

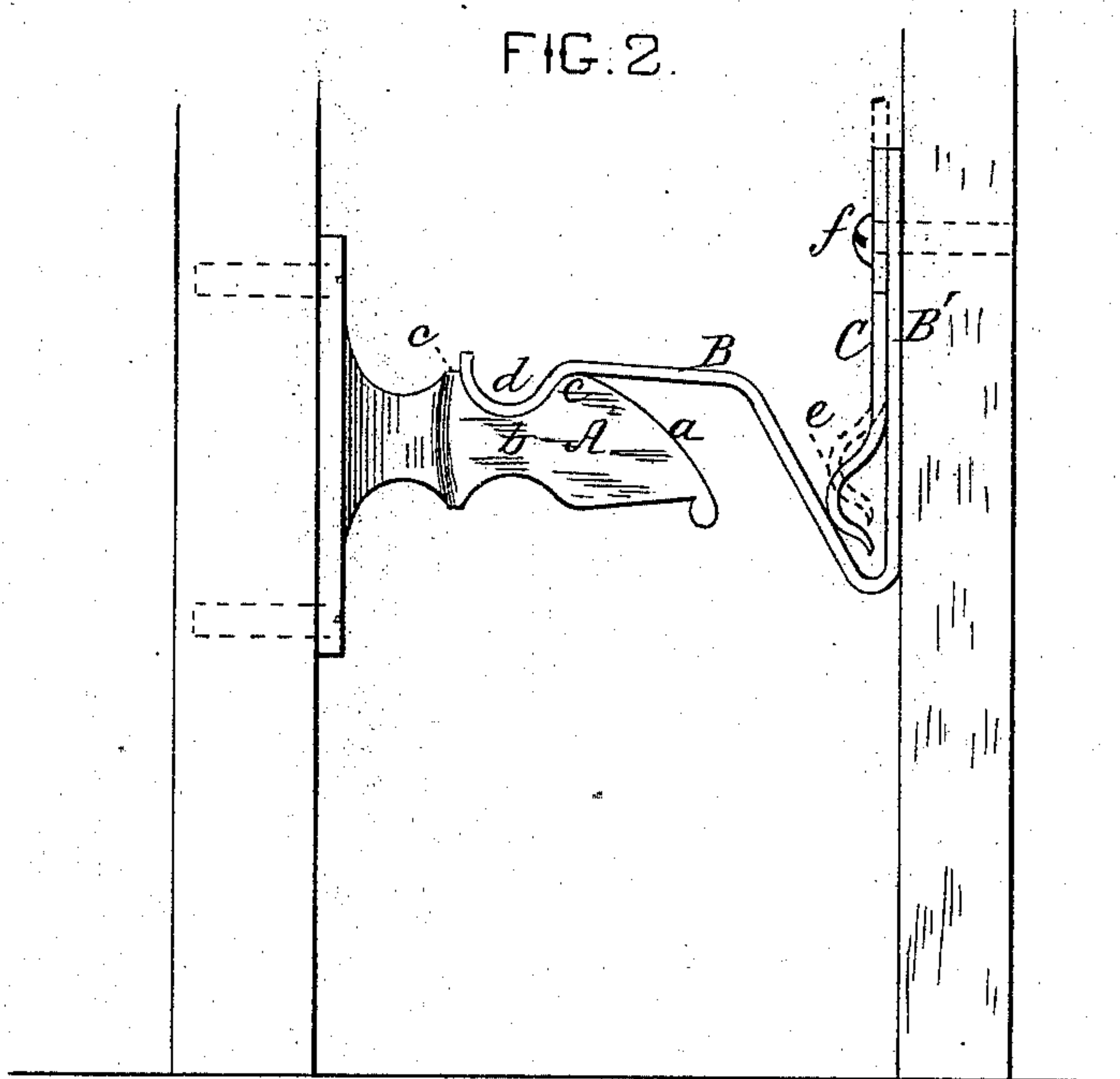
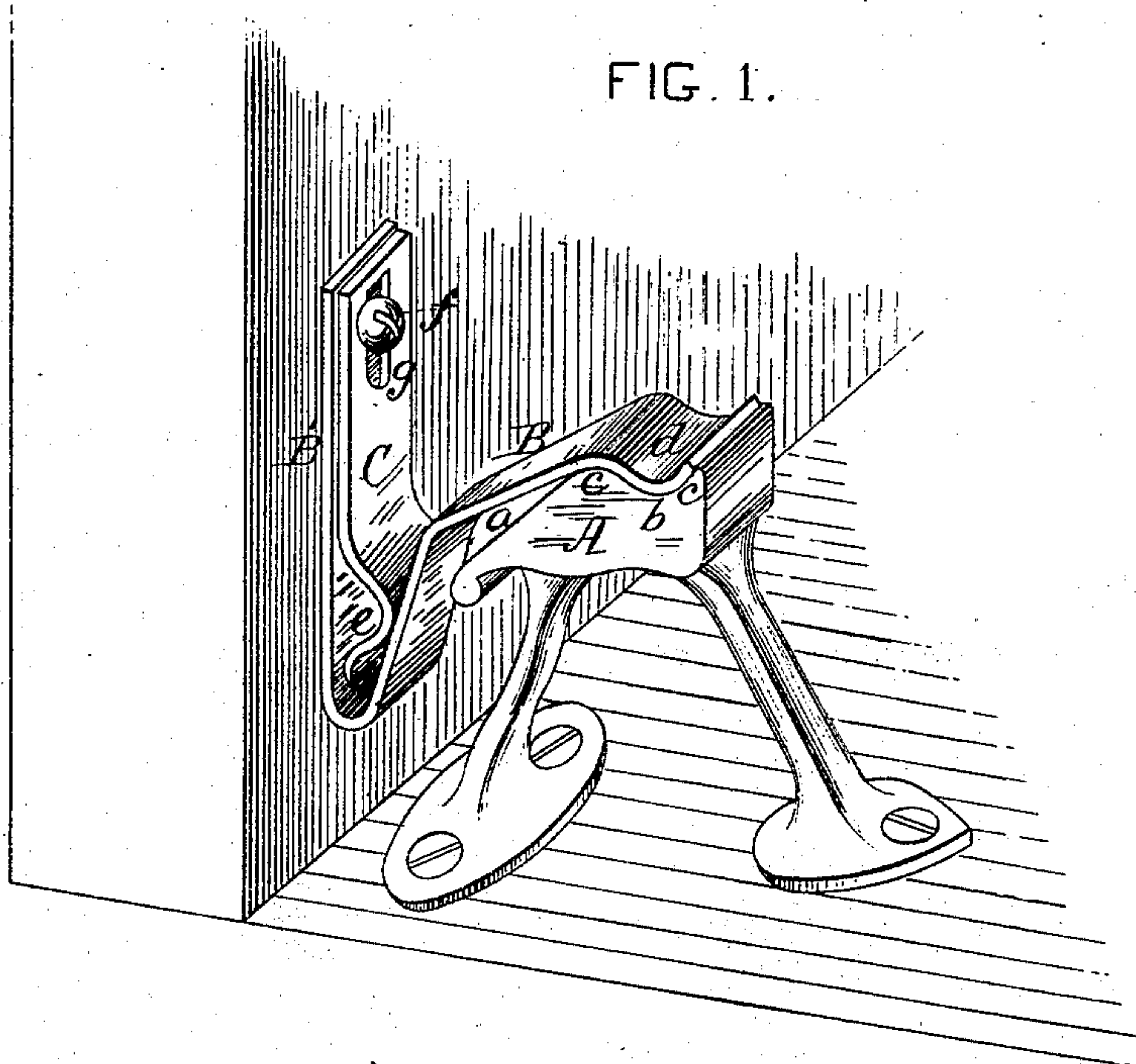
(No Model.)

