

(Model.)

C. E. HEWITT.

DOOR CHECK.

No. 315,284.

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Fig. 1.

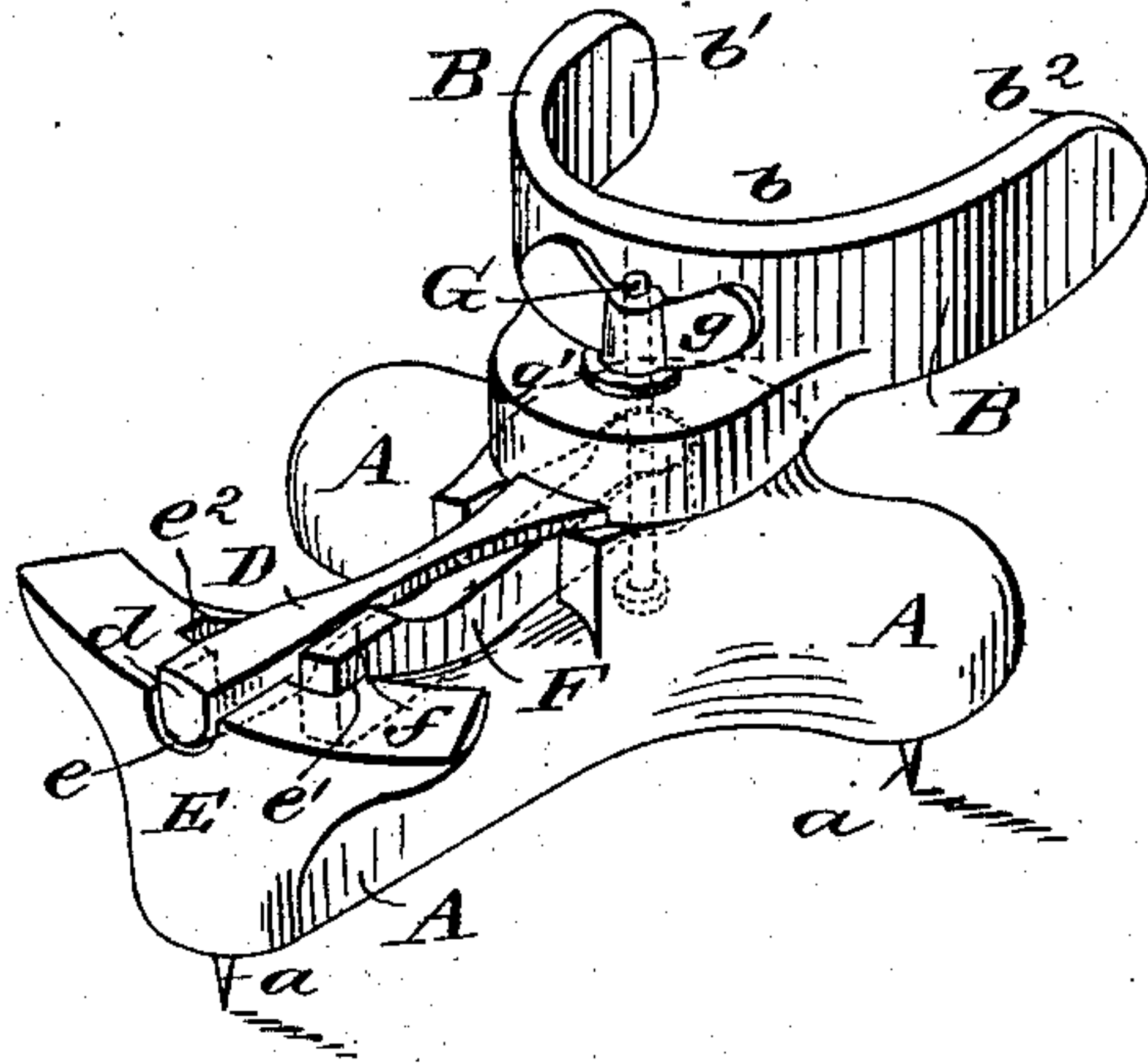


Fig. 2.

