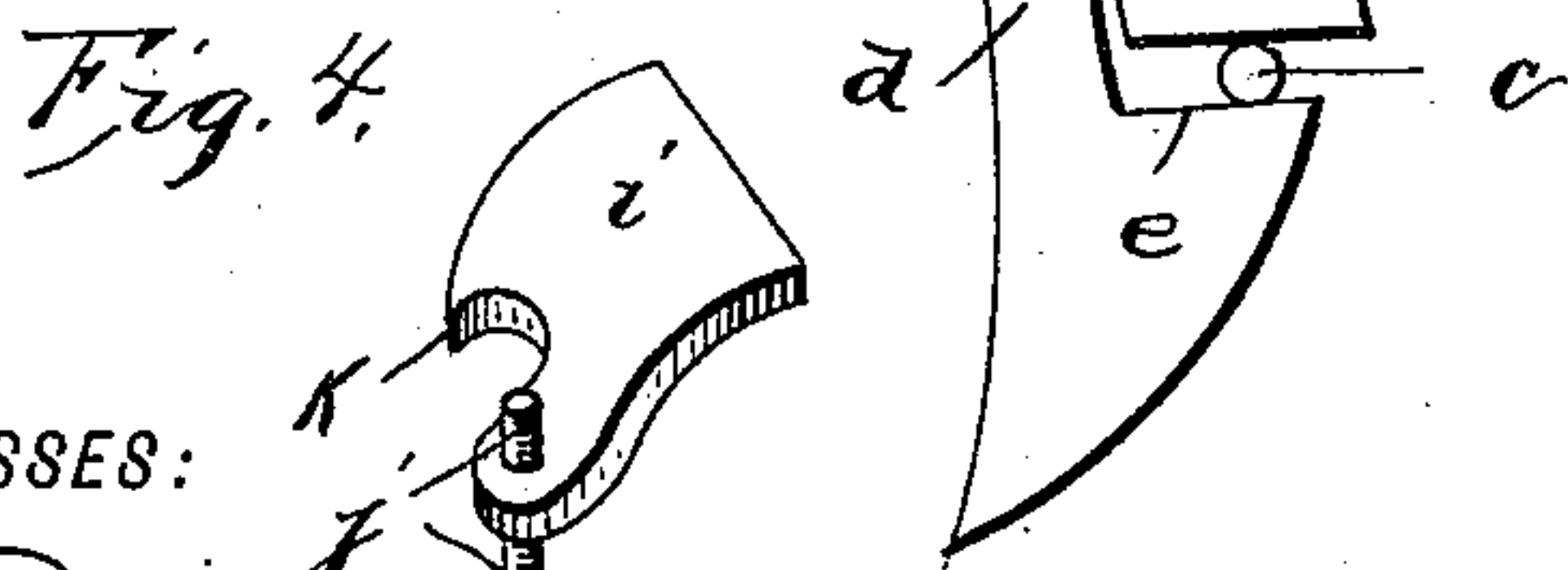
