

(No Model.)

E. FROTHINGHAM.

DOOR CHECK.

No. 356,115.

Patented Jan. 18, 1887.

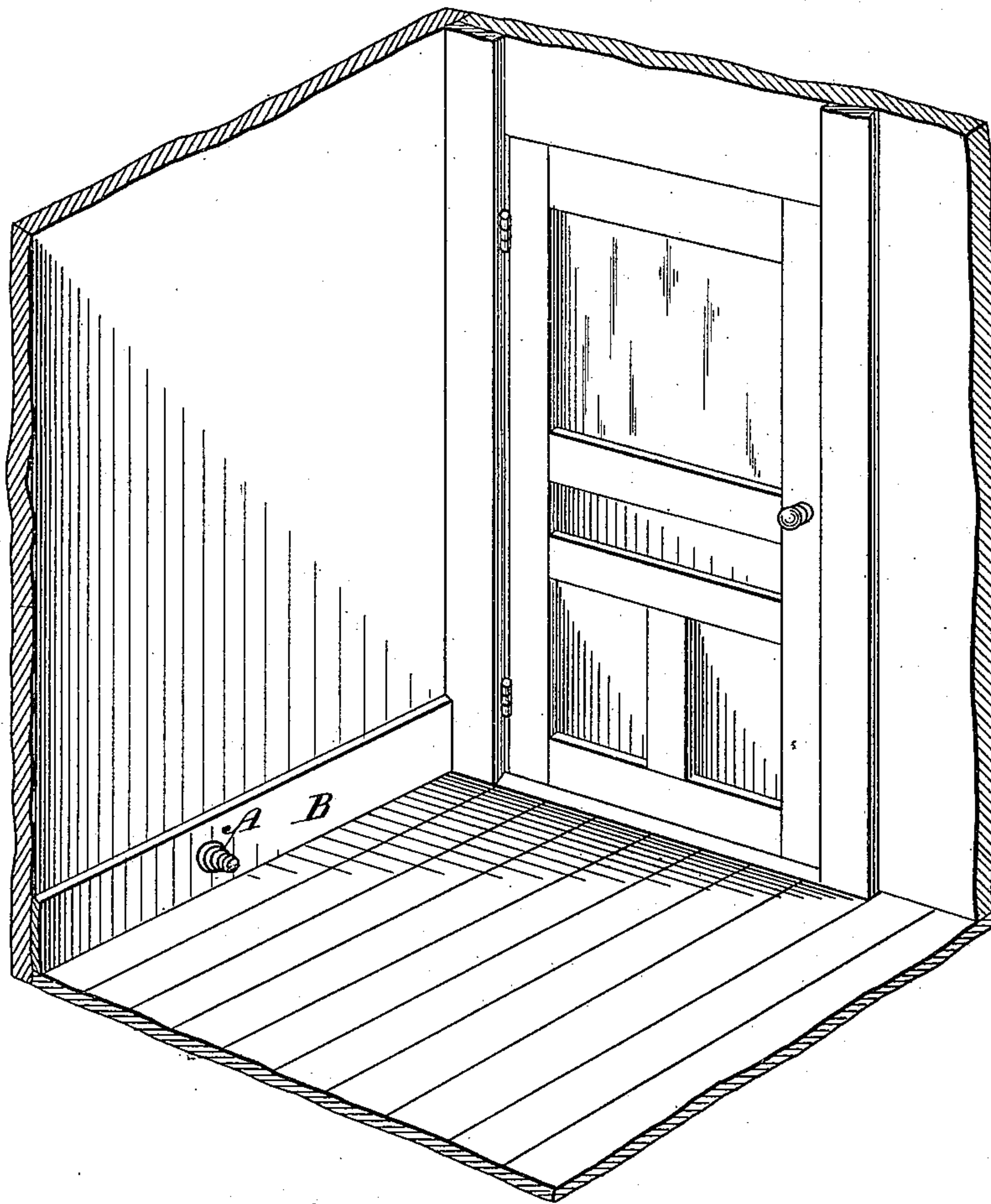


Fig. 1.

