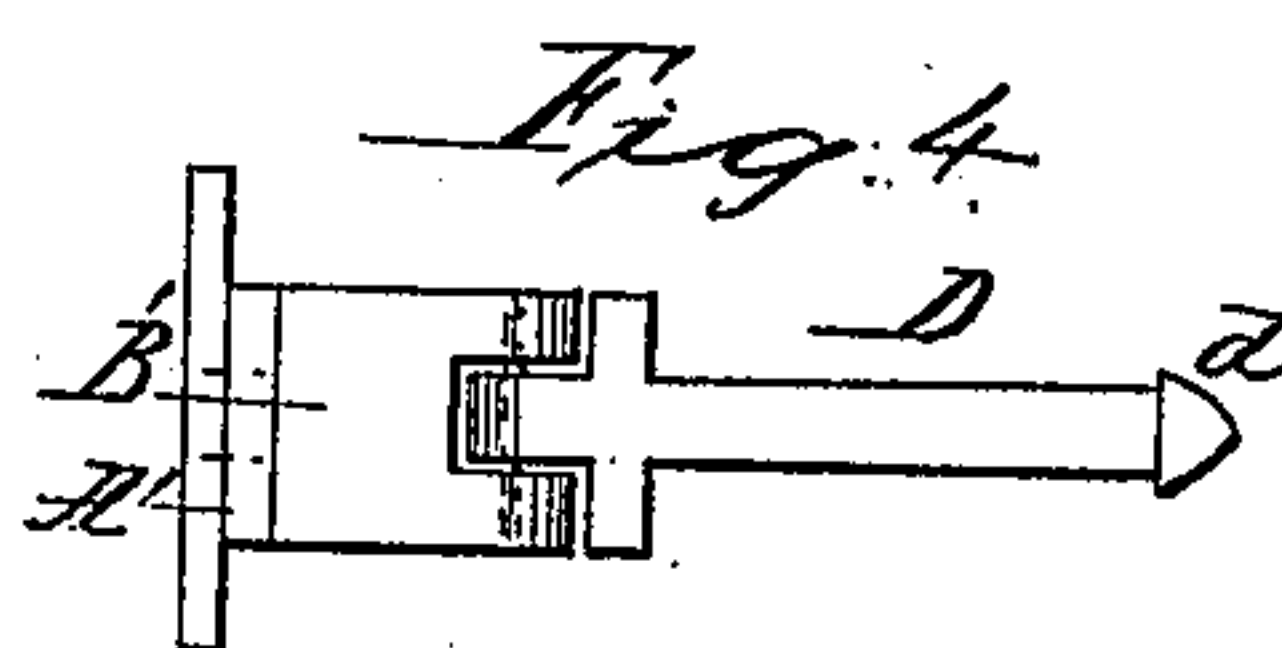
