

(No Model.)

J. D. BARBER.  
DOOR CHECK.

No. 424,257.

Patented Mar. 25, 1890.

Fig. 1.

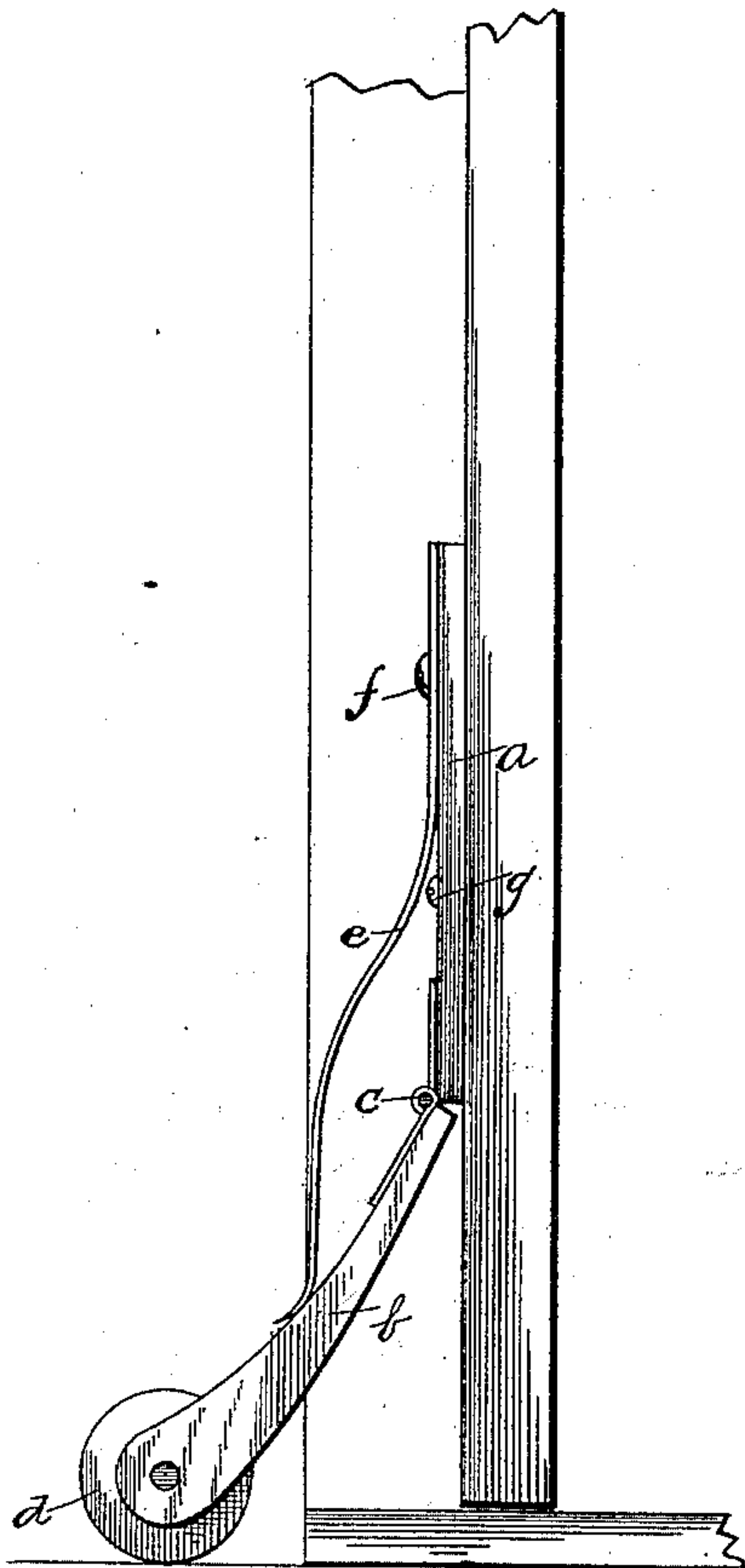
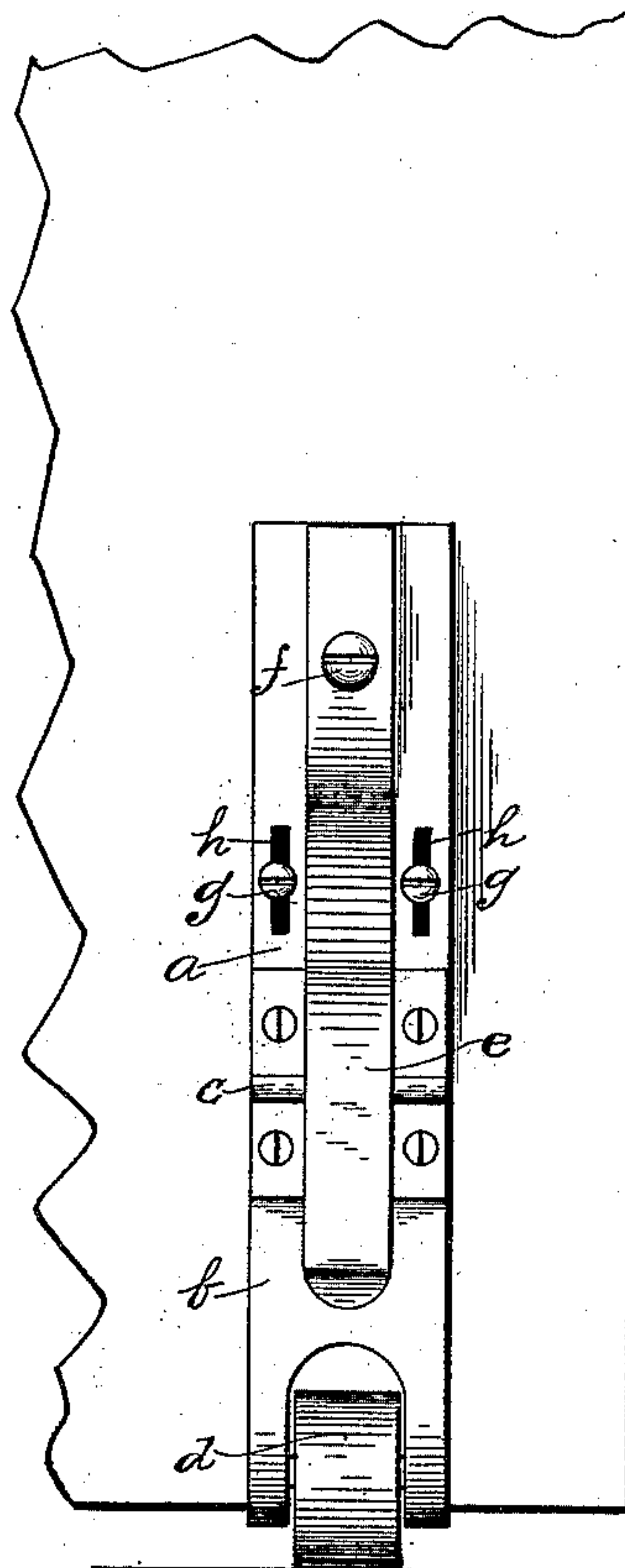


