

J. W. HAGERTY.

DOOR STOP.

APPLICATION FILED JAN. 7, 1910.

968,936.

Patented Aug. 30, 1910.

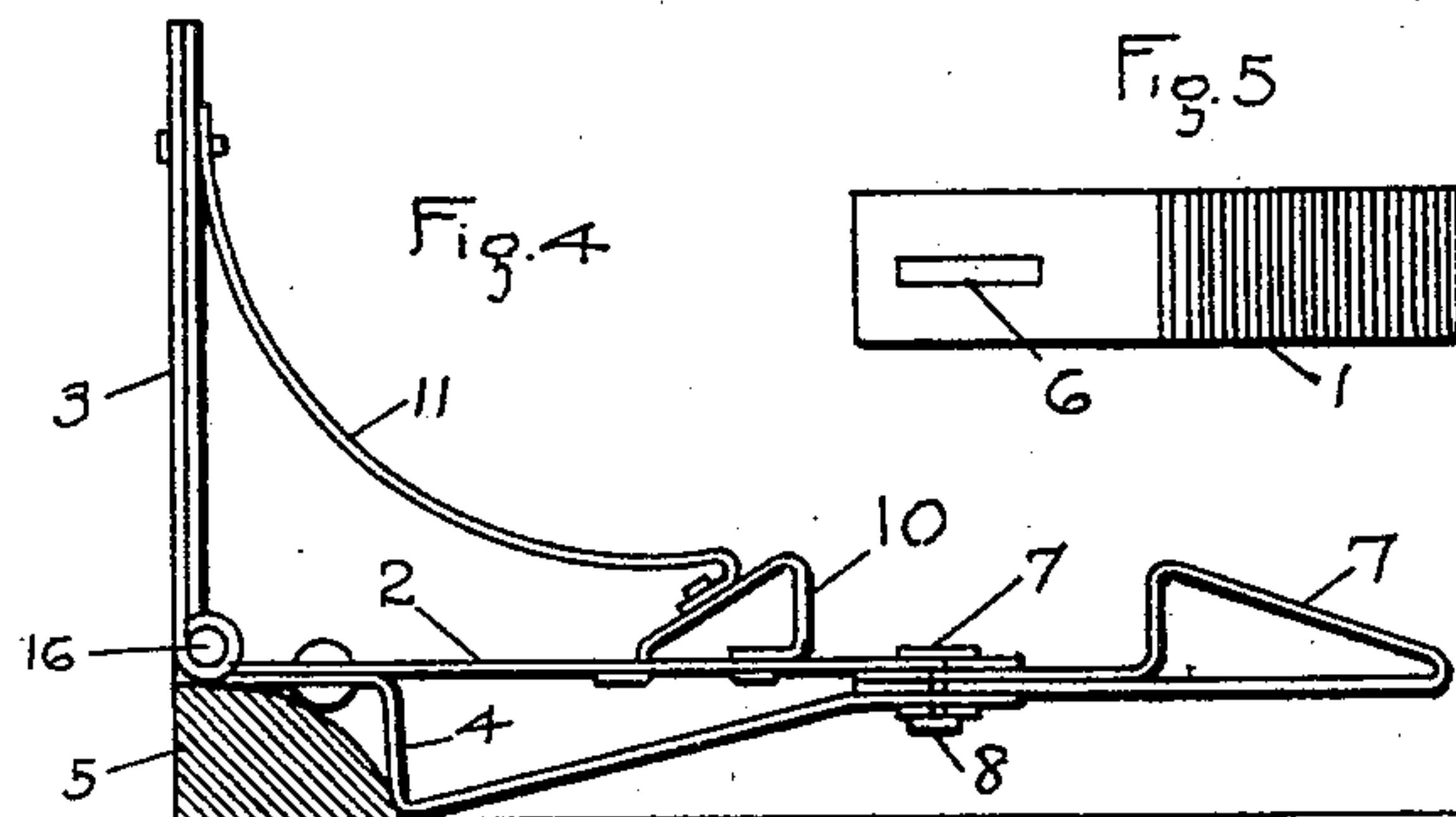
