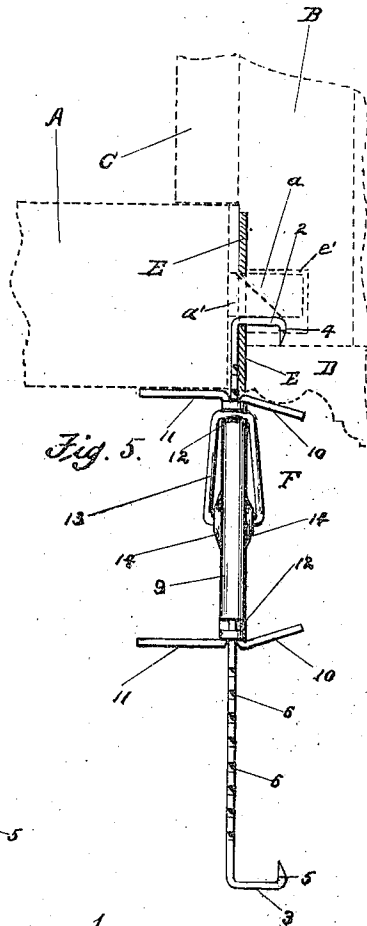
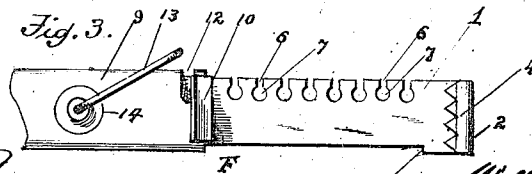
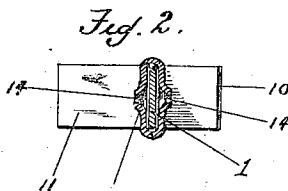
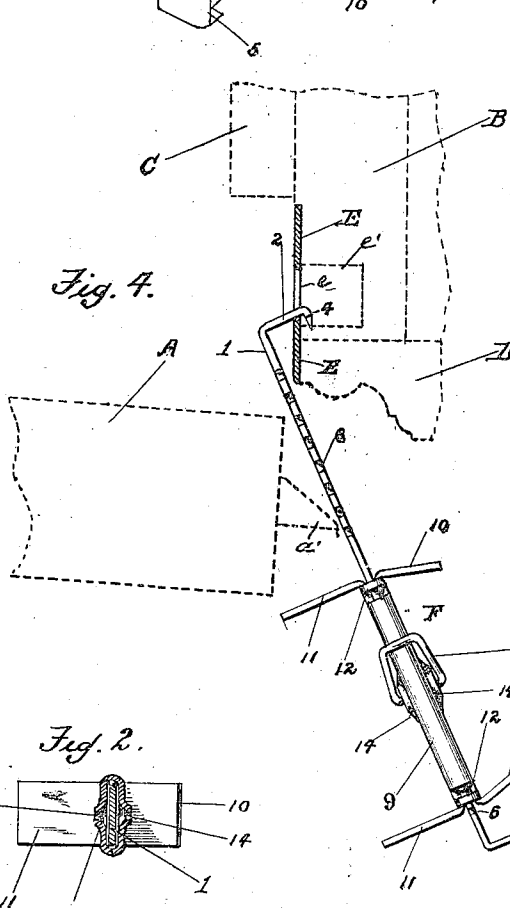
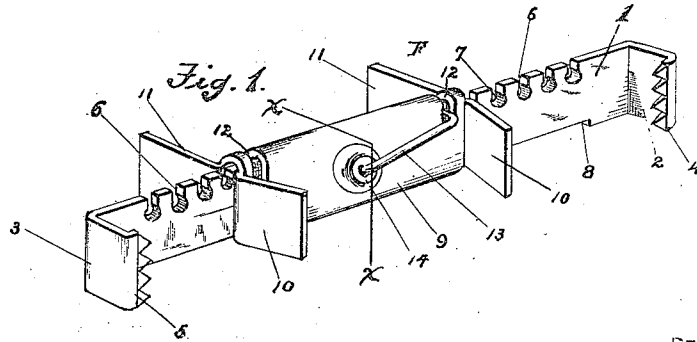


W. D. HALL.
PORTABLE DOOR SECURING DEVICE.
APPLICATION FILED FEB. 27, 1917.

1,252,003.

Patented Jan. 1, 1918.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM D. HALL, OF WEST PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO J. ERNEST BONICHOU.

PORTABLE DOOR-SECURING DEVICE.

1,252,003.

Specification of Letters Patent.

Patented Jan. 1, 1918.

Application filed February 27, 1917. Serial No. 151,219.

To all whom it may concern:

Be it known that I, WILLIAM D. HALL, a citizen of the United States, residing at West Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Portable Door-Securing Devices, of which the following is a specification.

My present invention while broadly relating to the general class of locks, and locking devices, yet more particularly relates to that branch of the class named, which contemplates the provision of door securing devices that are especially designed for, and adapted to be used by those whose business, or occupation is of such character as to necessitate their traveling from place to place,—as for instance, traveling salesmen, theatrical people, etc.—and who are sometimes compelled to occupy sleeping rooms having doors provided with unsafe locking devices, and oftentimes no locking devices of any description whatever, and to such end, my invention has for its object to provide a simple, durable and easily operated door securing device, which may be readily carried in the pocket of the person by whom it is to be used, and which may be quickly, and readily applied to practice, either as an auxiliary fastening device, upon a door already provided with a key actuated lock, or in the absence of such key actuated lock, may be itself used to securely hold the door in locked position.

