April 28, 1925. 1,535,289

W. S. CALLERY

PORTABLE DOORLOCK

Filed Feb. 28, 1924

FIG. 1.

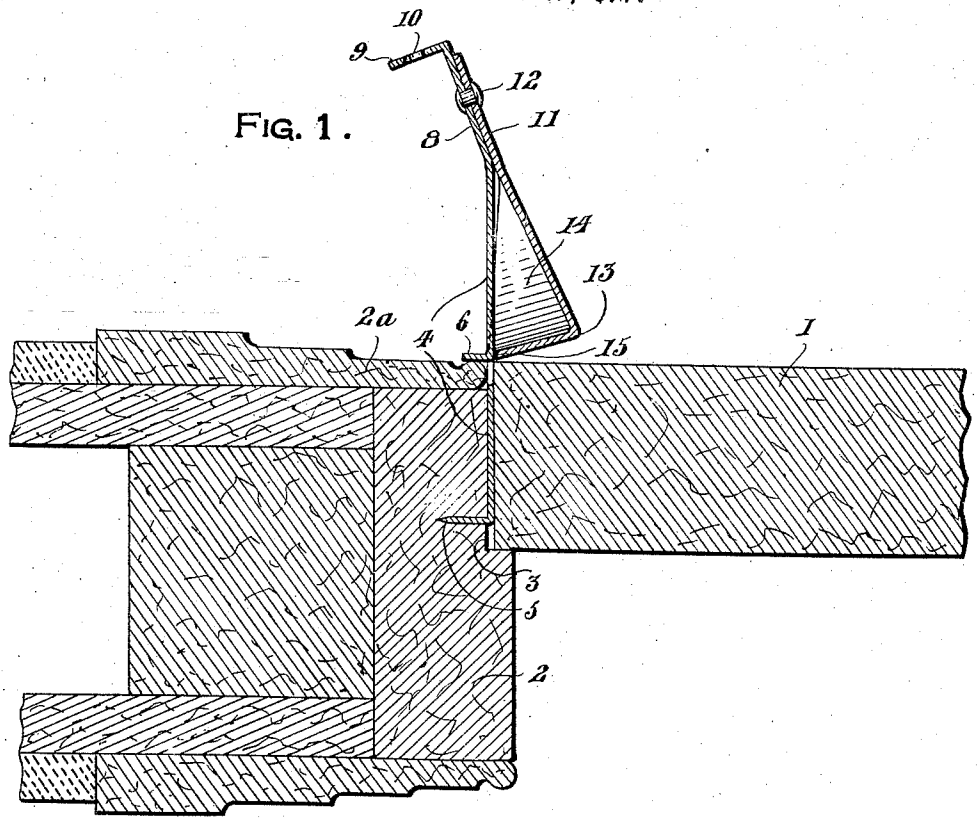


FIG. 2.

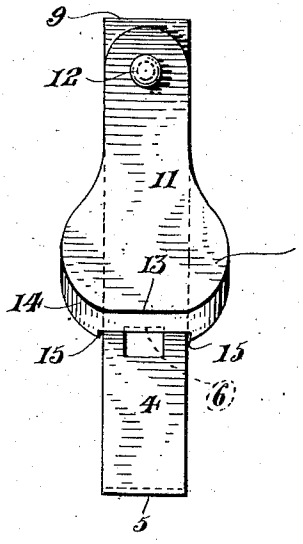
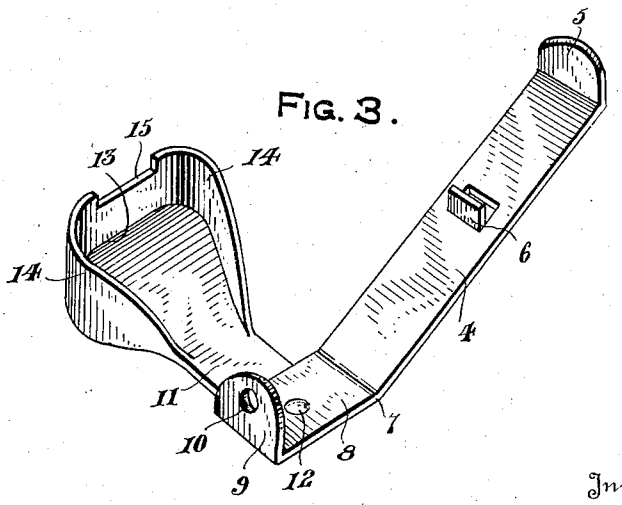


FIG. 3.



