

H. W. HARRIS.
SAFETY LOCKING BOLT.
APPLICATION FILED JULY 13, 1908.

918,316.

Patented Apr. 13, 1909.

Fig. 1.

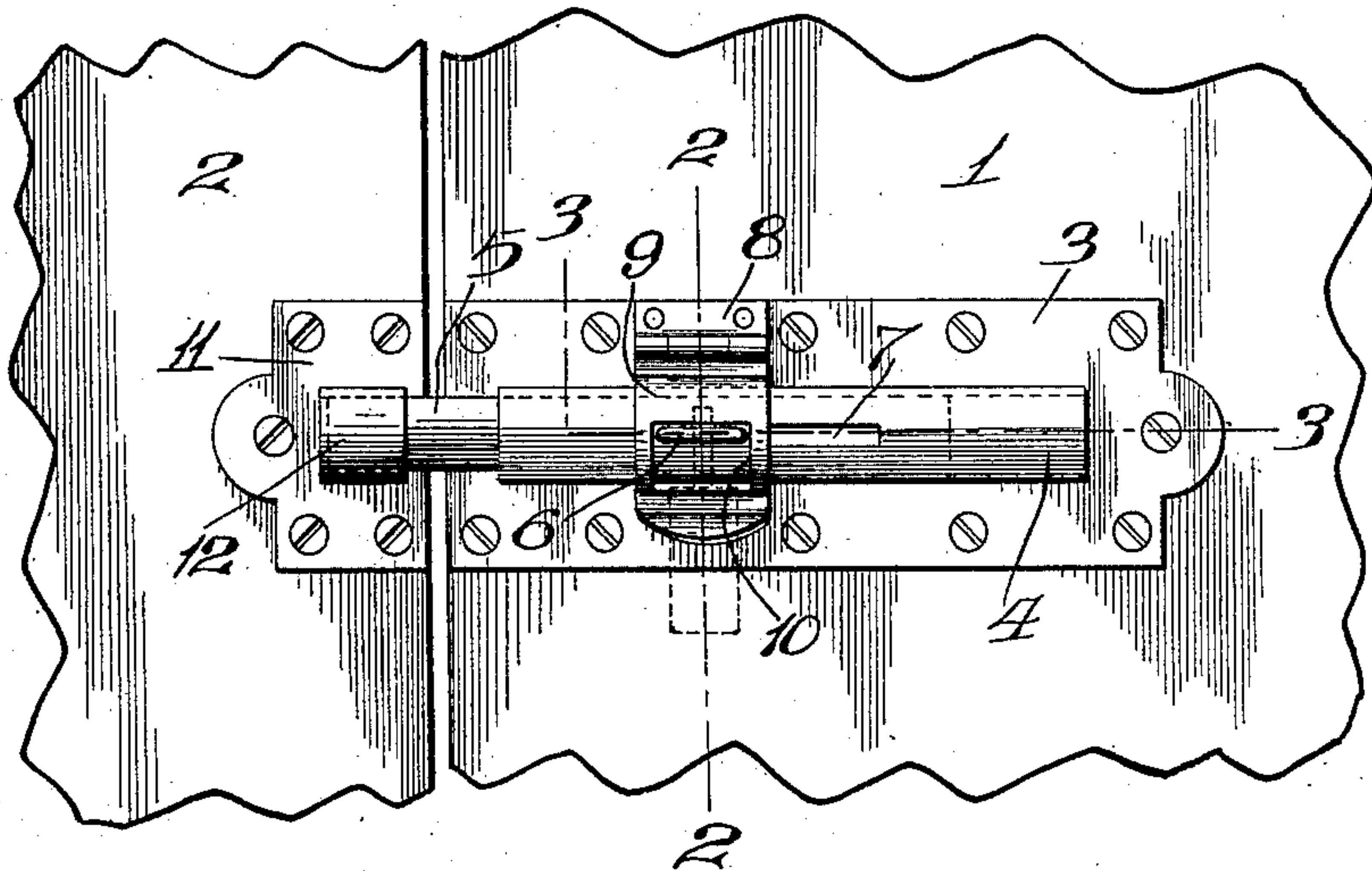


Fig. 2.

