

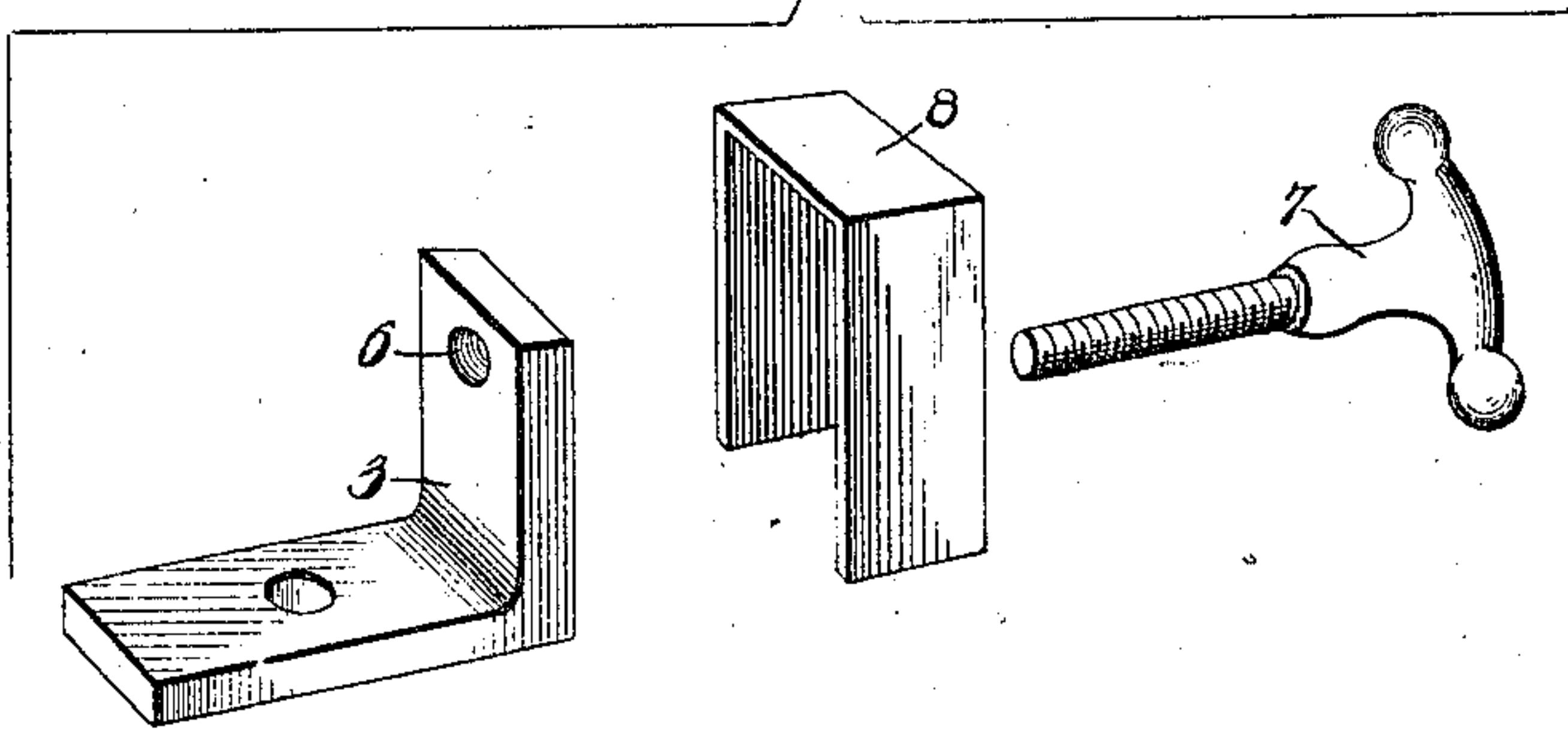
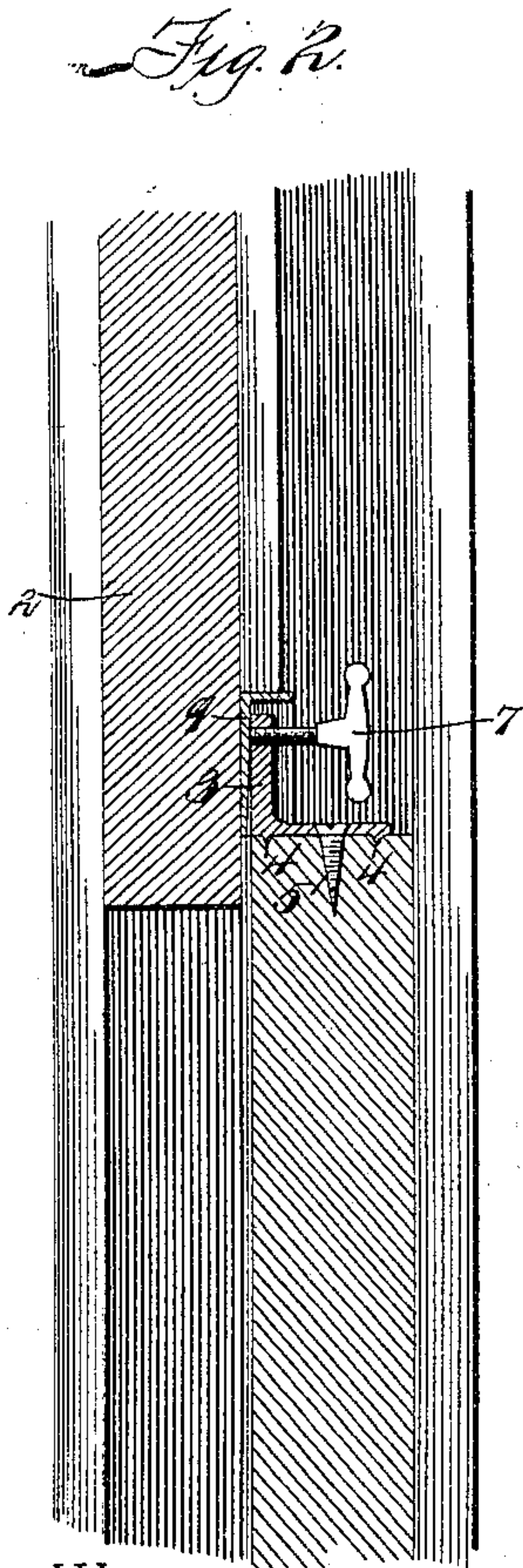
