

(No Model.)

C. E. STONE.  
DOOR SECURER.

No. 587,496.

Patented Aug. 3, 1897.

FIG. 1.

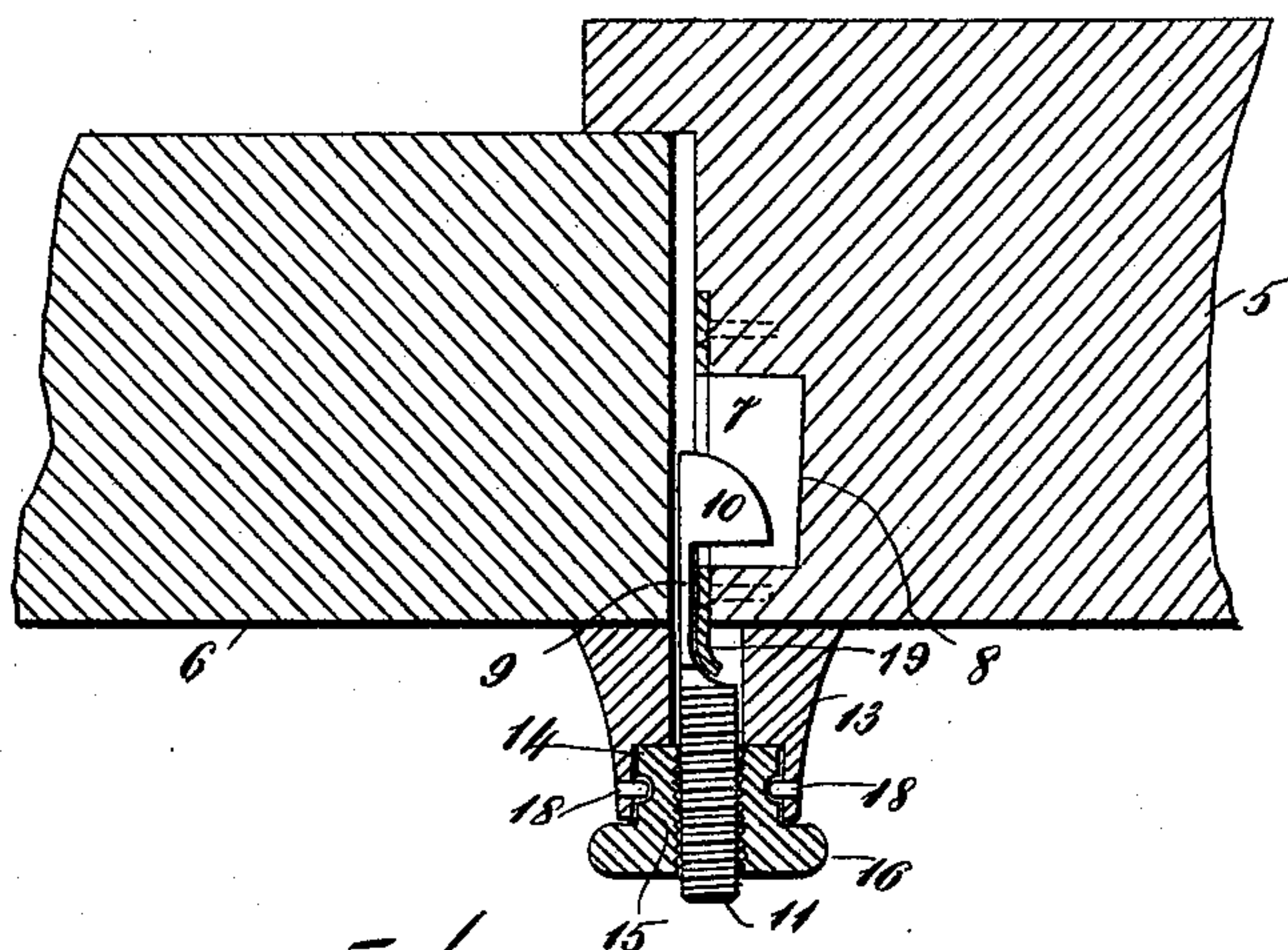


FIG. 2.