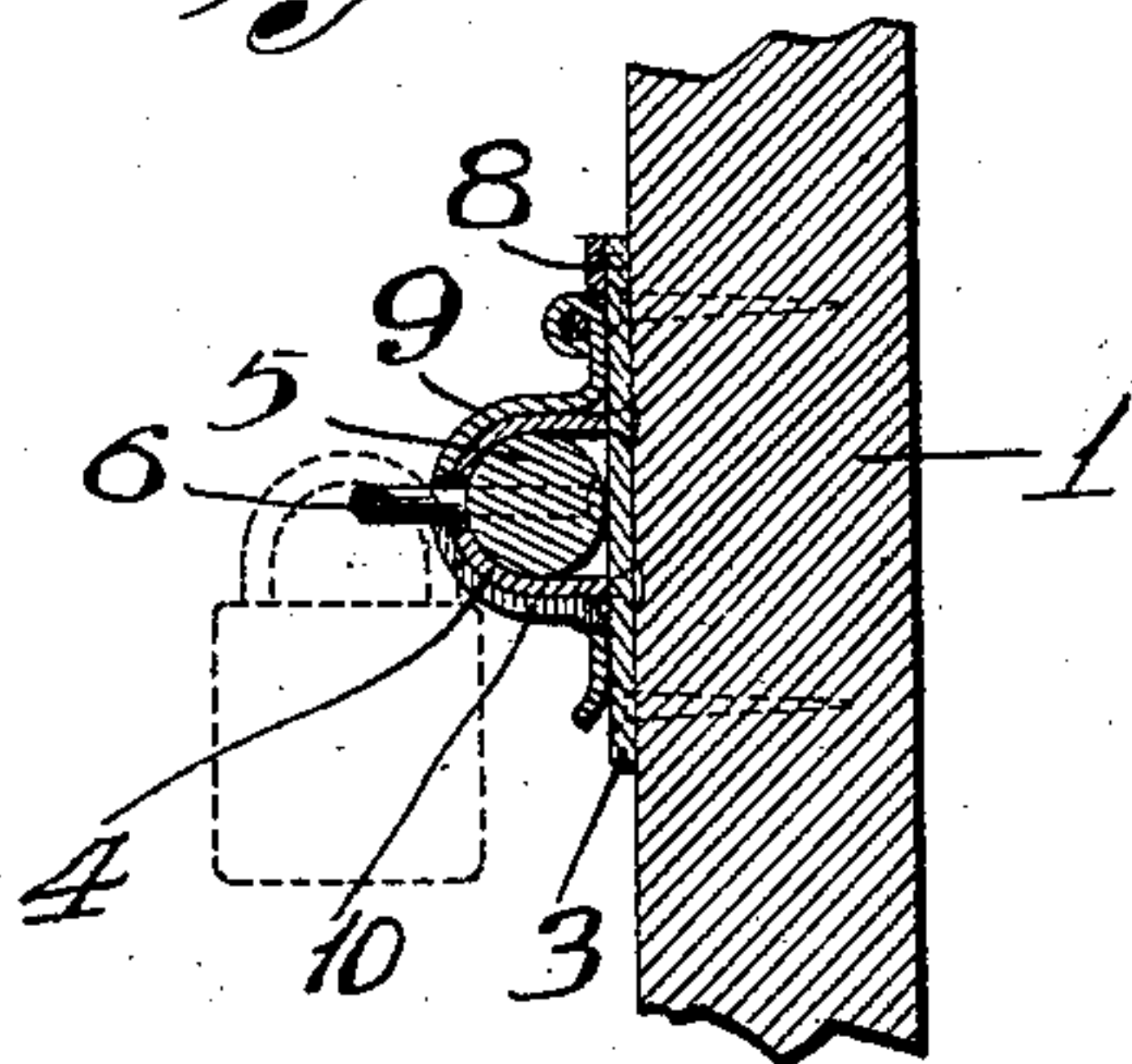


Fig. 3.