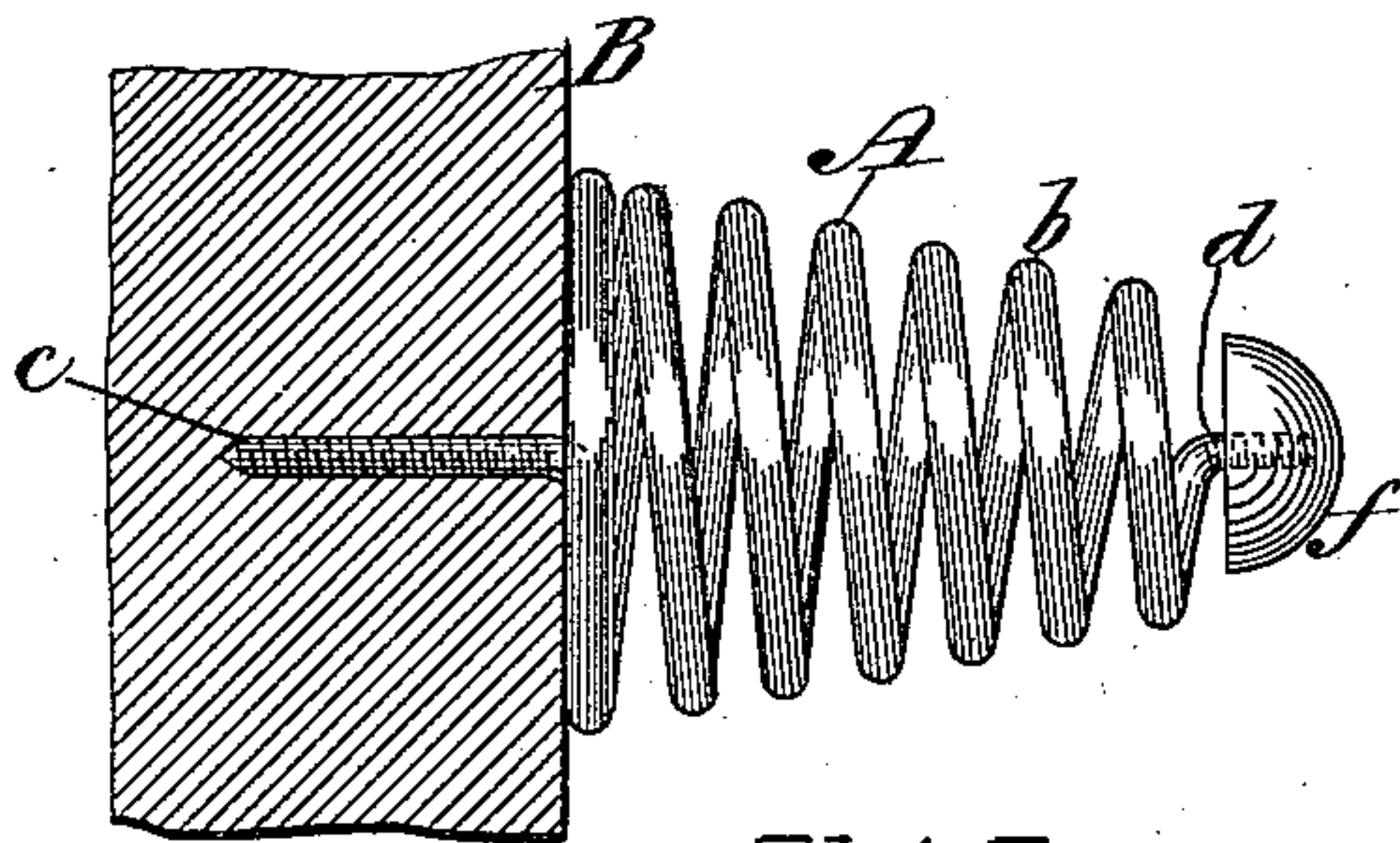


Fig. 2.