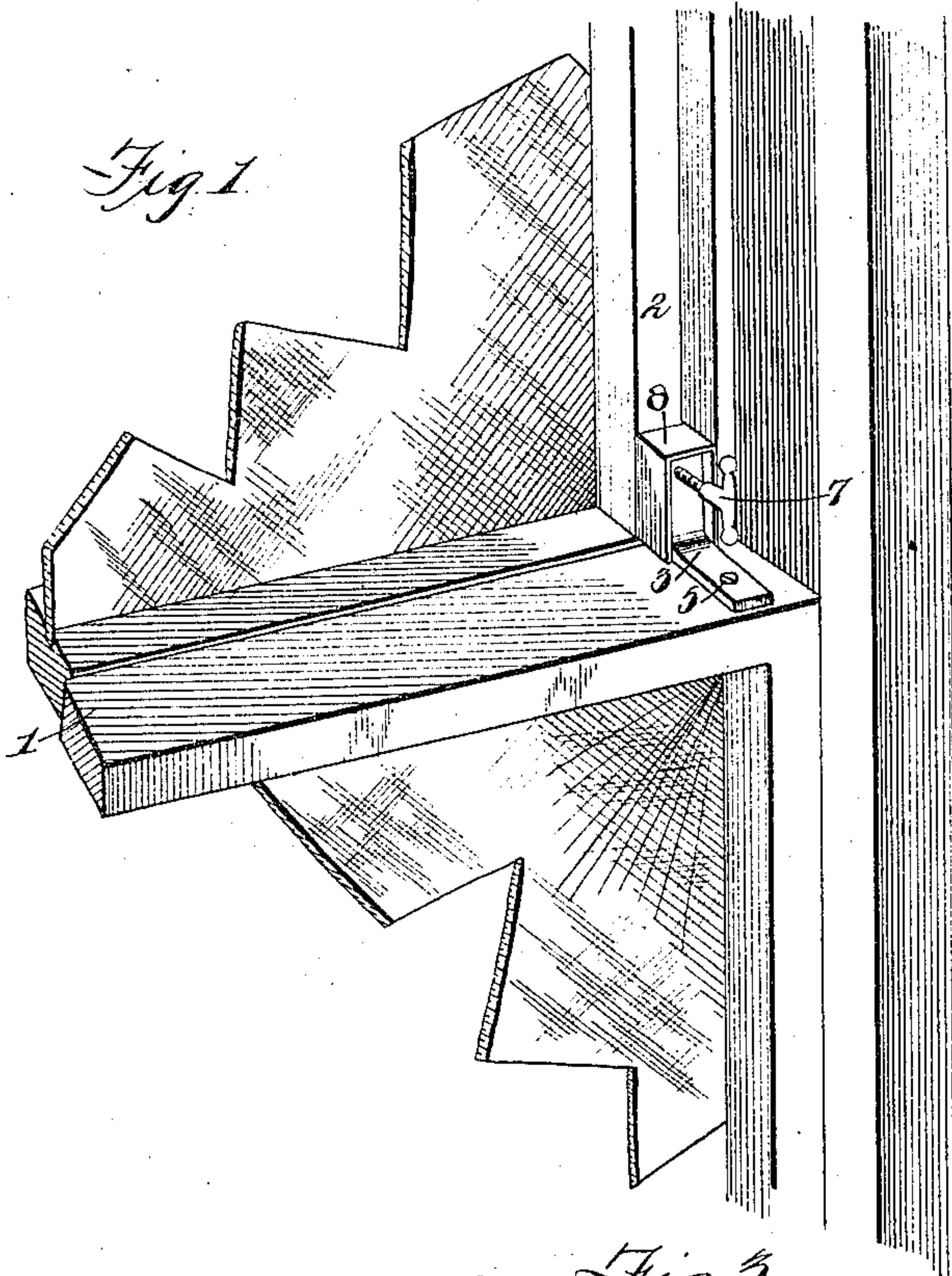
No. 617,630.

