No. 624,007. Patented May 2, 1899.

H. FULLWOOD.

DOOR STOP.

(Application filed Sept. 29, 1898.)

(No Model.)

Fig. 1.

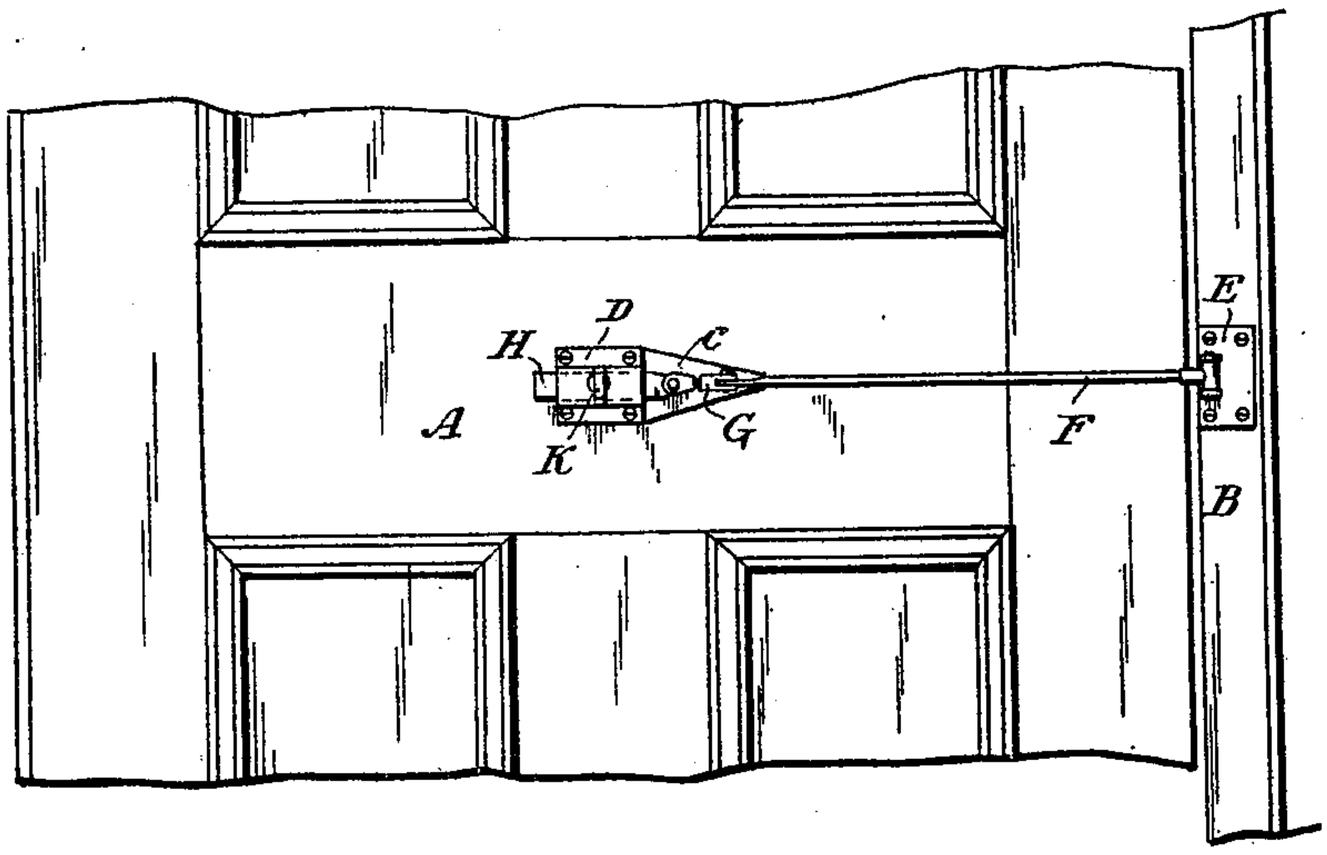


Fig. 2.

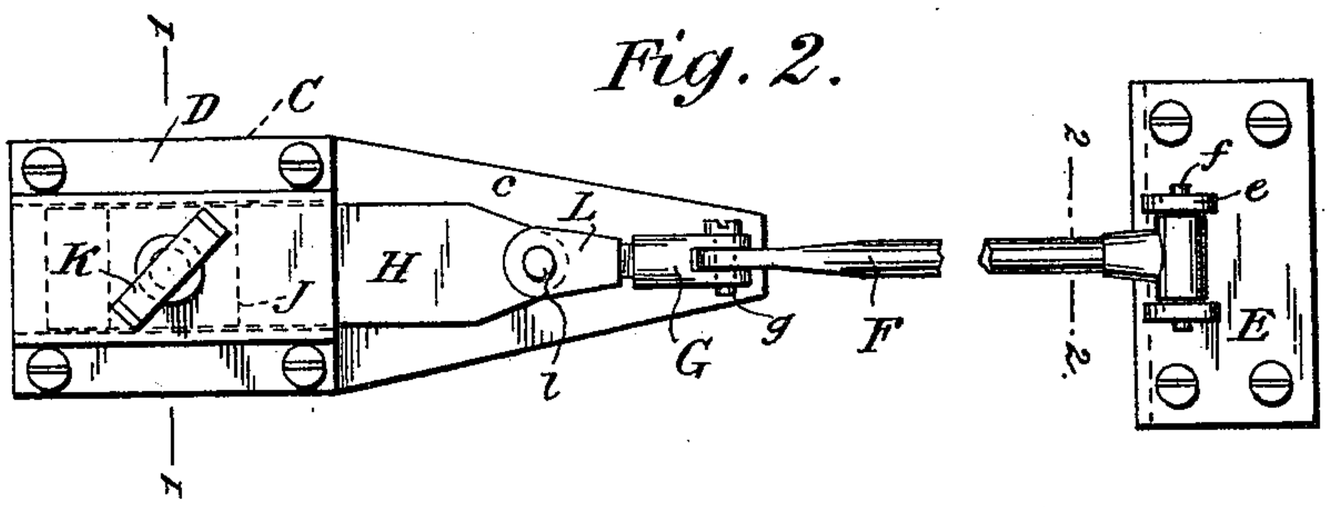


Fig. 3.