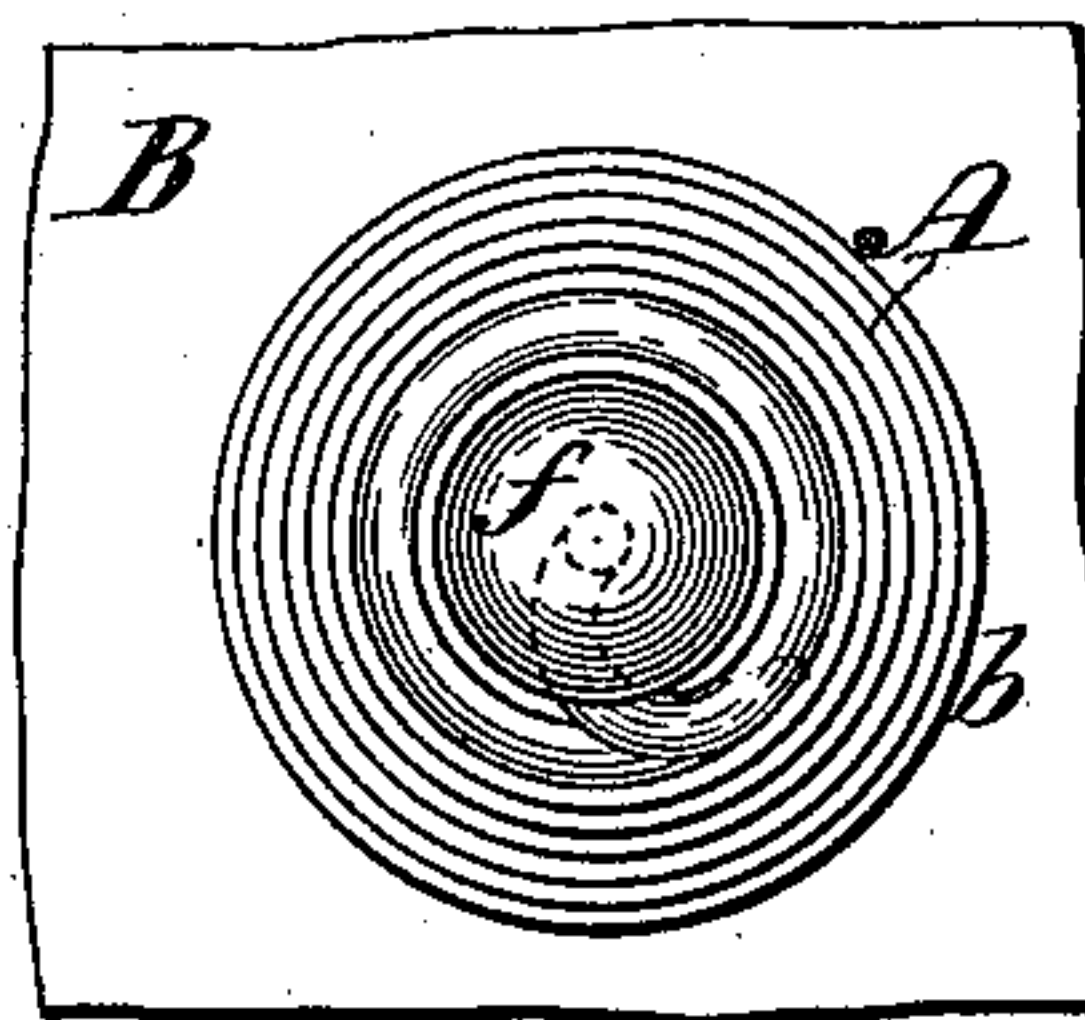


Fig. 3.

WITNESSES.

Chas. Spaulding.  
Albert G. Grover.

INVENTOR.

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By J. H. Schenck  
Att'y



# UNITED STATES PATENT OFFICE.

EDWIN FROTHINGHAM, OF BOSTON, MASSACHUSETTS.

## DOOR-CHECK.

SPECIFICATION forming part of Letters Patent No. 356,115, dated January 18, 1887.

Application filed November 15, 1886. Serial No. 218,964. (No model.)

*To all whom it may concern:*

Be it known that I, EDWIN FROTHINGHAM, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented an Improvement in Door-Stops, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view, showing my improved door-stop applied to the base-board of a room. Fig. 2 is a side elevation of my door-stop. Fig. 3 is a front elevation of the same.

My invention has for its object to provide a cheap, simple, and durable door-stop which will possess a greater amount of elasticity and yield to a greater extent than those now in common use, whereby the door in striking the same is relieved from the shock or jar experienced with the ordinary door-stop; and to this end my invention consists in a door-stop composed of a single piece of wire bent to form a helical or spiral spring, and having at its inner end a projecting portion adapted to enter the base-board of a room, and bearing at its outer end a button or knob for contact with the door, as hereinafter more particularly set forth.

In the said drawings, A represents my door-stop, which is composed of a piece of wire, *b*, bent into the form of a helical or spiral spring. At the inner end of the stop the wire *b* is bent from the periphery to the center, and then at a right angle to form the straight portion *c*, Fig. 2, which extends outwardly in line with the axis of the stop, and is preferably provided with a screw-thread to enable the stop to be screwed into the base-board B of the apartment, as seen in Figs. 1 and 2, in a proper position to intercept the door as it is opened, and prevent the contact of the door-knob with the wall.

If desired, the portion *c* may be smooth and be driven into a hole bored to receive it. It is obvious, however, that the portion *c* may be

dispensed with entirely, and the wire spring be secured in place in any suitable manner—for instance, by means of staples passed over the last or inner coil of the wire, and driven into the base-board B. The outer end of the wire *b* is bent outwardly to form a short projecting portion, *d*, which is also in line with the axis of the stop, and bears a button or knob, *f*, of hemispherical or other suitable shape, and preferably composed of rubber or other elastic substance to prevent the door from being marred or injured by contact therewith, the portion *d* of the wire being, preferably, provided with a screw-thread, and being screwed into the center of the back of the button or knob *f*, whereby the latter is securely fastened upon the end of the wire. This button or knob receives the impact of the door as the latter is swung open against it, and it will be obvious that the helical or spiral wire spring above described will yield to a much greater extent than an ordinary door-stop, thus effectually preventing any unpleasant jar or concussion from being communicated to the door, which is an important consideration, especially where a portion of the door is composed of glass, while the force of the blow is taken up so gradually and easily that noise is avoided, thus presenting many advantages hitherto unattained.

What I claim as my invention, and desire to secure by Letters Patent, is—

The herein-described door-stop, composed of a single piece of wire bent to form a helical or spiral spring, and having at its inner end a projecting portion adapted to enter the base-board of a room, and bearing at its outer end a button or knob for contact with the door, substantially as set forth.

Witness my hand this 13th day of November, A. D. 1886.

EDWIN FROTHINGHAM.

In presence of—

P. E. TESCHEMACHER,  
E. F. EDGETT.