

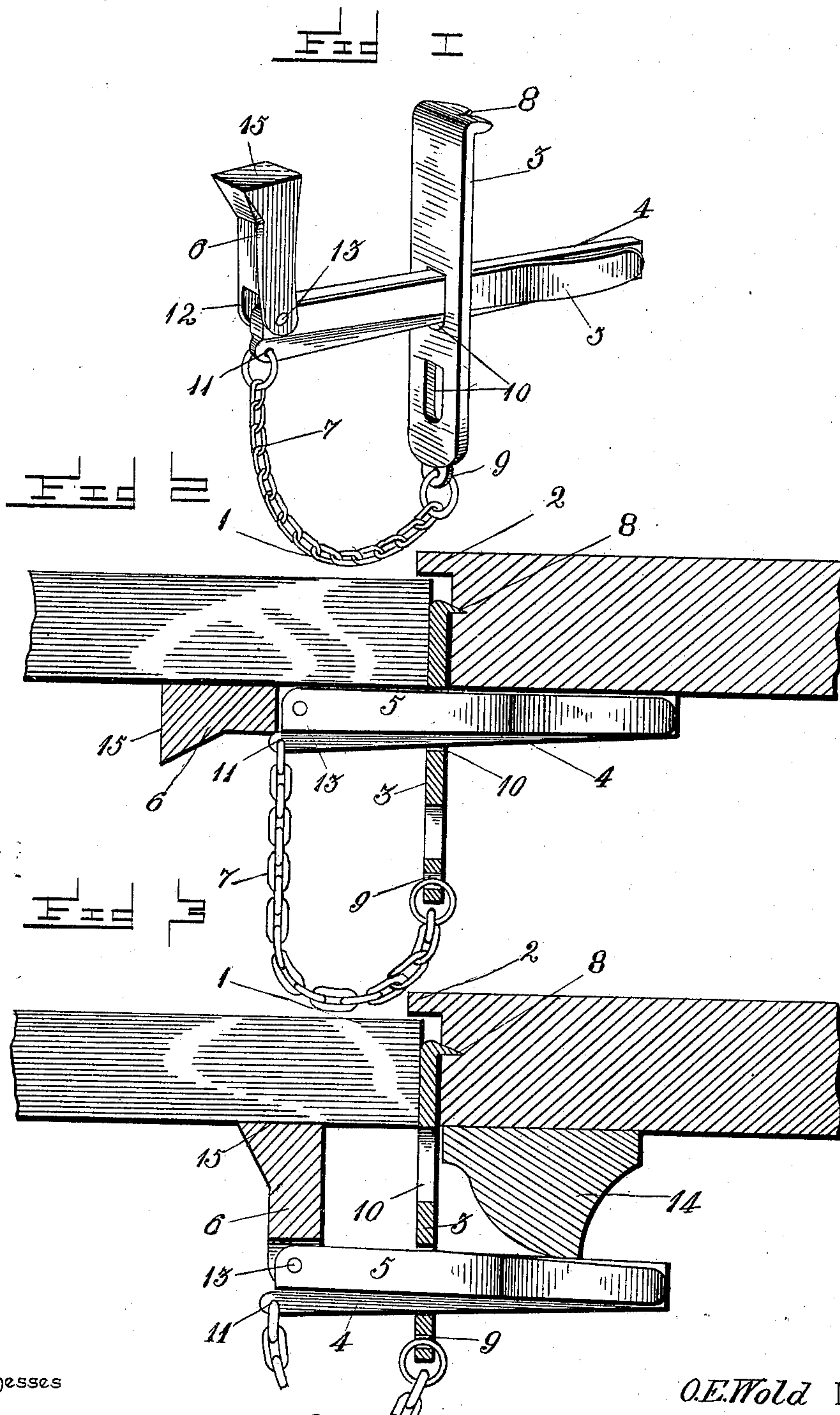
No. 628,735.

Patented July 11, 1899.

O. E. WOLD.
DOOR FASTENER.

(Application filed Mar. 1, 1899.)

(No Model.)



Witnesses

John Maupin.

[Signature]

By his Attorneys,

O.E. Wold Inventor

[Signature]

UNITED STATES PATENT OFFICE.

OLE E. WOLD, OF COLCHESTER, ILLINOIS.

DOOR-FASTENER.

SPECIFICATION forming part of Letters Patent No. 628,735, dated July 11, 1899.

