

A. A. Veer's Door Buffer and Catch.

109692

PATENTED NOV 29 1870

Fig. 1.

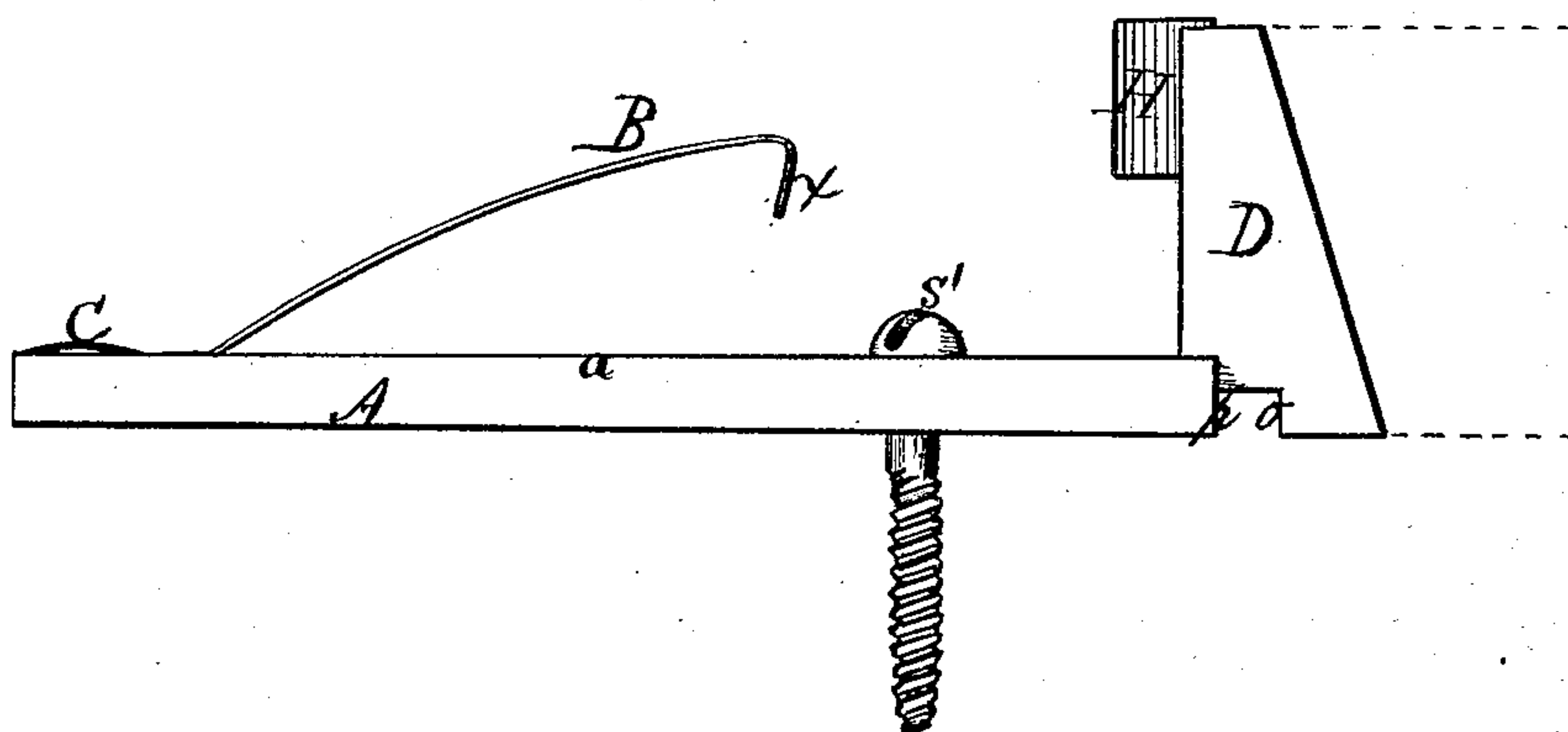
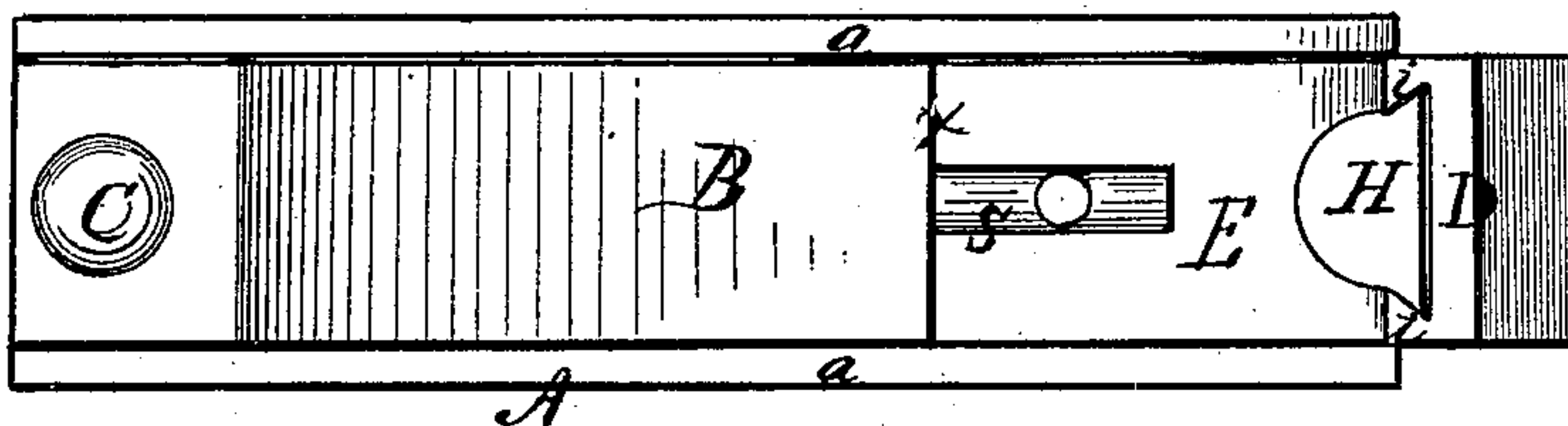