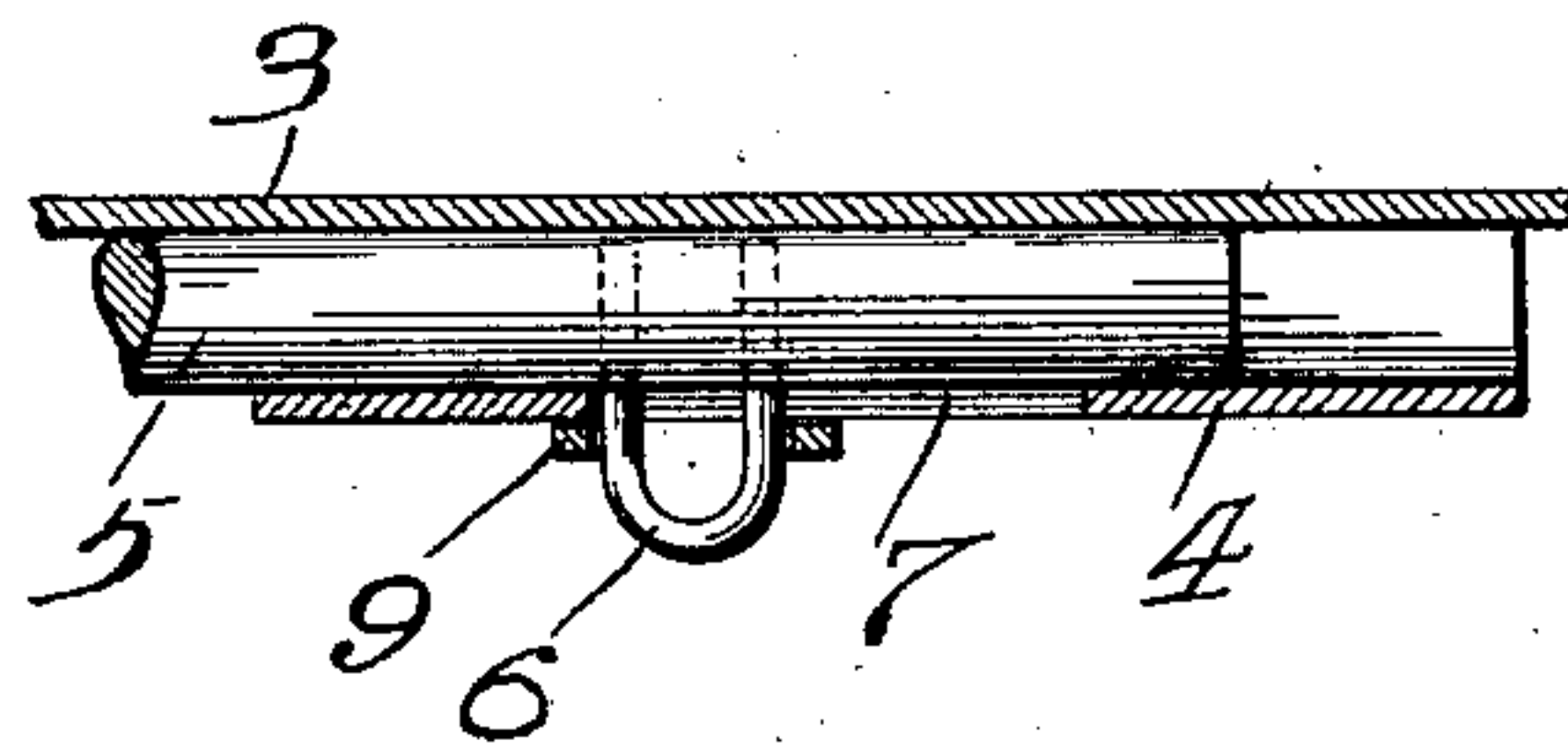


Fig. 5.

