

(No Model.)

2 Sheets—Sheet 1.

W. H. BAYNARD.

SAFE DOOR.

No. 346,980.

Patented Aug. 10, 1886.

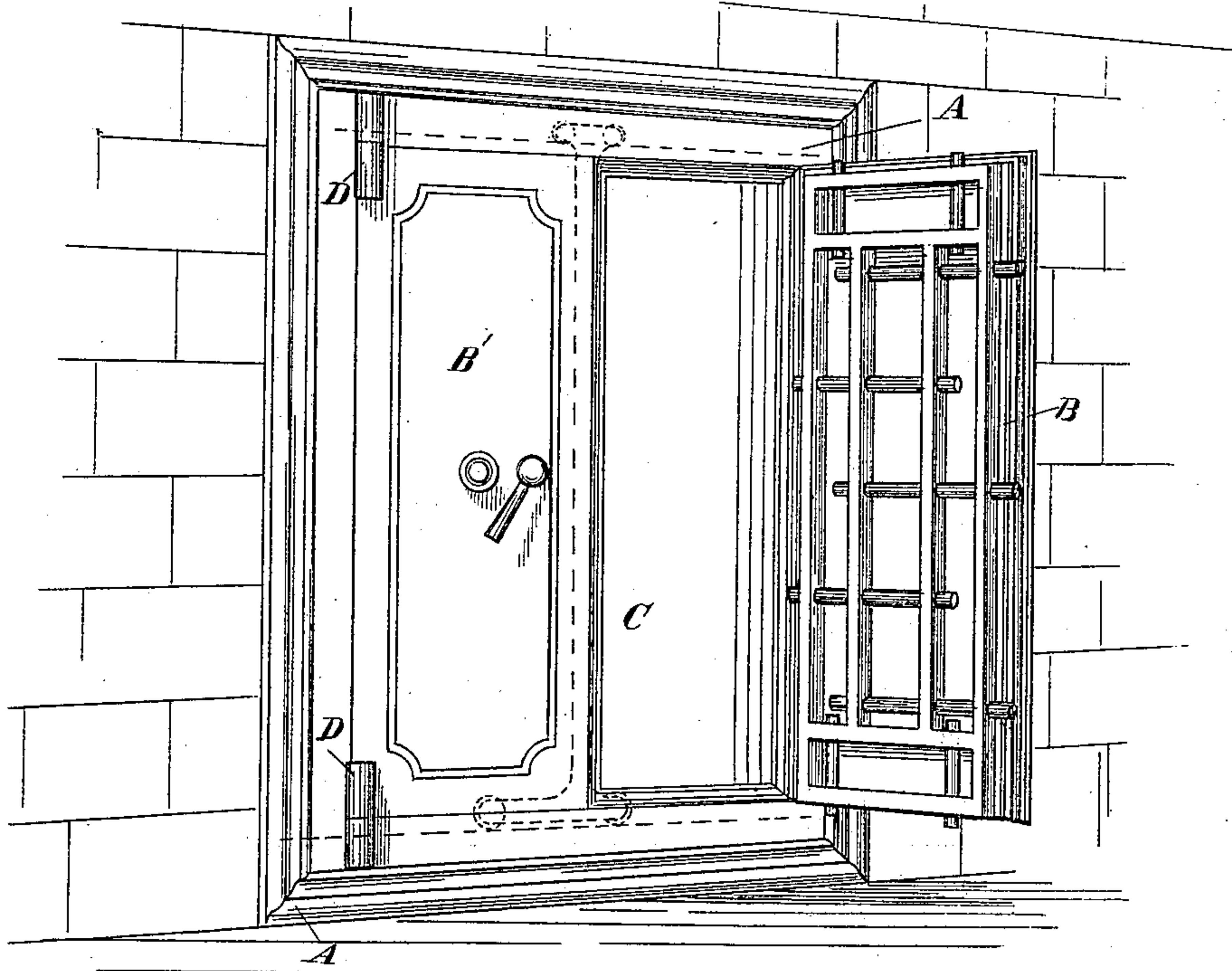


Fig. 1.

