J. A. ROUCH AND T. H. HASTIE.

DOOR SECURING DEVICE.

APPLICATION FILED AUG. 28, 1920.

1,406,085. Patented Feb. 7, 1922.

Fig. 1.

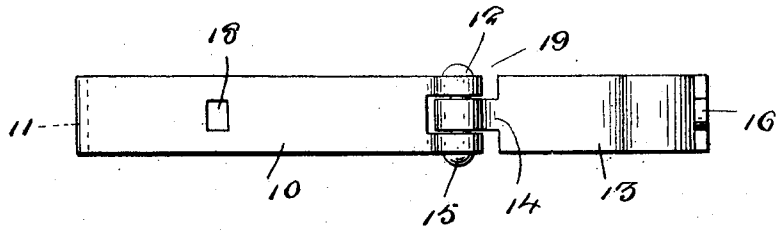


Fig. 2.

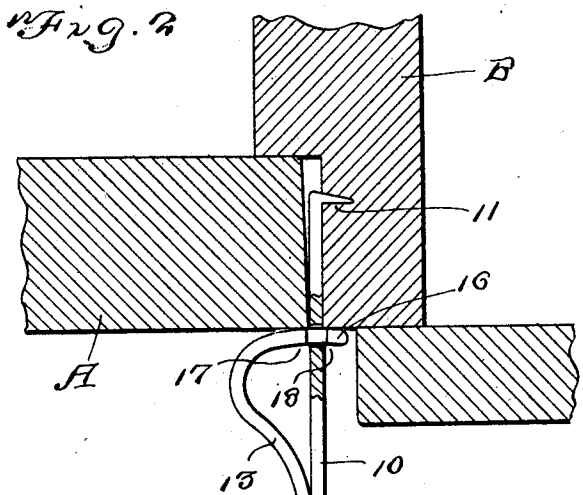
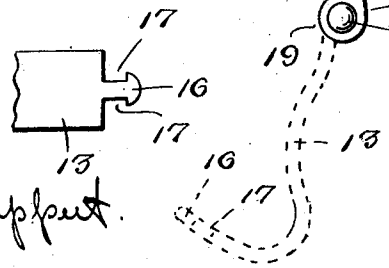


Fig. 3.



E. R. Ruppert.

WITNESS:

J. A. Rouch
T. H. Hastie
INVENTOR

BY Victor J. Evans
ATTORNEY

UNITED STATES PATENT OFFICE.

JOHN A. ROUCH AND THOMAS H. HASTIE, OF TULSA, OKLAHOMA.

DOOR-SECURING DEVICE.

1,406,085. Specification of Letters Patent. Patented Feb. 7, 1922.

Application filed August 28, 1920. Serial No. 406,622.

To all whom it may concern:

Be it known that we, JOHN A. ROUCH and THOMAS H. HASTIE, citizens of the United States, residing at Tulsa, in the county of Tulsa and State of Oklahoma, have invented new and useful Improvements in Door-Securing Devices, of which the following is a specification.

This invention relates to door locks and has for its object the provision of a securing device which is insertable between the edge of a door and its jamb in penetrating engagement with the jamb and which carries a pivoted arm having a latch head engageable within an opening in the main body of the device, this arm engaging against the face of the door and preventing opening thereof, the device consequently being burglar proof and positively preventing entrance until released.

An important object is the provision of a device of this character which will be very simple and inexpensive in manufacture, easy to apply, efficient in service, durable and a general improvement in the art.

With the above and other objects and advantages in view, the invention consists in the details of construction to be hereinafter more fully described and claimed and illustrated in the accompanying drawings in which—

Figure 1 is a side elevation of the device in extended position, and

Figure 2 is a detail cross sectional view through a portion of a door and its jamb and showing the device in position.

Fig. 3 is a detail view of the locking head extension.

Referring more particularly to the drawings, the letter A designates a door and B designates its jamb. In carrying out our invention we provide a device which includes an elongated plate 10 which has one end laterally extended and sharpened to an edge, as indicated at 11. At its other end this plate terminates in knuckles 12. The numeral 13 designates a hinged frame which is formed at one end with a knuckle 14 disposed between the knuckles 12 and very loosely pivotally connected therewith by a bolt or rivet 15. The reason that this pivotal connection must be less is that there must be considerable lateral play permitted. This arm 13 is curved into a substantially hook-shape and has its free end formed with an extension 16 formed to provide a head and having notches 17 at the sides thereof. The plate 10 is provided with an opening 18 adapted to receive the extension 16.

The operation of the device is as follows: The door A being open, the operator grasps the plate 10 and places it against the jamb B so that it will be engaged by the door when the latter is shut. When the door is closed its engagement with the plate 10 will cause the tine 11 to penetrate the jamb which will hold the plate 10 firmly. The operator then swings the arm 13 upon its pivot 19 so as to bring the extension 16 within the opening 18 and owing to the lateral play provided in the arm 13 the lower notch 17 will engage over the edge of the opening 18 so as to prevent the arm 13 from swinging away from the plate 10. When the parts are in this position it will be seen that the arm 13 will engage against the face of the door and consequently positively prevent opening thereof until the arm 13 is disengaged and swung away from the door.

Having thus described our invention, we claim:

A door securing device comprising an elongated plate formed at one end with a laterally extending tine, said plate being adapted for insertion between the free edge of a door and its jamb with said tine in penetrating engagement with the jamb, said plate being formed intermediate its ends with an opening, and a locking member of hook shape pivoted upon the free end of said plate and having its free end formed with a reduced extension adapted for insertion through said opening, said reduced extension including a relatively large head and a constricted neck portion defining notches engageable with the edges of the opening whereby to prevent casual displacement of said hook member with respect to the plate member.

In testimony whereof we affix our signatures.

JOHN A. ROUCH.
THOMAS H. HASTIE.