Oct. 12, 1937. J. RIESS ET AL 2,095,891

LOCK

Filed Jan. 6, 1937

Fig. 1.

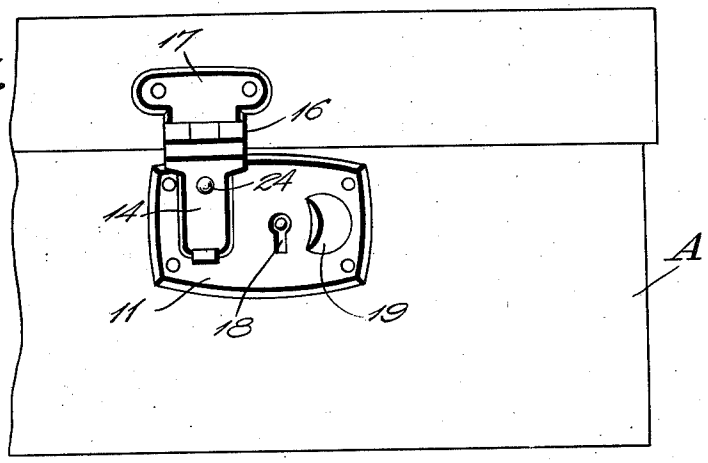


Fig. 2.

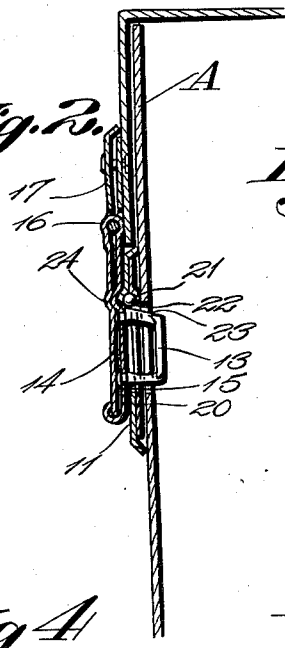


Fig. 3.

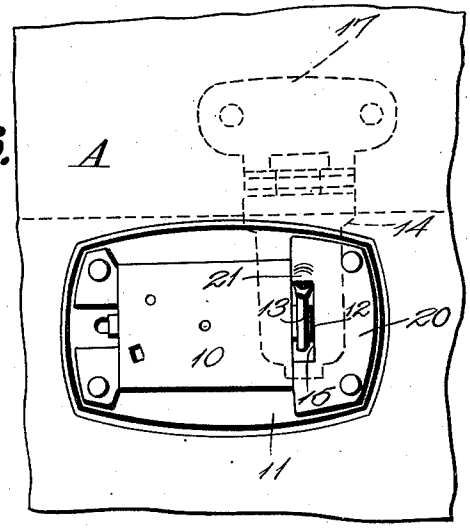


Fig. 4

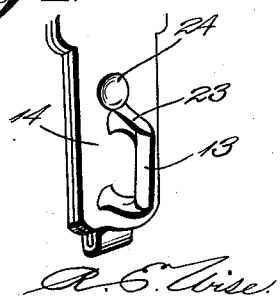
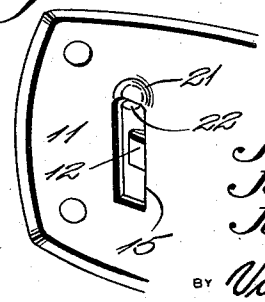


Fig. 5.



John Riess
John Igoe
Joseph J. Ward
INVENTORS

BY Victor J. Evans & Co.
ATTORNEYS

WITNESS

Patented Oct. 12, 1937 2,095,891

UNITED STATES PATENT OFFICE

2,095,891

LOCK

John Riess, John Igoe, and Joseph J. Ward,
St. Louis, Mo.

Application January 6, 1937, Serial No. 119,344

1 Claim. (Cl. 292—281)

The invention relates to a lock and more especially to hasp locks for trunks, suitcases or the like.

The primary object of the invention is the provision of a lock of this character, wherein a bearing ball or roller is located at the top of the hasp lug slot so that the lug will release quickly when freed by a locking bolt controllable by a key or a release knob so that there is little likelihood or chance of the hasp lug becoming stuck within the slot accommodating the same.

Another object of the invention is the provision of a lock of this character, wherein the construction thereof is novel and assures the easy locking and unlocking operation in the use of the lock.

A further object of the invention is the provision of a lock of this character, which is simple in its make-up, reliable and effective in operation, and inexpensive to manufacture and install.

With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts as will be hereinafter more fully described, illustrated in the accompanying drawing, which discloses the preferred embodiment of the invention and pointed out in the claim hereunto appended.

In the accompanying drawing:

Figure 1 is a fragmentary elevation showing the lock constructed in accordance with the invention.

Figure 2 is an enlarged fragmentary vertical transverse sectional view through the lock.

Figure 3 is an elevation looking toward the inner side of the lock, the hasp thereof being in dotted lines and in locked position.

Figure 4 is a fragmentary perspective view looking toward the inner face of the hasp of the lock.

Figure 5 is a fragmentary perspective view looking toward the front of the lock.

Similar reference characters indicate corresponding parts throughout the several views in the drawing.

Referring to the drawing in detail, A designates generally a portion of a trunk, suitcase or the like to which the lock constituting the present invention is applied. This lock comprises a housing body 10 carried on an attaching front plate 11 which is secured in place to the trunk, suitcase or the like A in any desirable manner. Within the housing 10 is a latching slide bolt 12 for engaging in a hasp lug 13 of a swinging hasp 14, the hasp lug being insertable through a slot 15 provided in said plate 11 and when the bolt is engaged in the lug the trunk, suitcase or the like will be locked.

The hasp 14 is hinged at 16 to an attaching plate 17 as is usual.

The bolt 12 is controllable by a key (not shown) when inserted in a key hole slot 18 in the plate 11 or by a push knob or button 19, the bolt being preferably urged into locking position with the lug 13 on the hasp 14 and is released by the key or by the knob or button 19, the latter being manually moved.

Secured to the inner face of the plate 11 is a suitable retaining plate 20 which with the said plate 11 at the upper end of the slot 15 has outstruck therefrom bulges 21 companions to each other for the seating therein of a bearing ball or roller 22 which is loosely anchored between the plates 11 and 20 and slightly extends into the slot 15 for the lug 13. This lug 13 at its top edge is formed with a beveled flat face contact 23 for the engagement of the ball or roller 22 therewith so as to assure the quick insertion and release of the said lug 13 in and from the slot 15. The hasp 14 next to the contact 23 is formed with a socket 24 for accommodating the outward bulge 21 of the plate 11 when the said hasp 14 is closed against the said plate 11. This closed position of the hasp 14 brings the lug 13 within the slot 15 with the contact 23 engaged at its high portion with the ball or roller 22 loosely seated between the plates 11 and 20. Thus when the bolt 12 is released from the lug 13, this contact 23 cam acts for the quick release of the lug 13 from the slot 15 assuring the easy opening of the lock.

What is claimed is:

The combination of a lock having a swinging hasp provided with a lug received by said lock, a cover plate fitted over said lock to be interposed between it and the hasp and having a lug-receiving opening for the reception of the lug on said hasp, a retaining plate carried by the said cover plate and above the opening in the latter, the said cover and retaining plates being reversely bulged to provide a socket above said opening in the cover plate, and a ball loosely held in said socket for contact with the lug on the hasp and adapted to ride upon said lug, the contacting area of the lug with the ball being beveled for disposition at an outward inclination away from the hasp and having a channeled runway for the said ball.

JOHN RIESS.
JOHN IGOE.
JOSEPH J. WARD.