the weight of the pillow serves to throw the upper end of the rod upward out of the pillow-compartment and in such manner as to lock the lid or cover open after the pillow has been removed from the pillow-holder, and thereby to prevent the closing of the lid or cover until the pillow has been replaced within the holder.

The pillow-holder constructed as described and used in connection with the inflatable pillow can be made to occupy very little space. It may be made of any suitable material, either metal or wood, and may be made ornamental or plain, according to the fancy of the manufacturer or the corporation or railroad desiring to use the same.

Under the arrangement described it will be seen that it will be practically impossible to open the pillow-holder except upon the dropping of a coin in the coin-slot for enabling the operator by the action of said coin and the button upon the slide acting thereby to separate the lever-arms 9 and 10 at their lower ends and bring their heel-extension latch ends together for releasing the cover. The movement of the slide is insufficient for causing the disk or button 24 to act upon the levers, and said button can only act upon the levers when a coin is interposed between it and the expanded lower ends of the levers.

The holder may of course be enlarged and made to accommodate pillows of a different construction from that referred to; but the construction shown and described is preferred as being light and as occupying comparatively little space at points where space is valuable.

Having thus described the invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A pillow-holder provided with a hinged lid, and upright levers adapted to engage said lid for holding it in its closed position, said levers being separated below their pivots to form opposing walls of a chute for receiving a coin for actuating said levers, substantially as described.

2. The combination with a pillow-holder having a hinged lid or cover, of yielding latch-levers for engaging said cover, said levers being extended beyond their pivots to receive between them a coin for actuating them to release the cover, and a slide for moving the coin from between said levers and thereby actuating them to release the lid, substantially as described.

3. In a pillow-holder provided with a hinged lid, a pillow-compartment and a separate compartment for the coin-actuated mechanism, the combination therewith of upright levers for engaging said lid, said levers being pivoted intermediate their ends and separated below their pivots to form opposing walls of a coin-chute, and at their lower ends provided with an inward projection adapted to hold

the coin, and means for forcing the coin past said projection, substantially as described.

4. The combination with a pillow-holder having a hinged lid or cover, of spring-actuated, parallel levers pivoted intermediate their ends and adapted to engage said lid for locking it in its closed position, said levers forming opposing walls of the coin-chute and provided with inturned projections for holding the coin, and a slide provided with a coin-slot and carrying a projection extending within said chute above the coin-slot, substantially as described.

5. The combination with a pillow-holder, of a hinged lid or cover, parallel upright latch-levers for locking said cover in its closed position, a spring for forcing said cover open when unlocked, coin-actuated extensions of the latch-levers forming opposing walls of the chute, and means for preventing the closing of the cover when the pillow is removed from the holder, substantially as described.

6. The combination with a pillow-holder having a hinged lid or cover, of latch-levers for locking said cover in its closed position, extensions of said levers beyond their piv-

otal points adapted to form opposing walls of a coin-chute, and a slide provided with a projection moving within said chute for engaging the coin and causing it to operate said levers, substantially as described.

7. The pillow-holder comprising a holder-compartment, a hinged lid or cover therefor, and a separate compartment for the coin-actuated mechanism, the combination thereof with of upright levers forming opposing walls of the coin-chute and adapted at their lower ends to engage and hold a coin, a holder-casing provided with a coin-slot, a slide adjustable longitudinally of the chute having a coin-slot in alinement with the casing-slot, and opening into the coin-chute and provided above said slot with a projection extending within the coin-chute, substantially as and for the purpose described.

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

JOHN P. MORRIS.

Witnesses:

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A. J. SCHILLING.