

L. C. BAILEY.  
 CURTAIN FASTENER.  
 APPLICATION FILED APR. 4, 1910.

962,879.

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Fig. 1.

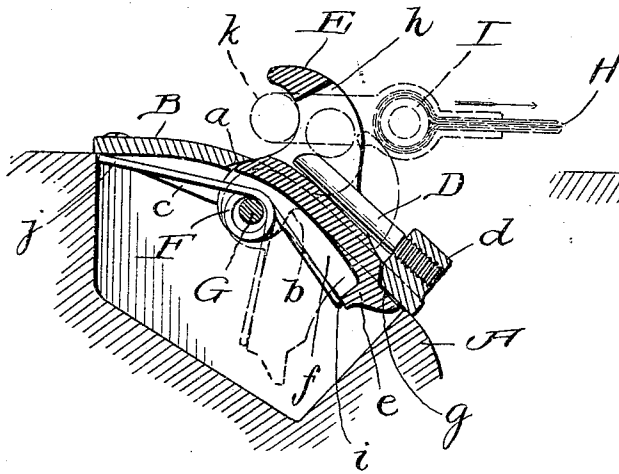


Fig. 2.

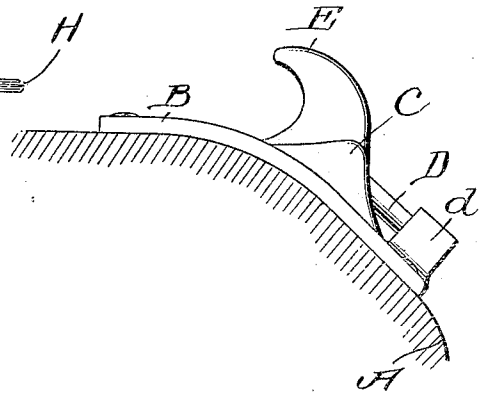


Fig. 3.

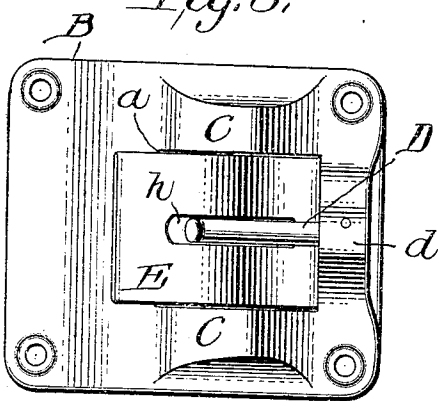
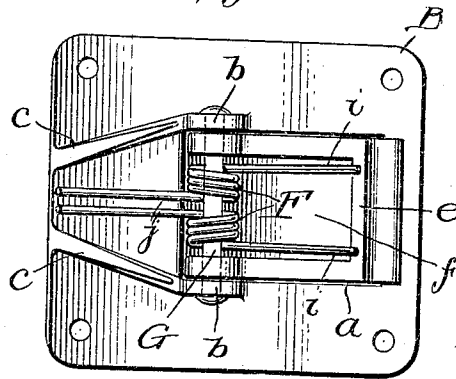


Fig. 4.



Witnesses

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# UNITED STATES PATENT OFFICE.

LORENZO C. BAILEY, OF CHICAGO, ILLINOIS.

CURTAIN-FASTENER.

962,879.

Specification of Letters Patent. Patented June 28, 1910.

Application filed April 4, 1910. Serial No. 553,303.

To all whom it may concern:

Be it known that I, LORENZO C. BAILEY, citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Curtain-Fasteners, of which the following is a specification.

My present invention pertains to curtain fasteners; and it has for its object to provide a fastener, of simple, compact and durable construction, calculated under ordinary conditions to securely hold a curtain, and also calculated when the curtain is subjected to extraordinary pull to displace and release the same and in that way avoid injury to the curtain.

The fastener is adapted for holding a curtain such as used in connection with vestibule cars as well as other curtains, and its construction and practical advantages will be fully understood from the following description and claims when the same are read in connection with the drawings accompanying and forming part of this specification, in which:

Figure 1 is a sectional view illustrating the manner in which my novel fastener operates to hold a curtain under normal conditions. Fig. 2 is a plan view of the fastener *per se*. Fig. 3 is a face view of the fastener, and: Fig. 4 is a back or interior view of the same.

Similar letters designate corresponding parts in all of the views of the drawings, referring to which:

A is a suitable support which, in the present application of my invention, is a portion of a railway car body, and B is the body of my novel fastener. The said body B is fixed on the support A by suitable means such as screws, and is provided with an opening *a* and with interior apertured lugs *b* disposed at opposite sides of the rear portion of said opening. It will also be seen by comparison of Figs. 1 and 4, that on its inner side the body B is provided with rearwardly converged ribs *c* which serve to lend increased strength to the rear portion of the body and also serve to receive between them the rearwardly directed arms of the springs, hereinafter described. On its outer side and at opposite sides of the opening *a* the body B is provided with protuberances C which are preferably tapered outwardly as shown, and are designed to operate after the manner of cams in assisting in the dis-

placement of the handle of the curtain, as hereinafter set forth. At its forward end and in front of the opening *a* the body B is provided with an outwardly projecting lug *d*, and fixed with respect to the said lug and extending rearwardly therefrom about the proportional distance illustrated, is a pin D designed to assist in the displacement of the curtain handle.

