

No. 656,575.

Patented Aug. 21, 1900.

H. M. BAYLY.

HINGE LOCK.

(Application filed Dec. 15, 1899.)

(No Model.)

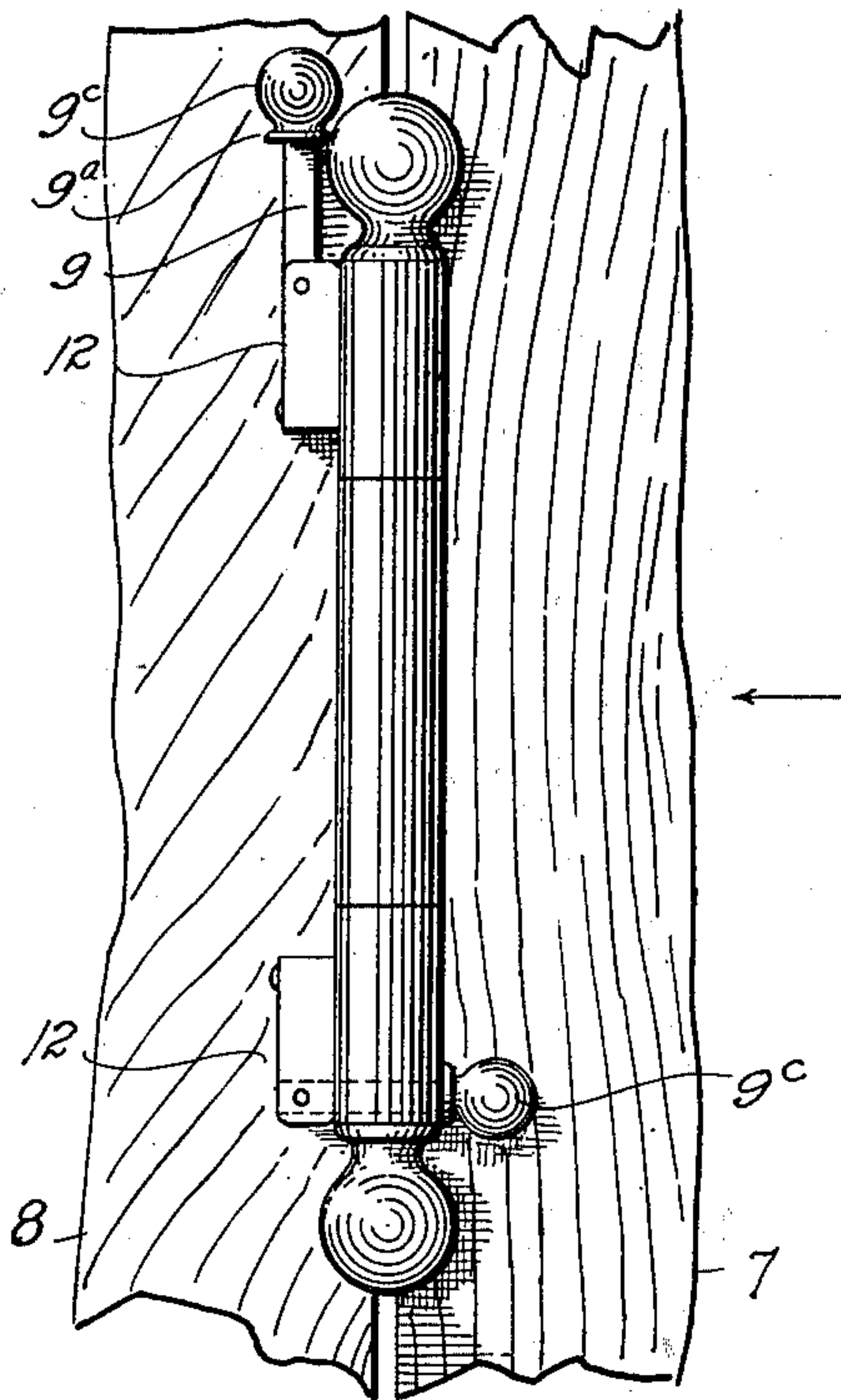


FIG. 2