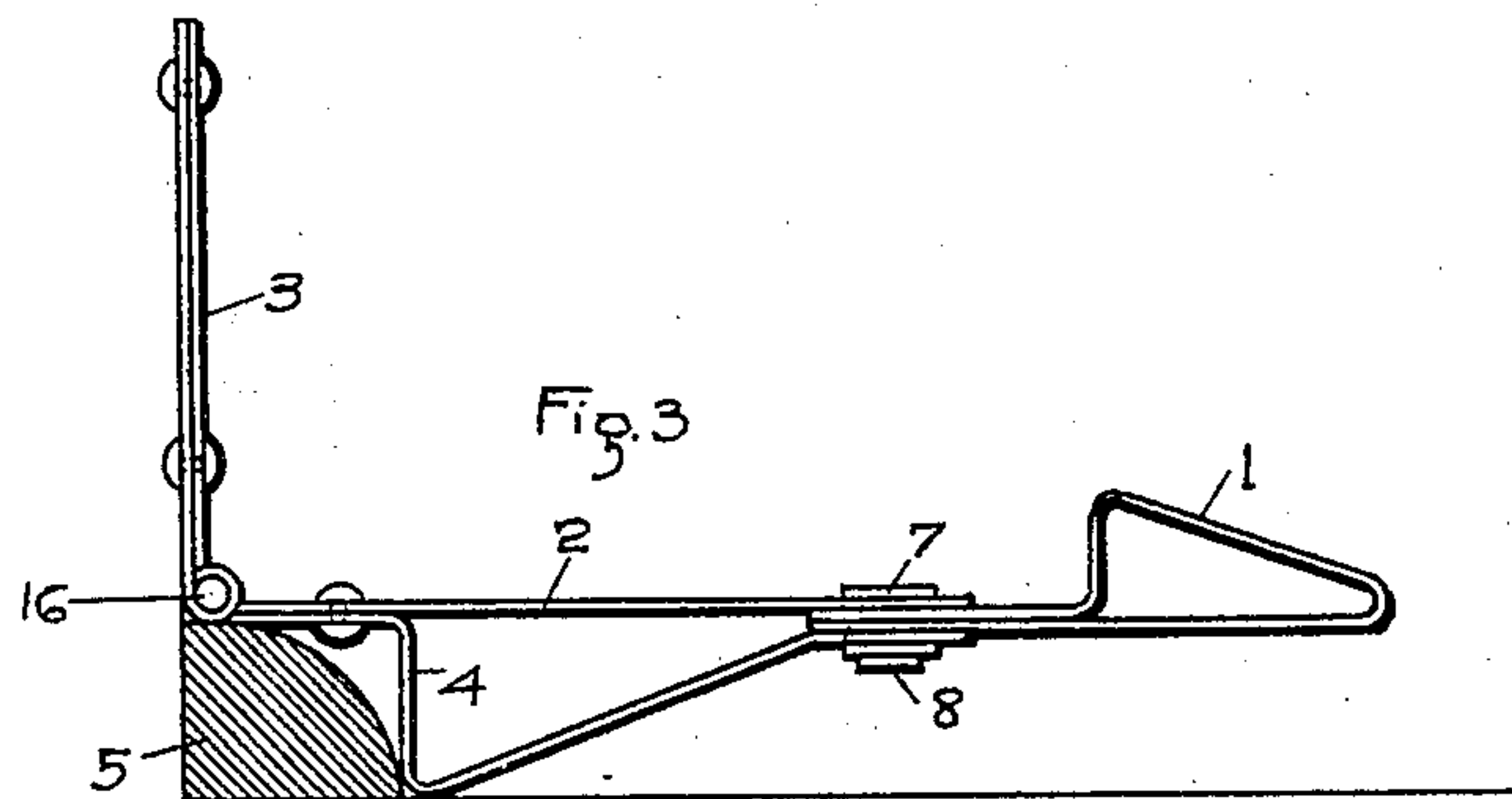
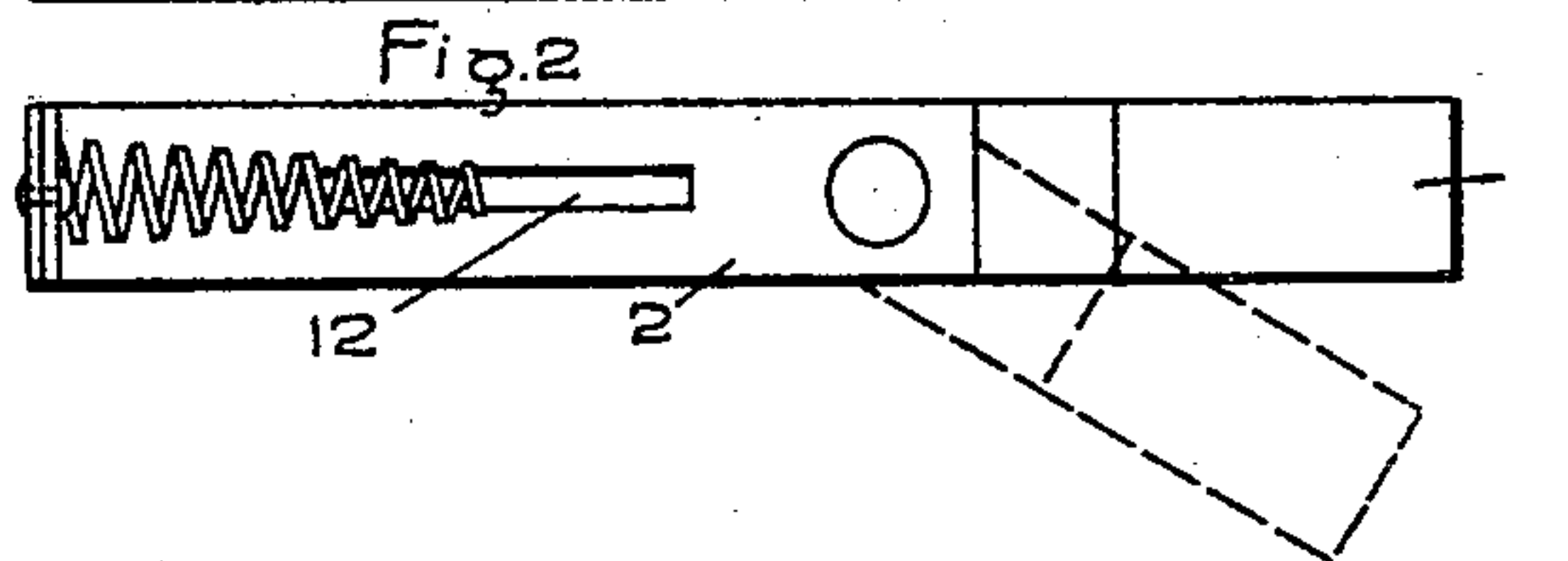
