

C. W. BARNES.
 SPRING CATCH AND STOP FOR DOORS.

No. 78,355.

Patented May 26, 1868.

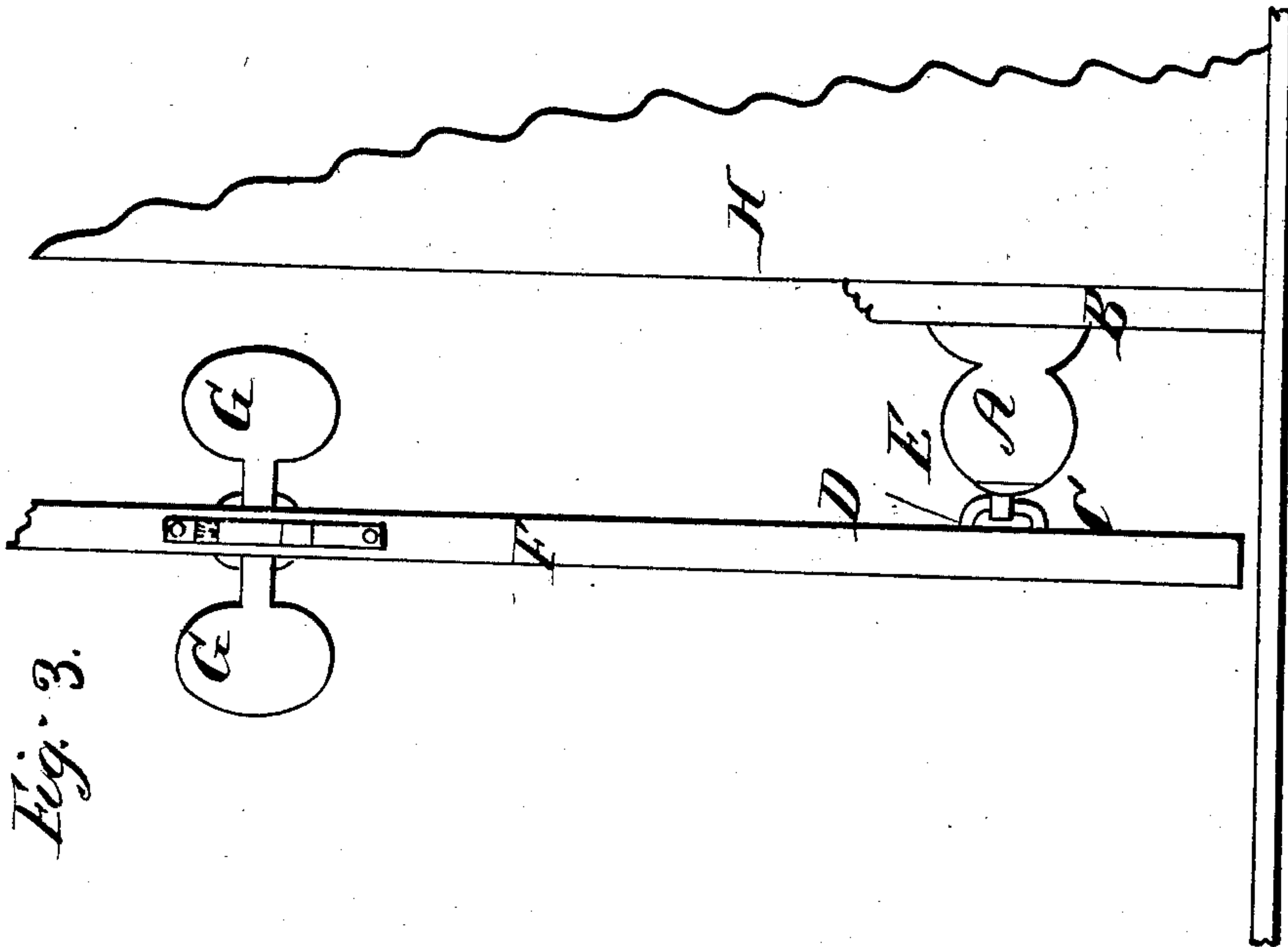


Fig. 3.