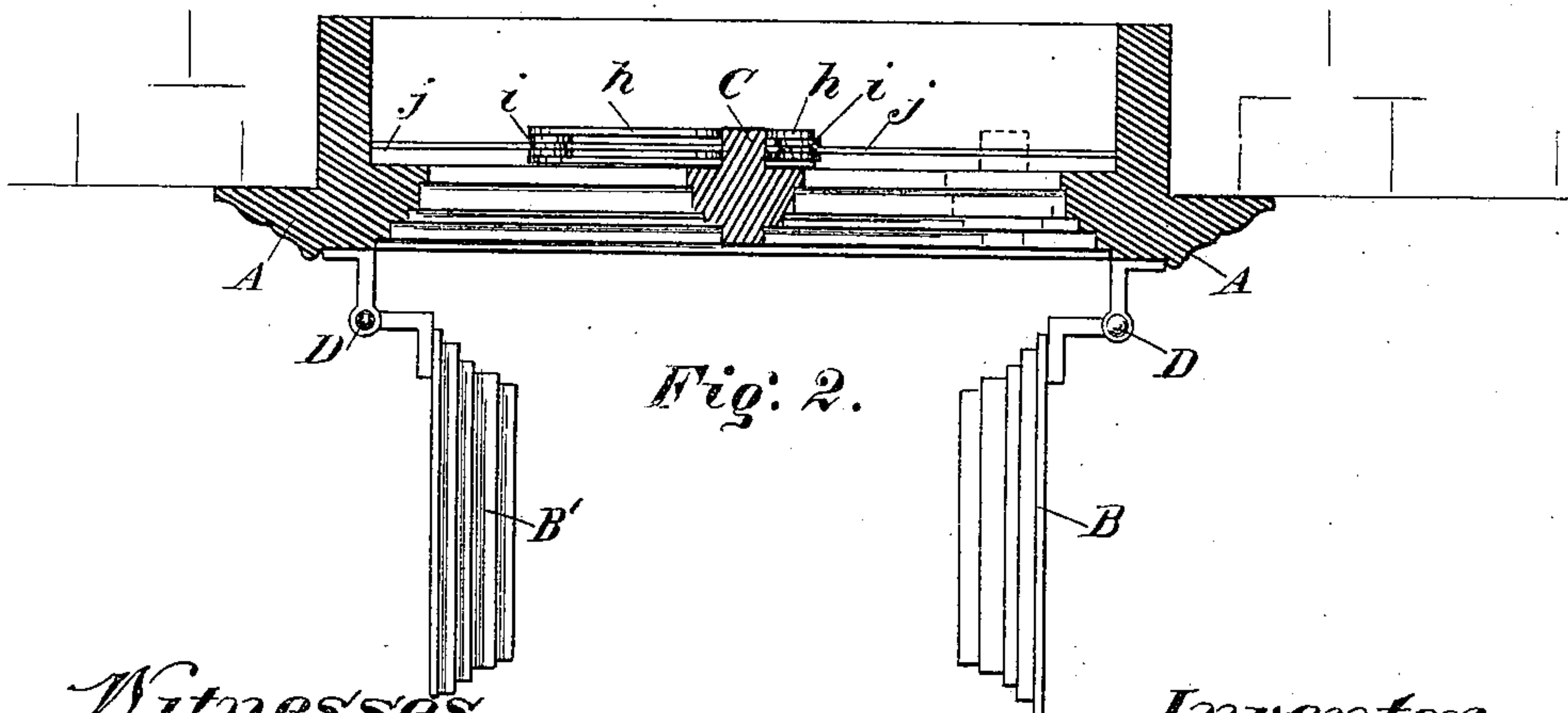


Fig. 2.

Witnesses  
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William H. Baynard  
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his Attorneys.