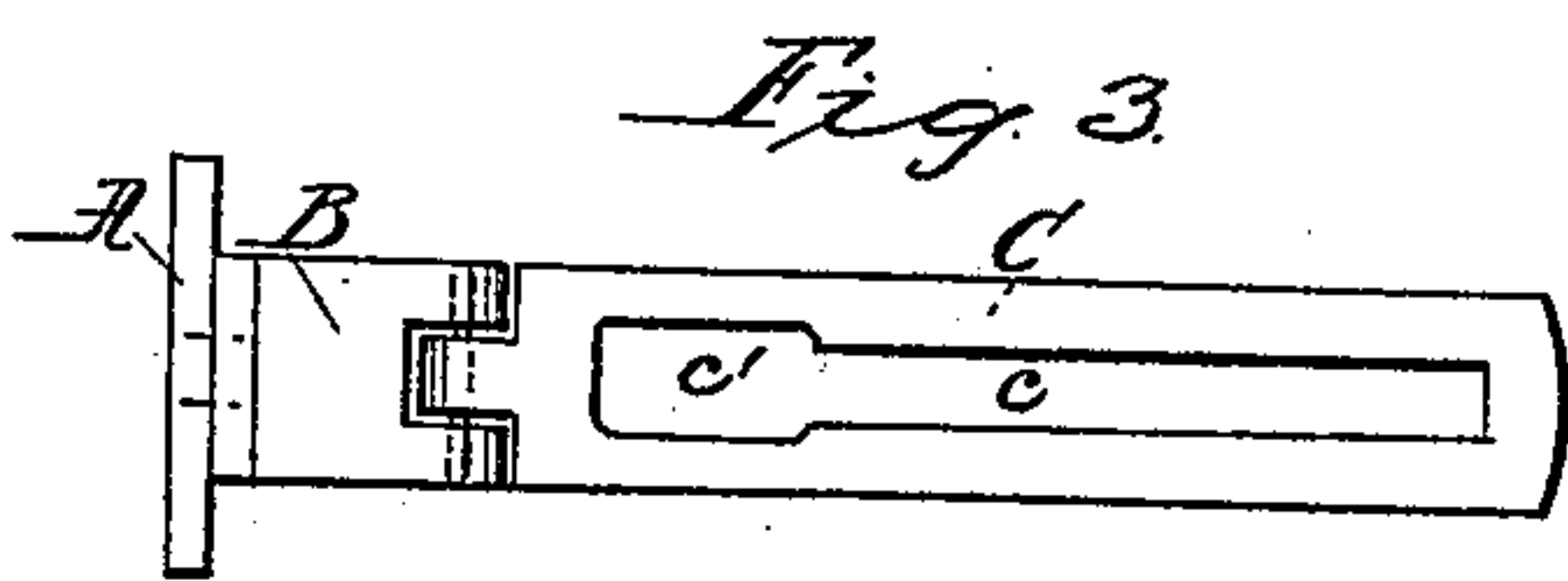
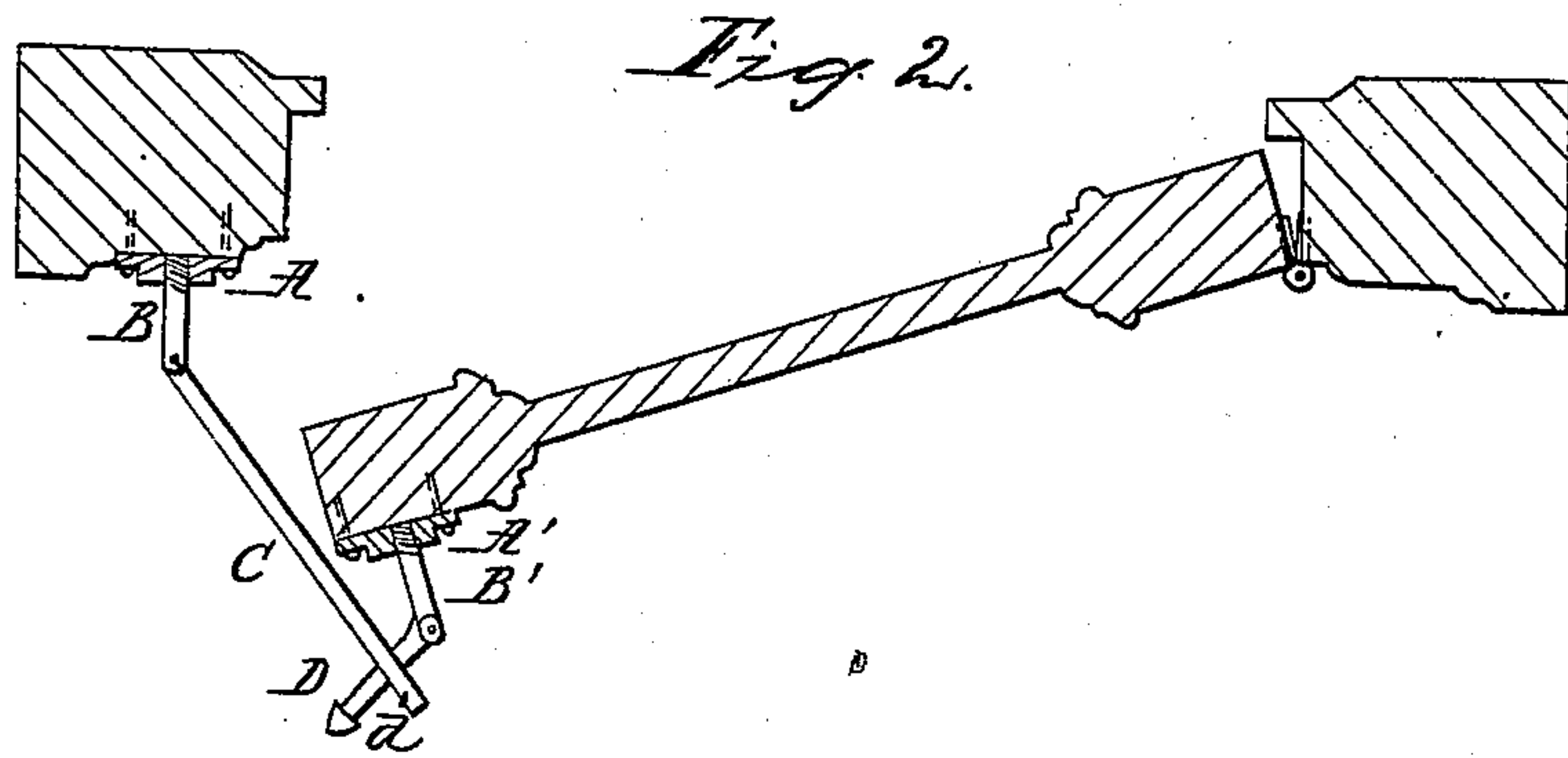