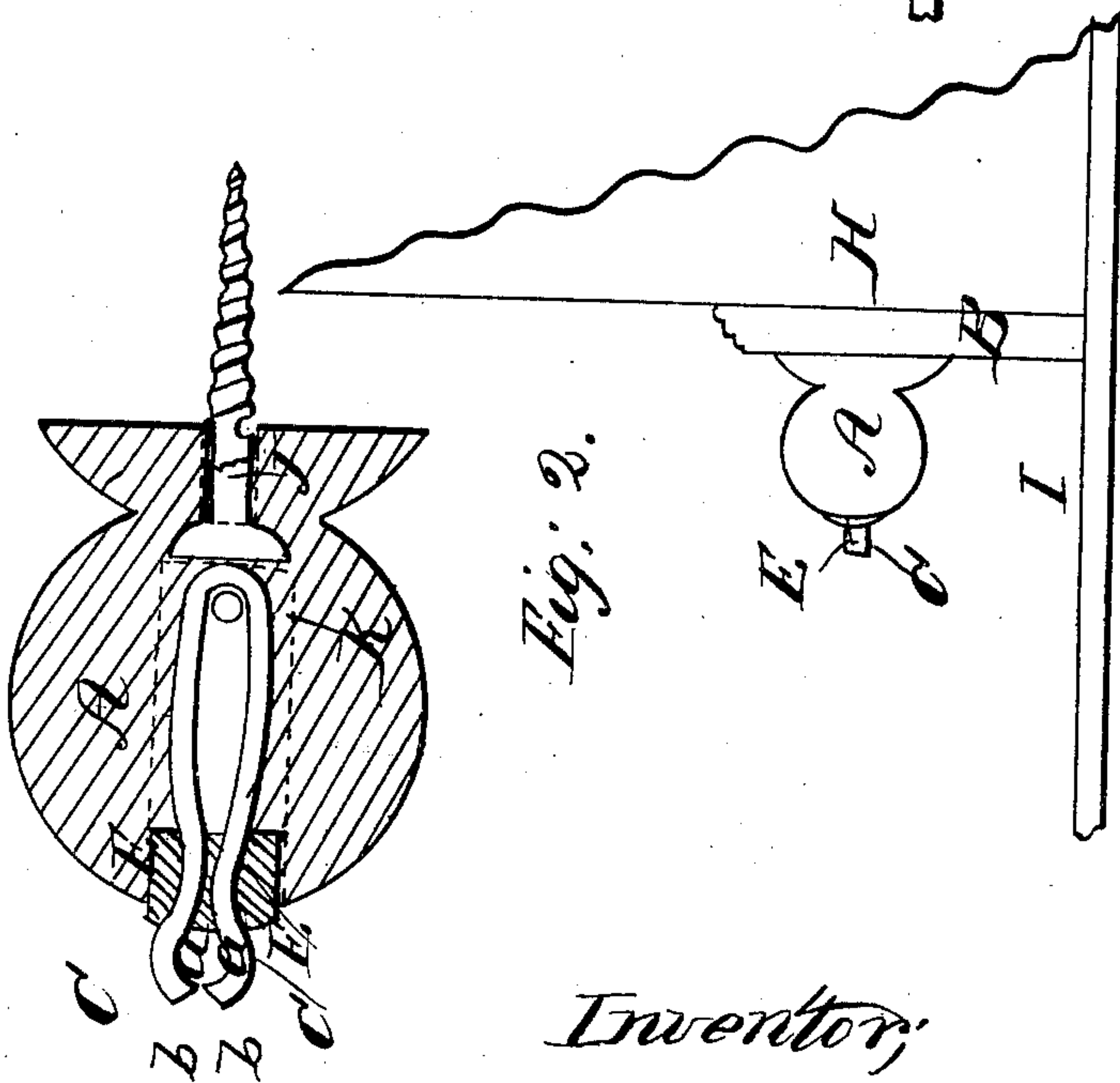


Fig. 1.

Fig. 2.

Witnesses;
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CHARLES W. BARNES, OF JANESVILLE, WISCONSIN.

Letters Patent No. 78,355, dated May 26, 1868; antedated May 19, 1868.

IMPROVED SPRING-CATCH AND STOP FOR DOORS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, CHARLES W. BARNES, of Janesville, Rock county, in the State of Wisconsin, have invented a new and useful Elastic Catch, to hold doors when opened; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, the same letter representing the same part in each figure.

The nature of my invention consists in a spring-catch, attached to a knob, fastened to a base-board or wall of a room, to receive a staple or loop in the door, to hold the door with sufficient strength to keep it from swinging when opened, and yet, with a little force applied to it, is readily detached and the door closed.

Also in a rubber seat, enclosing the spring at the end of the knob, serving to keep the spring in place centrally in the knob, and as a spring auxiliary to the metallic spring.

Figure 1 is a horizontal view of a knob, spring, pin, and screw, cut horizontally through the centre.

Figure 2 is a view of a knob and section of a base, wall, and floor.

Figure 3, in addition to fig. 2, shows a section of a door, with a staple therein to connect with knob and spring.

A is the knob, that contains the spring. C C is the metallic-spring. E.E is the rubber seat and spring, and K is the pin that holds the metallic spring in the knob. J is a screw, attached by a flattened head, or in any suitable manner, to the knob, and by it the knob is attached to the base-board B, or to the wall H. F is a section of a door, with its knobs G G. The staple D serves to connect the door with the metallic catch C C, and I represents a section of a floor.

In fig. 1 the jaws of the spring C C have a double bevel, as at *a a* and *b b*. This allows the staple, attached to the door, to press open the spring, and the spring encloses the staple and holds the door with sufficient strength to keep the wind and accidents from swinging it, and also saves the inconvenience of placing a brick or weight against the door to keep it open.

Also it will be observed that the bevels *a a* allow the door to be detached by the application of a small force, as may be necessary when desiring to close it.

The rubber ring E keeps the metallic spring steadily in the centre of the knob, and also serves as a gentle auxiliary to aid the strength of the metallic spring.

I am aware that a knob has been used to keep a door from the wall, and I do not broadly claim a knob attached to the base-board of a room; but

What I do claim, and desire to secure by Letters Patent, is—

Knob A, metallic springs C, rubber seat E, and staple D, connected to a door, when the whole are constructed and used substantially as and for the purposes described.

Witnesses:

J. M. MAY,

F. C. WHITTIER.

CHARLES W. BARNES.