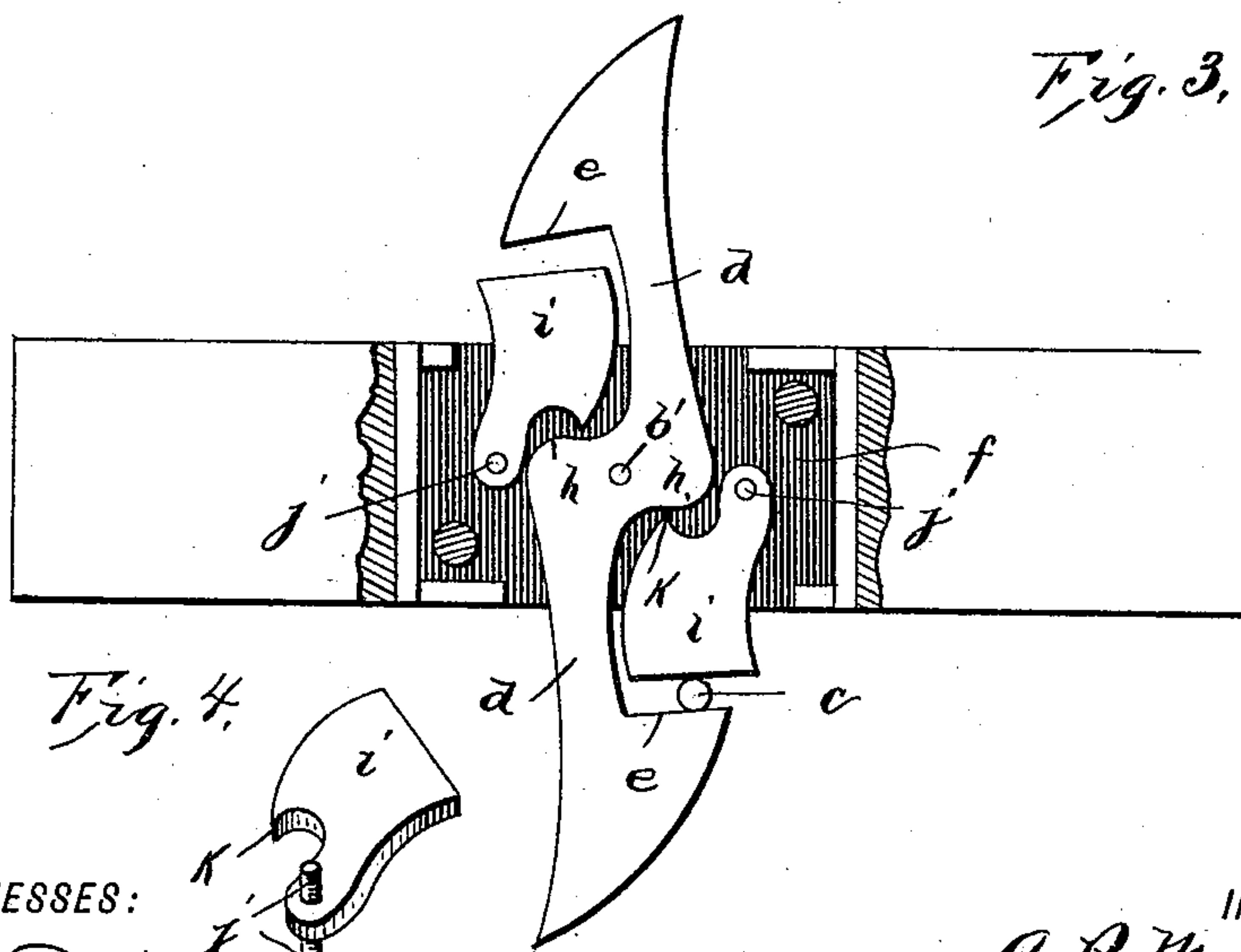
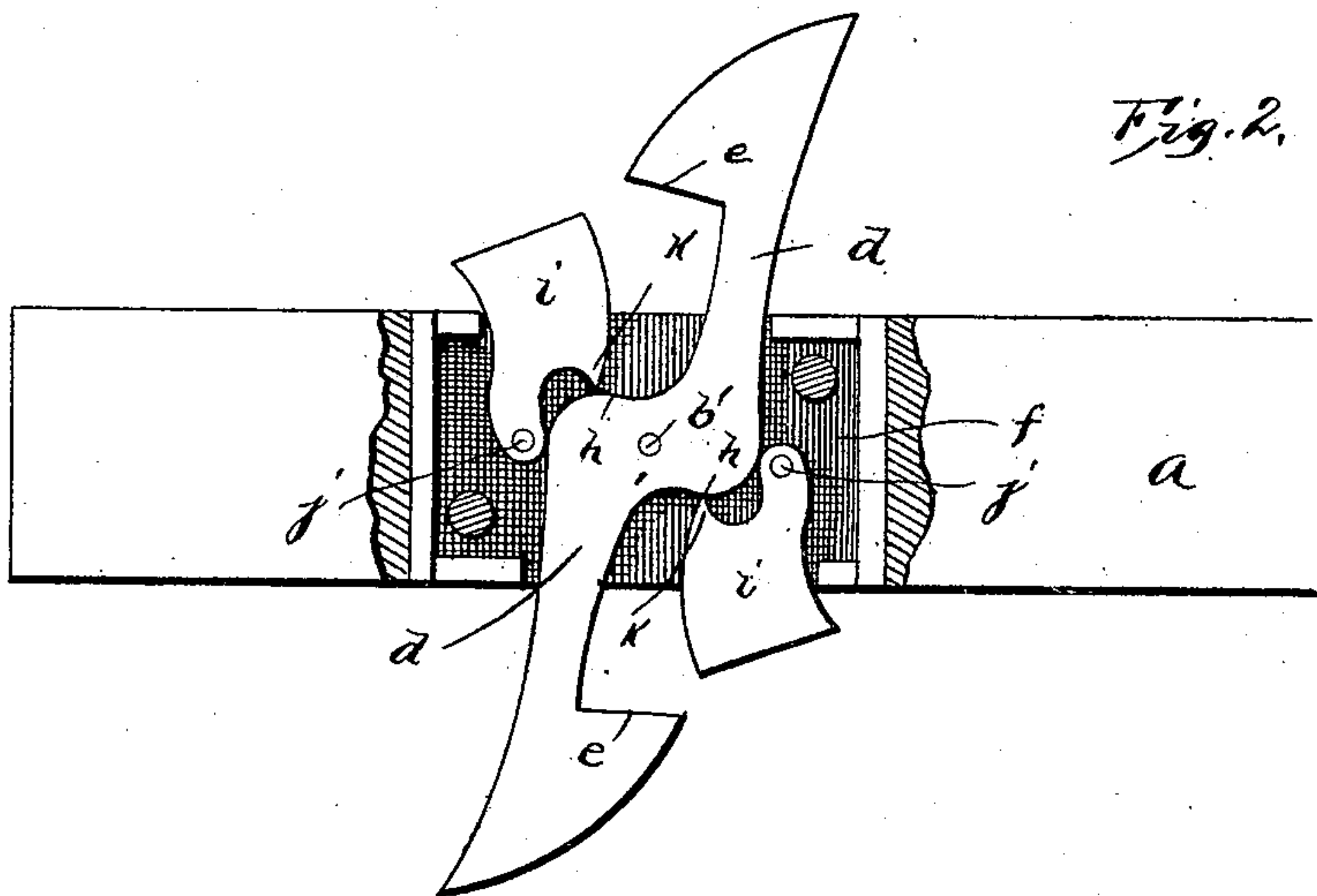