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Patented Apr. 28, 1925. 1,535,289

UNITED STATES PATENT OFFICE.

WILLIAM S. CALLERY, OF WHEATLAND, CALIFORNIA.

PORTABLE DOORLOCK.

Application filed February 28, 1924. Serial No. 695,736.

To all whom it may concern:

Be it known that I, WILLIAM S. CALLERY, a citizen of the United States of America, residing at Wheatland, in the county of Yuba and State of California, have invented certain new and useful Improvements in Portable Doorlocks, of which the following is a specification.

This invention relates to certain new and useful improvements in portable door locks adapted for association with a door jamb or frame and the free swinging edge of a hinged door for holding the latter in a locked condition against opening movement should the usual lock mechanism of the door be released.

The primary object of the present invention is to provide a portable door lock of the type above set forth and of a size capable of being conveniently carried in the pocket of a person or worn upon an ordinary key ring, the same being extremely simple in construction and operation and inexpensive to manufacture.

With the above and other objects in view that will become apparent during the course of the following description the same consists of the novel form, combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawing and claimed.

In the drawing, wherein like reference characters designate corresponding parts throughout the several views,

Figure 1 is a fragmentary horizontal sectional view of a door frame and door with the new portable lock operatively positioned to prevent opening movement of the door,

Figure 2 is a plan view of the lock with the locking arm moved to a position overlying the plate that carries the same, and

Figure 3 is a perspective view of the lock with the locking arm moved at right angles to the carrying arm.

Referring more in detail to the accompanying drawing, the portable lock is associated with the door 1 that moves into engagement with the jamb 2 that is chamfered at one edge thereof as at 3 to receive the swinging edge of the door as illustrated in Fig. 1. The lock embodies an elongated plate 4 having one end thereof bent at right angles to form a pin or finger 5 adapted for entering the bottom wall of the chamfered portion 3 of the door jamb as illustrated in Fig. 1. The plate 4 intermediate the ends thereof is provided with a struck-out lug 6 projecting in the same direction as the finger 5, the lug 6 engaging the adjacent edge of the jamb molding 2^a for correctly positioning the plate upon the jamb. The plate 4 adjacent the end thereof opposite the finger 5 is bent at the point 7 to provide an angular portion 8 while the terminal end of the plate adjacent the bent portion 8 is bent at right angles as at 9 to the longitudinal axis of the plate 4, the bent end 9 being provided with an opening 10 to accommodate the mounting of the lock upon a key ring or other support.

A locking arm 11 has one end thereof pivotally mounted as at 12 upon one face of the bent portion 8 of the plate 4 at the side thereof opposite the finger 5 and bent end 9 as shown in Fig. 3. The arm 11 flares outwardly from the pivot point 12 and has a transverse outer edge 13. A perpendicular wall 14 projects from the edge of the arm 11 at its outwardly flared portion and merges into the arm 11 at a point spaced outwardly of the arm pivot. The outer edge of the transverse portion of the wall 14 is notched as at 15 and is of a length equal to the diameter of the plate 4 with the plate extending into the notch when the arm is moved to a position overlying the plate as shown in Figs. 1 and 2.