Application filed March 1, 1899. Serial No. 707,273. (No model.)

To all whom it may concern:

Be it known that I, OLE E. WOLD, a citizen of the United States, residing at Colchester, in the county of McDonough and State of Illinois, have invented a new and useful Window or Door Securer, of which the following is a specification.

This invention relates to door and window securers, and has for its object to provide a simple and improved device of this character which may be carried in the pocket and is applicable to any door or window.

To these ends the present invention consists in the combination and arrangement of parts, as will be hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the appended claim.

In the drawings, Figure 1 is a perspective view of the device. Fig. 2 is a transverse sectional view showing the device applied to a door having a flush frame. Fig. 3 is a similar view showing the device applied to a door having a frame provided with a raised bead or molding.

Corresponding parts are designated by like reference characters in all the figures of the drawings.

Referring to the accompanying drawings, 1 designates the movable edge of a door, which closes against the door-jamb 2, these parts being shown to illustrate the application and operation of the invention.

The several parts of the device comprise an attaching-plate 3, a fastening-arm 4, a leaf-spring 5, a heel or stop 6, and a chain 7, or other flexible means connecting the several parts together and preventing loss of the same. The attaching-plate 3 has at one end a sharp spur 8, extending transversely outward from one face thereof, and an eye 9 at the opposite end thereof. Intermediate of the ends is provided two or more alined slots 10, which extend longitudinally of the plate.

The fastening-arm 4 is flat and tapered or wedge-shaped, as shown in the drawings, and adapted to be inserted through either of the slots formed in the attaching-plate. An eye 11 is provided at the wide end of the arm, and the chain 7 has its opposite ends connected respectively to the eye of the arm and that of the attaching-plate, whereby the two are con-

nected together. Secured to one face of the arm and at the wide end thereof is the bowed leaf-spring 5, which extends the entire length of the arm, having its free extremity at the narrow end of the same. The heel or stop 6 has one end bifurcated, as at 12, and the wide end of the fastening-arm is received within the bifurcation and held therein by means of a pivot-pin 13. This pivot-pin also serves to connect the spring 5 to the arm.

In the application of the device as shown in Fig. 2 the spur of the attaching-plate is placed against the jamb 2 of the door 1 and the latter is closed against the plate, the spur of which is forced into the jamb. Thus the plate is held in position, having its slotted portion projecting outward from the door. The fastening-arm 4 is then passed from the door side through the slot 10 which is next to the door until the arm extends about equally upon opposite sides of the plate. By reason of the wedge shape of the arm the latter is forced against the door and frame, which prevents the door from being opened from the outside. The purpose of the bowed spring is to bind in the slot and prevent accidental displacement of the arm. When a door-frame has a raised bead or molding 14, as shown in Fig. 3, the device is applied as explained, with the exception that the arm is passed through the outer slot, so that the arm may engage across the molding 14, and then the heel 6 is swung upon its pivot inward until its flat end 15 is engaged squarely with the door and the latter is effectively secured. In the first instance the heel, not being in use, is thrown outward, forming a continuation of the arm.

By the construction and relative arrangement of the parts of the present invention the device is applicable to any character of door or window, it cannot be disengaged from the outside of the door, is effectively prevented from being accidentally displaced, and the parts are connected together, so as to guard against loss of any of them.

Although the device has been shown in the accompanying drawings as applied to a door, it will be evident that the attaching-plate 3 may be placed between the meeting-rails of upper and lower window-sashes, and the device will fasten the sashes in substantially the same manner as described for a door.

Changes in the form, proportion, size, and the minor details of construction within the scope of the appended claim may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

Having thus described the invention, what is claimed is—

In a door or window securer, the combination with an attaching-plate adapted to be held between the free edge of the door and jamb, and provided with a plurality of transverse slots, of a fastening-arm adapted to be inserted in any of the slots in the attaching-plate, a stop or heel having one end bifurcated and receiving one end of the arm with-

in said bifurcation, a bowed leaf-spring fitted longitudinally to one side of the arm and having one end received within the bifurcation of the heel or stop, and a single pivot-pin passing transversely through the opposite walls of the bifurcation, and the inclosed ends of the arm and the bowed spring, substantially as shown and described.

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

OLE E. WOLD.

Witnesses:

THOMAS LOWREY,
CHARLES W. PARKER.