To the ends outlined above my invention consists essentially in a device, of the type named, having its several operative parts constructed, combined and arranged for practice substantially in the manner herein-after described and illustrated in the accompanying drawings, which form a part of this application and wherein;

Figure 1, is a perspective view of a door securing device constructed in accordance with my invention.

Fig. 2, is a transverse sectional view, taken on the line *x, x*, of Fig. 1, without showing the door securing link shown in said Fig. 1, and hereinafter described.

Fig. 3, is a side elevation of a portion of the device shown in Fig. 1.

Fig. 4, illustrates the manner of applying my improved door securing device to a

door, for the purpose of locking the same, and

Fig. 5, shows a door held in locked position by my improved securing device.

Referring to the drawings wherein similar letters and numerals of reference denote similar parts A, designates a portion of a door, B, the door jamb, C, the stop bead against which the door bears when closed and D, a part of the architrave upon the front of the door jamb. So far as described the parts named are shown on the drawing by dotted lines. E, designates the striker which affixed to the jamb B, and forward edge of the architrave D, within the rabbet into which the door closes, is provided with the usual apertures *e*, for the passage of the locking bolt *a*, and latch *a'*, with which the door is provided. The apertures *e* open into a recess *e'*, which is formed in the door jamb B, for the reception of the locking bolt and latch *a*, and *a'*.

The parts so far shown and described, form no part of my invention, but are so shown and described for the reason that they coact with said invention to produce the desired result, and having so described such parts, I will now proceed to describe my invention which in the drawings, is designated, as a whole, by the letter F.

In carrying my invention into practice, I provide a bar 1, preferably of steel of suitable width and thickness, at its opposite ends with laterally projecting portions 2 and 3, which at their extreme ends are turned to form short hook shaped flanges 4 and 5, for a purpose presently to be described.

I provide the bar 1, upon its upper edge and near each of its opposite ends with a series of detents 6, which are at their lower ends enlarged, preferably in circular form, as shown at 7, to receive a locking medium hereinafter set forth.

I provide that the bottom edge of the bar 1, shall be cut away, and that such cut away part, shall extend nearly to each of the opposite ends of the bar, to form shoulders 8, which determine the extent of movement of a rectangular shaped sleeve 9, which is mounted to slide upon the bar 1, as shown.

I provide each of the opposite ends of the sleeve 9 and at each side thereof, with laterally projecting lugs 10 and 11, which

may be of like length and extend in the same, or parallel planes, or in planes at an angle each with the other, as shown in the drawings.

5 I also provide the sleeve 9, upon its upper side and near each of its ends with a slot 12, to permit the passage of one end of a link 13, which at its opposite end is pivoted in apertures formed in projecting portions 10 14, upon each of the sides of the sleeve 9.

As will be understood the forward, or free end of the link 13, enters one of the detents 6, within the slot 12, when the device is in operative position, as shown in Fig. 5,— 15 which figure illustrates a door held in closed position by my improved securing device,— and is positively held from dislodgment therefrom by the shoulders formed by the circular shape of the lower portion 7, of 20 said indents.

The indents 6, formed in the body 1, of the device, are, in practice, made as near to each other, as is consistent with safety to the device, that is to say, such indents are 25 only separated from each other, by a strip of metal that will be sufficient to resist strains due to pressure upon the door. As shown in the drawings the opposite ends of the securing device are adapted to securely 30 hold doors which open both to the right and to the left.

The operation of my device, is clearly indicated by Figs. 4 and 5, of the drawings. In the first named of said figures, the door is 35 shown as open for a short distance, to permit the laterally projecting flange 2 of bar 1 to pass through the striker E, into the recess e', in the door jamb B, the sliding sleeve, at this time, shown to be at the opposite end of 40 the bar 1, to permit such action, while in Fig. 5, the door is shown as closed, the lateral portion 2, of the bar 1, shown fully within the recess e', of the door jamb, the

sliding sleeve, moved to permit the lateral flanges 10 and 11, upon its forward end, to 45 bear upon the architrave D, of the door frame, and the door A, respectively as shown, while the forward end of the link 13, is, within the slot 12, of said sleeve 9, in engagement with one of the detents 6, of 50 the bar 1.

From the latter named Fig. 5, it will be readily apparent that a door, secured as there shown, cannot be opened by pressure, except such pressure is sufficient to break 55 such door, and the device by which it is held in closed position.

Having thus described my invention, I claim and desire to secure by Letters Patent: 60

A portable door securing device comprising a bar having its opposite ends bent at approximately right angles to the body of the bar to extend into the bolt receiving aperture of the striker on the door jamb 65 and having a series of detents upon its edge to be engaged by a link hinged to a sleeve mounted to slide upon said bar, a sleeve mounted upon said bar to slide thereon and provided at each of its opposite ends at each 70 side thereof with laterally projecting flanges to bear respectively against a door and the architrave about said door and having slots formed therein at each end thereof to permit a detent upon the bar to be engaged by a 75 locking device carried by said sleeve, and a locking device comprising a link hinged to said sleeve and adapted to be moved into engagement within one of the slots in the sleeve with a detent on the bar. 80

In testimony whereof I hereunto affix my signature in presence of two witnesses.

WILLIAM D. HALL.

Witnesses:

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WILLIAM MC. GRIMES.