

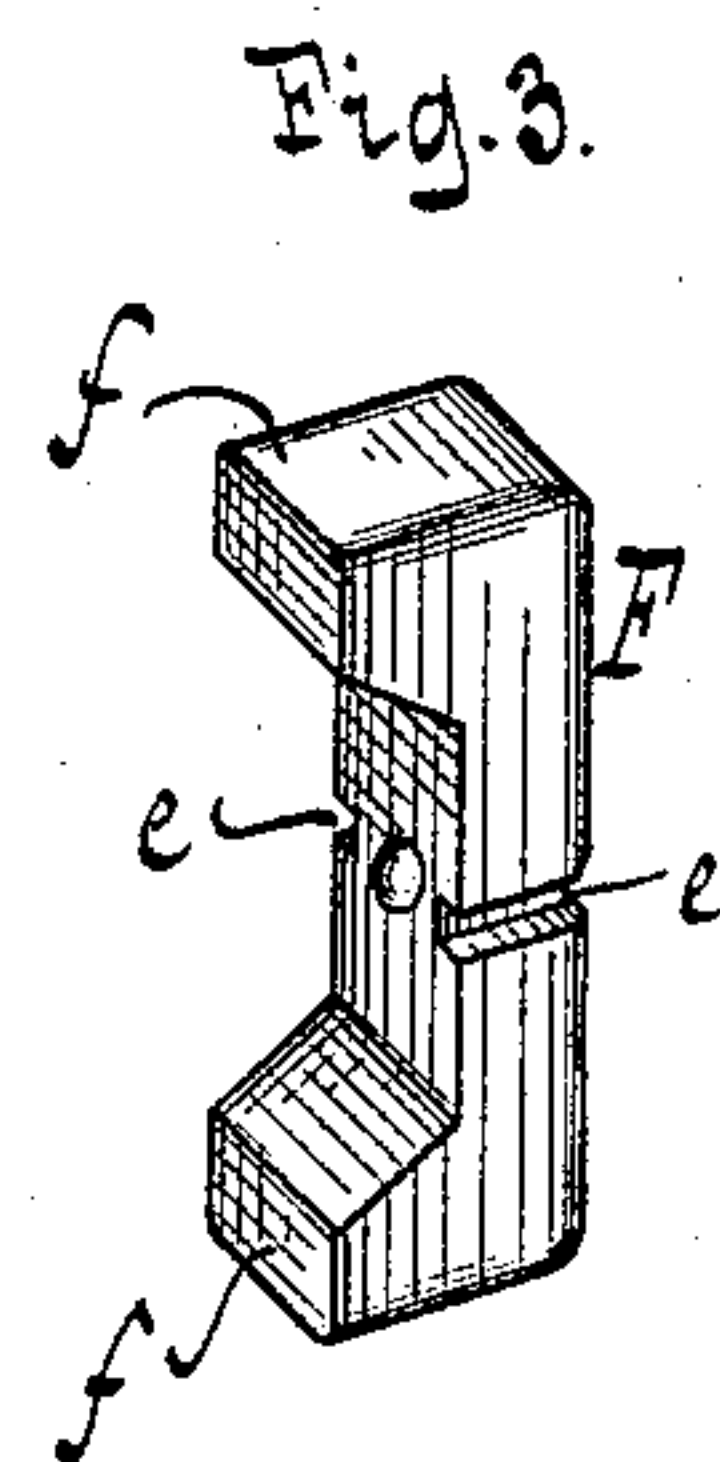
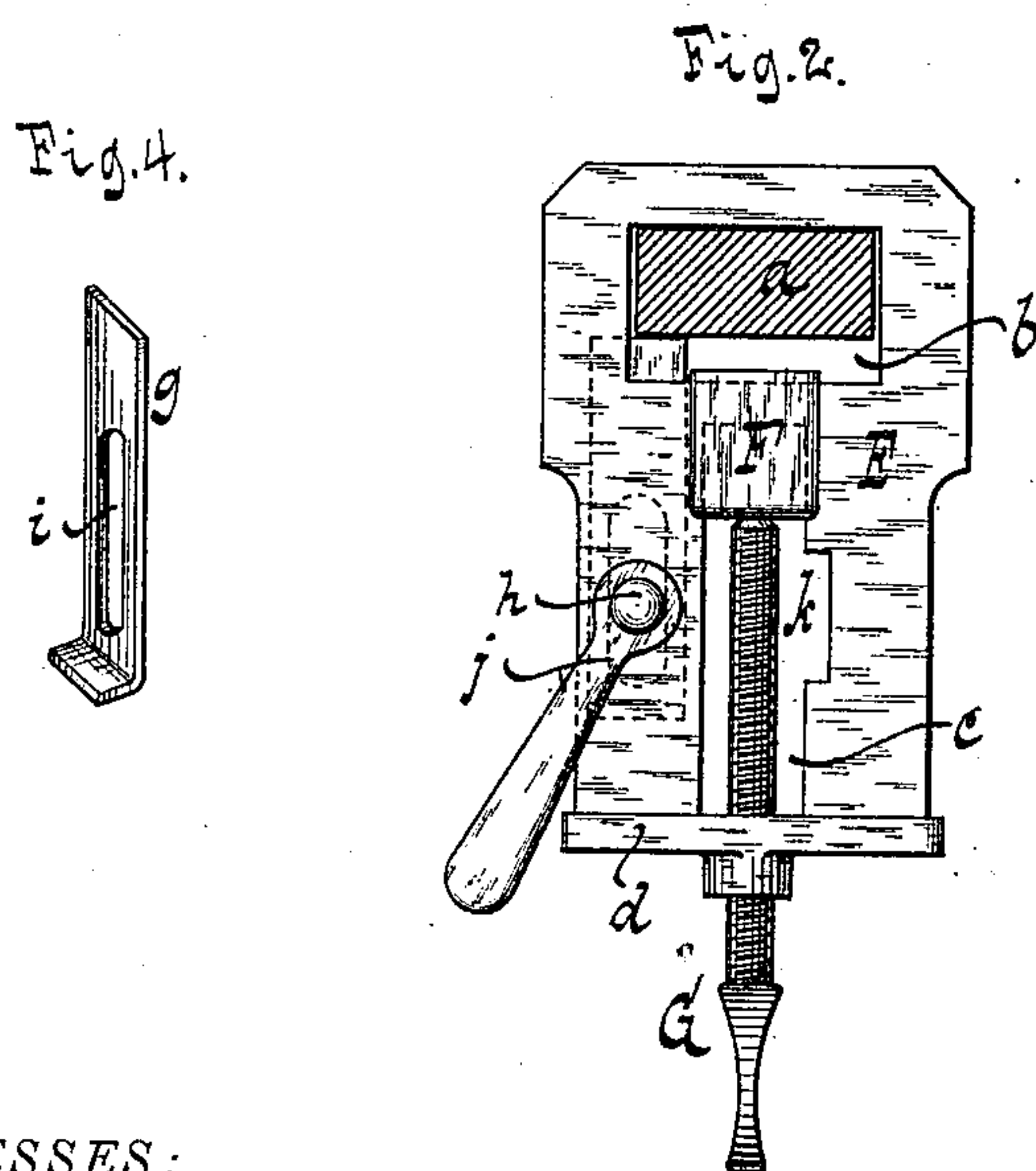