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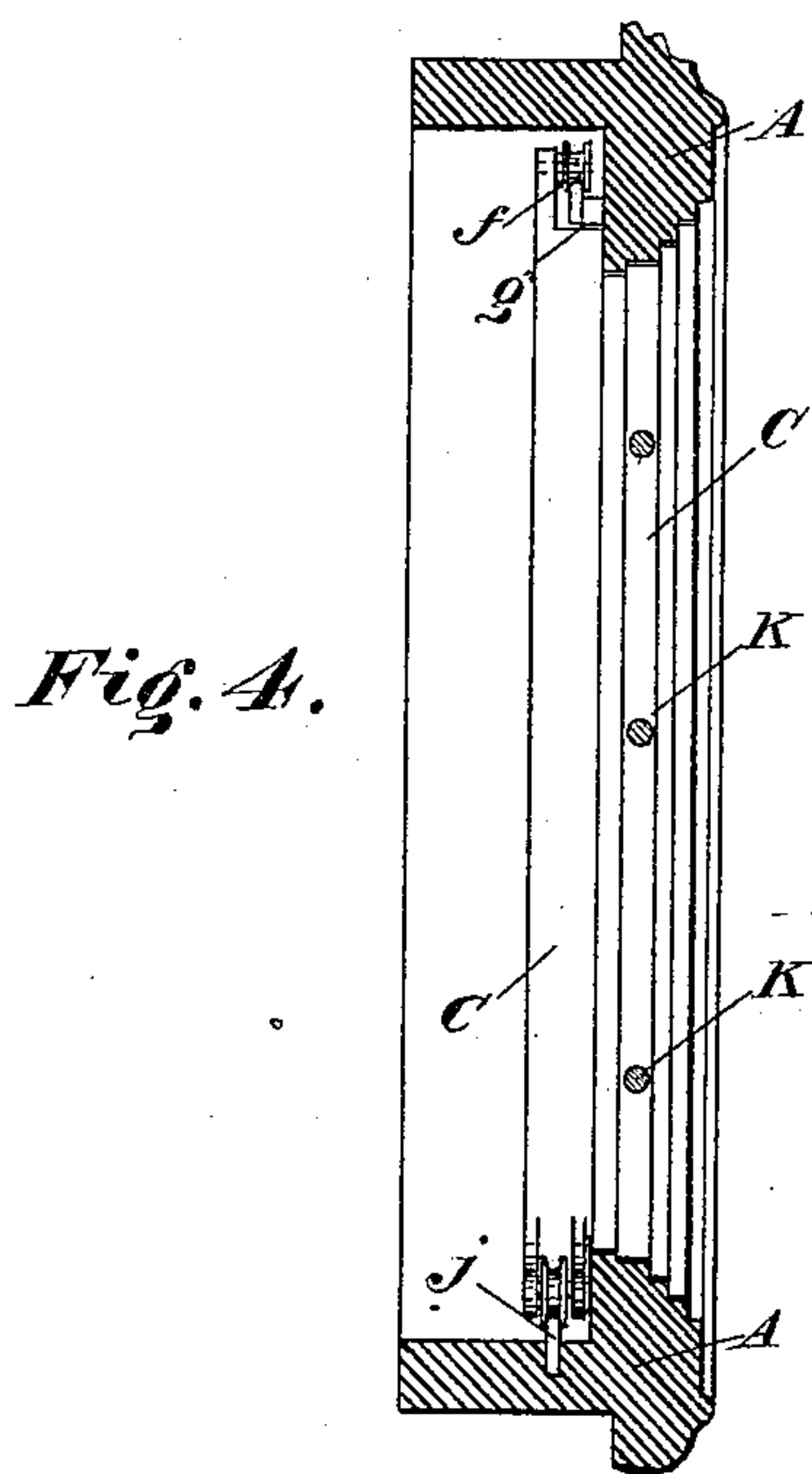
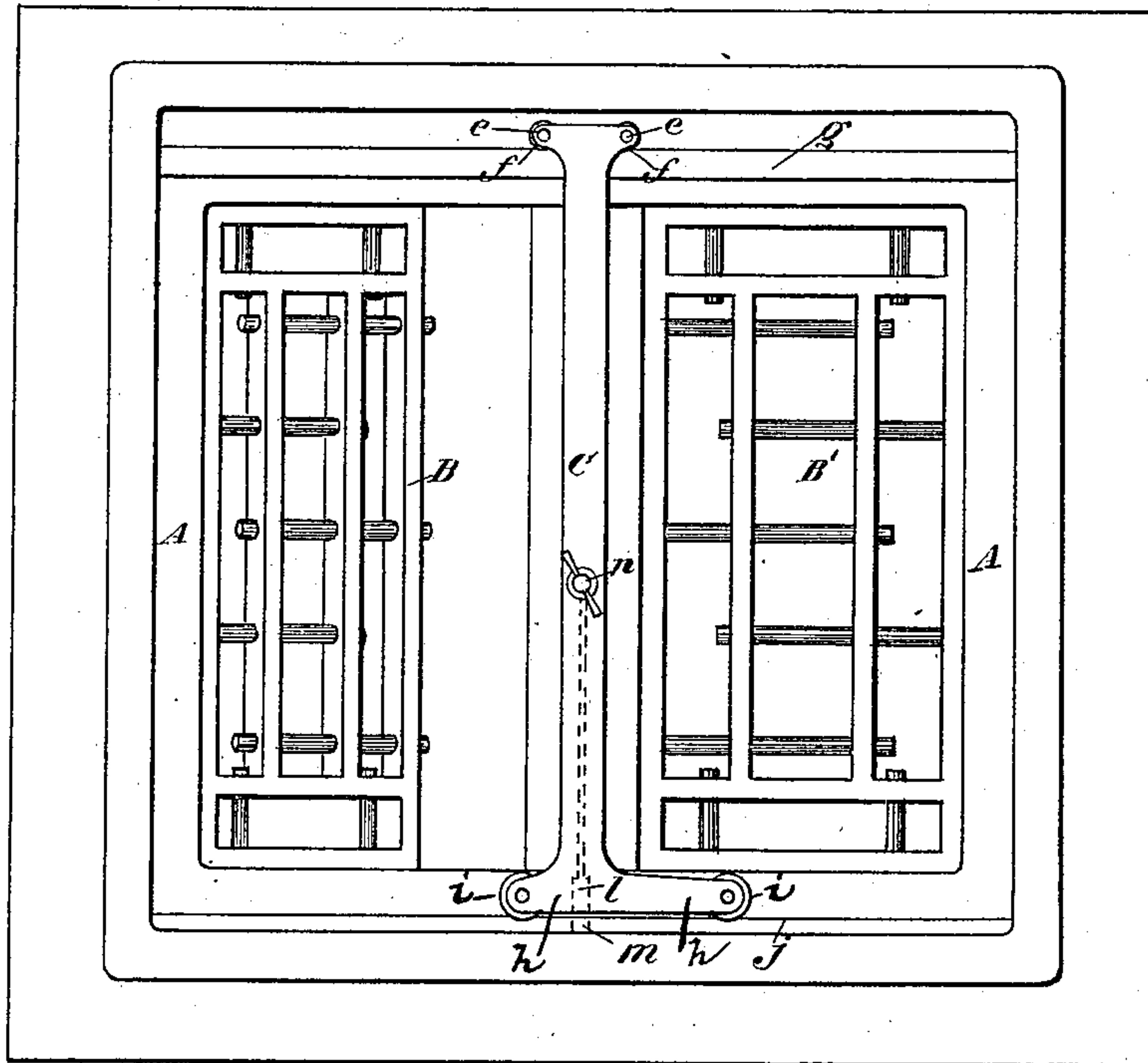