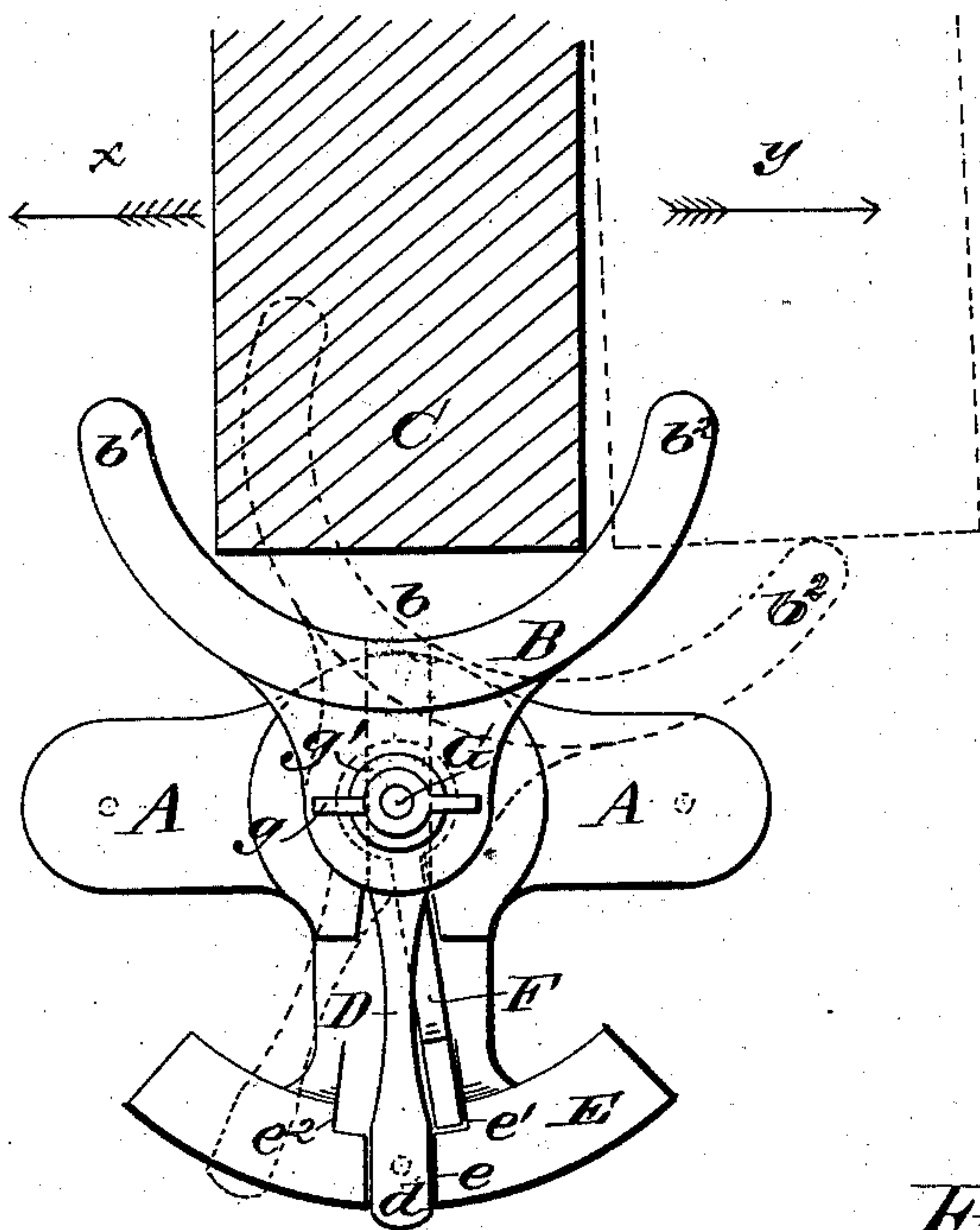


Fig. 3.