Patented Jan. 10, 1899.

H. BLISS.  
SASH LOCK.

(Application filed Dec. 20, 1897.)

(No Model.)



Witnesses

*W. Shepard*  
*Edwin Cruise*

By *his* Attorneys,

*C. A. Snow & Co.*

Inventor  
*Hiram Bliss*



# UNITED STATES PATENT OFFICE.

HIRAM BLISS, OF TAUNTON, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO  
WILLIAM T. PLACE, OF DIGHTON, MASSACHUSETTS.

## SASH-LOCK.

SPECIFICATION forming part of Letters Patent No. 617,630, dated January 10, 1899.

Application filed December 20, 1897. Serial No. 662,645. (No model.)

*To all whom it may concern:*

Be it known that I, HIRAM BLISS, a citizen of the United States, residing at Taunton, in the county of Bristol and State of Massachusetts, have invented a new and useful Sash-Lock, of which the following is a specification.

This invention relates to sash-locks, its object being to provide a simple and efficient device which may be easily attached to a window-sash without requiring the services of a skilled mechanic and will serve to lock the two sashes in any desired position relatively to each other.

With this object in view the invention consists of the several details of construction, combination, and arrangement of parts, as will be fully described hereinafter and particularly pointed out in the claim.

In the drawings, Figure 1 is a perspective view of portions of two window-sashes, showing my improved lock applied to lock the sashes in their closed positions. Fig. 2 is a sectional view of the locking device and part of the sashes. Fig. 3 is a group showing the several parts of the locking device separated.

Similar reference-numerals indicate similar parts in the several figures.

1 indicates the top rail of the lower window-sash, and 2 a side rail of the upper sash.

3 indicates an angle-bar the horizontal arm of which is provided with spurs 4 on its lower face and is also perforated for the passage of a screw 5, by means of which it may be firmly secured to the top rail 1 of the lower sash, the spurs being embedded therein, as will be readily understood. The vertical arm of the angle-bar is provided with a threaded opening 6, in which the thumb-screw 7 works.

8 indicates a cap or shoe open at its front and bottom and adapted to fit loosely over the vertical arm of the angle-bar and composed of vertical sides, a horizontal top, and a vertical rear wall 9. The rear wall 9 of the cap or shoe is thicker at its upper than at its lower end, and its inner face inclines outwardly from top to bottom, and thus forms a wedge.

In operation the angle-bar is secured to the top rail of the lower sash with the rear face

of the vertical arm extending parallel to the side rail of the upper sash, but removed therefrom sufficiently to permit the shoe to be fitted over the vertical arm, with the outer face of its rear wall in engagement with the side rail. The top wall of the shoe will preferably be about a quarter of an inch above the upper end of the vertical arm of the angle-bar, and the thumb-screw will be tightened up to force the shoe into close contact with the side rail. The pressure thus exerted will be sufficient to lock both sashes against movement under ordinary conditions; but should extra force be applied to either sash to move it the wedge shape of the rear wall of the shoe will cause it to bind tighter against the end of the thumb-screw and the side rail of the sash, and the more force applied to move either the upper or lower sash will simply result in causing the locking devices to bind tighter.

It is obvious that the device can be used to lock either or both sashes in a partly-open position.

It will be understood that changes in the form, proportion, and the minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

Having thus described the invention, what I claim is—

A sash-lock, comprising a vertically-disposed bar designed to be secured to the top rail of the lower sash, a thumb-screw mounted on the said bar, and a cap or shoe arranged on the bar and provided with a vertical wedge-shaped back arranged to be engaged by the screw and adapted to be forced by the same into contact with the upper sash, said wedge-shaped back being capable of causing the sashes to lock more firmly when subjected to pressure, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

HIRAM BLISS.

Witnesses:

LILLA E. SNOW,  
FREDK. S. HALL.