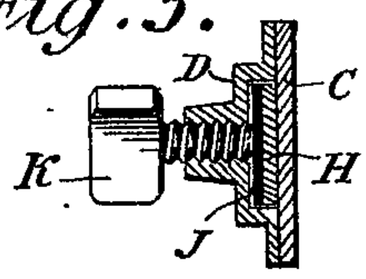
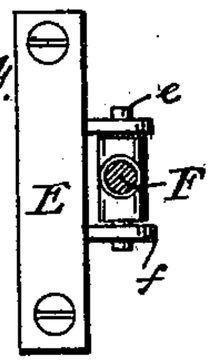


Fig. 4.



Witnesses:
C. Holloway
M. C. Pinckney

Inventor:
Henry Fullwood,
By F. P. Middleton
Attorney

UNITED STATES PATENT OFFICE.

HENRY FULLWOOD, OF NORTH CARLTON, VICTORIA.

DOOR-STOP.

SPECIFICATION forming part of Letters Patent No. 624,007, dated May 2, 1899.

Application filed September 29, 1898. Serial No. 692,153. (No model.)

To all whom it may concern:

Be it known that I, HENRY FULLWOOD, a subject of the Queen of Great Britain, residing at No. 337 Canning street, North Carlton, in the Colony of Victoria, have invented a certain new and useful Improved Door-Stop, of which the following is a specification.

The object of this invention is to provide an appliance by means of which doors may be secured in a partly-open position.

The invention is specially applicable to cabin-doors, and in its use the rattling of the door, which is usual with appliances commonly in use, is obviated.

The stop may be applied generally to doors, gates, window-casements, and the like.

In order to make my invention clear, I shall now refer to the accompanying sheet of drawings, in which—

Figure 1 shows the appliance attached to a door and its frame, the door being represented as partly open. Fig. 2 represents a view of the appliance detached, to a larger scale, in position when door is closed. Fig. 3 represents a sectional view taken on line 1 1 of Fig. 2; Fig. 4, a sectional view taken on line 2 2 of Fig. 2.

In the drawings, A represents portion of a door; B, the fixed frame upon which the door is hung; C, a plate which is secured to the door, preferably to its middle rail. Upon this plate is secured a recessed or bent plate D, which, with the plate C, forms a guide and case to receive a slide-plate, as hereinafter described.

To the frame of the door is secured a bent plate E. A rod F is hinged to the said plate E by pin *f* passing through lugs *e* on plate. The rod F is linked to a bifurcated piece G, and this piece G receives the screw end of a bifurcated piece L, to which the slide-plate H is pivoted. The slide-plate H is thus free to move horizontally on the pin *g*, vertically on the pin I, and radially on the screw end of L, so that it will readily adjust itself truly within the case C D when fixed in position. The slide-plate H enters the groove formed by the plates C and D. The plate D has a recess in its inside face to receive a pressure-plate J, which bears upon the slide-plate H. A thumb-screw K passes through the plate D of the case and is arranged to press upon plate J, so as to securely hold the slide-plate H between it and the plate C in any required position. The pressure-plate J serves to prevent the thumb-screw K from wearing a groove in the slide-plate H. The plate C has an extended portion *c* of reduced thickness which forms a protector for the door and upon which the slide-plate H or its connections will travel.

In practice the thumb-piece K will normally be unscrewed, so that in opening and closing a door the slide-plate H will be free to travel forward and back in the case C D. To secure the door partially or fully open, the thumb-piece K is screwed tightly down, causing the plate J to securely hold the slide-plate H against the plate C. The screw K may be set so that its pressure on the plate J will be sufficient to hold the slide-plate H in the desired position, but will allow of its travel on the opening or closing of the door by a person entering or leaving a room.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is—

1. In a door-stop, the combination with a slide-plate, guide-plates adapted to be fixed to the door to receive said slide-plate and a plate adapted to be fixed to the door-frame and having a rod hinged thereto, of a compound hinged joint connecting said rod to the slide-plate and consisting of a bifurcated piece hinged to said rod and another bifurcated piece pivoted to the slide-plate and provided with a screw end fitting into the end of the first-mentioned bifurcated piece, thus permitting the slide-plate to always adjust itself to lie and move easily in the case, as set forth.

2. In a door-stop, the combination with the plate E and rod F hinged thereto, of plate C having a portion *c* of reduced thickness, recessed plate D, plate H adapted to slide between plates C, D, pressure-plate J within the recessed plate D, thumb-screw K, and a compound hinged joint between the slide-plate H and rod F consisting of a bifurcated piece G to which the rod F is linked and the bifurcated piece L to which the slide-plate H is pivoted, the said piece L having a screw end connecting with the piece G, substantially as set forth.

Signed at Melbourne, in the Colony of Victoria, Australia, this 12th day of August, 1898.

HENRY FULLWOOD.

Witnesses:
C. W. WADE,
A. HARKER.