

(No Model.)

F. T. CLADEK.

BOLT.

No. 374,451.

Patented Dec. 6, 1887.

Fig. 1.

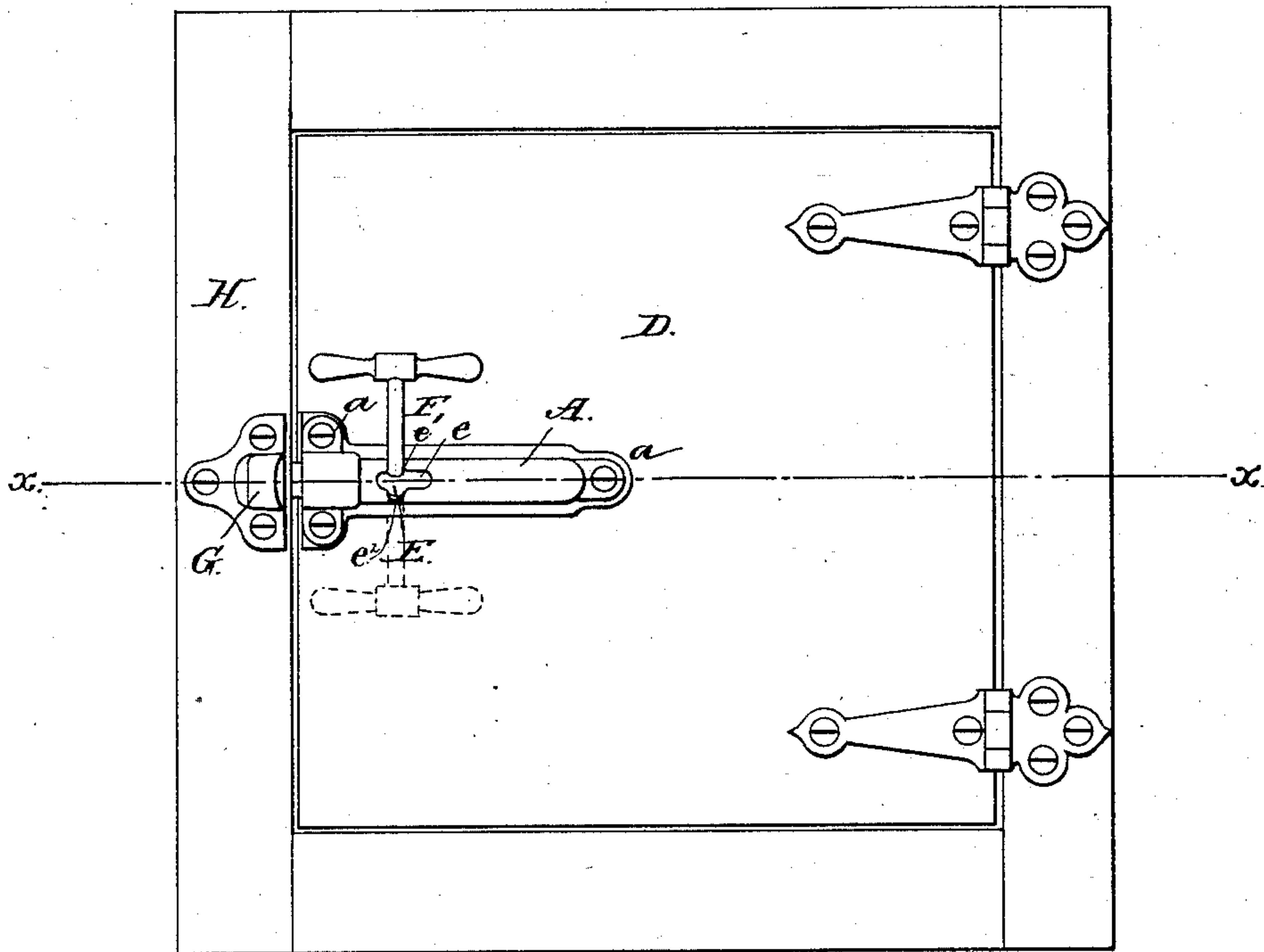


Fig. 2.