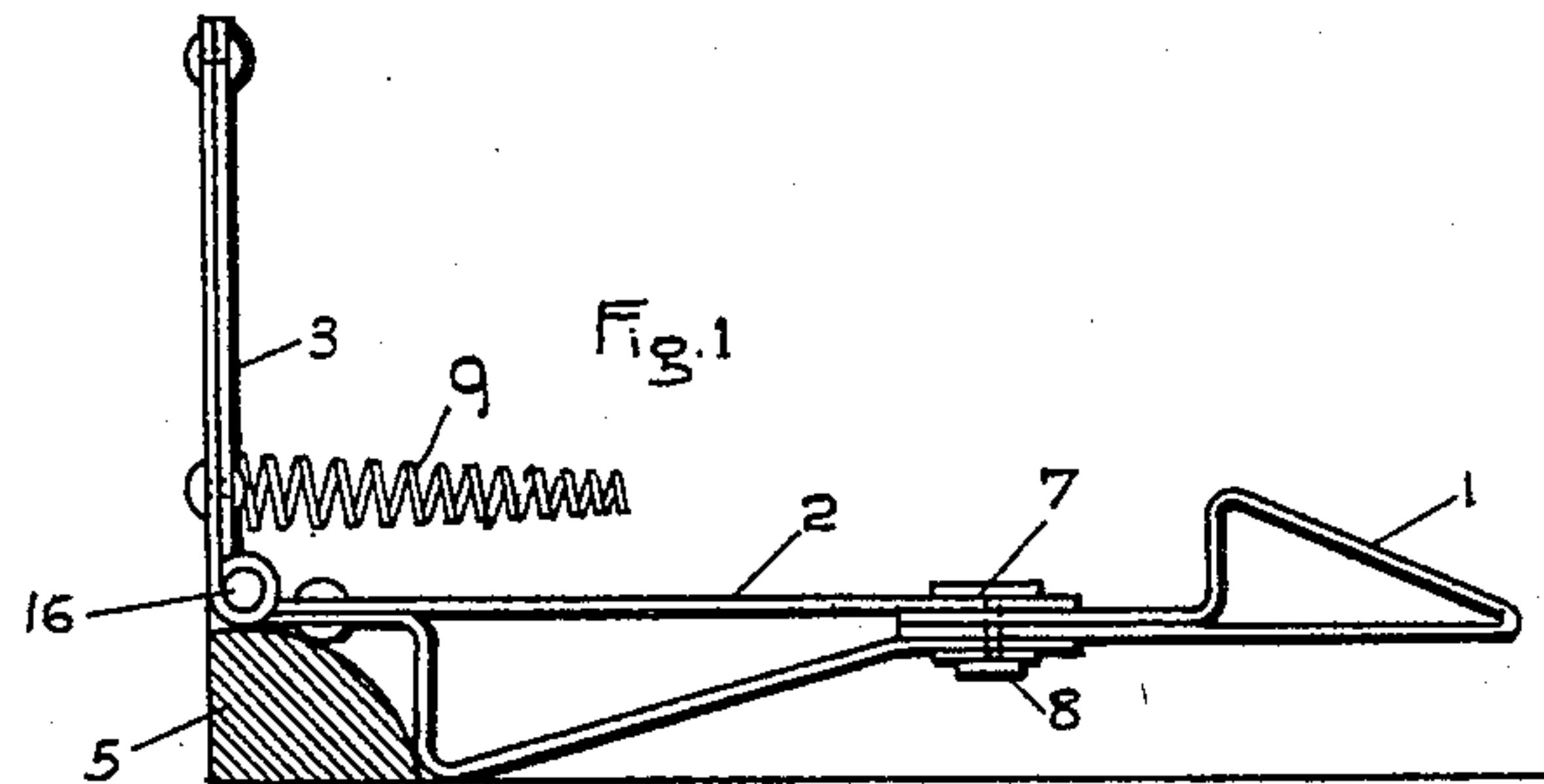