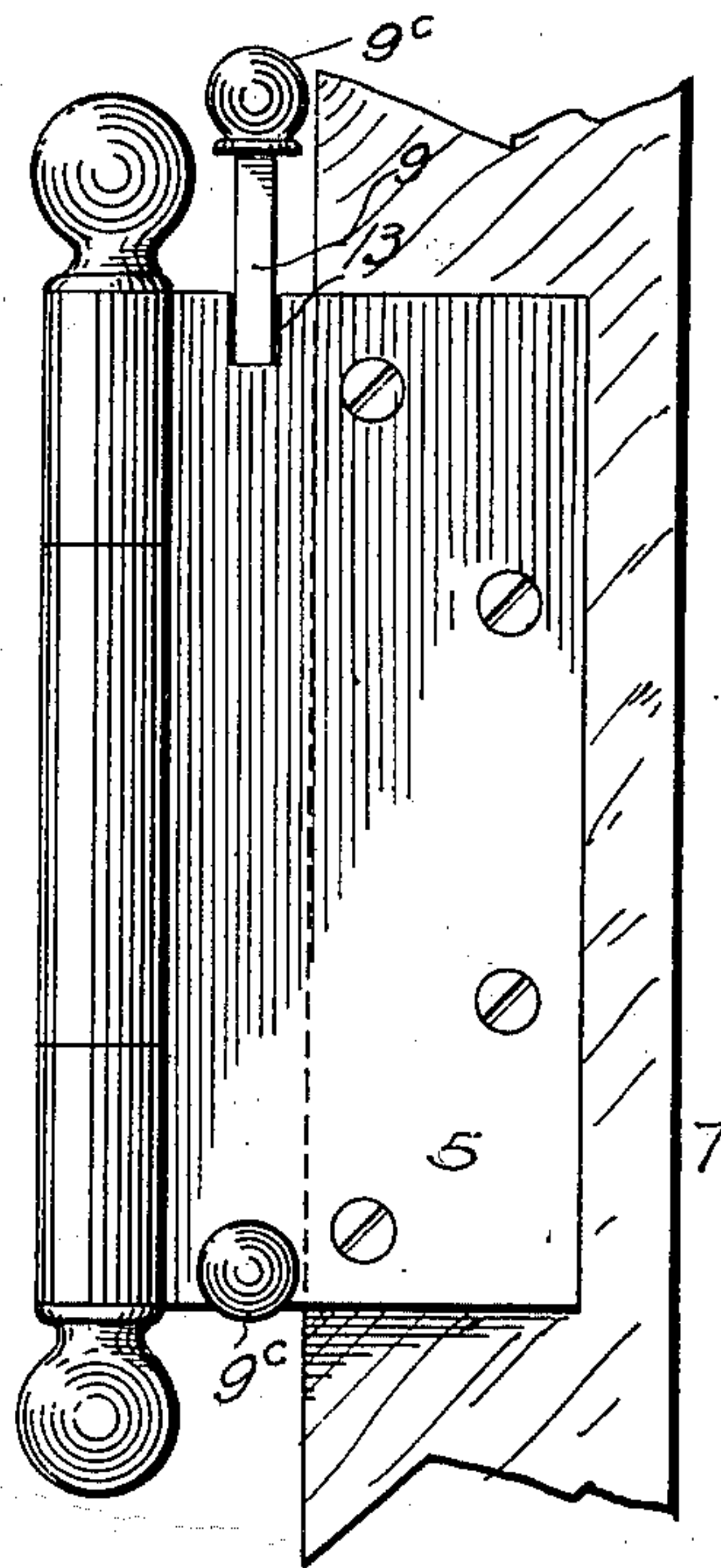


FIG. 3

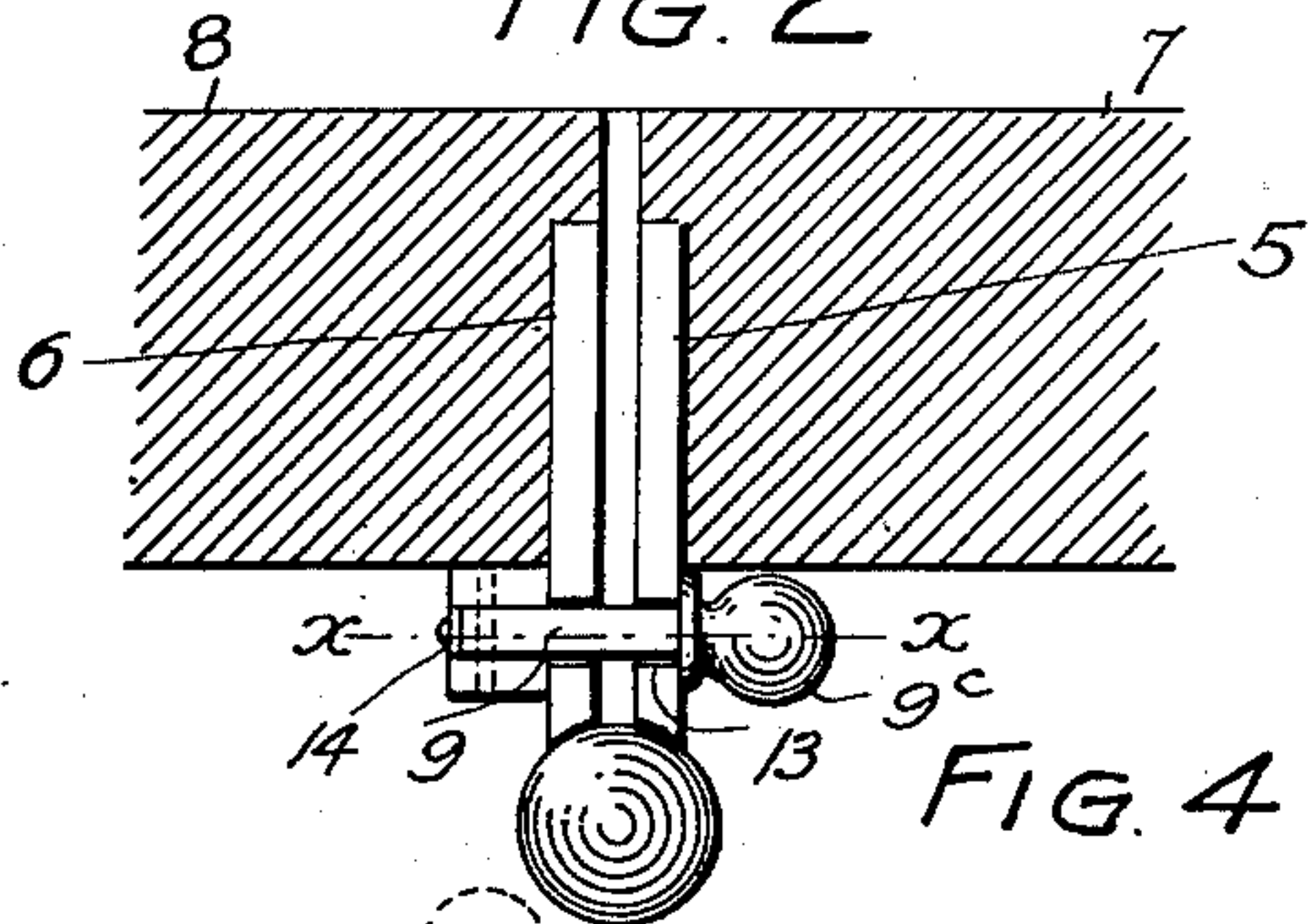


