

A. RISPEL.
DOOR CHECK AND HOLDER.
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1,035,235.

Patented Aug. 13, 1912.

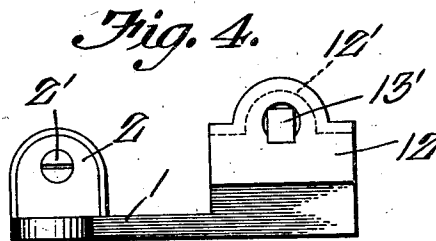
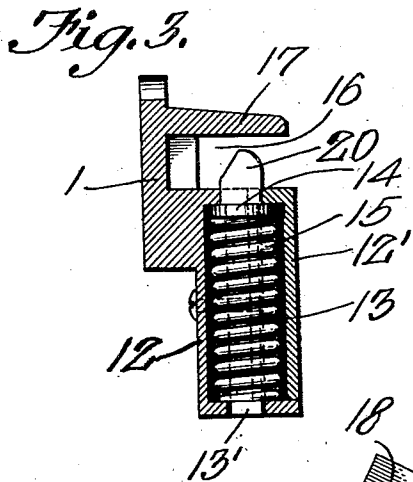
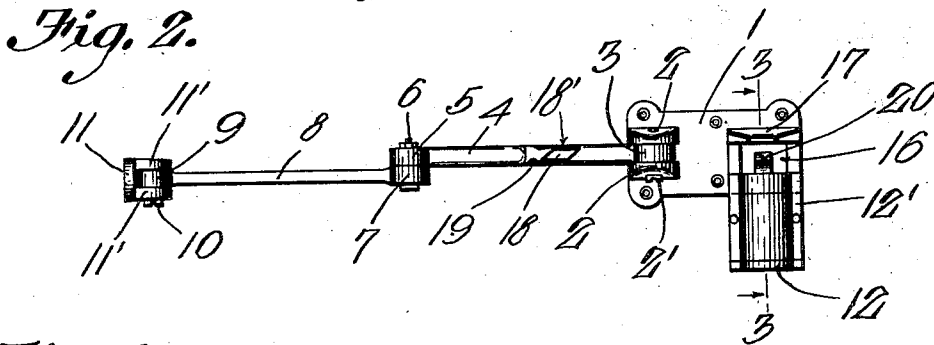
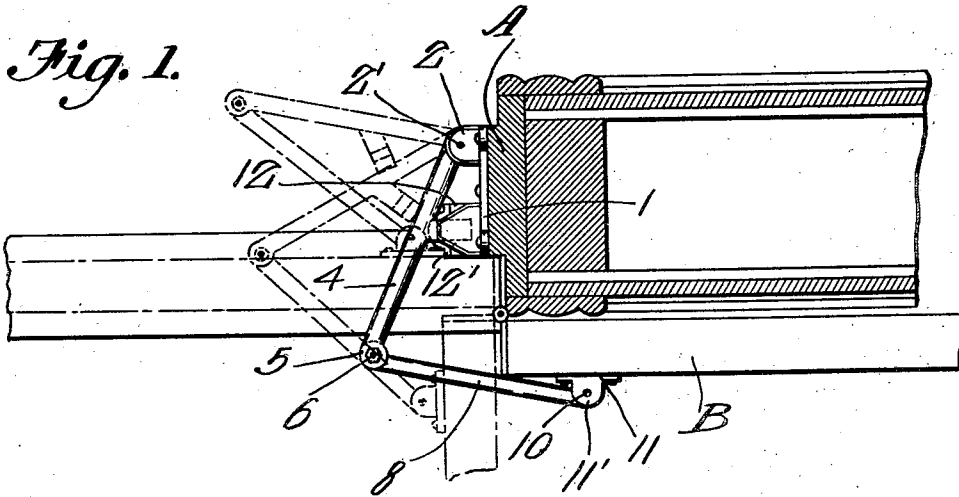


Fig. 5.

Witnesses
J. P. [Signature]
L. H. [Signature]

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UNITED STATES PATENT OFFICE.

ALEXANDER RISPEL, OF CHICAGO, ILLINOIS.

DOOR CHECK AND HOLDER.

1,035,235.

Specification of Letters Patent.

Patented Aug. 13, 1912.

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To all whom it may concern:

Be it known that I, ALEXANDER RISPEL, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Door Check and Holder, of which the following is a specification.

This invention relates to improvements in door check and holders, the primary object of the invention being the provision of a device adapted to be connected to the door jamb or casing and to the door, the same being a series of links or levers and provided with means carried by one of said links adjacent to one of the connections thereof and by one of the plates at the connection, whereby the link is held fast by means of a spring catch to retain the door in the desired position.

