

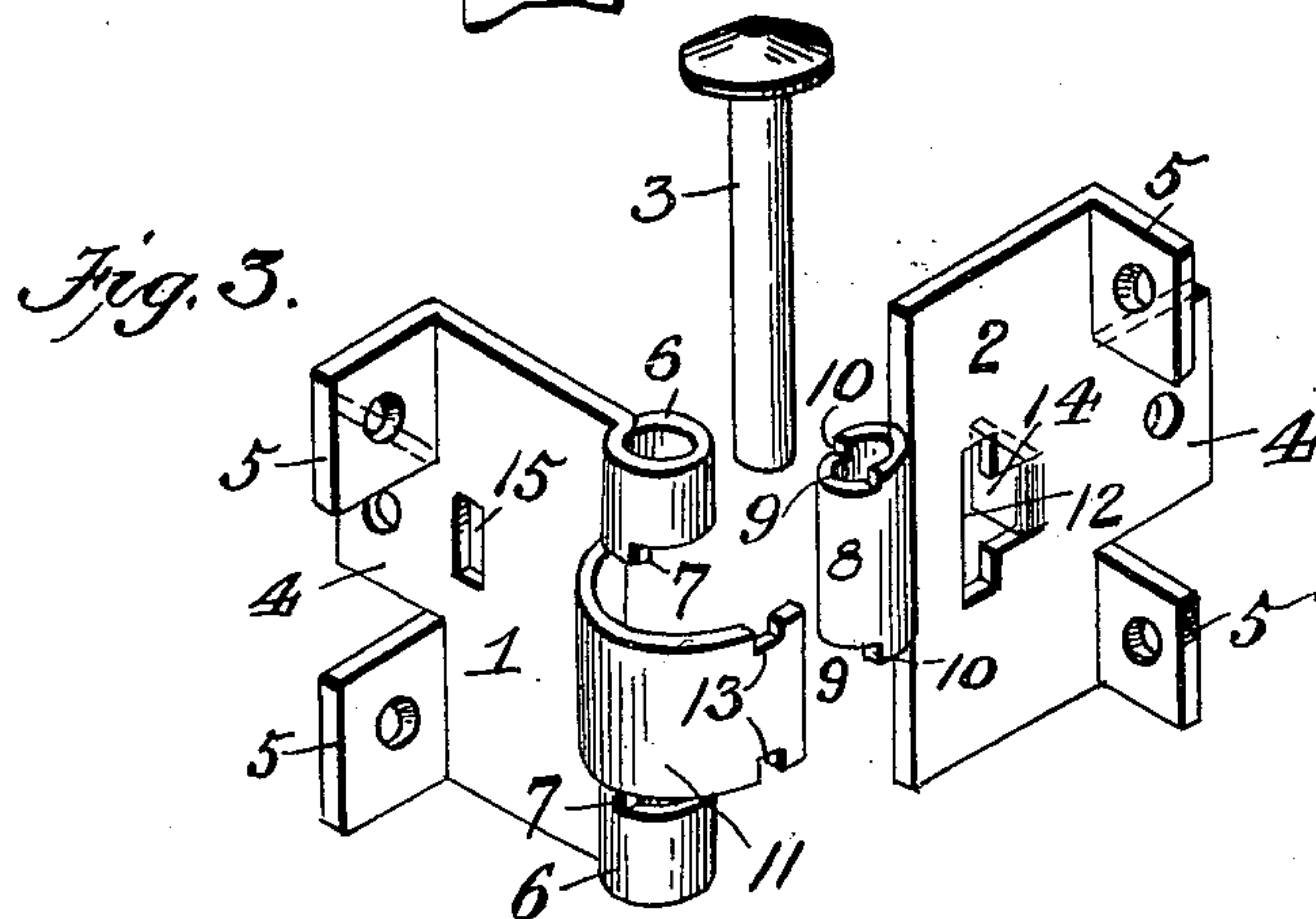
