

C. C. KUSTERER.
FASTENER FOR SECURING DOORS.
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960,961.

Patented June 7, 1910.

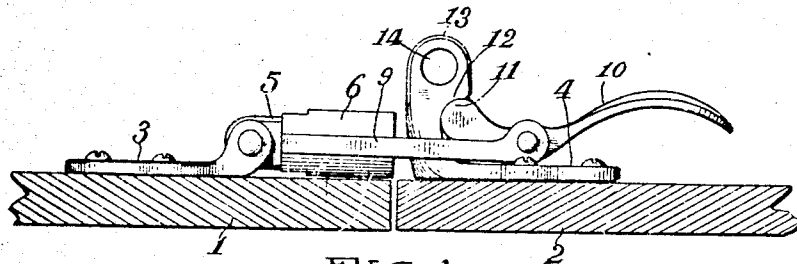


FIG. 1.

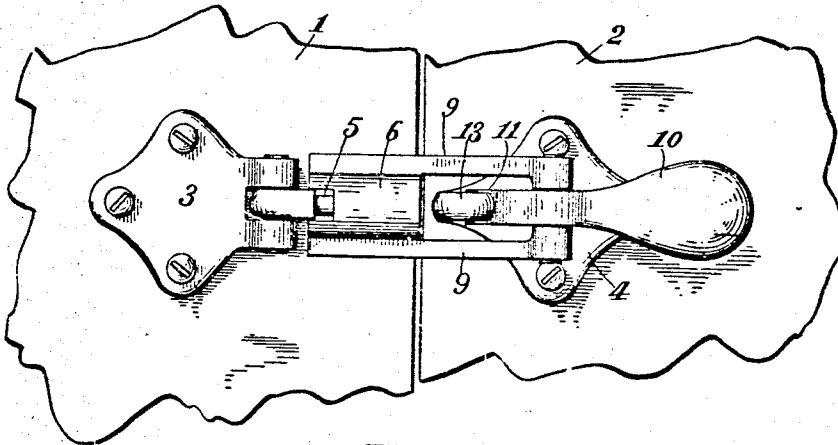


FIG. 2.

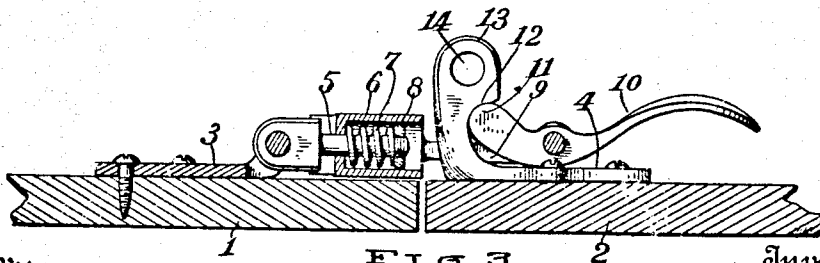


FIG. 3.

Witnesses
H. O. Van Antwerp
Georgiana Phace

Inventor
CARL C. KUSTERER
BY Luther V. Moulton
Attorney

UNITED STATES PATENT OFFICE.

CARL C. KUSTERER, OF GRAND RAPIDS, MICHIGAN, ASSIGNOR TO ISAAC H. KEELER
AND MINER S. KEELER, BOTH OF GRAND RAPIDS, MICHIGAN.

FASTENER FOR SECURING DOORS.

960,961.

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To all whom it may concern:

Be it known that I, CARL C. KUSTERER, a citizen of the United States of America, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Fasteners for Securing Doors; 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.

My invention relates to improvements in fasteners for securing doors or other closures, and more particularly to devices which are adjustable to conform to any slight variation and hold the door securely without any looseness or chance for vibration.