Fig. 3.

Fig. 4.

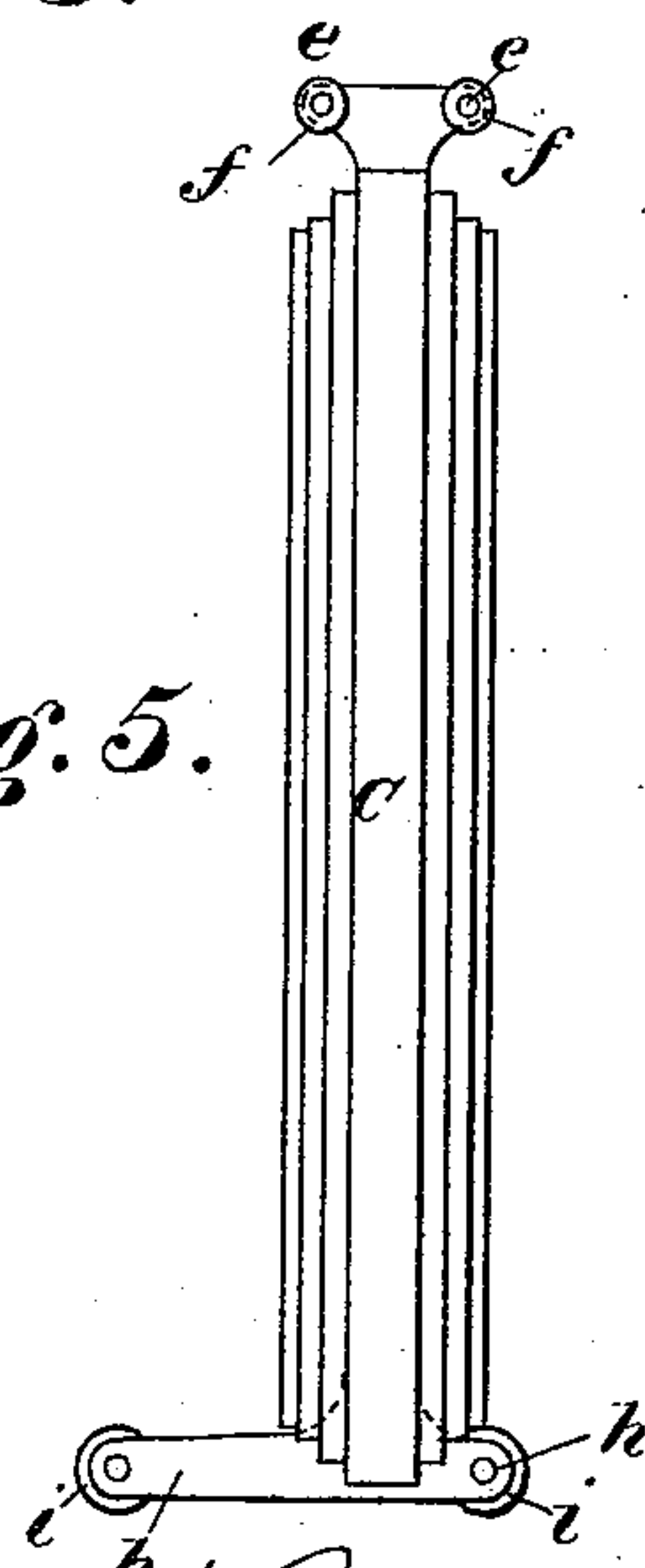


Fig. 5.

Witnesses:

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William H. Baynard  
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# UNITED STATES PATENT OFFICE.

WILLIAM H. BAYNARD, OF BALTIMORE, MARYLAND.

## SAFE-DOOR.

SPECIFICATION forming part of Letters Patent No. 346,980, dated August 10, 1886.

Application filed June 1, 1886. Serial No. 203,734. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM H. BAYNARD, of the city of Baltimore and State of Maryland, have invented certain new and useful Improvements in Safe-Doors, of which the following is a full, clear, and accurate description, reference being had to the accompanying drawings, in which similar letters of reference indicate similar parts.

Figure 1 is a perspective elevation of my improved safe-door, showing one side of the door open, and the other closed and locked on the mullion. Fig. 2 is a sectional plan view of the door, showing mullion in position to close door, and in dotted lines the position of mullion when pushed to one side. Fig. 3 is an interior elevation of the safe opening and door, showing one door partly open and the other locked on mullion. Fig. 4 is a vertical section of safe-aperture, with side elevation of mullion, showing method of mounting the same. Fig. 5 is a front elevation of the mullion, showing feet and rollers.