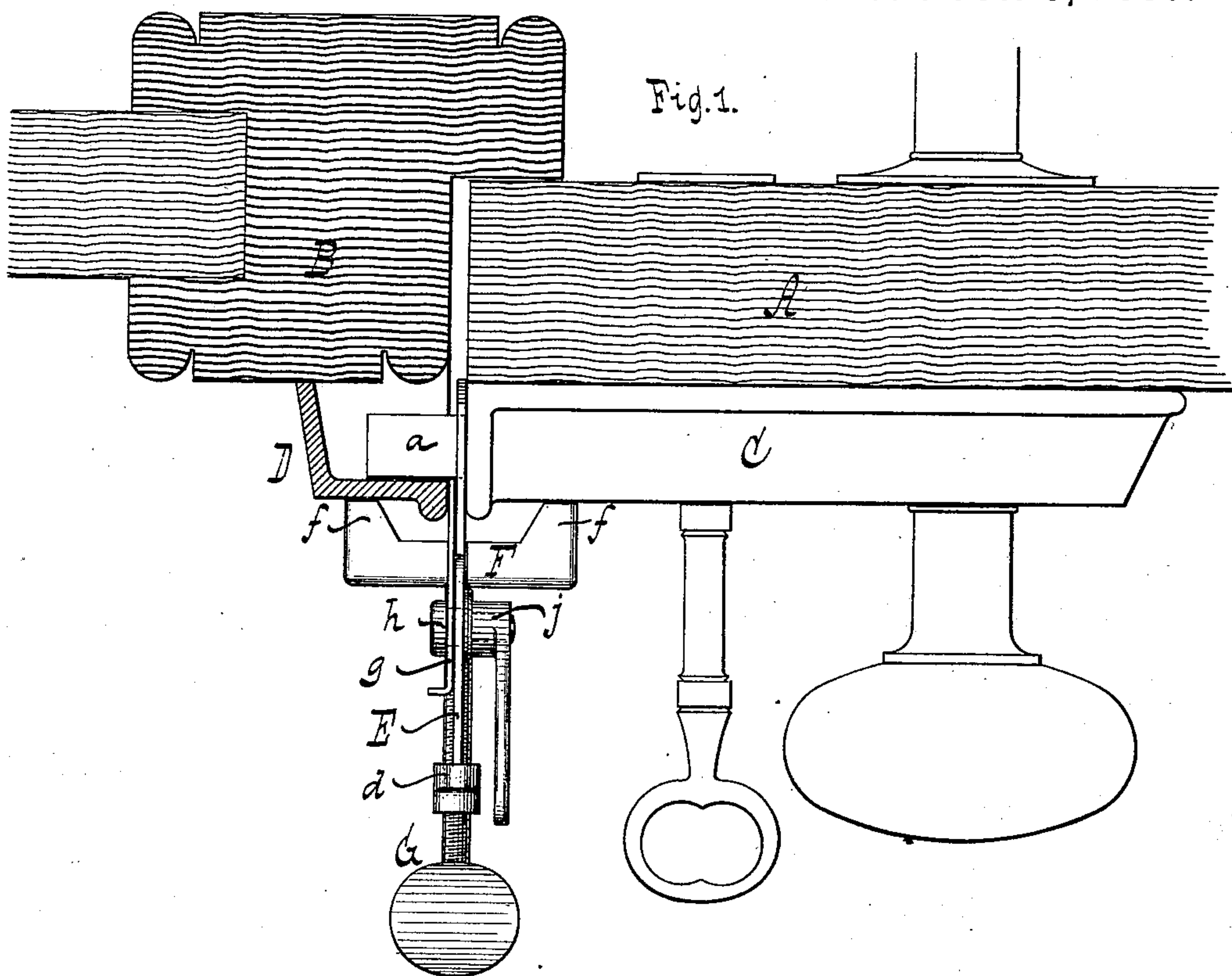
(No Model.)

