R. E. HUTCHINSON.

DOOR SECURER.

APPLICATION FILED APR. 6, 1910.

979,167. Patented Dec. 20, 1910.

Fig. 1.

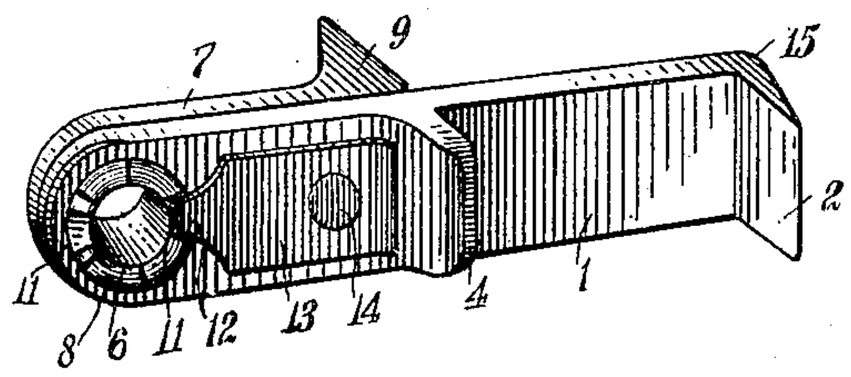


Fig. 2.

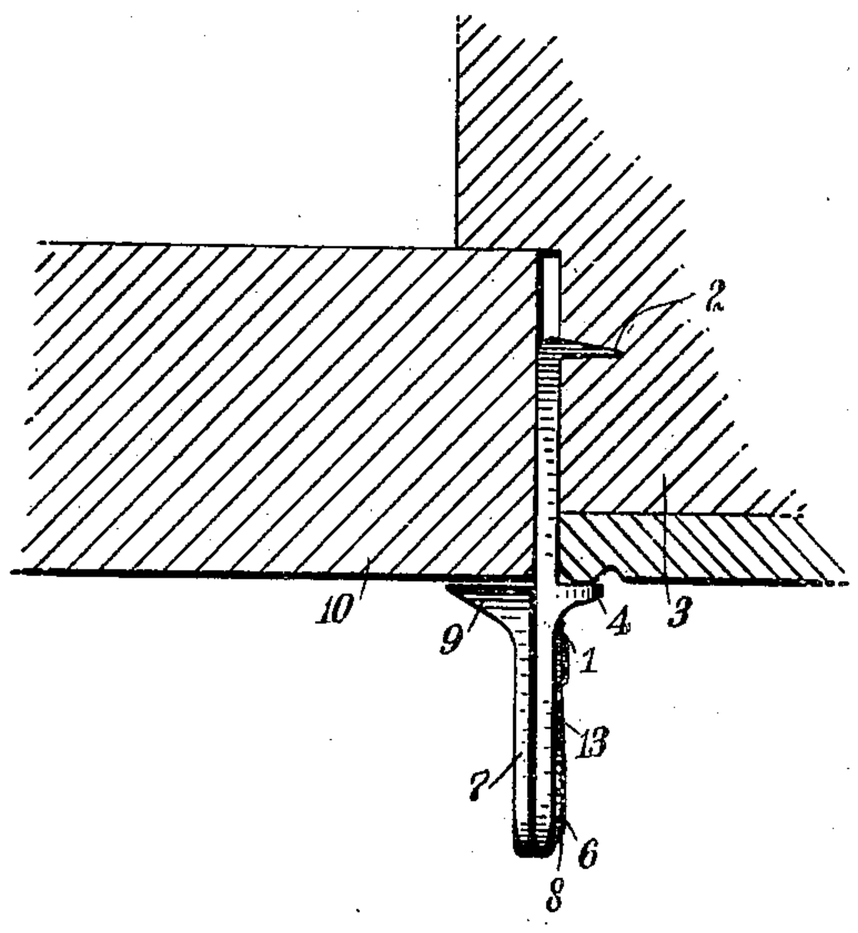
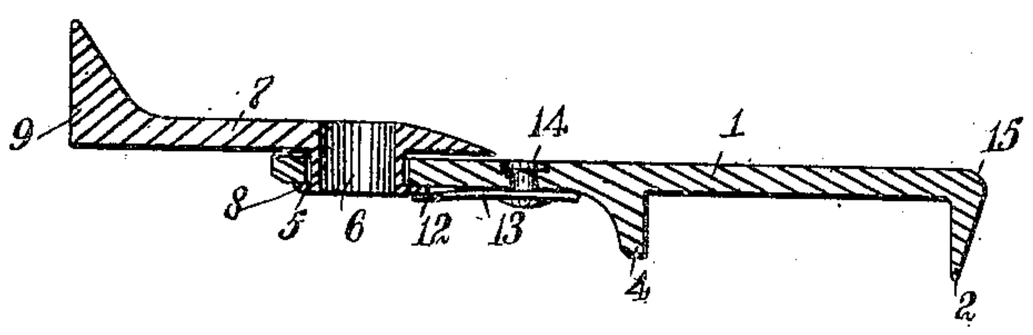


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

RALEIGH E. HUTCHINSON, OF PORTLAND, OREGON, ASSIGNOR OF ONE-HALF TO RALEIGH E. HUTCHINSON, ONE-SIXTH TO WILLIAM A. ELY, AND ONE-SIXTH TO ALFRED K. SLOCUM, OF PORTLAND, OREGON, AND ONE-SIXTH TO ERWIN M. YOUNG, OF RAINIER, OREGON.