Fig. 2.



Witnesses

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# UNITED STATES PATENT OFFICE.

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## DOOR-CHECK.

**SPECIFICATION** forming part of Letters Patent No. 424,257, dated March 25, 1890.

Application filed January 14, 1890. Serial No. 336,927. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN D. BARBER, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Door-Checks; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to 10 which it appertains to make and use the same.

My invention relates to improvements in door-checks; and the object of the invention is to provide means whereby a swinging door will be held in any position to which it may 15 be moved by the mechanism thus provided, and not be liable to be closed or moved in any direction by the wind, as well as to contribute to the easy noiseless closing of the door and prevent slamming of the same, all as herein- 20 after more fully described, and particularly pointed out in the claim.

In the accompanying drawings, Figure 1 is a side elevation of my improved door-check, and Fig. 2 is a front elevation thereof.

25 The improved mechanism consists in a wheel-support composed of two bars *a b*, hinged together at their adjoining ends at *c*, and provided with a caster, wheel, or roller *d*, to run upon the floor and serve as the check herein 30 referred to. The upper section *a* of the supporting-pieces is rigidly but adjustably fastened to the door near its outer edge at either side, as may be convenient, but usually, of course, on what is regarded as the back of the 35 door, so that when the door is opened the brake or check will be at the rear and out of the way. Of course it will be understood that these several parts are all small, and that they can be attached to a door without, in point of 40 fact, being in the way either upon one side or the other. A screw or screws or other suitable fastening means may be used to secure the upper section *a* to the door, and to this section is attached a flat spring *e*, which extends down- 45 ward and overlaps the lower section or part

*b* about half-way its length. This spring will have sufficient tension to bring a considerable pressure to bear upon the part *b*, and through it upon the wheel or roller *d*, so that as the door is swung back and forth the roller will 50 bear hard upon the floor, and thus, by reason of such pressure, lock the door against winds or drafts, yet leave it free to be swung by hand and stop wherever one wishes to stop it, the check holding the door at that place. The 55 spring *e* is curved outward so as to bring its lower end out upon about the center of the lower section *b*, which brings the spring to bear where it is wanted, and at the same time makes a neat, simple, and effective arrange- 60 ment of a spring for the purpose intended. The spring is fastened to the upper section by a screw *f* or its equivalent, and screws *g*, which take into the door, working in the slots *h*, admit of moving the frame-work or sup- 65 ports of the roller higher or lower according to the position of the door and the amount of tension that is wanted.

The roller or wheel *d* may be made of rubber or any other suitable material, and the 70 parts *a b* can be made of any style or form that will serve the purpose, and of any other material, although a better way to make them would be to cast them substantially as shown.

Having thus described my invention, what 75 I claim as new, and desire to secure by Letters Patent, is—

In a door-check, a wheel-support consisting of two bars *a b*, hinged together, the upper bar constructed to be attached to the door and 80 the lower bar provided with a roller *d*, in combination with a spring *e*, secured to the upper bar *a* and bearing on the lower bar *b* between its ends, substantially as described.

Witness my hand to the foregoing specifica- 85 tion this 6th day of January, 1890.

JOHN D. BARBER.

Witnesses:

H. T. FISHER,  
N. S. McLANE.