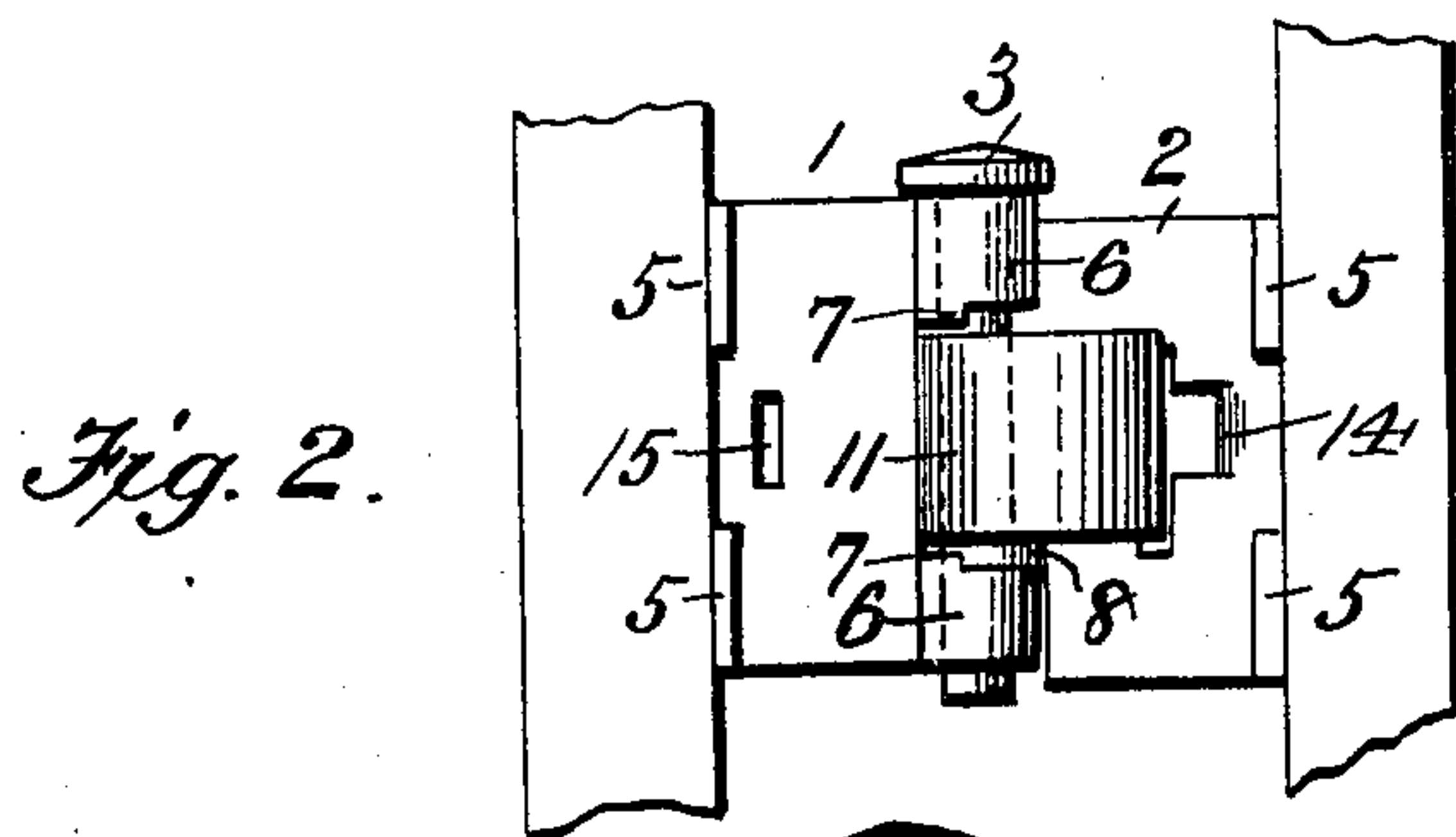