FIG. 4

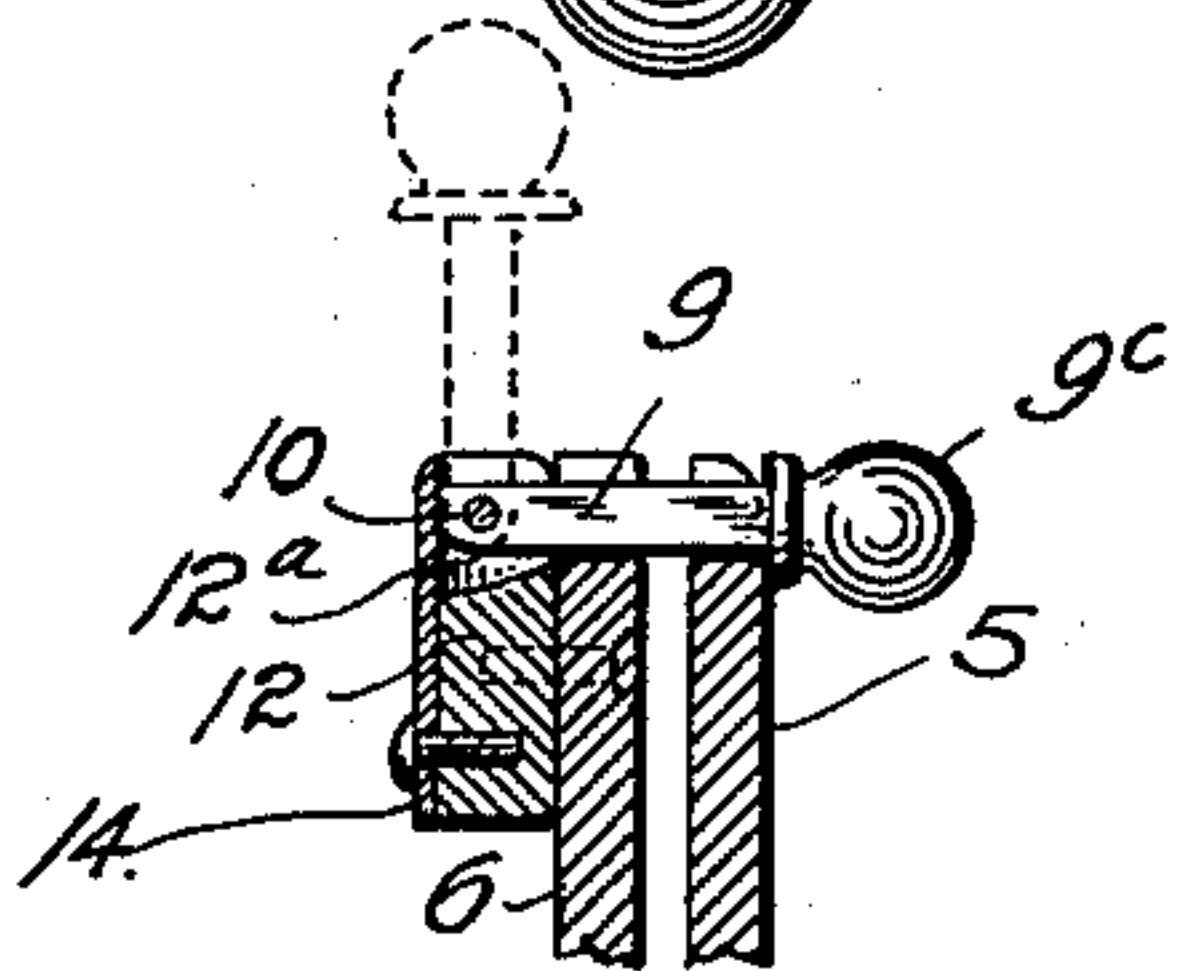
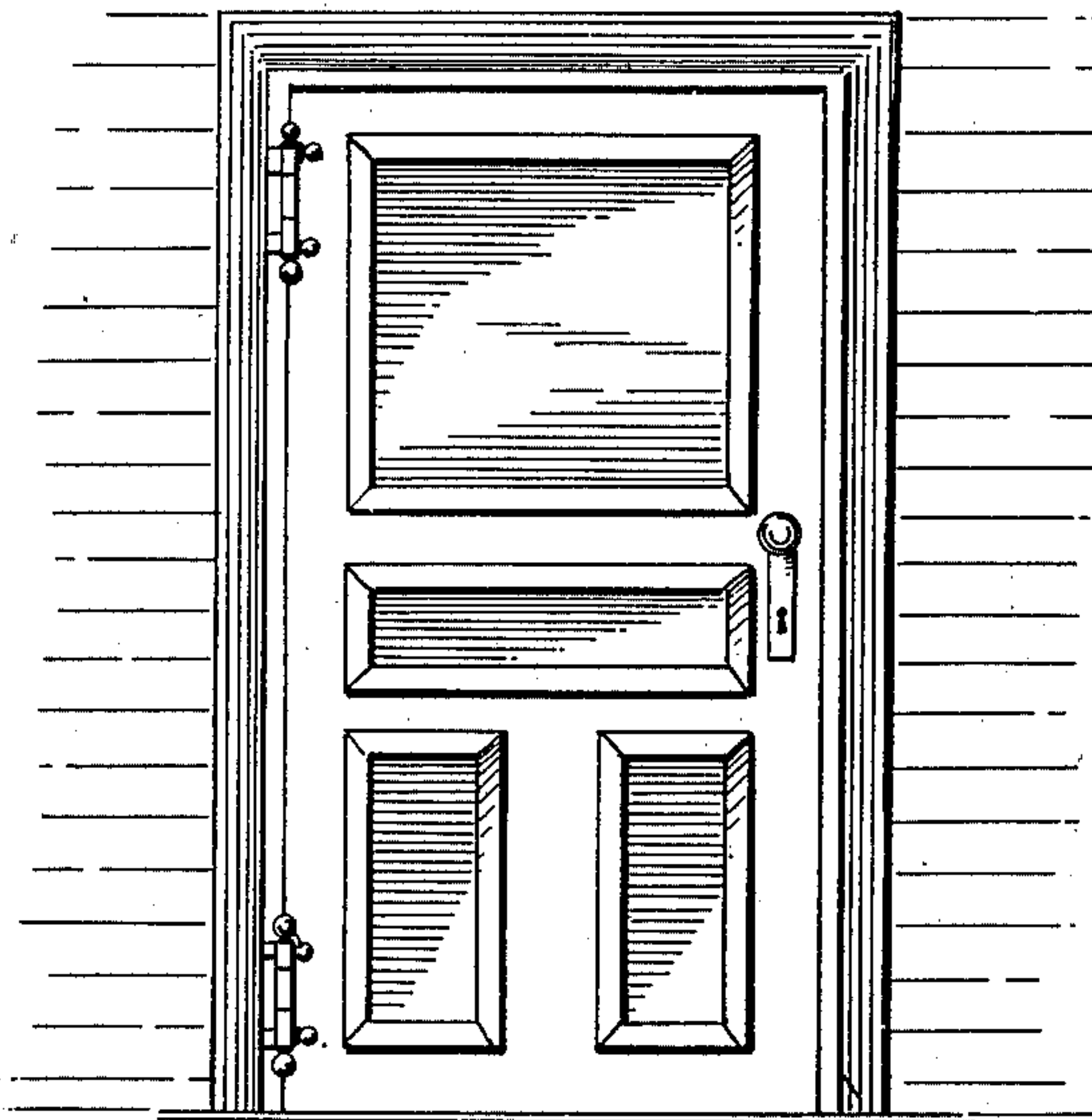