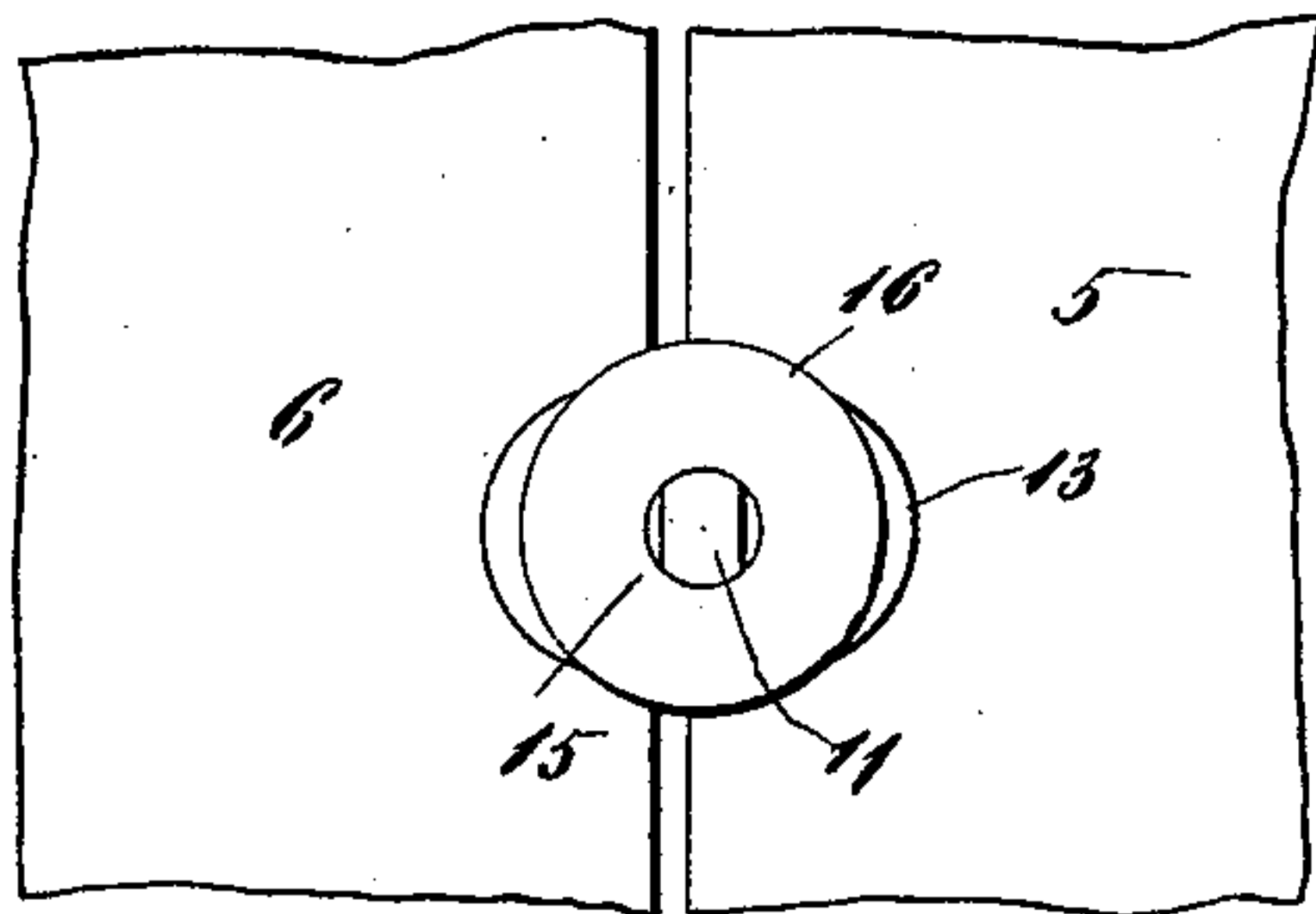


FIG. 3.