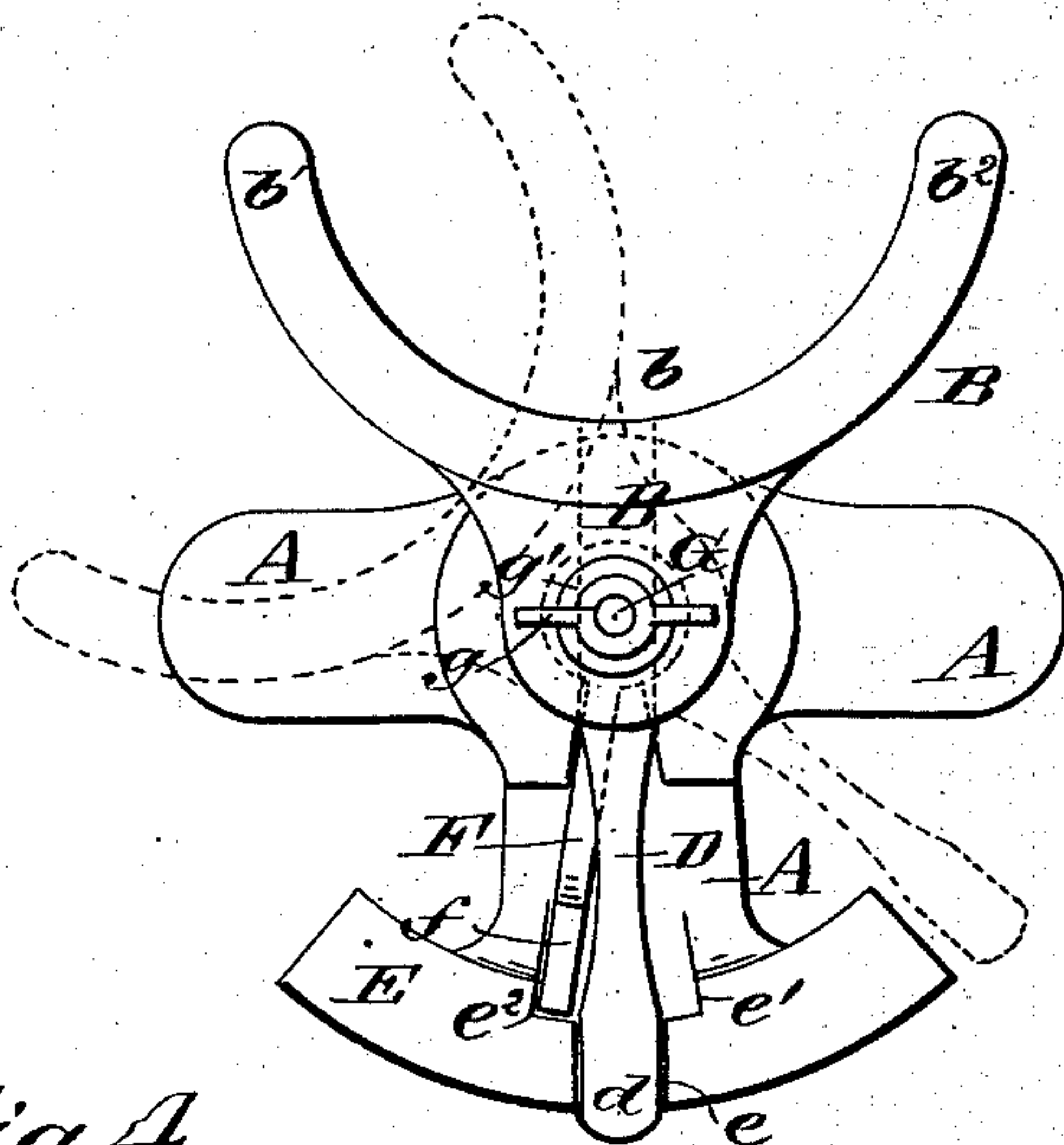