In addition to the body B my novel fastener comprises a hook E that is capable of being swung on the body, and two (more or less) springs F, which have for their office to yieldingly retain the hook in the position illustrated and to return said hook to said position when the hook is released or relieved of pull. The hook E is pivoted on a pin G mounted in the lugs *b* of the body B, and comprises an inner arm *e* which is preferably chambered as indicated by *f*, and is adapted at *g* to bring up against the inner side of the forward portion of the body, and an outer arm which extends through and is movable in the opening *a* of the body, and is provided with a slot *h* in which the pin D is disposed as clearly shown in Figs. 1 and 3. The springs F of which two are preferably employed, respectively comprise an intermediate portion coiled about the pin G, a forwardly directed arm or terminal *i* which bears against the inner side of the hook arm *e*, and a rearwardly directed arm or terminal *j* which is disposed between the before mentioned ribs *c* and bears against the inner side of the body B at or adjacent the rear end thereof. From this it follows that the said springs will yieldingly hold the hook E in the position shown by full lines in Fig. 1, until the outer arm of the hook is subjected to extraordinary pull toward the right, and will then permit the said hook to swing to the position shown by dotted lines in said figure. It also follows that when the curtain handle is released from the hook, the springs F will promptly return the hook to the position shown by full lines.

H is the curtain, and I is the curtain handle, which latter is provided with a transverse portion *k* adapted to be held by the hook after the manner shown by dotted lines in Fig. 1.

It will be readily understood from the foregoing that when the curtain H is subjected to extraordinary pull in the direction indicated by the arrow in Fig. 1, the outer

arm of the hook E will be pulled, against the action of the spring F, in the same direction, whereupon the protuberances C and the pin D by acting against the transverse portion  $\frac{1}{2}$  of the curtain handle, will displace said handle from the hook and thereby release the curtain.

While I have shown and described one form of my invention, it is to be understood that I am not limited to the details or the form or relative arrangement of parts disclosed, but that extensive modifications may be made therein without departing from the spirit thereof.

Having described my invention, what I claim and desire to secure by Letters-Patent, is:

1. A curtain fastener comprising a body having an opening and also having inner lugs at opposite sides of the rear portion of the opening and an exterior lug in front of the opening and further having exterior protuberances at opposite sides of the opening; a pin fixed with respect to and extending rearwardly from the said exterior lug; a pin mounted in the interior lugs of the body; a hook pivoted on said pin and having an inner chambered arm arranged to bring up against the inner side of the forward portion of the body and also having an outer arm disposed between the exterior protuberances of the body and provided with a slot in which the said rearwardly directed pin is disposed, and a spring coiled about the second-named pin and having a forwardly directed arm arranged to bear against the inner arm of the hook and also having a rearwardly directed arm arranged to bear against the inner side of the rear portion of the body.

2. A curtain fastener comprising a body having an opening and also having exterior protuberances at opposite sides of said opening; a pin fixed with respect to the forward portion of the body and extending rearwardly outside the body; and a spring-pressed hook pivoted to the body and movable in the opening thereof and having an inner arm arranged to bring up against the

body and also having an outer arm slotted and receiving in its slot the said pin. 50

3. A curtain fastener comprising a body having an opening; a pin fixed with respect to the forward portion of the body and extending rearwardly outside the body; and a spring-pressed hook pivoted to the body and movable in the opening thereof and having an inner arm arranged to bring up against the body and also having an outer arm provided with a slot which receives the said pin. 55 60

4. A curtain fastener comprising a body having an exterior protuberance; a pin fixed with respect to the forward portion of the body and extending rearwardly; and a hook pivotally connected with the body and yieldingly held against movement in one direction and arranged parallel to said protuberance and pin. 65

5. A curtain fastener comprising a body having an exterior protuberance; a pin fixed with respect to the forward portion of the body and extending rearwardly; and a hook pivotally connected with the body and yieldingly held against movement in one direction and arranged alongside said protuberance and having a slot receiving the said pin. 70 75

6. A curtain fastener comprising a body; a pin fixed with respect to the forward portion of the body and extending rearwardly; and a hook pivotally connected with the body and yieldingly held against movement in one direction and having a slot receiving the said pin. 80

7. A curtain fastener comprising a body; a pin fixed with respect to the forward portion of the body and extending rearwardly; and a hook pivotally connected with the body and yieldingly held against forward movement in the direction of the length of the pin. 85 90

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

LORENZO C. BAILEY.

Witnesses:

OLIVE SEBORG,  
SADIE MURPHY.