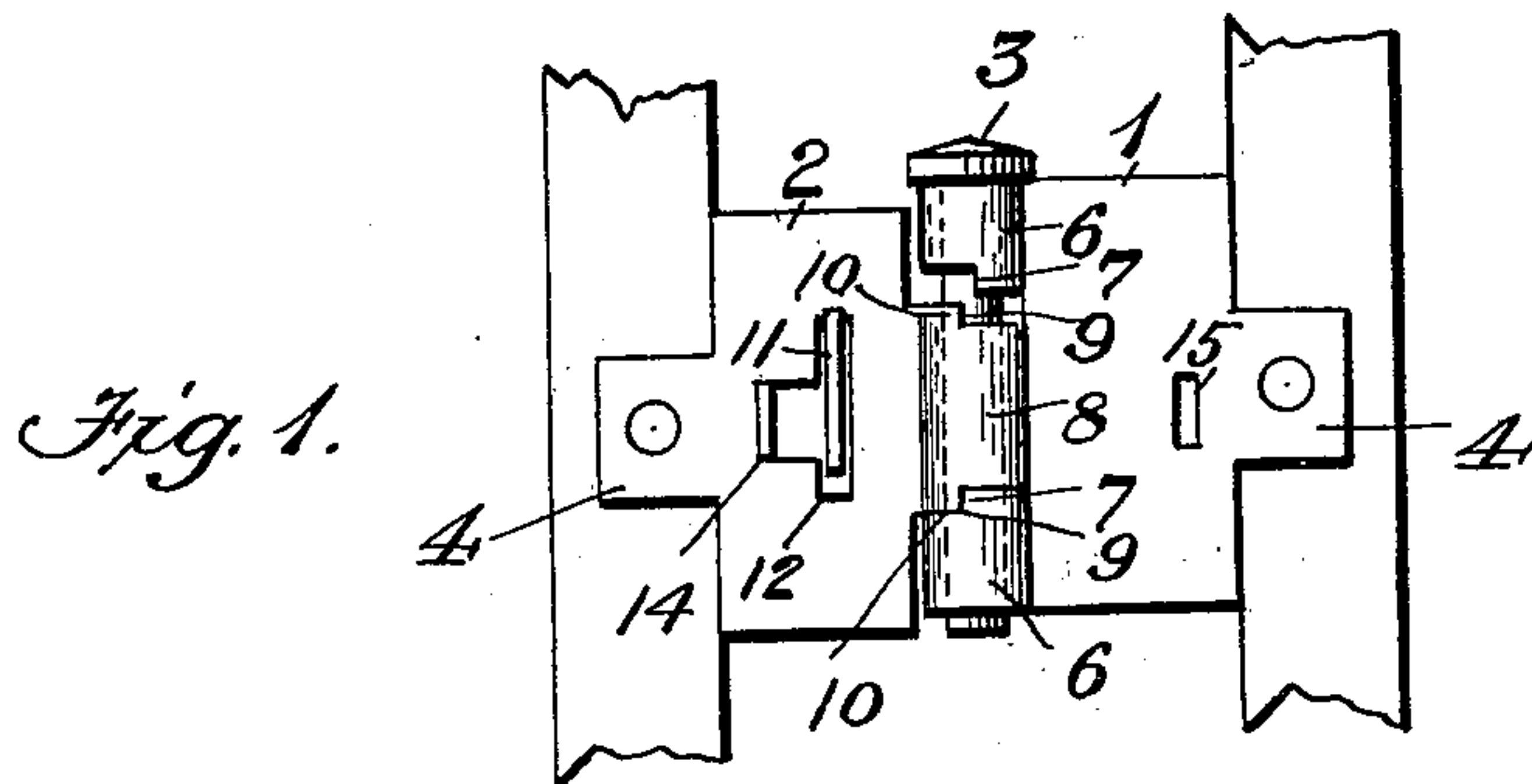
No. 700,612.