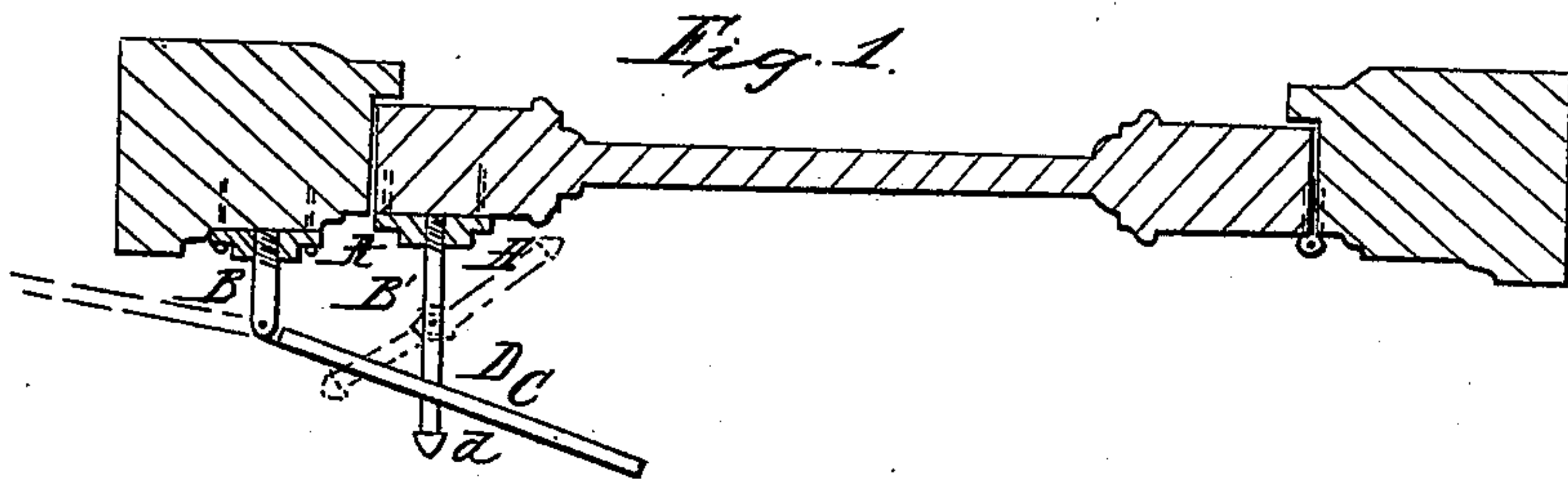