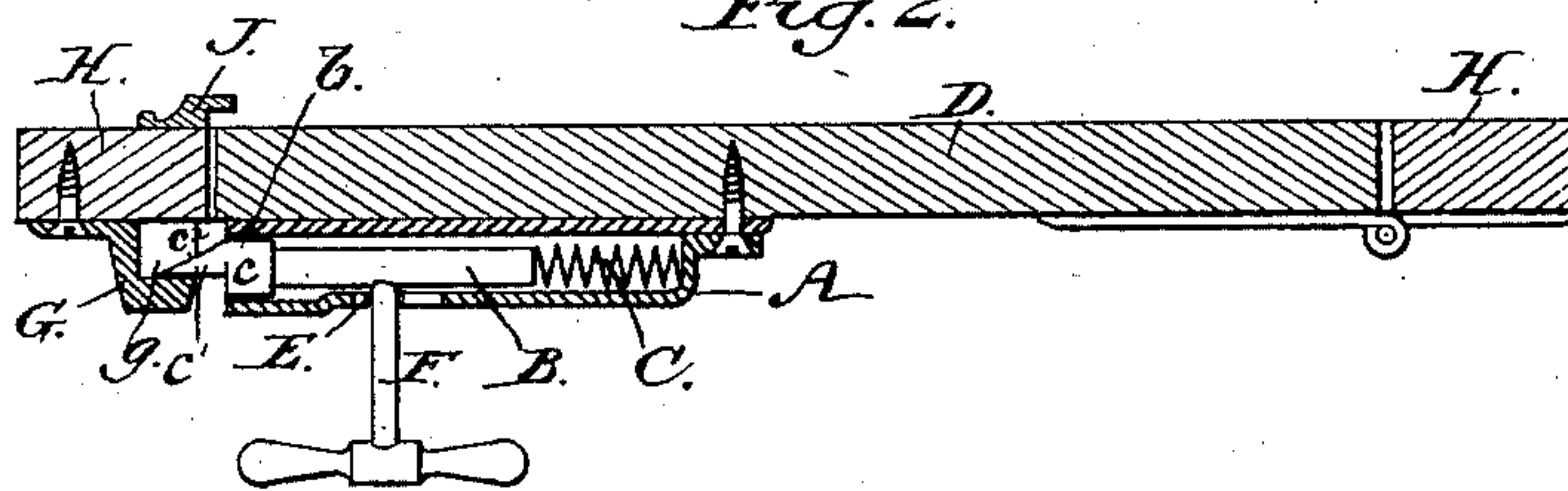
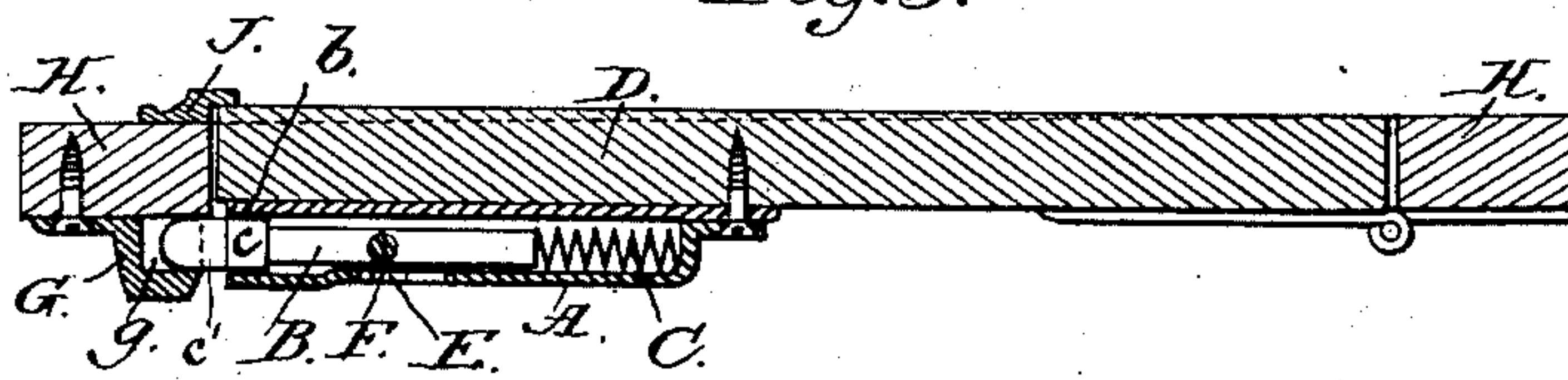