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DOOR SECURER.

No. 350,437.

Patented Oct. 5, 1886.



WITNESSES:

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UNITED STATES PATENT OFFICE.

FREDERICK C. KIRCHNER AND WILLIAM HENRY WASHBURN, OF NEW YORK, N. Y.

DOOR-SECURER.

SPECIFICATION forming part of Letters Patent No. 350,437, dated October 5, 1886.

Application filed August 19, 1886. Serial No. 211,302. (No model.)

To all whom it may concern:

Be it known that we, FREDERICK C. KIRCHNER and WILLIAM HENRY WASHBURN, both citizens of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Door-Fasteners, of which the following is a specification.

This invention relates to an improvement in door-fasteners; and it consists in certain novel features of construction, fully pointed out in the following specification and claims, and illustrated in the accompanying drawings, in which—

Figure 1 shows our device applied to a door. Fig. 2 is a side view thereof. Figs. 3 and 4 are details.

Similar letters indicate corresponding parts.

In the drawings, the letter A designates a door which closes in the usual way against the jamb B.

C is the lock secured to the door, the bolt *a* of which passes behind the catch D on the jamb when the door is locked.

E is the main plate or frame of our fastener, which is placed between the door and the jamb in such a way that when the former is locked the bolt *a* will pass through an opening, *b*, in the inner end of the plate E.

In the outer end of this plate is a slot, *c*, the sides of which form guides for the sliding clamp F, which is acted on by a thumb-screw, G, tapped into the head-piece *d*. The clamp is provided on its sides with grooves *e*, which engage the sides of the slot *c*, and serve to hold it from slipping out of the same.

The operation of our device is as follows: The plate E is inserted between the door and the jamb in such a way that when the door is locked the bolt *a* will pass through the opening *b*. The clamp F is then moved down the slot *c* by the screw G until one of the legs *f* on the same will rest on the lock C, and the other on the catch D, when by the continued action of the screw the inner edge of the opening *b* will be forced against the bolt *a*, and draw the latter against the inner face of the catch D with sufficient force to prevent it from being shoved back, or from being unlocked by means of a key until relieved from the action of our fastener.

When the door to which our device is to be applied has its lock on the outside, the clamp F is used, as shown in Fig. 1—that is, the legs *f* press against the lock and the catch, so as to rest firmly against the body of each; but when the door is provided with a “mortise-lock” the clamp is reversed, so that its smooth side rests against both the door-surface and the jamb, and will not deface or indent them.

To diminish the area of the opening *b*, a slide, *g*, is secured to the plate E by a screw, *h*, which passes through a slot, *i*, in this slide, and through the plate E, and is tightened by a nut, *j*.

To facilitate the insertion and withdrawal of the clamp F from the slot *c*, a recess, *k*, is cut into one of the sides of the latter, so that when the thumb-screw is turned back the clamp can be taken out, either for the purpose of reversing or for packing the parts together more compactly for purposes of transportation.

By the device above described a door-fastener is provided by means of which any door having either a surface or a mortise lock can be securely fastened without injury either to the door or to the lock.

What we claim as new, and desire to secure by Letters Patent, is—

1. In a door-fastener, the combination, with the plate E, having an opening, *b*, for the passage of the lock-bolt, of the clamp F, movably attached to said plate, and means, substantially as described, for actuating said clamp, substantially as set forth.

2. The combination, with the plate E, having an opening, *b*, for the passage of the lock-bolt, and a slot, *c*, of the clamp F, constructed to slide in said slot, and the screw G, adapted to act on said clamp, substantially as described.

In testimony whereof we have hereunto set our hands and seals in the presence of two subscribing witnesses.

FREDERICK C. KIRCHNER. [L. S.]
WILLIAM H. WASHBURN. [L. S.]

Witnesses:

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E. F. KASTENHUBER.