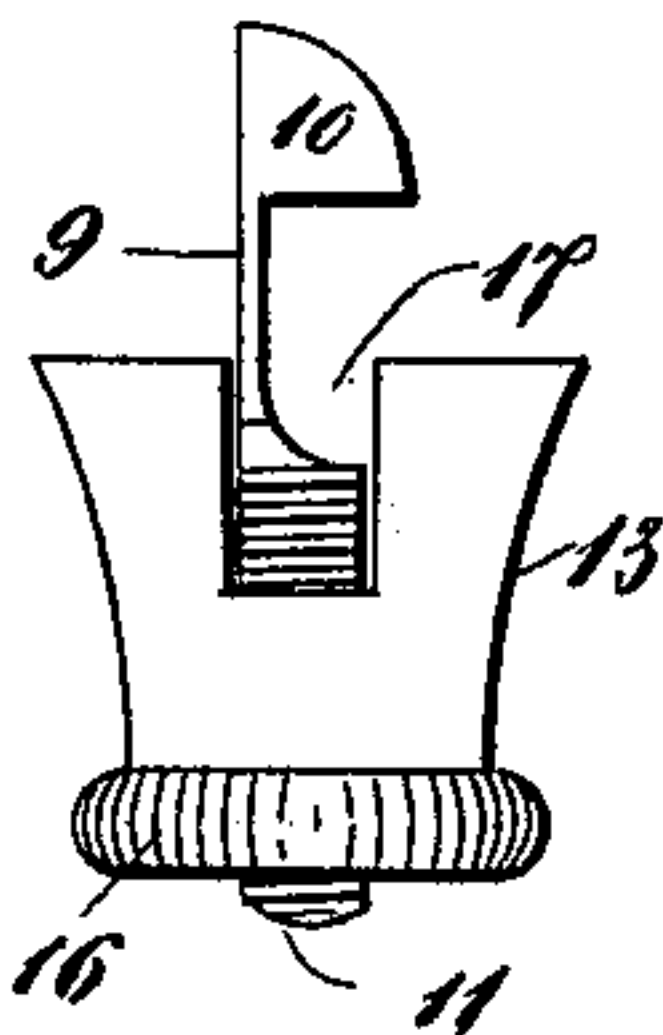
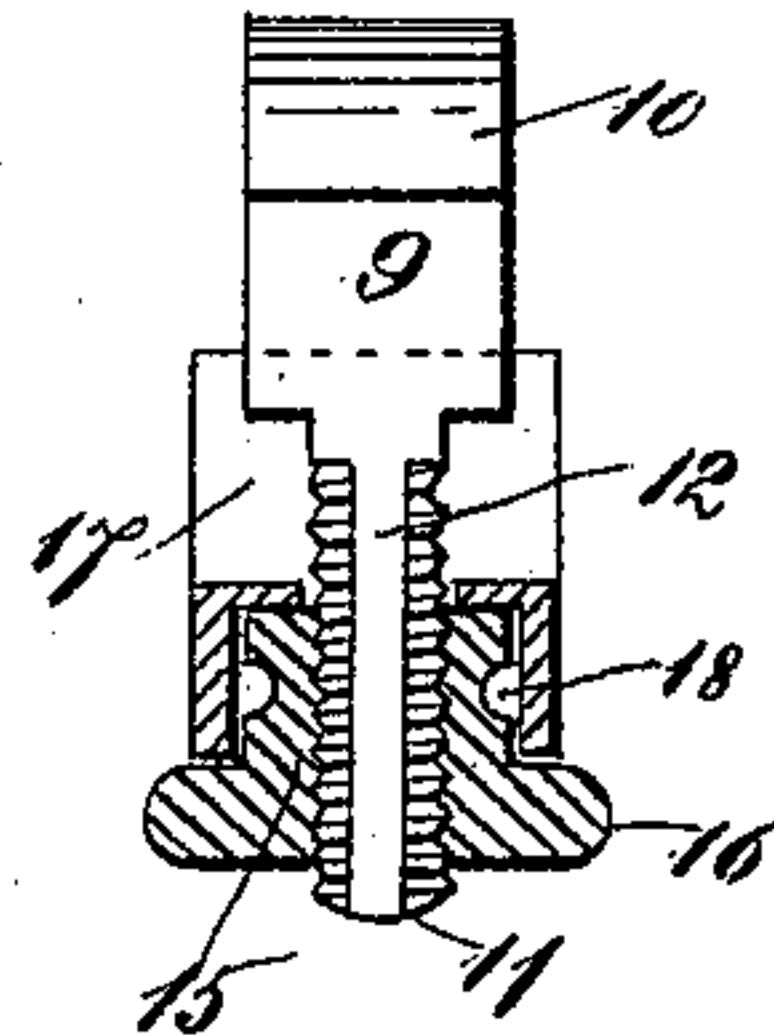


FIG. 4.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

CHARLES EDWIN STONE, OF AMESBURY, MASSACHUSETTS.

## DOOR-SECURER.

SPECIFICATION forming part of Letters Patent No. 587,496, dated August 3, 1897.

Application filed February 12, 1897. Serial No. 623,070. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES EDWIN STONE, a citizen of the United States, residing at Amesbury, in the county of Essex and State of Massachusetts, have invented certain new and useful Improvements in Door-Secur-  
5 of Massachusetts, have invented certain new and useful Improvements in Door-Secur-  
ers, of which the following is a full and complete specification, such as will enable those skilled in the art to which it appertains to make and  
10 use the same.