FIG. 5



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UNITED STATES PATENT OFFICE.

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HINGE-LOCK.

SPECIFICATION forming part of Letters Patent No. 656,575, dated August 21, 1900.

Application filed December 15, 1899. Serial No. 740,484. (No model.)

To all whom it may concern:

Be it known that I, HESTER M. BAYLY, a citizen of the United States of America, residing at Denver, in the county of Arapahoe and State of Colorado, have invented certain new and useful Improvements in Hinge-Locks; and I 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 figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in means for locking the hinges of doors, whereby the door cannot be opened until the locking device is released, my object being to provide a safeguard in addition to those now in use against the entrance of burglars or unauthorized persons.

The invention will now be described in detail, reference being made to the accompanying drawings, in which is illustrated an embodiment thereof.

In the drawings, Figure 1 shows a door equipped with hinges provided with my improved locking device and viewed from the inside of the door. Fig. 2 illustrates a single hinge shown on a larger scale, one of the safety devices being in the locked and the other in the unlocked position. Fig. 3 is a view taken at right angles to Fig. 2 looking in the direction of the arrow. Fig. 4 is a horizontal section taken through the door and casing looking down on the hinge. Fig. 5 is a vertical section taken on the line $x-x$, Fig. 4.

Similar reference characters indicating corresponding parts in the views, let the numerals 5 and 6, respectively, designate the members of an ordinary door-hinge, the member 5 being attached to the door 7 and the member 6 to the casing or frame 8 adjacent the door.

As shown in the drawings, my improvement consists, specifically, of a small bar 9, which I shall for convenience term a "dog," pivoted at 10 to a lug 12, formed on or attached to the hinge member 6 near its upper or lower extremity, as the case may be. The lug is provided with a recess 12^a, in which one extremity of the dog is inserted. Each of

the hinge members is provided with a notch or recess 13, the two notches being arranged to register when the door is closed and adapted to receive the dog when thrown to the horizontal position. The free extremity of the dog is provided with a shoulder 9^a, which fits tightly against the hinge member 5 when in the locked position. This free extremity is also provided with a knob 9^c for convenience of manipulation. This knob or extension is also ornamental and gives a neat finished appearance to the device. One of these dogs is preferably applied to each extremity of each hinge, and assuming that there are two or more hinges on the door there will be four or more locking-dogs, whose strength will be such that the door cannot be opened without drawing the hinges from the casing. During the day or when it is not desired to use the safety device it is thrown to the vertical position, or that illustrated in Figs. 2 and 3 of the drawings. In order to hold the locking-dog securely in place when open and also to a limited extent when closed, I employ a small leaf-spring 14, attached to the lug 12, bearing against the pivoted extremity of the dog.

While only one form of my invention is shown in the drawings, it must be understood that the invention is not limited thereto or to any special construction, as I am aware that many other forms or modifications may be employed without departing from the spirit of the invention.

Having thus described my invention, what I claim is—

The combination of a door-hinge composed of two plates connected by a hinge-pin, the said plates being provided with notches arranged to register when the door is closed, a dog pivotally mounted on one hinge-plate and adapted to engage the registering notches of both plates, and a leaf-spring engaging the extremity of the dog and having a tendency to hold it in either the locking or unlocked position.

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

HESTER M. BAYLY.

Witnesses:

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A. J. O'BRIEN.