E. C. Cochran,
Door Check.

N^o 79,550.

Patented July 7, 1868.



Witnesses
G. Burkhardt
Victor H. Becker

Inventor:
E. C. Cochran
by Forbush & Hyatt

United States Patent Office.

E. C. COCHRANE, OF BUFFALO, NEW YORK, ASSIGNOR TO HIMSELF AND
J. B. WHITE, OF THE SAME PLACE.

Letters Patent No. 79,550, dated July 7, 1868.

IMPROVEMENT IN GUARD-FASTENER FOR DOORS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, E. C. COCHRANE, of the city of Buffalo, in the county of Erie, and State of New York, have invented a certain new and improved Guard-Fastener for Doors; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, in which—

Figure I is a horizontal section of a door provided with my fastener, represented in a closed position.

Figure II is a similar view, with the door shown slightly open and secured by my improved guard.

Figures III and IV are detached views of the parts that are to be attached to the jamb and the door respectively.

Like letters designate like parts in all the figures.

My invention is designed as a substitute for the ordinary guard-chains in use, which permit only a slight opening of the door till the device is unfastened by the person within, and is intended as a protection against the forcible entrance of persons into a building, when the door is unlocked in answer to a ring or other summons from without.

The invention consists—

First, controlling the opening of a door by a bracket-arm attached to the door, and engaging with a rod or bar, hinged to the jamb in such a manner that when the arm shall have traversed the length of bar, the same will act as a stop and prevent the further opening of the door.

Second, in so constructing and connecting the arm and rod that when the door is closed they may be readily disengaged, and this only when the door is closed.

In the drawings, A A' represent two similar plates, secured by wood-screws respectively to the jamb or casing and door. B B' are arms, preferably attached to these plates by screws, shanks screwing into them, so as to facilitate their easy removal or attachment, as required. C is a bar, hinged to the arm B, and formed with a longitudinal slot, *c*, which is enlarged at the inner end, as shown at *c'* in Fig. III. D is a bolt or bar, preferably hinged or jointed to the end of arm B', although it may be rigid, and is constructed with a head, *d*, which will pass through the enlarged portion, *c'*, of the slot *c*, but whose shoulders will prevent its withdrawal from any other point in the said slot.

The parts are attached to the door and casing, as represented, and constructed and arranged so that the locking-bar D can be engaged and disengaged from the bar C only when the door is closed, as shown in red lines, Fig. I. The two being locked together, as shown in that figure, the opening of the door will cause the locking-bar to slide to the outer end of the slot in the bar D, when its further progress will be arrested, as shown in Fig. II, the width of the opening which the guard permits being regulated by the length of the bar and slot C *c*, as may be required.

It is evident that the construction of the bar and arm C D, so as to permit their engagement only when the door is shut, and to allow the sliding of the one along the other to permit the slight opening of the door, may be considerably varied, and still operate on the same principle and with like effect.

As the parts C D of the guard are disengaged in opening the door, they may be thrown back out of the way, as represented in dotted lines. During the day, or at any other time, if required, the arms B B' can be unscrewed from the plates A and removed, with the bar hinged thereto, so that nothing will remain but the plates A A', which can be made more or less ornamental, as may be desired.

The advantages of my improved guard are the facility with which the parts can be engaged and disengaged; the security it affords against being unlocked while the door is open; and the facility with which it can be detached from the door and jamb when its use is not desired.

What I claim as my invention, is—

1. The combination of a hinged bar attached to the jamb, and an arm attached to the door, for engagement with each other, substantially as and for the purpose set forth.
2. The slot *c*, of the hinged bar, enlarged at its inner end, to permit the disengagement of the arm from the rod only when the door is closed.

E. C. COCHRANE.

Witnesses:

W. J. CHAMBERLAIN,

V. H. BECKER.