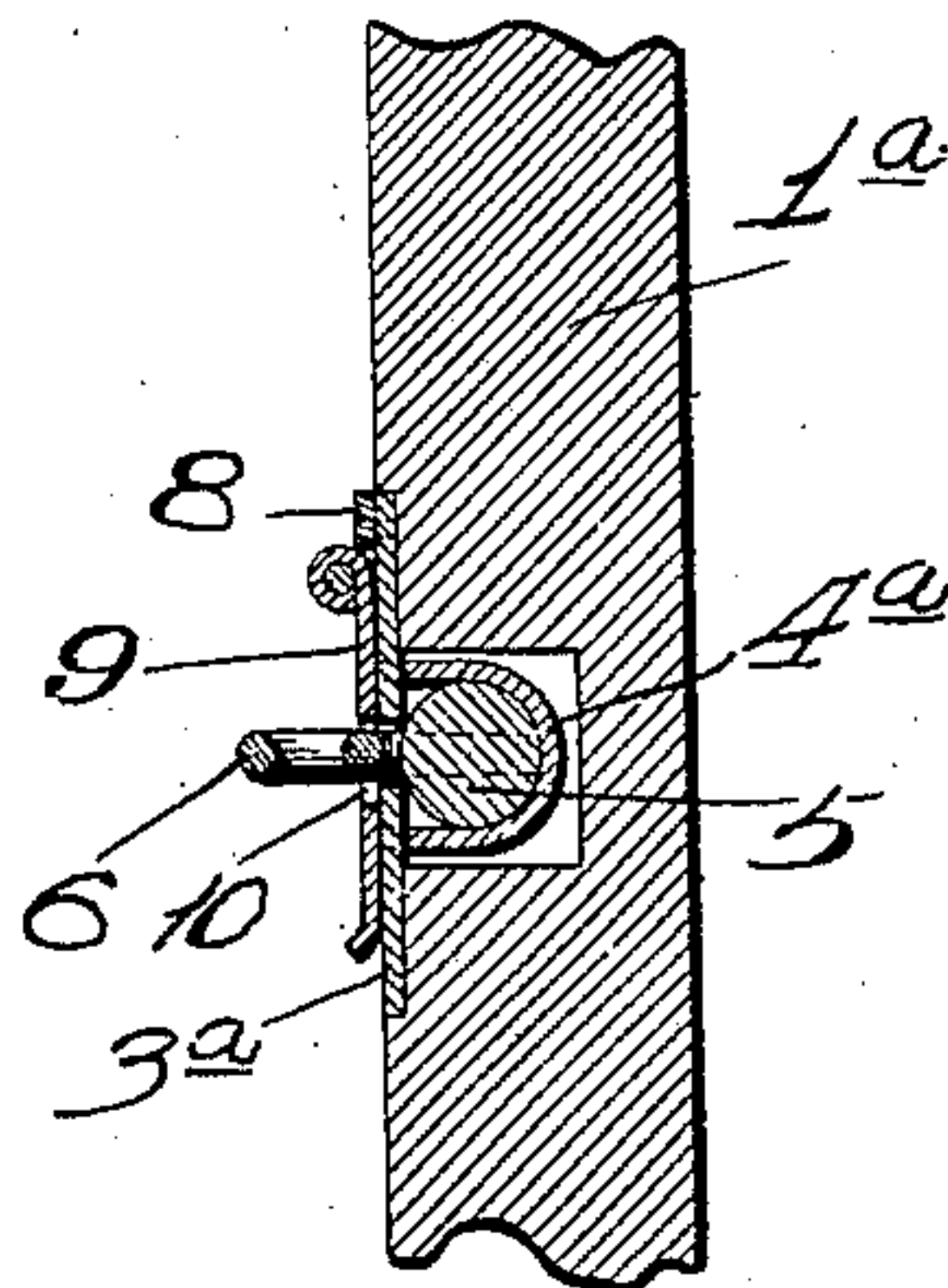