Patented May 20, 1902.

A. W. BRIGHTWELL.  
HINGE.

(Application filed Jan. 7, 1902.)

(No Model.)



Witnesses:  
Frank L. Ourand  
Frank G. Radelfinger.

Inventor:  
Amazon W. Brightwell  
by Law Rager Co.,  
Attorneys.

# UNITED STATES PATENT OFFICE.

AMAZON W. BRIGHTWELL, OF OWEN, INDIANA, ASSIGNOR OF ONE-FIFTH  
TO H. H. BEACH, OF LOUISVILLE, KENTUCKY.

## HINGE.

SPECIFICATION forming part of Letters Patent No. 700,612, dated May 20, 1902.

Application filed January 7, 1902. Serial No. 88,810. (No model.)

*To all whom it may concern:*

Be it known that I, AMAZON W. BRIGHTWELL, a citizen of the United States, residing at Owen, in the county of Clark and State of Indiana, have invented new and useful Improvements in Hinges, of which the following is a specification.

My invention relates to hinges; and the object of the same is to construct a hinge for use on doors and blinds which will be provided with efficient means for locking itself, and thereby holding the door or blind from slamming shut.

With this object in view I have devised the simple and novel construction described in this specification and claimed, and illustrated in the accompanying drawings, forming a part thereof, in which—

Figure 1 is a rear elevation of my hinge when open. Fig. 2 is a front elevation of the same. Fig. 3 is a perspective view of the hinge with parts separated.

Like numerals of reference designate like parts in the different views of the drawings. My hinge is constructed of two leaves, (designated by the numerals 1 and 2, respectively,) which leaves are pivoted on a bolt or pintle 3. To provide means for connecting the hinges to the frames, three tongues are formed on each of the leaves. The center tongue 4 of each of these sets of three tongues extends in the plane of the leaf, while the two outside tongues (numbered 5) extend at right angles to the plane of the leaf. This construction braces the hinge in two directions. The leaf 1 has two knuckles 6, which are cut away on the outer sides of their inner ends to form shoulders 7. The leaf 2 has but a single knuckle 8, which is cut away on the outer sides of both ends at 9, forming shoulders 10. The shoulders 7 and 10 are square to prevent riding over and they are arranged to interlock on the upper side when the hinge is open to prevent the blind from slamming shut. As a further prevention against slamming a tongue 11 is formed integral with the leaf 1, is curved around, and when the hinge is open passes through an aperture 12 in the leaf 2. Square notches 13 are formed in the tongue 11, which are located to engage the lower edges of the aperture 12 when the hinge is open. A lug 14 is formed on the leaf 2, which is positioned to engage an aperture 15

in the leaf 1 when the hinge is shut, which serves to strengthen the hinge and prevent the door from sagging.

When my hinge is closed, the lug 14 will engage the aperture 15 and the higher sides of the knuckles will bear on one another. On closing the hinge it will turn on the pin 3, all the time bearing on the higher sides of the knuckles, and the tongue 11 will pass into the aperture 12. As soon as the hinge becomes straight it will drop and the upper shoulders 7 and 10 thereon will interlock and the lower notch 13 will fit over the lower edge of the aperture 12, locking the hinge against accidental closing. To close the hinge, the door to which it is applied must be raised vertically until the notch 12 is disengaged, when the door may be swung shut.

My hinge is perfectly symmetrical and may be turned either end up and is constructed from two integral blanks.

I do not wish to be limited as to details of construction, as these may be modified in many particulars without departing from the spirit of my invention.

Having described my invention, what I claim as new, and wish to secure by Letters Patent, is—

1. In a hinge the combination of two pivoted leaves having knuckles provided with shoulders located to interlock when the hinge is open, a curved notched tongue carried by one of said leaves which is constructed to engage an aperture in the other of said leaves when said shoulders interlock, substantially as described.

2. In a hinge the combination of two pivoted leaves, one of said leaves having a curved tongue provided with a square notch, the other of said leaves having an aperture therein located to be engaged by said tongue when the hinge is closed, said leaves having shoulders thereon which are constructed to interlock and permit the said square notch in said tongue to drop and engage the lower side of said aperture, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

AMAZON W. BRIGHTWELL.

Witnesses:

THOMAS H. WOOD,

SHERMAN H. HOSTETLER.