This invention relates to door-locks; and the object thereof is to provide an improved device of this class which is adapted to be carried in the pocket and to be applied for  
15 locking a door from the inner side whenever desired.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

20 Figure 1 is a sectional side view of a portion of the frame of a door and a portion of the door, showing also my improved lock and the method of operating the same, the lock being also shown in section; Fig. 2, a front  
25 view thereof; Fig. 3, a plan view of the lock, and Fig. 4 a longitudinal section thereof at right angles to the section shown in Fig. 1.

In the drawings forming part of this specification the separate parts of my improve-  
30 ment are designated by the same numerals of reference in each of the views, and in said drawings I have shown at 5 a section of a part of a door-frame, and at 6 a corresponding section of a part of the door.

35 Formed in the face of the door-frame adjacent to the door is a chamber or cavity 7, which is covered by a metal plate 8, and this chamber or cavity is adapted to receive the ordinary door latch or lock, it being understood  
40 that the door 6 may be provided with the usual latch or lock; and in the practice of my invention I provide a lock of this class and for the purpose herein described, the same consisting of a metal plate 9, which is pro-  
45 vided at its inner end with a projection or head 10 and at its outer end with an enlarged screw-threaded extension 11.

The screw-threaded extension 11 is flat on its opposite sides, as shown at 12 in Fig. 4,  
50 and mounted thereon and adapted to slide thereon is a clamping-jaw 13, which is cylin-

dricial in cross-section, and the inner end of which is larger than the outer end, or said clamping-jaw is slightly conical in form and the outer end thereof is provided with a cir- 55  
cular chamber 14, in which is mounted a rev-  
oluble nut 15, which is provided with a screw-  
threaded bore through which the extension 11  
of the plate 9 passes, and said nut is provided  
at its outer end with a circular flange or rim 60  
16, which is milled at its perimeter, as clearly  
shown in Figs. 1, 3, and 4.

The clamping-jaw 13 is provided with a transverse slot 17 at its larger end, which cor- 65  
responds in width with the thickness of the  
screw-threaded extension 11 of the plate 9, and the nut 15 is provided with an annular  
groove 16, which is formed in its opposite  
sides, and passing through the smaller end  
of the clamping-jaw 13 are pins 18, which en- 70  
ter said groove.

As thus constructed by turning the nut 15 by means of the flange 16 the said nut will be caused to move inwardly or outwardly on the screw-threaded extension 11, and the 75  
clamping-jaw 13 will also be moved outwardly or inwardly, the direction of these movements depending on the direction in which the nut 15 is turned, and said clamping-jaw being prevented from turning by the form of the 80  
plate 9 and the screw-threaded extension 11 thereof.

The operation will be readily understood from the foregoing description when taken in connection with the accompanying draw- 85  
ings and the following statement thereof.

Whenever it is desired to lock the door, the nut 15 is turned outwardly as far as neces-  
sary and the clamping-jaw 13 is drawn out-  
wardly therewith, the plate 9 and the projec- 90  
tion or head 10 are placed in the position  
shown in Fig. 1, and the door is closed, after  
which the nut 15 is screwed inwardly until  
the clamping-jaw 13 firmly presses on the  
door and the frame 5. When the parts of the 95  
lock are in this position, it will be impossible  
to open the door, and whenever it is desired  
to open the door from the inner side the nut-  
15 is screwed outwardly until the clamping-  
jaw 13 is withdrawn far enough to permit the 100  
door to open.

One of the objects of the transverse slot



17 in the jaw 13 is to provide room for the projection or striker 19, with which most doors are provided and in connection with which the ordinary latch of the ordinary door-lock operates when the door is closed. This door latch and lock are not shown for the reason that they form no part of this invention, and by forming the slot 17 in the clamping-jaw 13 I provide means to enable the jaw to press firmly upon the frame of the door and the adjacent part of the door, as will be readily understood, and in my invention, as will also be understood, the clamping-jaw 13 is not turned when it is forced inwardly by the nut 15, and this feature of the construction prevents the scratching and otherwise injuring the frame and the door, and said jaw may also be provided with a facing of some soft material, if desired.

This device is simple in construction and operation and is perfectly adapted to accomplish the result for which it is intended and

may be employed whenever devices of this class are necessary.

Having fully described my invention, I claim as new and desire to secure by Letters Patent—

A door-securer comprising a metal plate 9 having a head 10 and a screw-threaded extension 11, a clamping-jaw 13, provided with a slot 17 and a chamber 14 adapted to receive a screw-threaded nut 15 which is provided with a milled flange 16, and an annular groove 18, adapted to engage pins passing through said jaw, all combined substantially as shown and for the purpose set forth.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 3d day of February, 1897.

CHARLES EDWIN STONE.

Witnesses:

FRANCES C. SLAGHT,  
ANNIE M. WALLACE.