(No Model.)

T. E. BARROW & H. WADE.

DOOR CHECK AND HOLDER.

No. 315,221. Patented Apr. 7, 1885.

Fig. 1.

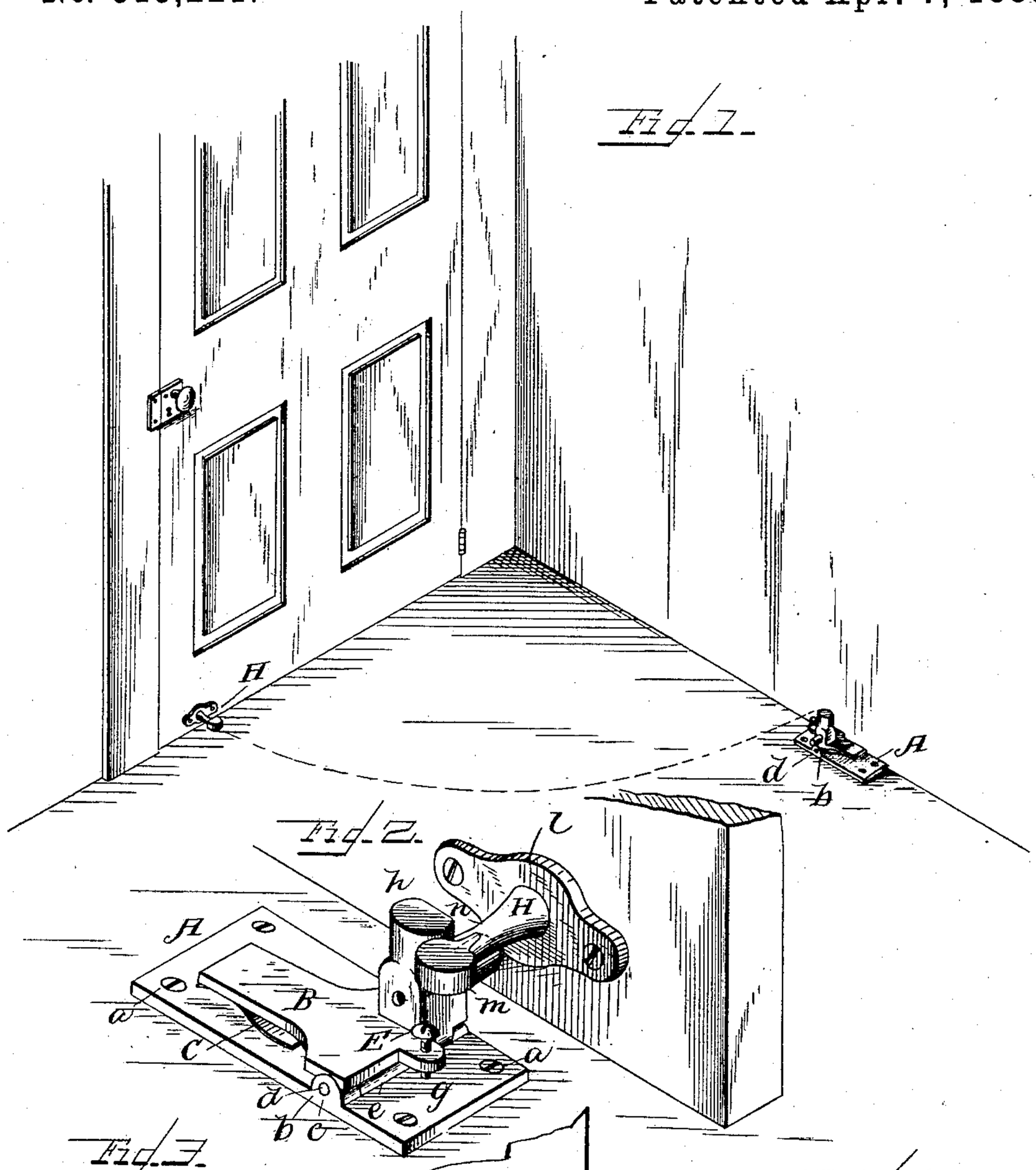


Fig. 2.

Fig. 3.