The portable lock is mounted upon the door jamb 2 as illustrated in Fig. 1 with the locking arm 11 extended outwardly of the plate 4, the lug 6 assisting in the correct positioning of the lock with respect to the door jamb. The finger 5 is forced into the jamb 2 and the lug 6 is positioned outwardly of the molding 2^a. When the door 1 has been moved to its closed position, the locking arm 11 is swung upon its pivotal mounting 12 to position the outer end thereof over the plate 4 with the groove 15 of the wall 14 receiving the plate 4 as shown in Fig. 1, the grooved edge 15 of the wall 14 positively retaining the locking arm in the position shown in Fig. 1 with the outer side of the wall 14 contacting the door 1 to prevent opening movement thereof. The door 1 is thereby held in a locked condition, and if the usual lock mechanism of the door should be released, the portable lock would still retain the door in a closed and locked condition. To open the door, the locking arm 11 is swung to an inoperative position and is laterally displaced from the swinging

path of movement of the door and at which time, the lock may be removed from the door jamb by disengaging the finger 5 from the bottom wall of the chamfered portion 3 of the door jamb.

While there is herein shown and described the preferred embodiment of the present invention, it is nevertheless to be understood that minor changes may be made therein without departing from the spirit and scope of the invention as claimed.

What is claimed as new is:—

1. In a portable door lock, a plate adapted for mounting on the face of a door jamb, a locking arm swingingly carried by the plate adapted to be moved into engagement with a door, said plate having an angle portion at its point of supporting the locking arm whereby the locking arm is adapted to be laterally displaced from the swinging path of movement of the door when moved to a releasing position, and an apertured extension carried by one end of the plate.

2. In a portable door lock, a plate adapted for mounting on the face of a door jamb, a locking arm swingingly carried by the plate adapted to be moved into engagement with a door, said plate having an angle portion at its point of supporting the locking arm whereby the locking arm is adapted to be laterally displaced from the swinging path of movement of the door when moved to a releasing position, and said locking arm having a perpendicular edge wall forming an abutment for engaging the door.

3. In a portable door lock, a plate adapted for mounting on the face of a door jamb, a locking arm swingingly carried by the plate adapted to be moved into engagement with a door, said plate having an angle portion at its point of supporting the locking arm whereby the locking arm is adapted to be laterally displaced from the swinging path of movement of the door when moved to a releasing position, an apertured extension carried by one end of the plate, and said locking arm having a perpendicular edge wall forming an abutment for engaging the door.

4. In a portable door lock, a plate adapted for mounting on the face of a door jamb, a locking arm swingingly carried by the plate adapted to be moved into engagement with a door, said plate having an angle portion at its point of supporting the locking arm whereby the locking arm is adapted to be laterally displaced from the swinging path of movement of the door when moved to a releasing position, said locking arm having a perpendicular edge wall forming an abutment for engaging the door, and said plate having a grooved portion receiving the plate to hold the arm in locked position.

5. In a portable door lock, a plate adapted for mounting on the face of a door jamb, a locking arm swingingly carried by the plate adapted to be moved into engagement with a door, said plate having an angle portion at its point of supporting the locking arm whereby the locking arm is adapted to be laterally displaced from the swinging path of movement of the door when moved to a releasing position, an apertured extension carried by one end of the plate, said locking arm having a perpendicular edge wall forming an abutment for engaging the door, and said wall having a grooved portion receiving the plate to hold the arm in locked position.

6. In a portable door lock, a plate adapted for mounting on the face of a door jamb, a laterally projecting finger at one end thereof, an angle supporting bracket formed at the other end of the plate, an apertured extension formed on the plate adjacent the laterally projecting finger, adapted to abut against the moulding of the door jamb, a locking arm swingingly carried by the plate, adapted to be moved into engagement with the door, a perpendicular edge wall formed on the locking arm, said perpendicular edge wall forming an abutment for engaging the door and a groove formed in the edge wall to receive the plate for holding the arm in locked position.

7. In a portable door lock, a plate adapted for mounting on the face of a door jamb, a laterally projecting finger at one end thereof, an angle supporting bracket at the other end of the plate, an apertured extension formed on the plate adjacent the laterally projecting finger to abut against the molding of the door jamb, a locking arm swingingly carried by the plate, said plate having an angle portion at its point of supporting the locking arm, whereby the locking arm is adapted to be laterally displaced from the swinging path of the door when moved to a releasing position, said locking arm having a perpendicular wall, forming an abutment for engaging the door and a groove formed in the edge wall to receive the plate, for holding the arm in locked position.

In testimony whereof I affix my signature.

WILLIAM S. CALLERY.