No. 746,824. PATENTED DEC. 15, 1903.

C. W. GRAY.

DOOR SECURER.

APPLICATION FILED APR. 29, 1903.

NO MODEL.

Fig. 1.

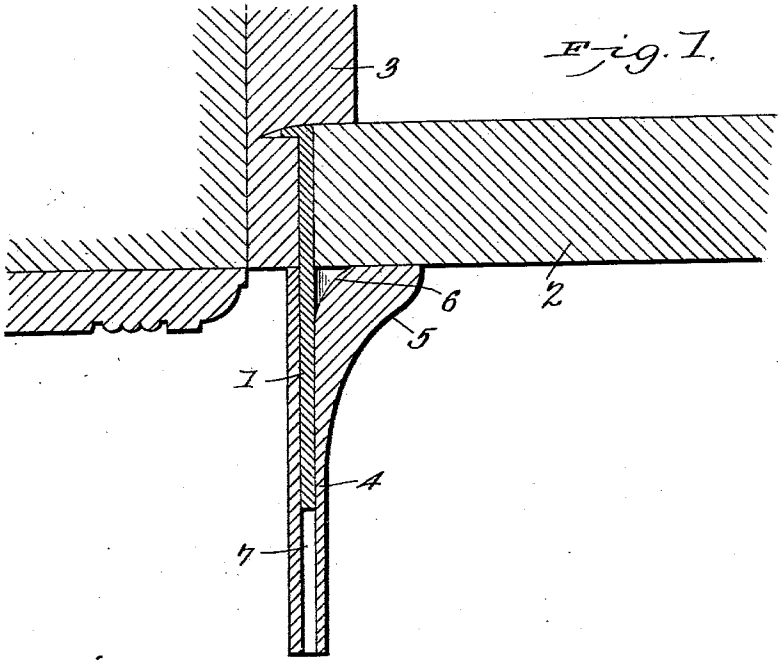


Fig. 3.

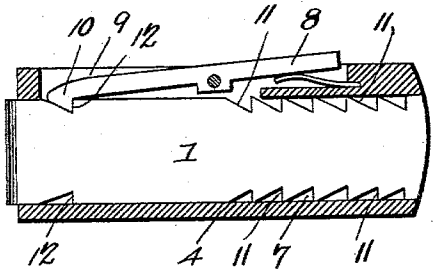
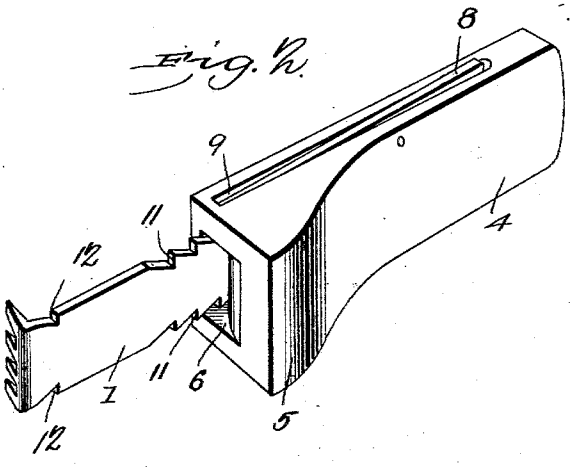


Fig. 2.



Witnesses
E. F. Stewart
B. T. Funk.

Charles W. Gray, Inventor
by Cushman & Co
Attorneys

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 746,824. Patented December 15, 1903.

UNITED STATES PATENT OFFICE.

CHARLES W. GRAY, OF VIRGINIA CITY, MONTANA, ASSIGNOR OF ONE-HALF TO JOHN E. CHAMBERS AND LUTHER V. BUFORD, OF VIRGINIA CITY, MONTANA.

DOOR-SECURER.

SPECIFICATION forming part of Letters Patent No. 746,824, dated December 15, 1903.

Application filed April 29, 1903. Serial No. 154,858. (No model.)

To all whom it may concern:

Be it known that I, CHARLES W. GRAY, a citizen of the United States, residing at Virginia City, in the county of Madison and State of Montana, have invented a new and useful Door-Securer, of which the following is a specification.

This invention relates to portable door-securers; and one of the principal objects thereof is to provide means for effectually closing a door and which can be applied and removed without marring the appearance of either the door or the jamb.

A further object of the invention is to provide a portable door-securer which can be conveniently carried upon the person for instantaneous use.

A still further object of the invention is to provide means for interlocking the parts, so that they cannot become accidentally detached.

Further objects and advantages, as well as the novel details of construction, will be specifically referred to in the following description, reference being had to the accompanying drawings, in which—

Figure 1 is a horizontal sectional view through a door, its jamb, and the door-securer. Fig. 2 is a detail perspective view of the door-securer; and Fig. 3 is a sectional view through the securer-sleeve, the blade being shown in elevation.

In the preferred embodiment of my invention, 1 designates a blade or shank adapted to be inserted between the edges of the door 2 and the jamb 3. The terminally-disposed angularly-projecting teeth or spurs are adapted to be forced into the door-jamb 3, so as to prevent any displacement thereof when said blade is interposed between the door and the jamb.

In order to prevent the opening of the door, I provide a movable locking member comprising an adjustable sleeve 4, having a terminal enlargement or head 5, formed with a triangular recess 6 at one end of the longitudinal slot 7, coextensive with the blade, so that the said blade can be retracted into the said slot, into which the free end of the blade or shank 1 projects.

The movable locking member can be adjustably secured to the blade 1 by a spring-pressed dog 8, working in a longitudinal edge slot 9, intersecting one of the walls of the slot 7 to permit the end 10 of the dog to engage any one of a plurality of the teeth or notches 11 in the respective edges of the blade.

It will be observed that the opposite edges of the blade are provided with duplicate notches, so as to permit the blade to be reversed, as occasion may demand.

When not in use, the blade will be retracted within its sheath, which is formed by the sleeve, and the engaging end of the dog will be caused to engage one of the notches 12 in the plate 1, thereby providing means for locking the blade within the sleeve so that the teeth 11 will be held within the recess 6, so as not to mar or injure the teeth by contact with foreign substances. As soon, however, as it is deemed necessary to release the plate it can be accomplished simply by pushing upon the dog to throw it out of engagement with the notch 12, which it engages.

What I claim is—

A door-securer comprising two members, one of which is a sleeve member and the other a reversible slidable member, the sleeve member being formed with a slot having a recess and a longitudinal edge slot communicating with the first-named slot, the first-named slot being coextensive with the sliding member movable therein and retractible within the slot, a spur carried by the sliding member to engage the recess and provided with oppositely-disposed edge teeth, a longitudinally-disposed locking-dog pivoted in the edge slot and having a tooth-engaging end and a free operating end, a longitudinally-extending lip carried by the sleeve member, and a spring interposed between the lip and the operating end of the dog, said lip also acting as a stop to limit the movement of the operating end of the dog.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

CHAS. W. GRAY.

Witnesses:
G. G. WHEAT,
CLYDE MORRIS.