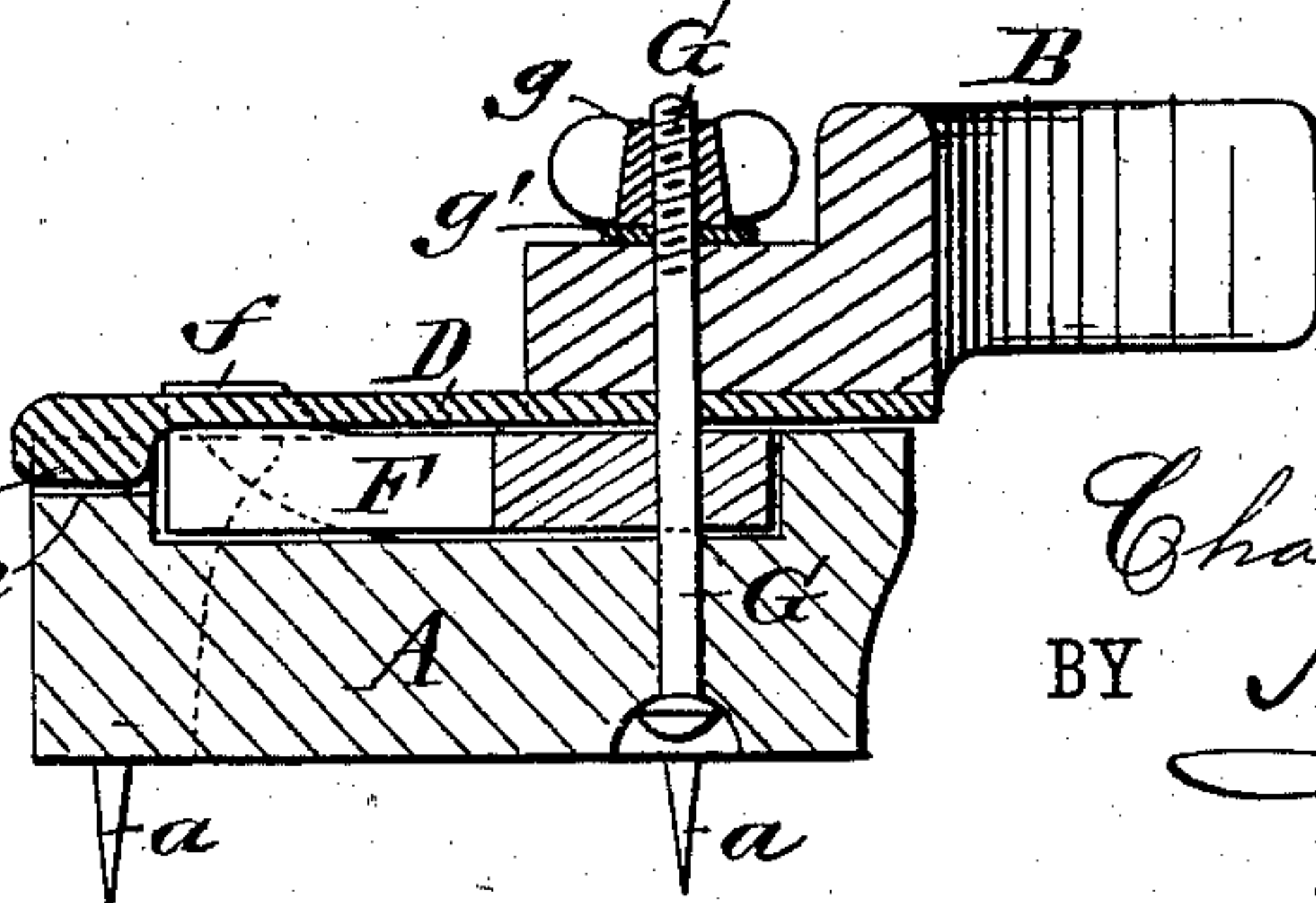


