G. RAMSAY.

Improvement in Door-Checks.

No. 131,970. Patented Oct. 8, 1872.

Fig. 1.

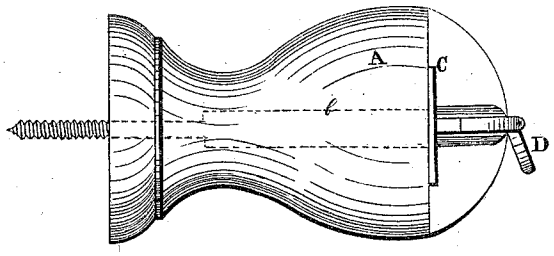

Fig. 2.

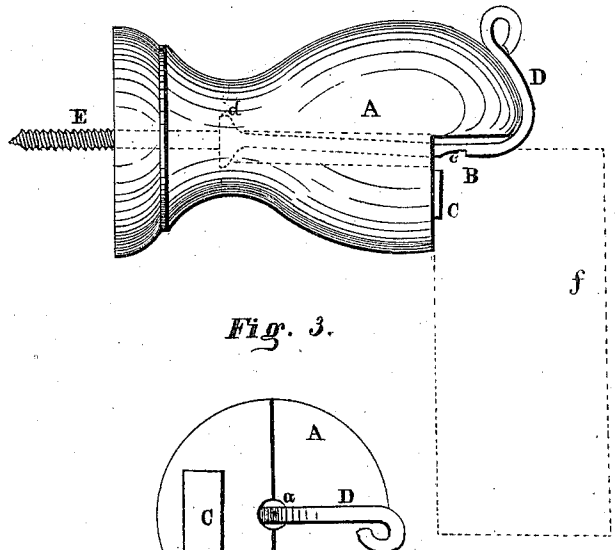

Fig. 3.

Witnesses.

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AM. PHOTO-LITHOGRAPHIC CO. N.Y. (OSBORNE'S PROCESS.)

UNITED STATES PATENT OFFICE.

GEORGE RAMSAY, OF CLYDE, OHIO.

IMPROVEMENT IN DOOR-CHECKS.

Specification forming part of Letters Patent No. **131,970**, dated October 8, 1872.

To all whom it may concern:

Be it known that I, GEORGE RAMSAY, of Clyde, in the county of Sandusky and State of Ohio, have invented a certain new and Improved Door Stop and Catch Combined, of which the following is a description:

Figures 1 and 2 are side views of the door stop and catch. Fig. 3 is an end view.

Like letters of reference refer to like parts in the several views.

The object of this invention is to prevent an open door from swinging back and striking against the wall, and also to hold said door open when it is swung back; and it consists in making the spring with a screw at the end thereof, and passing through a hole in the stop to hold said stop in place. The said spring, by this means, acts for a double purpose, as hereinafter shown.

Of the above invention the following is a detailed description:

A in the drawing represents a knob; a section of the rounded end thereof is cut away, forming a rectangular notch, B. In the side of the notch is secured a piece of rubber, C, against which the door strikes when swung back to the wall. Through the center of the knob is bored a hole, *a*, in which is inserted one end of a spring, D. On the end of said spring, inserted in the hole, is cut a screw, E, and which projects through the square end of the knob, as shown in the drawing, and whereby said knob is secured to the wall. That part of the hole immediately around the screw is smaller than that surrounding the other section of the spring, as indicated by the dotted lines *b*, Fig. 1. The purpose of the larger section of the hole is to allow a free movement of the spring projecting therefrom, and which is bent backward over the rounded end of the knob, as shown in Fig. 2. In the side of the spring is a notch, *c*, the purpose of which will presently be shown.

The application and operation of the above-described knob and door catch is as follows: The knob is secured to the wall by means of the screw E, which is driven into the base-board by turning it by the outer end, which will draw the knob firmly thereto by the collar *d* drawing on the shoulder of the enlargement of the hole *a* in which the spring is secured. Said collar is indicated by the dotted lines *d*, Fig. 2. The position of the knob in relation to the door, when properly adjusted, is such as to present the notch B toward the door, and vertical therewith, so that when the door is swung back the edge thereof will fall into said notch, as indicated by the dotted lines *f*. The side of the door will strike upon the rubber *c*, or other soft material, and thus prevent the door from being bruised, and at the same time it is withheld from striking against the wall. The door is held open and in contact with the knob by the spring D; the notch *c*, which is caught by a catch let into the edge of the door, thereby holding the door from closing until released therefrom by forcing back the spring by placing the foot upon it or by the hand. The screw and spring-catch are represented as one piece, but which, however, may consist of two pieces —viz, screw and spring—and each respectively secured to the knob, and which, also, may be of any shape that the character of the door may require.

By this invention the use of blocks, covered bricks, stools, chairs, and wedges resorted to for this purpose is avoided for a neater and more secure substitute.

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

A door stop and catch, consisting of the stop A, spring D with a screw at the end thereof and passing through a hole in said stop, the notch B, and rubber or cushion C, substantially as set forth.

GEORGE RAMSAY.

Witnesses:
W. H. BURRIDGE,
A. F. CORNELL.