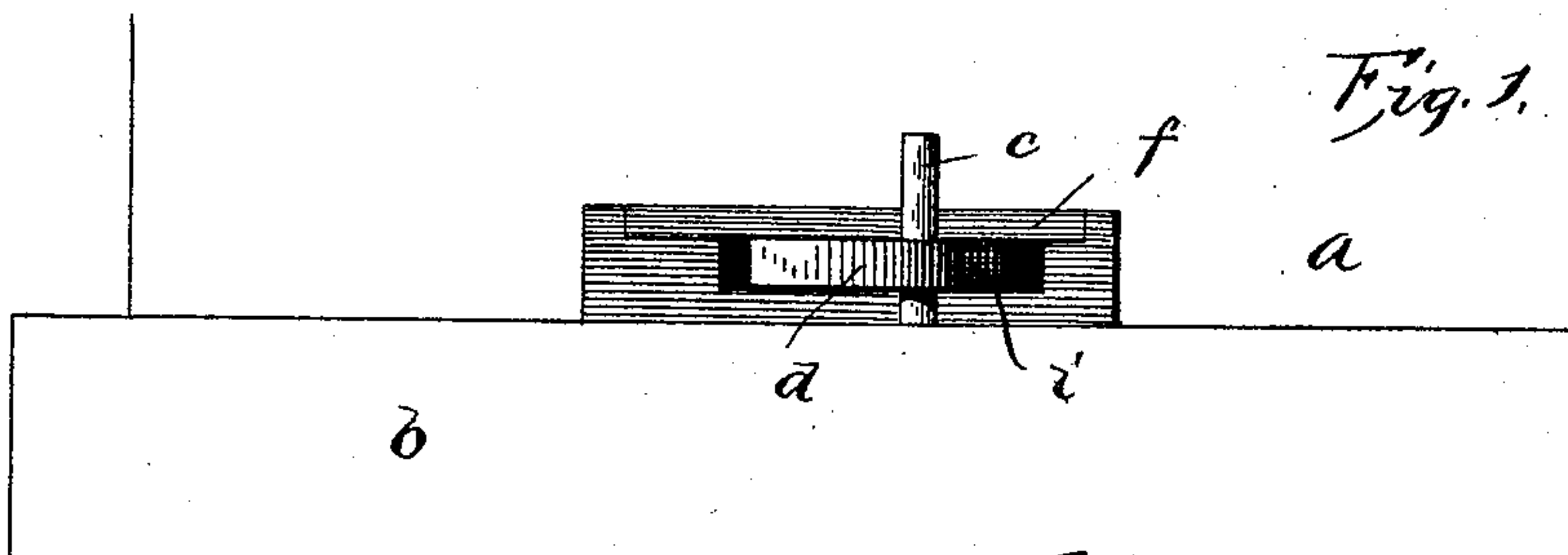