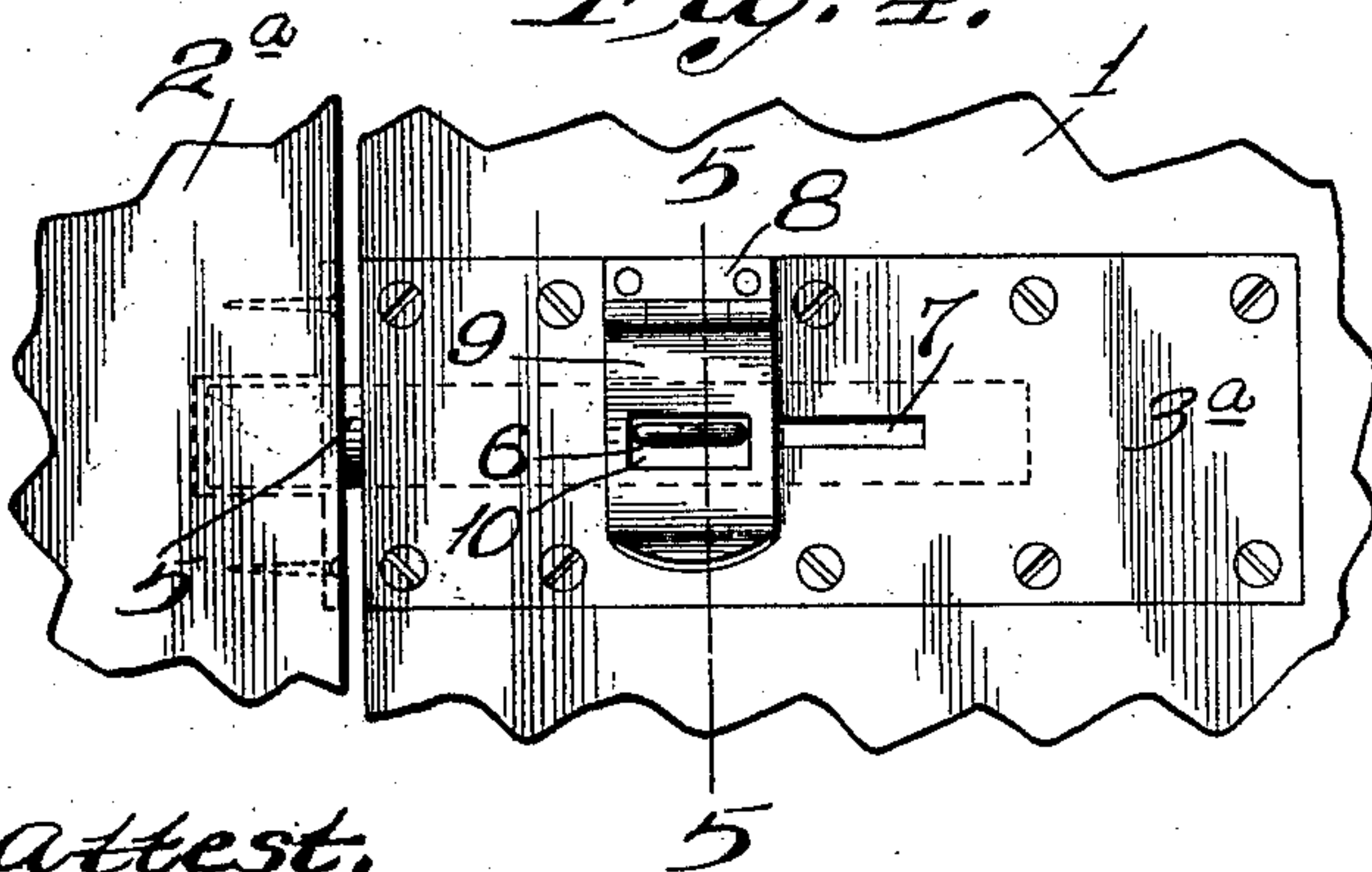