DOOR-SECURER.

979,167. Specification of Letters Patent. Patented Dec. 20, 1910.

Application filed April 6, 1910. Serial No. 553,715.

To all whom it may concern:

Be it known that I, RALEIGH E. HUTCHINSON, a citizen of the United States, and a resident of Portland, in the county of Multnomah and State of Oregon, have invented a new and Improved Door-Securer, of which the following is a full, clear, and exact description.

This invention relates to a new and improved keyless door lock, which may be carried in the pocket on a key-ring, and be ready for instantaneous use by a person traveling about from place to place, in strange houses, where locks and keys are not always provided.

An object of this invention is to provide a device which will be simple in construction, inexpensive to manufacture, strong, durable, easily adjusted, and which will be positive in its locking action.

A further object of this invention is to provide a keyless lock with a locking member which is adapted to be automatically held in its locking position.

These and further objects, together with the construction and combination of parts, will be more fully described hereinafter, and particularly set forth in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views, and in which—

Figure 1 is a perspective view of my device; Fig. 2 is a horizontal section showing my device in use; and Fig. 3 is a longitudinal section through the center of the device, showing it in its extended position.

Referring more particularly to the separate parts of the device, 1 indicates a shank which is provided with a sharp toe 2, the latter being adapted to be forced into the jamb, indicated at 3, of a door casing. The shank 1 is provided with a flange 4, extending in the same direction as the toe 2, and whereby the toe may be accurately positioned with the inner surface of the flange 4 against the outer face of the door casing when it is desired to insert the toe 2 in the door jamb 3.

Adjacent the opposite end of the shank 1 from that on which the toe 2 is located, there is provided a circular aperture 5. This aperture 5 forms a suitable bearing for a trunnion 6, secured in any well known manner to a locking member 7, as by being formed integral therewith. It is to be noted that the trunnion 6 is hollow; or in other words, an opening extends through the trunnion 6 and the locking member 7. The purpose of this is so that the device can be readily attached to a key-ring and safely retained in the pocket of the owner. The edge of the trunnion 6 is expanded over to form a circular flange 8, whereby the locking member 7 is secured to the shank 1. The outer end of the locking member 7 is provided with a head 9, which is preferably curved on its outer face, where it abuts against a door 10, in use, and this curvature coincides with a circle struck from the center of the trunnion 6. The flange 8 is provided with depressions or notches 11, which are adapted to be engaged by a tongue 12 on a spring lock 13, which is secured to the shank 1 in any well known manner, as by means of a pin 14.

It is to be noted that the background of the toe 2 is rounded off at 15, so that it will not mar the door itself when in use. It is further to be noted that the head 9 slopes gradually back to the body of the locking member 7, so that when the locking member 7 is extended out into its open position, it will not catch on the door when it is opened.

The manner of using the device will be readily understood when taken in connection with the above description. The device is normally carried around in the pocket by inserting a key-ring through the opening in the trunnion and the locking member. When the owner desires to securely fasten his door in the inside, either because of the fact that the door is not provided with a lock or key, or for any other reason, he merely places the inner face of the lug 4 against the door casing and shuts the door. The action of shutting the door gradually forces the toe 2 into the door jamb, thereby securely holding it in place and preventing its removal until the door is opened. The locking member 7 can then be swung, so that the face of its head abuts against the face of the door, thereby absolutely preventing the opening of the door until the occupant so desires.

It will be seen that the article is simple

and efficient, and can be readily carried about in the pocket with little inconvenience.

While I have shown one embodiment of my invention, I do not wish to be limited to the specific details thereof, but desire to be protected in various changes, modifications and alterations which I may make within the scope of the appended claims.

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

1. The combination with a shank having an aperture therein, of a locking member, a hollow trunnion on said locking member, adapted to extend through said aperture, a flange on said trunnion, said flange having a depression therein, and a spring lock on said shank adapted to engage said depression to secure said locking member against accidental movement relative to said shank.

2. The combination with a member adapted to engage the jamb of a door, of a locking member, a trunnion pivotally connecting said members together, said trunnion having a depression therein, and a spring on one of said members adapted to engage said depression, whereby said members may be locked together against accidental movement.

3. The combination with a member adapted to engage the jamb of a door, of a locking member, a trunnion pivotally connecting said members together, said trunnion having a plurality of depressions therein, and a spring on one of said members adapted to engage said depressions, whereby said members may be locked together in any one of a plurality of adjusted positions.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

RALEIGH E. HUTCHINSON.

Witnesses:
GEO. W. VOGEL,
R. E. SCHMIDT.