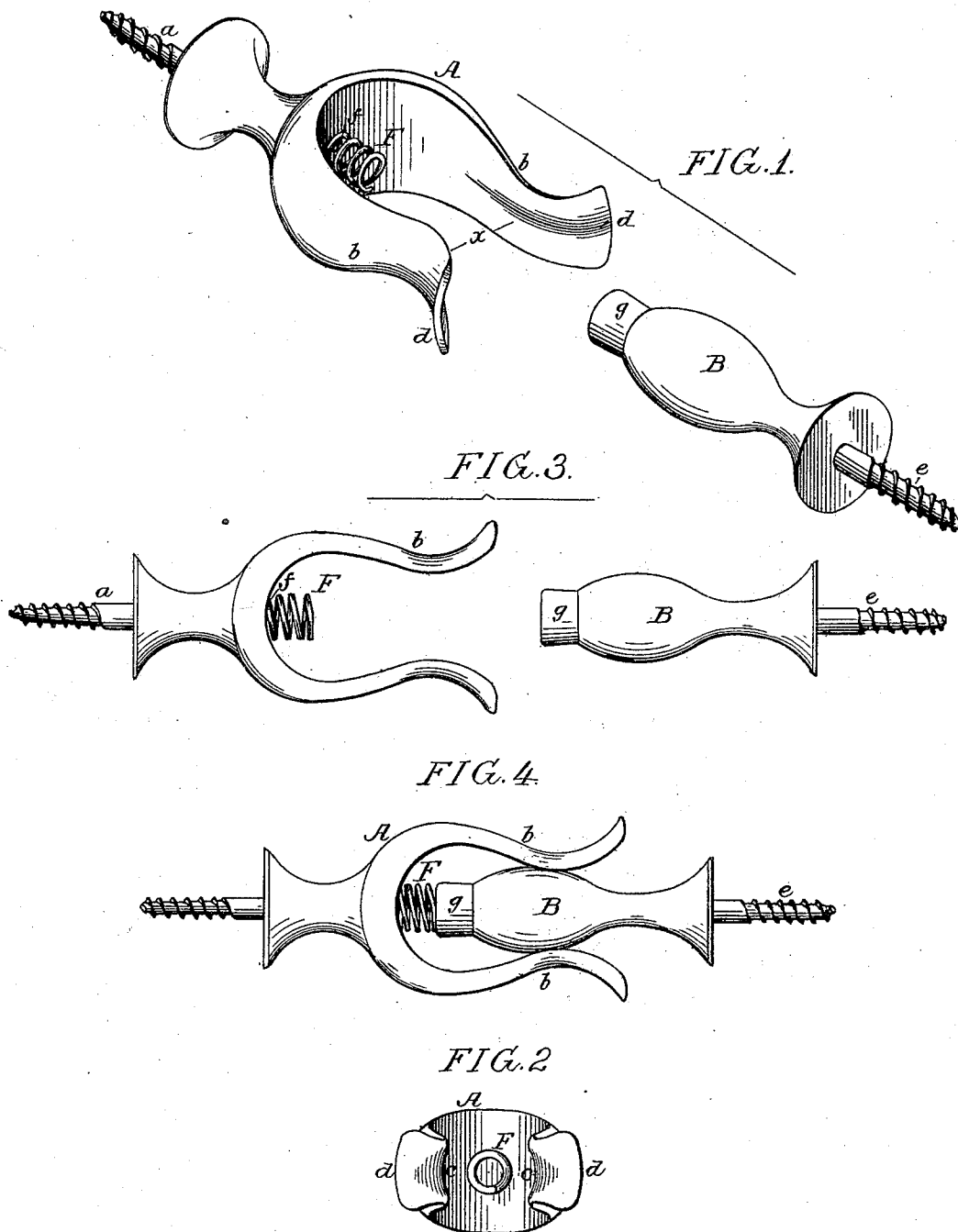


(No Model.)

E. LAWSON.
DOOR CHECK.

No. 416,465.

Patented Dec. 3, 1889.



Witnesses:
Andrew C. Grouse.
John J. Seamy.

Inventor:
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by his Attorneys
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UNITED STATES PATENT OFFICE.

EUGENE LAWSON, OF WILKES-BARRÉ, PENNSYLVANIA.

DOOR-CHECK.

SPECIFICATION forming part of Letters Patent No. 416,465, dated December 3, 1889.

Application filed May 18, 1889. Serial No. 311,276. (No model.)

To all whom it may concern:

Be it known that I, EUGENE LAWSON, a citizen of the United States, and a resident of Wilkes-Barré, Luzerne county, Pennsylvania, have invented certain Improvements in Door Stops and Retainers, of which the following is a specification.

The object of my invention is to make a door or shutter stop and retainer in a simple manner that will be strong, effective, and hold the door or shutter rigidly.

My invention is especially applicable for use in connection with the doors of railway-cars and in public places, where a secure and strong stop is desirable.

In the accompanying drawings, Figure 1 is a perspective view of the ball and the socket of the stop detached from each other. Fig. 2 is an end view looking at the mouth of the socket. Fig. 3 is a plan view of the ball and socket detached, and Fig. 4 is a view showing the ball and socket attached.

A is the socket, having a screw *a* for application to the door or to the wainscoting of the room or apartment. The socket A is made of one casting and has arms *b b*, the inner edges of which are curved, as shown at *c c*, and flare, as shown in Figs. 1 and 2, to the ends *d d*. The space on the line *x* is a trifle narrower than the largest diameter of the ball B, which is rounded, as shown, and is provided with a screw *e* for application to the door or wainscoting. When the ball is forced into the socket, as shown in Fig. 4, the

arms *b b* will yield sufficiently to allow the ball to pass the narrowest portion *x*, and will hold the ball in position, thereby holding the door open. In the socket is an orifice *f*, in which is a coiled spring F, extending into the opening formed by the arms *b b*, so that as the ball is forced into the socket this spring receives the thrust. I also prefer to provide the ball with a spring *g*, of rubber, adapted to an orifice in the wall, which abuts the spring F when the door is open, and the two springs force the ball against the arms *b b*, preventing shaking of the door, which is objectionable, especially in railway-cars. The socket may carry the rubber spring and the ball the coiled spring. By having one a metallic spring and the other a rubber spring the action is much easier and noise is prevented.

It will be understood that the stop may be used as a cupboard-catch to hold a door closed instead of open.

I claim as my invention—

A door stop and retainer made of one casting having the body A, two arms *b b*, with flaring ends, and screw *a*, substantially as and for the purpose described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EUGENE LAWSON.

Witnesses:

H. F. REARDON,
HENRY HOWSON.