My invention consists essentially of a device adapted to be attached to the fixed and movable parts of a structure, such as a door and its casing, or a box and its cover, one part of said device being in the nature of a post having a recess therein, and the other a pivoted hasp longitudinally adjustable and with a yoke adapted to embrace the post, and a pivoted lever adapted to engage the post, the pivot of which adjusts toward and from the pivot of the hasp member to closely engage the post and lever and take up any slack therebetween, and thus firmly hold the door to which the device is attached, and also adjust to any variation by shrinkage or swelling of the door or casing, as will more fully appear by reference to the accompanying drawings, in which:

Figure 1 is a side elevation of a device embodying my invention; Fig. 2 a plan view of the same; and, Fig. 3 a longitudinal section of parts of the same to further illustrate the construction.

Like numbers refer to like parts in all of the figures.

1 and 2 represent the two parts of any structure to which my device may be applied, such as a door and its casing. To these respective parts 1 and 2 are securely attached plates 3 and 4, to which said plate 3 is pivoted one end of a pin 5, by means of a head on the pin arranged between lugs on the plate and journaled on a pin extending through the lugs and head, on which pin is mounted a longitudinally movable casing 6 in which is preferably inclosed a spring 7 surrounding the pin 5, engaging the casing

at one end, and a washer or nut 8 on the end of the pin at the other end. This spring is compressed within the casing and tends to expand and force the casing toward the pivot of the pin. In some cases 60 screw threads on the casing and pin may be substituted for the spring, and the casing longitudinally adjusted by turning the screw, instead of automatically adjusted by the spring.

Fixed on the casing and extending between the members 1 and 2 and above the plate 4, is a yoke 9 in which is pivoted a lever 10 journaled on a pin extending through the other ends of the yoke and having an upturned and rounded end between the members of the yoke and extending upward at an inclination from its pivot above the line drawn between the pivots of the pin 11 when the same is locked. This rounded end 75 11 engages a recess 12 in the side opposite the plate 3 of an outwardly projecting post 13 on the plate 4. This post is also provided with an opening 14 in which can be inserted any convenient padlock to secure 80 the device as occasion requires. The axis of the rounded end 11 being adapted to swing through the plane of the pivots of the pin 5 and lever 10 beyond the same, tends to hold the yoke in place when closed 85 and prevent the same from being accidentally opened by any vibration that may occur, the device being especially adapted to be used on vehicles and the like. In opening and closing this device, the spring 7 90 will yield and thus permit the end 11 to pass the plane of the pivots of the pin and lever, and again contract to hold the parts in close relation. If this yielding contact is not required, a screw adjustment pro- 95 posed can be used and the device will be operative.

What I claim is:—

1. A fastener, comprising a pin pivoted at one end, a post having a recess in the side opposite to the pin, a case adjustable on the pin, a yoke extending from the case and embracing the post, and a lever pivoted in the end of the yoke and engaging the recess in the post. 100 105

2. A fastener, comprising two plates, a pin pivoted at one end to one plate, a post on the other plate having a recess in the side opposite from the pin, a case slidable on the pin, a spring in the case adapted 110 115

to move the case toward the pivot of the pin, a yoke fixed at one end to the case and embracing the post, and a lever pivoted in the other end of the yoke and engaging the recess of the post.

3. A fastener, comprising a pin pivoted at one end, a post having a recess in the side opposite to the pin, means for separately attaching the pivoted end of the pin and the post, a yoke movably connected to the pin at one end and embracing the post, a lever pivoted in the other end of the yoke engaging the recess in the post and adapted to swing through the plane of the pivots, and a spring on the pin adapted to yieldingly force the yoke toward the pivot of the pin.

4. A fastener, comprising two plates adapted to be respectively secured to a door

and a casing, a pin pivoted at one end to one plate, a post on the other plate having a recess in the side opposite to the pin, a casing movable on the pin, a spring surrounding the pin and engaging the casing at one end and engaging a nut or washer on the pin at the other end, a yoke fixed on the casing at one end and embracing the post, a lever pivoted in the end of the yoke and having a rounded end engaging the recess in the post, said end being adapted to swing through the plane of the said pivots and beyond the same.

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

CARL C. KUSTERER.

Witnesses:

GEORGIANA CHACE,
MINNIE JOHNSON.