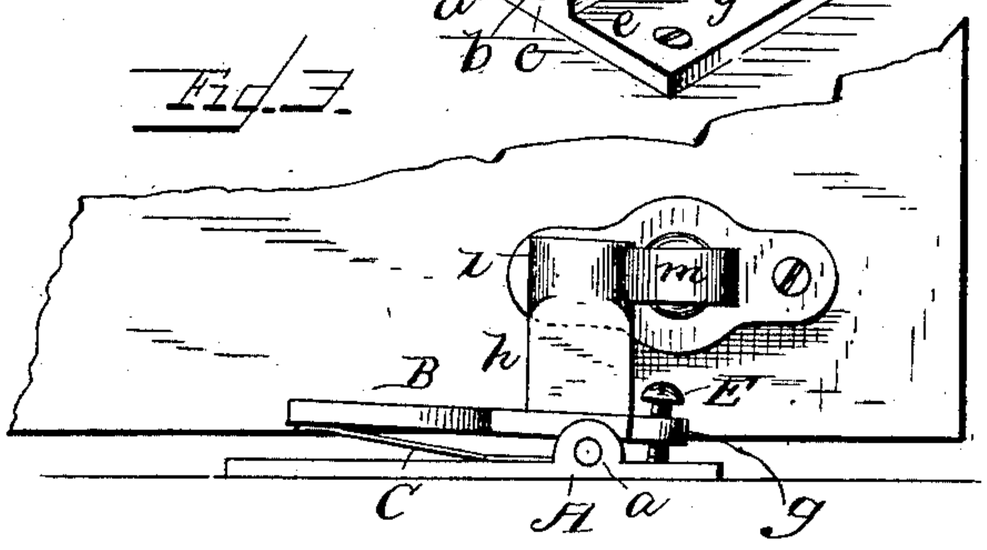
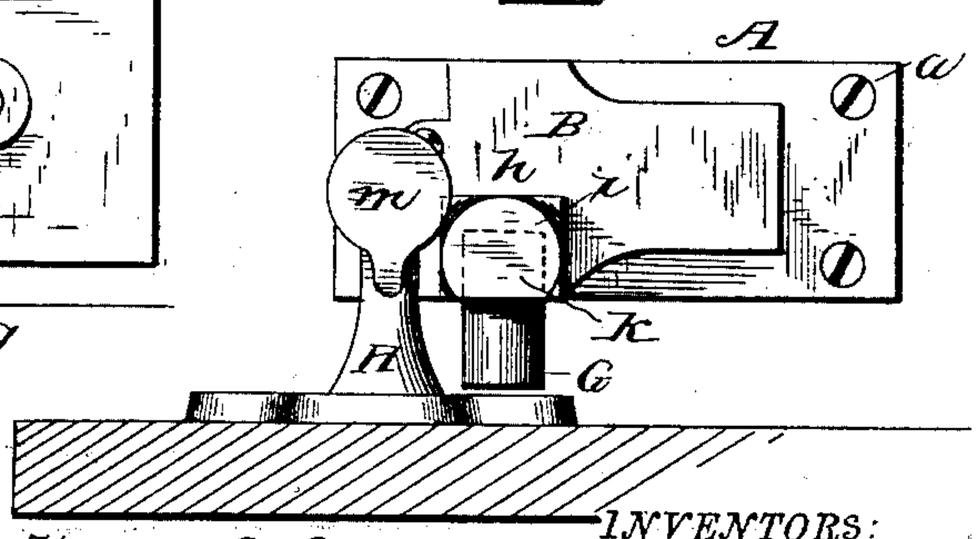


Fig. 4.



WITNESSES
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THOMAS E. BARROW AND HARRY WADE, OF MANSFIELD, OHIO.

DOOR CHECK AND HOLDER.

SPECIFICATION forming part of Letters Patent No. 315,221, dated April 7, 1885.

Application filed June 4, 1884. (No model.)

To all whom it may concern:

Be it known that we, THOMAS E. BARROW and HARRY WADE, citizens of the United States, residing at Mansfield, in the county of Richland and State of Ohio, have invented certain new and useful Improvements in Spring-Latches; and we do 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 appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to certain improvements in latches for doors, gates, window blinds or shutters, and the like; and it is particularly designed to hold the same back when opened, although it is equally applicable to the purpose of locking and holding them when closed, as more fully hereinafter specified.

The objects of the invention are to provide a latch which will be inexpensive in construction, efficient in operation, which will automatically lock when the parts are brought together, and which can be conveniently unlocked by the hand, foot, or otherwise, when desired. These objects we attain by the means illustrated in the accompanying drawings, in which—

Figure 1 represents a perspective view showing the latch employed in connection with a door, the door being closed and the parts of the latch separated. Fig. 2 represents an enlarged perspective view of the latch, showing the parts locked. Fig. 3 is a view showing a portion of the door with the latch in side elevation; and Fig. 4 is a top view of the latch, showing the door in section.

The letter A indicates a flat metallic plate having screw-holes *a*, by means of which it may be attached to a floor, sill, or other support. The said plate is provided with lugs *b* at each side, having apertures *c*, through which passes a pin or bolt, *d*. Between said lugs is located a plate, B, which has a lug, *e*, on the under side, through which the bolt or pin *d* also passes, pivoting the plate B between the lugs *b* and permitting it to have a rocking motion. The plate B is held in normal position by means of a spring, C, which is located between the two plates and secured to either, as may prove most convenient.

E indicates a set-screw, which passes through a lug, *g*, on the plate B, the lower end bearing against the plate A, by means of which the tension of the spring and the position of the plate B are regulated. The plate B is provided with a vertical stud, *h*, at one side, which stud is rounded at one side, near the top, as indicated by the letter *i*, for the purpose hereinafter described. The stud on its opposite side has a recess or cavity, *k*, in which is inserted an elastic cushion or stop, G, for the door.

The letter H indicates a bracket having a flat base-plate, *l*, which is perforated for screws, by means of which it may be secured to the door. The bracket is formed with a rounded head, *m*, at the end, and a neck, *n*, so that it may engage the stud on the plate B to lock the latch.

The operation of our invention will be readily understood in connection with the above description, and is as follows: The plate A is secured to the floor or other support, and the bracket H to the rail of the door, as shown, or to the sill of a gate or other portion of a gate, door, or shutter. When the parts of the latch come together, the head on the bracket passes the stud on the plate B, the spring yielding and allowing the plate to move for the purpose, and when the head has passed the stud the plate assumes its normal position, the stud bearing against the neck behind the head of the bracket, the parts of the latch being thus held together, so as to secure the door, gate, or shutter.

Having thus described our invention, what we claim, and desire to secure by Letters Patent, is—

1. The combination of the base-plate, the rocking plate pivoted thereto, the spring for holding said plate in normal position, the vertical stud secured to or forming part of the rocking plate, and the headed bracket at-

tached to the door and adapted to be engaged and held by the vertical stud, substantially as specified.

2. The combination, with the base-plate, of the rocking plate pivoted thereto, the spring located between the plates, the vertical stud and cushion, the set-screw, and the bracket, all constructed and arranged substantially as specified.

In testimony whereof we affix our signatures in presence of two witnesses.

THOMAS E. BARROW.
HARRY WADE.

Witnesses:
E. C. WILES,
W. H. PRITCHARD.