(No Model.)

A. P. MERRILL.
SHUTTER FASTENER.

No. 459,512.

Patented Sept. 15, 1891.



WITNESSES:

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ANSON PARKER MERRILL, OF FALL RIVER, MASSACHUSETTS, ASSIGNOR OF
ONE-HALF TO CHARLES A. HICKS, OF SAME PLACE.

SHUTTER-FASTENER.

SPECIFICATION forming part of Letters Patent No. 459,512, dated September 15, 1891.

Application filed January 7, 1891. Serial No. 376,965. (No model.)

To all whom it may concern:

Be it known that I, ANSON PARKER MERRILL, of Fall River, in the county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in Shutter-Fasteners; and I do hereby declare that the following is a full, clear, and exact description of the invention, which 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 of reference marked thereon, which form part of this specification.

This invention relates to certain improvements in shutter or door fasteners.

The object of the invention is to provide an improved automatic fastener exceedingly simple in construction, thorough, effective, and automatic in action, composed of a minimum number of parts assembled to operate without the employment of springs, and which will operate to lock the shutter or door easily, whether slammed or swung easily.

These objects are accomplished by and my invention consists in certain novel features of construction and in combinations of parts more fully described hereinafter, and particularly pointed out in the claims.

Referring to the accompanying drawings, Figure 1 is a side elevation showing a portion of the shutter or blind or door and the sill, the fastener being locked; Figs. 2 and 3, plan views, portions being broken away, showing, respectively, the fastening device open and the fastening device closed. Fig. 4 is a detail perspective of one of the eccentrically-pivoted swinging operating dogs or blocks.

In the drawings, reference-letter *a* indicates the door or shutter, *b* the sill, and *c* the pin or hook carried by the sill or the wall of the house to lock the shutter or door closed or open. The fastener is double—that is, it is so formed as to automatically lock the shutter either closed or open against the wall of the house.

d is the double-pivoted catch or hook of the fastener extending through and projecting from both sides of the shutter and at its opposite ends having the oppositely-extending shoulders *e e* and beveled, as shown. This

double-swinging hook is pivoted at or about the center of its length at *b'* in the metal box *f*, secured in the rabbeted out portion in the under edge of the shutter. This box is open at both sides, as shown. The shank of the swinging hook is provided with a pair of shoulders *h*, located on opposite sides and a distance from the pivotal point of the hook—that is, the shank at its center is enlarged laterally—and these shoulders are formed by the diagonally-opposite ends of this enlarged portion, whereby each shoulder *h* is located opposite the engaging or locking shoulder at its respective end of the shank. These shoulders *h* are preferably rounded to form bearing-surfaces. The pair of blocks or dogs *i* are pivoted in the box, and extend, respectively, to opposite open sides thereof. Each block has an extended inner end provided with a pair of lateral pintles *j* on opposite sides thereof and integral therewith, fitting in openings in the sides of the box to form journals on which the dog can swing. Outwardly from said pivotal point each dog is enlarged laterally and inwardly, and is provided with the rounded inwardly-extending shoulder *k*, bearing against the shoulder *h* of the locking-hook. The outer end of each dog, located opposite its respective shoulder of the hook and a sufficient distance therefrom to receive the stationary pin or hook, is preferably cut off square, as clearly shown. Each locking shoulder or end of the hook is provided with one of these eccentrically-pivoted operating-dogs, so that when the blind moves in either direction toward one of the stationary pins or hooks before mentioned the outer edge of the locking-dog will come in contact with said pin, and will thereby be swung inwardly on its pivot, and its bearing-shoulder *k* will bear against and press shoulder *h* of the locking-hook and will swing said hook so as to catch said pin between hook and block, thereby locking the blind quickly and easily and noiselessly. It will be readily seen that a blind or shutter will not have to slam or shut very hard or hard enough to be heard in the house before it would catch and if it should swing very hard it would catch just the same.

It will also be seen that the interposition

of the dog prevents the blind from swinging back and forth and rattling and also from swinging loose. The blind can be released by merely swinging the hook laterally.

5 It will be readily seen that the fastener is automatically operated by a system of levers.

It is evident that various modifications or slight changes might be resorted to without departing from the spirit and scope of my invention. Hence I do not limit myself exactly to what is here shown and described.

What I claim is—

1. The herein-described shutter-fastener, consisting of the laterally-swinging hook having the lateral shoulder on one side of its pivotal point, and the laterally-swinging eccentrically-pivoted dog having a lateral shoulder engaging said shoulder of the hook and having its outer edge adjacent to and located a

short distance from the engaging portion of the hook and arranged to operate as set forth. 20

2. The combination, in a shutter-fastener, of the metal box, the double hook extending therethrough and pivoted therein and having opposite bearing-shoulders on each side of its pivotal point, and the two separate eccentrically-pivoted dogs located in opposite sides of said box and arranged, as set forth, to operate as described, and each having a lateral bearing-shoulder to bear on one of said shoulders of the hook, as set forth. 25 30

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

ANSON PARKER MERRILL.

Witnesses:

J. W. FLAHERTY,

J. S. SAFFORD.