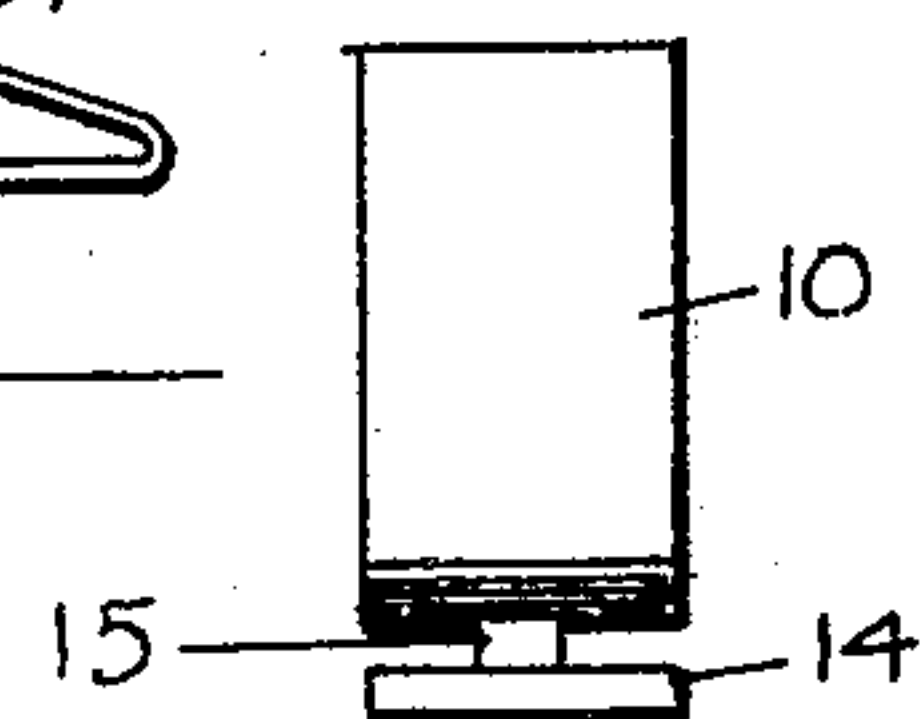
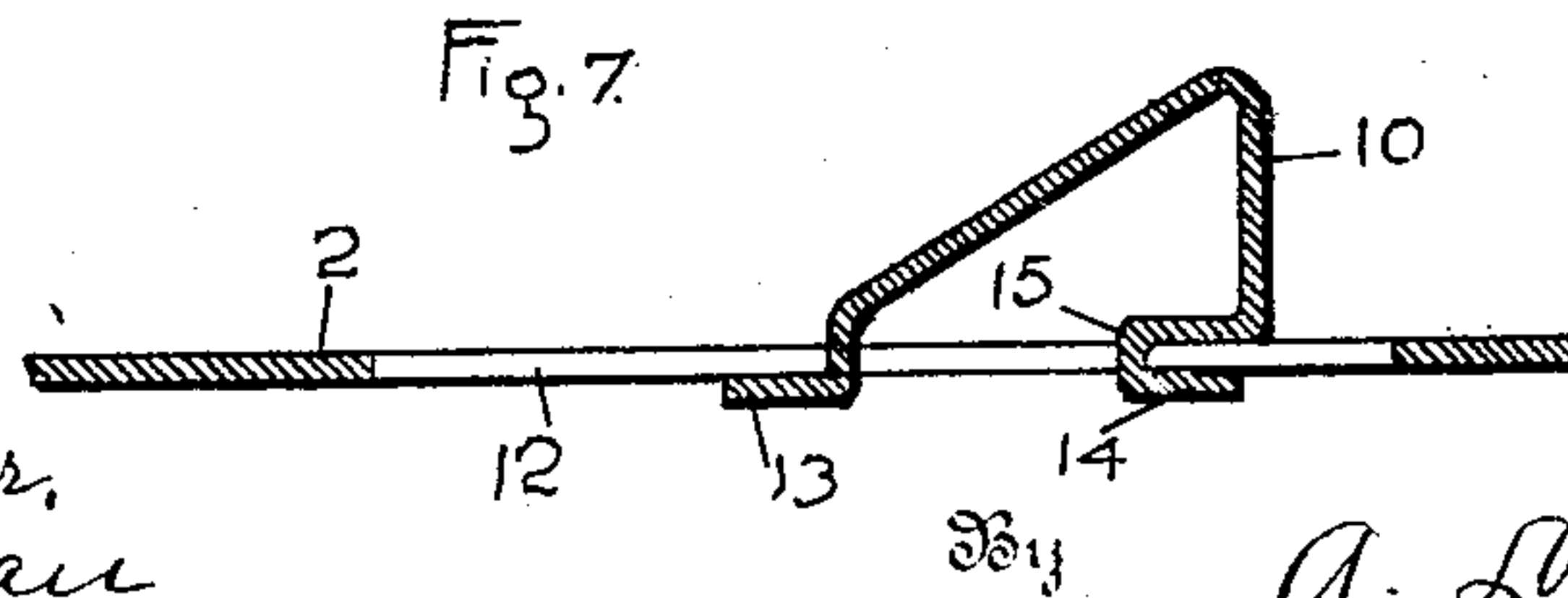