F. W. FIEDER.

DOOR CHECK.

No. 270,044.

Patented Jan. 2, 1883.



Witnesses
Edmund Broahag
Howell Barth.

Inventor:
F. William Fieder,
Johnson & Johnson
Attys

UNITED STATES PATENT OFFICE.

F. WILLIAM FIEDER, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE PULLMAN DOOR CHECK COMPANY, OF SAME PLACE.

DOOR-CHECK.

SPECIFICATION forming part of Letters Patent No. 270,044, dated January 2, 1883.

Application filed October 30, 1882. (No model.)

To all whom it may concern:

Be it known that I, F. WILLIAM FIEDER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Door-Holders, of which the following is a specification.

My invention relates to devices for holding doors in an open position, and for protecting walls against the slamming action.

The matters of my improvement consist in the construction hereinafter described and specifically claimed. They are directed particularly to preserving the tension of a peculiar-shaped plate-spring adapted to be fastened to the door and to ride over a check-holder upon the floor or wall, constructed with reference to properly receiving said spring and holding it, as will appear from the drawings and description.

Referring to said drawings, Figure 1 represents a view in perspective, showing a stop-catch upon the floor as engaged with a plate-spring upon the door, according to the construction and purpose of my invention, and in which Fig. 2 represents a side elevation of a plate-spring upon the door as engaging with a stop-catch upon the wall.

In the drawings, A is the stop catch proper or holder, which has a beveled surface, *a*, to permit the plate-spring to ride over it, as will be described, and a concave depression, *b*, forming shoulders *c c*, between which said spring is held, as seen in the drawings. This spring is designated by the letter B. It is of strap-brass or other suitable metal, and is fastened strap-like upon the door-face by a straight end, *B'*, rising upwardly and outwardly from its lower end, as shown, to give it the tension, and terminating in a bend, *d*, adapted to ride over the bevel *a* and drop into the depression *b* when the door is shoved back, as will be readily understood from the drawings. This spring B, fastened to the door-face, is supplemented by the strap-spring C, terminating in

a bulge, *e*, as shown, to cushion and re-enforce the main spring B, as it may encounter resistance in riding the stop-catch. This spring C is secured at its upper end by the same bolt or screw, *f*, which secures the main plate-spring, the said bolt passing through an elongated opening or slot, *g*, whereby said spring C may be adjusted up or down to properly preserve the tension of the main spring by setting its bearing end *e* in relation to the acting arm of the plate-spring. This spring is important in supplying a very necessary element in the combination described, as, should the main spring by frequent usage lose its tensile power, it might fail of its action to properly grip the stop-catch. So I bulge the spring at *e*, and provide it with the means described for raising or lowering it to come in contact with the main spring. It also serves to cushion the main spring as it strikes the bulge.

In using the device the supplemental spring can be adjusted up free of the plate-spring, and as by constant wear this spring flags or drops the supplemental spring is adjusted downward by the means shown and described, so as to always present the bulge for the bearing of the main spring. In lowering the supplemental spring it is brought down so far, and so far only, as to touch or nearly touch the inner or upper surface of the main spring.

I claim—

The combination of the bent plate-spring B, having the bend *d*, and the stop-catch A, having the depression *b*, with the adjustable plate-spring C, having the bearing end *e* arranged and adapted for adjustment in relation to the holding-spring B, substantially as described, for the purpose specified.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

F. WILLIAM FIEDER.

Witnesses:

E. D. SWENIE,
J. F. DOERR.