A further object of the invention is the provision of a door check and holder, one of the connecting members of which is provided with a casing in which is mounted a spring actuated lock or pin co-acting with an oppositely disposed lug in combination with two links, one of said links being connected to the door while the connection carrying the casing and spring is connected to the door casing, the link pivoted to the casing being provided with a peculiar shaped lock or lug adapted to engage the spring actuated lock and be impinged against the lugs to retain the door check or holder in the extended or door open position.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of invention herein disclosed can be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawings—Figure 1 is a sectional view through the door casing and door showing the door held in open position, dotted lines showing the position of the holder when the door is closed. Fig. 2 is an elevation of the device extended. Fig. 3 is a section taken on line 3—3 of Fig. 2. Fig. 4 is a rear elevation of the connecting device carrying the trigger or lock. Fig. 5 is a detailed view of a portion of the link carrying the catch or lug.

Referring to the drawings, A designates

the door casing or jamb and B the door as clearly illustrated in Fig. 1, and connected to the door casing is the plate or base 1, while connected to the door is a plate 11 carrying the eyed lugs 11', between which are connected the links for properly holding the door in closed or open position or in an intermediate position as shown in Fig. 1.

The plate 1 as clearly shown, is provided with a pair of eyed lugs 2 in which is mounted the inner end 3 of the inner link 4, a pivot 2' pivoting said link to the eyed lugs 2. The opposite end of the link or arm is provided with an eye 5 through which passes a pin 6 by means of which the said eye 5 is pivoted to the eyed terminal 7 of the other link or member 8 of the device, the said link 8 being provided with an eyed terminal 9, which is pivoted by means of the pin or pivot 10 to the eyed lug 11' of the plate 11.

It will thus be seen that the device is composed primarily of two connecting plates, one of which is adapted to be connected to the door jamb and the other to the door with two arms or links interposed therebetween and so mounted as to slightly retard the swinging of the door in either direction to prevent the slamming thereof.

Carried by the plate 1 and formed at right angles to one end thereof is a casing or cylinder 12 provided with a removable cover 12', and in this casing is mounted for reciprocation a bolt or pin 13 provided with a rigid collar 14, which forms an abutting means for the outer terminal of the spring 15 which is mounted in said casing and surrounds the bolt or pin 13 so as to exert an outward tension and to present the locking end 20 of the bolt or pin in the space 16 and adjacent to the co-acting stationary or integral lug 17 of the plate 1. Formed integral with the arm or link 4 intermediate of its ends and upon the side adjacent to the plate 1, when the same is in extended position, is a lug or catch 18 which is provided with a pointed end terminal 18' and with a rib or groove 19 intermediate of the end and link, the same being so disposed that when the device is in the position it assumes as shown in Fig. 1, the said point 18 will be between the lug 17 and the casing 12 and the locking end 20 of the bolt 13 will be in engagement with the groove 19 of the lug 18 thus locking the said lug between the end

of the bolt and the lug 17 so that the door will be held in the position as shown in Fig. 1 and cannot be very readily displaced until desired by the usual closing manipulation thereof. In order to prevent the bolt or pin from turning within the casing 12, the outer end at 13' is shouldered and is mounted in a rectangular opening in the wall of the casing 12, the said bolt having a reciprocating motion within the same and guided by the opening in the end of the said casing 12.

What is claimed is:

1. A door check and holder, comprising two links pivoted together, a securing plate to be fastened to the door and to which the outer end of one link is pivoted, a projection upon the inner face of the other link and in the plane of movement of the two links, a plate to be fastened to the door casing, a casing carried by said plate, a spring actuated locking bolt mounted in said casing and having its engaging end normally beyond the casing, and a lug disposed in spaced relation to, but in parallel with the outer end of the casing, the space between the lug and casing being positioned to receive the projection of the link when the links are extended, the bolt locking the projection against the lug to retain the links in extended position.

2. A door check and holder, comprising two links pivoted together, a securing plate

to be fastened to the door pivotally attached to one end of one of the links, another plate pivotally connected to the end of the other link and disposed to be secured to the door casing, a projection formed integral upon the face of the link connected to the last plate and upon the face adjacent to said plate, said projection being web-shaped and formed at an angle that inclines toward the pivot to the last mentioned plate, a casing carried by said last mentioned plate, a spring actuated locking bolt mounted in said casing and having its engaging end normally without the casing, a lug disposed in spaced relation to but in parallel with the outer end of the casing and toward which the outer end of said bolt projects, the space between the lug and casing being positioned to receive the projection of the link when the links are extended, whereby the entrance of the projection between the lug and casing depresses the locking bolt to cause the locking bolt to engage the projection of the link and lock the same against the lug.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

ALEXANDER RISPEL.

Witnesses:

LOUIS LIEDTKE,

RUDOLPH BRUNKHERST.