

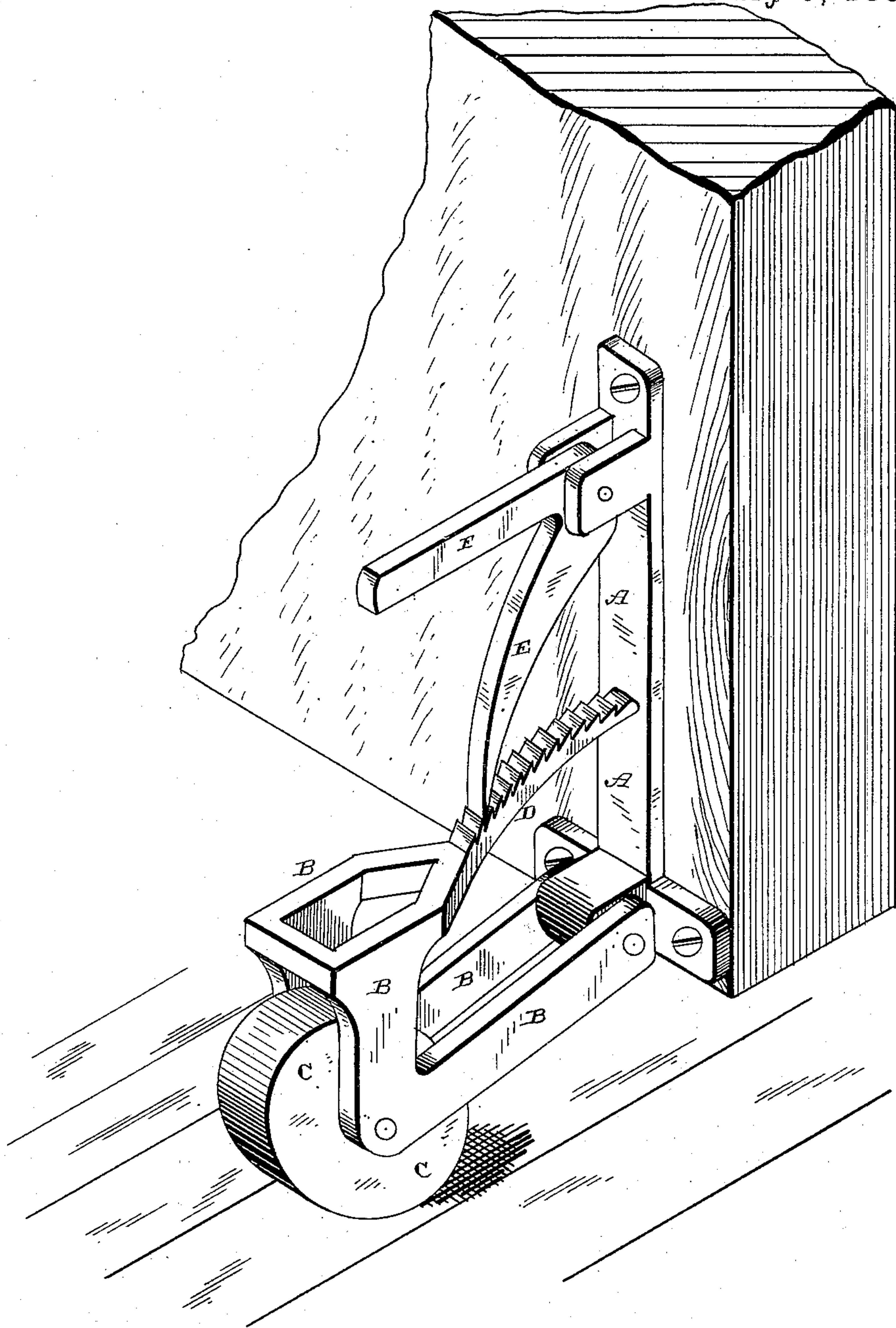
(No Model.)

W. H. DOWNING.

DOOR CHECK.

No. 366,159.

Patented July 5, 1887.



WITNESSES.

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UNITED STATES PATENT OFFICE.

WILLIAM H. DOWNING, OF GOODELL, PENNSYLVANIA.

DOOR-CHECK.

SPECIFICATION forming part of Letters Patent No. 366,159, dated July 5, 1887.

Application filed April 22, 1887. Serial No. 235,800. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. DOWNING, of Goodell, in the county of McKean and State of Pennsylvania, have invented certain new and useful Improvements in Door-Stops; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawing, which forms part of this specification.

My invention relates to an improvement in door-stops; and it consists in the combination of a metallic frame, which is to be secured to the door, a roller-frame, which is pivoted to the lower end thereof, and provided with a ratchet-arm and a pawl, which is pivoted to the upper end of the frame and provided with an arm by means of which it is operated, as will be more fully described hereinafter.

The object of my invention is to provide a door with a stop or holder which will hold the door in any desired position when open, and which can be operated by the foot, so as to prevent the necessity of a person having to stoop down to operate it.

The accompanying drawing represents a perspective of a door-stop embodying my invention.

A represents a suitable metallic plate or frame, which is to be fastened by means of screws to the lower edge of the door, and to the lower end of which is pivoted the frame B, in which the roller C, made of rubber or other suitable elastic material, is journaled. Formed upon the upper inner corner of this frame B is the ratchet-arm D, with which the pawl E engages for the purpose of exerting any desired pressure of the roller upon the floor. Pivoted to the upper end of the frame or plate A is the pawl E, which has projecting outward from it the arm F, by means of which it is operated.

When the door is opened and it is desired to secure it in any desired position, a pressure of the foot is exerted upon the outer end of the frame B, which flattens the roller C to a greater or less extent upon the floor. As this frame B sinks downward the pawl automati-

cally adjusts itself to the ratchet-arm, and thus prevents the frame from springing upward by the elasticity of the roller when the foot is removed. The pressure of this roller C upon the floor exerts sufficient frictional contact to hold the door in any desired position. When it is desired to release the door, it is only necessary to exert a slight upward pressure upon the arm connected to the pawl, when the pawl may be freed from the ratchet, and then the door can be freely moved in either direction. This device being adapted to be operated entirely by the foot, saves all necessity of a person having to stoop down in order to operate it. In case it should be desired to operate the pawl other than by the foot, the arm can be dispensed with and a cord or wire be connected thereto, the upper end of the cord or wire being fastened to the door in any convenient position where it can be reached by the hand. By pulling up upon this cord or wire the pawl will be released.

The device above described also serves as a means for preventing the knob from striking and breaking the wall, as it otherwise would do.

Having thus described my invention, I claim—

1. The combination of the plate or frame, which is secured to the door, the roller-frame provided with a ratchet-arm, the roller, which is journaled in the frame, and the pawl, which is provided with an operating-arm, substantially as shown.

2. The combination of the frame or plate A, which is to be secured to the lower edge of the door, the frame B, secured thereto and provided with a ratchet-arm, D, the wheel C, journaled in the frame, and a pawl which is pivoted to the upper end of the frame and adapted to engage with the ratchet-arm and provided with the arm F at its upper end, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM H. DOWNING.

Witnesses:

I. N. BENNETT,
PETER FINDLAY.