

No. 879,174.

PATENTED FEB. 18, 1908.

H. HUNTER.
SCREEN DOOR CATCH AND LOCK.
APPLICATION FILED OCT. 25, 1906.

FIG. 1

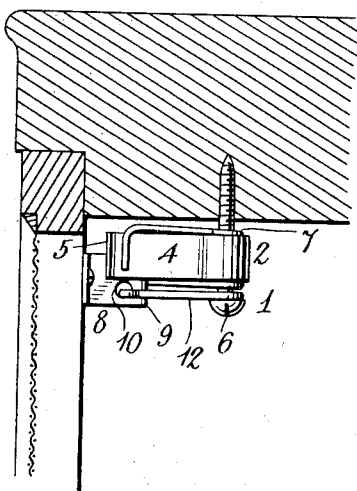


FIG. 2

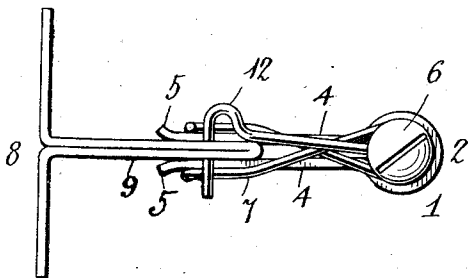
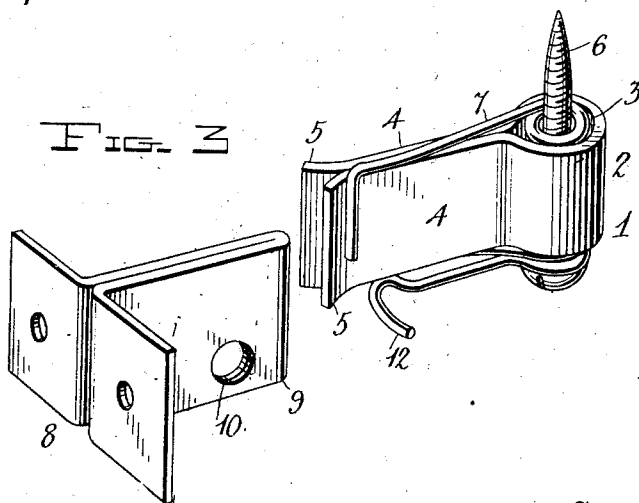


FIG. 3



Witnesses
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UNITED STATES PATENT OFFICE.

HOMER HUNTER, OF PRESCOTT, ARIZONA TERRITORY, ASSIGNOR OF FORTY ONE HUNDREDTHS TO ALFRED L. LITTLE, OF PRESCOTT, ARIZONA TERRITORY.

SCREEN-DOOR CATCH AND LOCK.

No. 879,174.

Specification of Letters Patent.

Patented Feb. 18, 1908.

Application filed October 25, 1906. Serial No. 340,520.

To all whom it may concern:

Be it known that I, HOMER HUNTER, a citizen of the United States, residing at Prescott, in the county of Yavapai and Territory of Arizona, have invented certain new and useful Improvements in Screen-Door Catches and Locks; and I do 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.

This invention relates to improvements in screen door catches.

The object of the invention is to provide a screen door catch and check adapted to be applied to a screen door, means being provided whereby the door may be fastened in any desired position, as when closed and the parts of the catch engaged.

With the above and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be hereinafter described and claimed.

In the accompanying drawings:—Figure 1 is a vertical sectional view through a portion of a screen door and jamb, showing the application of the invention thereto; Fig. 2 is a bottom plan view of the parts of the device showing the same engaged; and Fig. 3 is a perspective view of the device, showing the parts separated.

Referring more particularly to the drawings, 1 denotes the jamb member of the catch, said member comprising the keeper 2, which is here shown and is preferably formed of a strip or plate of spring metal bent to form an eye or passage 3 and laterally-projecting substantially parallel clamping plates 4, the ends of which are bent or flared outwardly, as shown at 5.

Adapted to be inserted through the eye or passage 3 is a screw or other fastening device 6 adapted to be screwed into engagement with the upper cross piece of the door jamb to hold said keeper in place thereon. In the eye or passage 3 and coiled around the screw 6 is a spring 7, one end of which extends outwardly above the keeper, and has its end bent downwardly into engagement with the outer side of one of the clamping plates 4 while the opposite end of the spring projects outwardly beneath the keeper and has its end bent upwardly into engagement with the outer side of the opposing clamping plate.

The tension of said spring ends is exerted to press the clamping plates 4 together or toward each other.

The door member 8 of the catch is preferably formed from a single piece or plate of metal bent upon itself midway between its ends to form a tongue 9, at the inner end of which the ends of the plate are bent in opposite directions at right angles to the tongue 9 and are provided with holes through which screws are inserted to attach said member to the door frame. The door member 8 is secured to the door or screen frame in such position that when the latter is closed the tongue 9 which is preferably flat, will be projected between the flat clamping plates 4, which will grip the same and hold the door in closed position. The gripping action of the plates 4 upon the tongue 9 serves as a catch and check when the door is violently swung to a closed position, thereby preventing the slamming or banging of the door.

The tongue 9 is provided with a retaining portion or surface, as by means of a perforation 10, with which is adapted to be engaged a hook 12 pivotally mounted upon the lower end of the keeper screw 6, whereby when the door is swung to, the same may be locked in a closed position.

While I have shown the keeper as being provided with a coil spring to increase the resistance of the clamping plates 4, it is obvious that the keeper may be employed without the use of the spring, the gripping action of the clamping plates being provided for by the yielding qualities or spring of the metal from which the keeper is formed.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

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

1. A screen door catch comprising a flat member having a perforation in its lower edge and provided with a base for securing it in position, a clamping member having an eye at one end and flaring plates at the other adapted to engage with said flat member above said perforation, a fastening screw through said eye, and a hook on the screw between its head and the eye, the free end of the hook being adapted to enter said perfo-

ration and hold said plates from being withdrawn from said flat member.

2. A screen door catch comprising a plate of resilient material folded upon itself to form an eye at one end and having its free ends flared or bent away from each other, a screw through said eye to hold the catch in position, and a flat tongue adapted to be forced between said free ends and provided with a perforated base for securing it in position.

3. In a screen door catch and lock, a metallic plate folded upon itself to form an eye and having its free ends in yielding contact, a wire coil in said eye, the ends of which are bent in opposite directions and engage with

said free ends to assist in holding them together, a screw through said coil, a hook on the screw between its head and the coil, and a member constructed to be attached to the door and having a tongue adapted to enter between and be engaged by said free ends, said tongue being provided with a perforation for the reception of said hook.

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

HOMER HUNTER.

Witnesses:

JOHN H. ORTHEL,
F. G. McCoy.