Fig. 4.



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HENRY W. HARRIS, OF ST. LOUIS, MISSOURI.

SAFETY LOCKING-BOLT.

No. 918,316.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, HENRY W. HARRIS, a citizen of the United States, and resident of St. Louis, Missouri, have invented certain new and useful Improvements in Safety Locking-Bolts, of which the following is a specification containing a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to a safety locking bolt, particularly adapted for use on doors, windows and gates, and the object of my invention is to provide an ordinary sliding locking bolt with simple and inexpensive means whereby said bolt may be held in a closed position by means of a padlock or the like.

A further object of my invention is to provide an ordinary sliding bolt with a hasp which engages a part carried by the bolt to hold said bolt in its locked position.

To the above purposes, my invention consists in certain novel features of construction and arrangement of parts, which will be hereinafter more fully set forth, pointed out in the claims, and illustrated in the accompanying drawings, in which:

Figure 1 is an elevation of a safety locking bolt of my improved construction, the same being applied for use; Fig. 2 is a vertical section taken on the line 2—2 of Fig. 1; Fig. 3 is a horizontal section taken approximately on the line 3—3 of Fig. 1; Fig. 4 is an elevation of a modified form of the locking bolt, and which form is adapted to be counter-sunk in the structure to which it is applied; and Fig. 5 is a vertical section taken on the line 5—5 of Fig. 4.

Referring by numerals to the accompanying drawings: 1 designates a portion of a door, window or gate to which the lock is applied, and 2 the door post or casement, and fixed to the door or window 1 is a plate 3, with the central portion of which is formed integral a horizontally disposed tubular housing 4, in which is arranged to slide a cy-

lindrical locking bolt 5, and seated in the central portion of said locking bolt is a loop or staple 6, which projects through a loop 7 50 formed in the front of the housing 4.

Fixed to the face of the plate 3 above the left-hand end of the slot 7 is a narrow plate 8, and hinged thereto is a hasp 9, which is of such shape as that it will snugly fit over the 55 housing 4, and formed in the lower portion of this hasp 9 is an aperture 10, through which the staple 6 projects when the hasp is swung downward onto the housing 4.

11 designates a plate fixed to the door post 60 or casing 2, directly opposite the plate 3, and formed integral with this plate 11 is a keeper 12, which is adapted to receive the end of the locking bolt 5 when the same is moved beyond the left-hand end of the 65 plate 3.

The bolt 5 is shifted from one position to another by means of the loop or staple 6, which moves from one end of the slot 7 to the other, and when said bolt is moved into 70 a locked position with its left-hand end in the keeper 12, the loop or staple 6 occupies the left-hand end of the slot 7, and the hasp 9 is now swung downward so that the loop or staple 6 projects through the opening 10 75 and the shackle of a padlock is now engaged through the projecting loop or staple, as shown by dotted lines in Figs. 1 and 2, and when said padlock is locked the hasp and locking bolt are likewise locked. 80

In the modified form of the device seen in Figs. 4 and 5, the bolt housing 4^a is fixed on the rear side of the plate 3^a, and said bolt housing 4^a occupies a recess formed in the 85 part 1^a, and thus said bolt housing and the bolt operating therein are counter-sunk, and where this construction is provided, the end of the locking bolt enters a recess formed in the part 2^a.

A safety locking bolt of my improved construction is simple, inexpensive, can be 90 advantageously used where a simple, positive lock is desired, and by means of the hasp the locking bolt can be maintained in

a latched position without the use of the padlock, or can be positively locked with said padlock.

I claim:

- 5 1. A device of the class described, comprising a housing, a bolt arranged to slide therein, a loop carried by the locking bolt, and a hasp hinged to the housing and adapted to engage the loop.
- 10 2. A device of the class described, comprising a housing, a hasp hinged thereto, a

bolt arranged to slide in the housing, and means fixed to said bolt and adapted to receive the hasp when the bolt is shifted into a locked position.

In testimony whereof, I have signed my name to this specification, in presence of two subscribing witnesses.

HENRY W. HARRIS.

Witnesses:

M. P. SMITH,
E. L. WALLACE.