Fig. 2.



Witnesses:
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By his Attorney
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United States Patent Office.

ANDREW A. VEER, OF DELAWARE, OHIO.

Letters Patent No. 109,692, dated November 29, 1870.

IMPROVEMENT IN BUFFERS AND CATCHES 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, ANDREW A. VEER, of Delaware, in the county of Delaware and State of Ohio, have invented a new and useful Improvement in "Buffer and Catch" for Doors; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon.

Figure 1 represents a side elevation of my improved buffer and catch.

Figure 2 represents a plan or top view of the same.

The object of my invention is to provide a simple, cheap, and efficient device, capable of general application and use, for the purpose of stopping a door when opened, and of holding the same in a fixed position, as is hereinafter more fully explained.

In the accompanying drawing—

A denotes a base-plate, which is constructed with two flanges, *a a*, between which the metal spring B is secured by rivet C, as represented in the drawing.

D denotes the buffer-head, to which the tongue E is made fast, and the latter fits into the recess formed by flanges *a a* upon the edges of base-plate A.

A central longitudinal slot, *s*, is formed in tongue E, and a hole for the screw *s'* is made through the base-plate A.

The face of the buffer-head D is recessed, having beveled or dovetailed lateral lips, as seen in fig. 2, at *i i*.

H denotes a block of India rubber, which fits into and is securely held in the dovetailed recess in the face of the buffer-head D.

The India-rubber buffer-block H has a convex face, which projects in front of the lips *i i* of the buffer-head, for the purpose of stopping the door which will be opened against it.

It will be seen, from the foregoing description, that the space between the end *x* of the spring catch B and the buffer-block H may be enlarged or diminished by loosening the screw *s'*, (which passes through the slot of the tongue,) and sliding the buffer-head, with its tongue E, in either direction within the recess of the base-plate A, the slot *s* in the tongue being formed for such an adjustment.

When my improved device is employed for holding a door which is of the least thickness, the buffer-head will be adjusted so as to bring its base at *o* in contact with the end of the base-plate at *p*.

My buffer and catch will be secured, by means of adjusting-screw *s*, to the floor of a room, and usually near a wall against which the door would strike in opening it; and, as the bottom of the door passes over the spring catch B, the spring will be depressed, and, when the door strikes the buffer-block H, the movement will be stopped, and the spring B, which was depressed while the door passed over it, will rise up or retract, and retain the door between the end *x* of the spring B and the face of the buffer-block H.

The adjustment of the buffer-head and its tongue in the base-plate will enable my buffer and catch to be readily used to stop and hold doors of various thicknesses.

To close a door held by my device, the spring may be depressed by the foot of a person.

It is obvious that either metal or wood may be used for the spring; also, that a hinged metal latch might be substituted for the spring B, provided a spiral or rubber spring were placed beneath it.

Other slight modifications of my structure might be employed without departing from the principle of my invention.

I propose to construct my base-plate, buffer-head, and tongue of either malleable or wrought-iron or other metal.

Having fully described my improved door-buffer and catch.

I claim as new and desire to secure by Letters Patent—

The adjustable buffer-head D, or its equivalent, provided with a buffer-block, in combination with a base-plate and a catch, substantially as and for the purpose described.

In testimony whereof, I have hereunto set my hand this 8th day of August, A. D. 1870.

A. A. VEER.

Witnesses:

J. J. GLOVER,
ROBT. HURLY.