Fig. 6.



Inventor,

Witnesses  
J. T. Walker,  
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# UNITED STATES PATENT OFFICE.

JOHN W. HAGERTY, OF FORT WORTH, TEXAS.

## DOOR-STOP.

968,936.

Specification of Letters Patent. • Patented Aug. 30, 1910.

Application filed January 7, 1910. Serial No. 536,927.

*To all whom it may concern:*

Be it known that I, JOHN W. HAGERTY, a citizen of the United States, residing at Fort Worth, in the county of Tarrant and State of Texas, have invented certain new and useful Improvements in Door-Stops, of which the following is a specification.

My invention relates to door stops and buffers combined and the object is to provide simple devices for catching and holding the bottom of a door and which will prevent the jarring of the door against a wall or prevent the door knob from striking the wall and which is not attached to a floor.

Another object is to provide a stop which is adjustable to doors of different thicknesses and which is adjustable to receive doors at any angle or to hold a door which is set at any desirable angle to the wall.

Another object is to provide a stop which will not interfere with a floor mold and which may be folded up against the wall when the floor is being wiped or cleaned.

Other objects and advantages will be fully explained in the following description and the invention will be more particularly pointed out in the claims.

Reference is had to the accompanying drawings which form a part of this application.

Figure 1 is a side elevation of the stop which is provided with a buffer. Fig. 2 is a plan view of the same. Fig. 3 is a side elevation without a buffer. Fig. 4 illustrates the stop provided with a spring-controlled slide for a buffer. Fig. 5 is a plan view of the door catch. Fig. 6 is a face view of the slide shown in Fig. 4. Fig. 7 is a vertical section of the catch supporting arm and the slidable buffer.

Similar characters of reference are used to indicate the same parts throughout the several views.

The catch 1 is carried by a spring bar 2 which is hinged to a wall piece 3. The spring bar 2 is supported on a knee 4. The knee 4 is far enough from the supporting wall piece 3 to provide for the floor mold 5. The knee 4 makes a brace for the bar 2 and provides space for the downward movement of the catch 1 when the door commences to move on the catch. The spring bar makes the catch resilient so that as soon as the door has passed over the highest point of the catch, the catch will rise up and hold the door. The catch may be easily pressed down

by the foot to release the door when the door is to be closed. The shank of the catch 1 is clamped between the bar 2 and the end of the knee piece 4 and is made adjustable thereto by reason of the slot 6 in which the bolt 7 operates, the shank being clamped in place by the bolt 7 and nut 8. This adjustment is provided so that doors of different thicknesses may be held by the catch or to adapt the catch to a door of any thickness or which has the bolts thereof projecting at any distance from the plane of the door. The catch may also be set or placed to hold the door at any angle. See the dotted outline in Fig. 2. The catch has thus a longitudinal adjustment and also a radially horizontal adjustment. The stop is provided with a spring buffer 9, as shown in Fig. 1 or as shown in Fig. 4 and indicated by the numeral 10. The buffer 9 is attached to the wall piece 3. The buffer 10 is slidably mounted on the spring bar 2 and a spring 11 is attached to the buffer 10 and to the wall piece 3. The bar 2 has a slot therein, shown at 12 in Fig. 7 and the buffer 10 has keepers 13 and 14 below the bar 2 and connected to the buffer by necks 15. The buffer 10 is thus slidably mounted on the bar 2 and the keepers 13 and 14 prevent displacement of the buffer. The spring bar 2 is hinged to the wall piece 3 by a hinge 16 so that the stop can be swung up from the floor so that the floor may be scrubbed. It will be understood that the buffer 10 is applicable to the stop as shown in Figs. 1 and 2 and in Fig. 3.

It will be understood that various mechanical changes may be made in the construction of the stop herein shown without departing from my invention.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent, is,—

1. A door stop having a wall piece, a horizontal resilient bar hinged thereto, a supporting knee attached to said bar and supporting said bar normally above the floor line, and a catch for a door carried by said bar.

2. A door stop having a wall piece, a resilient bar attached thereto, a supporting knee spaced from the wall of the room and attached to said bar, a catch carried by said bar, and means for adjusting said catch longitudinally on said bar.

3. A door stop having a wall piece, a resilient bar attached thereto, a resilient sup-



port for said bar attached thereto, a catch carried by said bar, and means for radial adjustment of said catch on said bar.

5 4. A door stop having a wall piece, a catch, a bar carrying said catch and attached to said wall piece, a resilient support for said bar, and means for longitudinal and radial adjustment of said catch on said bar.

10 5. A door stop having a wall piece, a catch, a resilient bar supported above the floor and attached to said wall piece, and means for longitudinal adjustment and radial adjustment of said catch on said bar.

15 6. A door stop having a wall piece, a resilient bar attached thereto, a catch carried by said bar, and a spring-actuated buffer slidably mounted on said bar.

7. A door stop having a wall piece, a resilient bar attached thereto, a catch carried

by said bar, a buffer slidably mounted on 20 said bar, and a spring attached to said buffer and to said wall piece.

8. A door stop having a wall piece, a resilient bar attached thereto, said bar having a slot therein, a catch carried by said bar, 25 a spring-actuated buffer slidably mounted on said bar, keepers for preventing displacement of said buffer, and necks connecting said keepers to said buffer and movable in said slot. 30

In testimony whereof, I set my hand in the presence of two witnesses, this 31st day of December, 1909.

JOHN W. HAGERTY.

Witnesses:

A. L. JACKSON,  
J. W. STITT.