My invention relates to doors for safe-deposit vaults or other large safes; and it consists of the arrangement of a mullion or post in the center of the aperture, upon which each door may be locked independently with an independent combination, so as to provide two separate and independent means of entering a vault through the same aperture, thus obviating the necessity of making two apertures to avoid lock-outs.

Another feature of my invention consists in mounting the mullion on which the doors are locked upon rollers, so that when the doors are opened it can be moved to one side and leave the aperture unobstructed.

Heretofore it has been customary in making safe-deposit-vault doors to construct them, if double, so that one door would lock upon the other. A combination was provided for one of the doors only, and when this one was opened the other could be by simply throwing back the bolts. If the door was single, the ordinary form of combination and bolts was used.

However perfectly the locks of vault-doors may be made they will sometimes get out of order, and if they do so when the vault is closed great difficulty is encountered in getting into the vault, to say nothing of the ex-

pense and injury to the doors in getting them open and the great obstruction of business by preventing depositors from getting at their securities. To obviate all these difficulties the most modern vaults have been constructed with two openings, so that if one door could not be opened the other might, and when once on the inside the combination which was out of order might be removed and repaired without injury to the doors or obstruction of business.

The making of two openings in a vault and two sets of doors often entails additional cost of several thousand dollars, and it is to obviate this expense that my invention is devised. By it I accomplish all the results of two openings with scarcely any additional cost in the original construction.

In the drawings, A represents the frame of the vault-aperture; B B', the double doors, hinged to the frame at D.

C is the mullion or central post, provided with lateral extensions *ee* at the top, on which are mounted the rollers *ff*, which rest upon the track *g*, and serve to partially support the weight of the mullion and guide its motion. The mullion is provided at the bottom with two lateral extensions or feet, *h h*—one much longer than the other, so as to give a more permanent bearing for the mullion. In these extensions or feet are mounted wheels *ii*, which rest and run upon the track *j*, and support the weight of the mullion.

When the doors are closed the mullion is in the center of the aperture, and each door is closed upon it, and the bolts shot into the holes K K, which are provided for them. Each door is provided with an independent combination and lock, and, when closed, may be locked upon the mullion independently without relation to one another. So when the door is to be opened each door is opened independently, and if one of the combinations happens to be out of order the other door may be opened and the combination of the one out of order removed from the rear.

When both doors are open the mullion will stand, as shown in Fig. 2, in the center of the aperture. This forms an objectionable obstacle. To obviate this difficulty, I have mounted the mullion on rollers on a track, as described, so that it can be moved to one side



and stand out of the way. The lateral extensions or feet of the mullion, being below the level of the frame of the door, will not be in the way of entrance.

5 The mullion C is provided with a spring-catch, *l*, and handle *n* on the inside, the catch-sockets in socket *m* sunk in the frame of door. This catch is provided for the purpose of holding the mullion in place in the center of the  
10 aperture, or at the side when so placed, and can be withdrawn from the socket by handle *n* when it is desired to move the mullion.

Having thus described my invention, what I claim, and desire to secure by Letters Patent,  
15 is—

1. In a safe-door, a movable mullion located between the two doors, in combination with said doors, each of which is provided with an independent lock and combination, and ar-  
20 ranged to be locked upon said mullion independently, as and for the purpose specified.

2. In a safe-door, a movable mullion located between the two doors, mounted upon rollers and arranged to be moved to one side when the doors are opened, in combination with said 25 doors, each of which is provided with an independent lock and combination, and arranged to be locked upon said mullion independently, as and for the purpose specified.

3. In a safe-door, the combination of a mov- 30 able mullion, C, with rollers *i i*, upon which it is mounted, and the track *j*, upon which the rollers rest and move, substantially as described.

4. In a safe-door, a movable mullion, C, pro- 35 vided with the catch *n*, in combination with the track *j* and rollers *i i*, as and for the purpose specified.

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Test:

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