Fig. 4.



WITNESSES:

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DOOR-CHECK.

SPECIFICATION forming part of Letters Patent No. 315,284, dated April 7, 1885.

Application filed September 17, 1884. (Model.)

To all whom it may concern:

Be it known that I, CHARLES ELMORE HEWITT, of Brandon, in the county of Rutland and State of Vermont, have invented a new and Improved Door-Stop, of which the following is a full, clear, and exact description.

The object of my invention is to provide a simple, efficient, and inexpensive device for holding doors open to any desired extent, and prevent further opening of the doors, and allow free closing of the doors and their opening again to the point at which the stop is set, and without requiring attention to the stop, which works automatically with either right or left hand doors.

The invention consists in a door-stop constructed with a base-piece having means of attaching it to the floor, and a head-piece pivoted to the base and adapted to hold the swinging edge of the door, and said head carrying a spring adapted to enter a notch of the base, and a tongue forming a stop to the spring and head, and being itself stopped by shoulders of the base, all as hereinafter fully described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of my improved door-stop. Fig. 2 is a plan view of the door-stop, with part of a right-hand door in section, and indicating in dotted lines the action of the stop as the door is being closed. Fig. 3 is a plan view of the door-stop as adjusted for use with a left-hand door, and Fig. 4 is a central longitudinal sectional elevation of the door-stop.

The door-stop has a base or bed piece, A, provided on the under side with suitable teeth or spurs, *a*, which are to be pressed into the floor to hold the stop device in position for holding the door open.

B is the head of the stop, which has a curved shape horizontally, forming a recess, *b*, into which the edge of the door C may pass, as in full lines in Fig. 2. The head B has fixed to it a spring, D, having a head, *d*, adapted to spring or snap into a recess, *e*, formed in the upper side of a rearwardly and laterally ex-

tending tail-piece or plate, E, formed on or fixed to the base A. The base A is recessed to receive the tongue F, which, together with the head B, is pivoted to the base on a pin, G, which may have a clamp-nut, *g*, and washer *g'*, to hold the head B and tongue F to the base. The tongue F has a stop, *f*, which projects above or at the side of the spring D, to form a stop to the head B, and the tail-piece E has stop-shoulders *e' e''*, against either of which the free end of the tongue will strike, accordingly as the door-stop is set to hold open a right or a left hand door. By a right-hand door is meant one opening from a person to the right, and by a left-hand door one opening from a person to the left.

The operation is as follows: To set the door-stop to hold open a right-hand door, the head *f* of the tongue F will be set against the shoulder *e'*, and so as to come at the right-hand side of the spring D when the head *d* of the spring rests in the notch *e* of the tail-piece. With the parts of the stops thus adjusted it will be fastened to the floor by its teeth *a*, so as to inclose the edge of the open door C within the head B, as in full lines in Fig. 2. The door may be opened to any desired extent before the stop is applied to it, and any attempt further to open the door in the direction of the arrow *x* will be resisted by its contact with the arm *b'* of the head B, which will immovably be held by contact of the spring D with the head *f* of the tongue F and contact of the tongue with the shoulder *e'*. The pressure which the head *d* of spring D has in the notch *e* will hold the door from closing accidentally by gusts of wind or other cause; but when it is desired to close the door in the direction of arrow *y*, Fig. 2, a push on the door in that direction will carry it against the arm *b''* of the head B, and lift the spring D from the notch *e* and swing the head B over, as in dotted lines, to allow the door to pass by it, and should it be desired to open the door again the door will of itself pass by the arm *b''* and strike the arm *b'*, to carry the head back again to the position shown in full lines, and the spring D will be arrested by the tongue F, and will snap into the notch *e* to hold the door open.

To adjust the device for left-hand doors, the head B will be swung entirely around on its pivot G until the spring D will strike the tongue F and carry it against the opposite shoulder, e^2 , of the tail-piece, as in Fig. 3, to limit the opening of the door to the desired extent, and the head will swing as in dotted lines, or in the reverse directions from those shown in dotted lines in Fig. 2, as the door is closed or opened, as will readily be understood.

It is evident that by the use of my improved door-stop both right and left hand doors may be held open to any desired extent, and can be opened no farther, and that the doors may be closed or opened again to the stop and be held open thereby without giving any attention to the stop, its action in the closing and opening of the doors being entirely automatic when once set and placed in position.

Screws may be used to hold the door-stop to the floor instead of the pins a , if desired.

The door-stop may be made in various sizes,

and all its parts are strong and durable, and are not likely to get out of order. The door-stop, moreover, presents a neat appearance, and will obviate the slamming shut of the doors or holding them open by chairs, billets of wood, stones, or other unsightly or inappropriate devices.

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

A door-stop constructed with a base-piece having means of attaching it to the floor, a head-piece pivoted to the base and adapted to hold the edge of the door, and said head carrying a spring adapted to enter a notch of the base, and a tongue forming a stop to the spring and head, and being itself stopped by a shoulder of the base, substantially as shown and described.

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Witnesses:

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