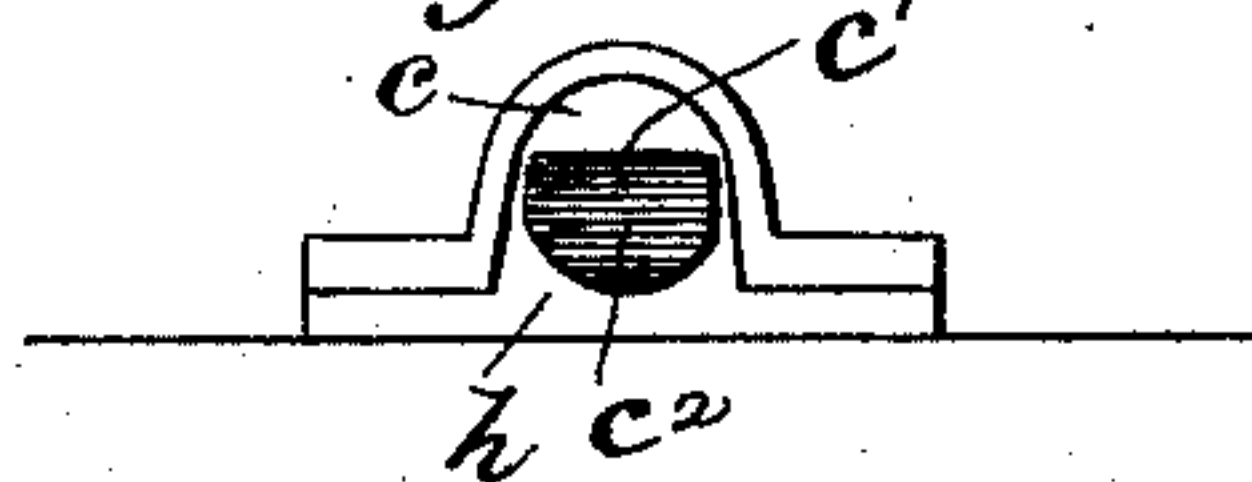
Fig. 3.



WITNESSES:

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Fig. 4.



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SPECIFICATION forming part of Letters Patent No. 374,451, dated December 6, 1887.

Application filed May 9, 1887. Serial No. 237,642. (No model.)

To all whom it may concern:

Be it known that I, FRANK T. CLADEK, of Rahway, in the county of Union and State of New Jersey, have invented a new and Improved Door-Fastener, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a front elevation of my new door-fastener applied to a door and door-frame. Fig. 2 is a sectional plan view taken on the line *x x* of Fig. 1. Fig. 3 is a similar view, showing the bolt turned to press the door inward; and Fig. 4 is an end view of the fastener.

The invention will first be described in connection with the drawings, and then pointed out in the claims.

A represents a casing for the bolt B, which is constantly pressed forward by the coiled spring C in said casing. The casing A is formed with lugs or projections *a a* for securing it to the door D, and in said casing is formed the opening E, through which the handle F of the bolt B projects. The opening E is elongated at *e* to permit the backward movement of the handle F for withdrawing the bolt from the keeper G, secured to the door-frame H. Said opening E is also formed with the side notches, *e' e''*, to permit the handle F to be turned up or down into either of said notches for locking the bolt in the keeper G, and for turning the head *b* of the bolt so that it will exert a pressure on the door and cam action in the keeper for closing the door tightly against the door-jamb J. The head *b* of the bolt is formed with the cylindrical portion *c*, which is formed with the projection *c'*, which is beveled at *c''* to facilitate closing the door. The beveled projection *c'* in one direction—viz., the direction of the length of the handle F—is of less thickness than the cylindrical partition *c* of the head, while in the opposite direction said projection is the full width of the diameter of the cylindrical portion of the bolt. When the handle F stands at right angles to the door, the flat surface of the projection *c'* will face outward, and in this position will hold the door D and

door-frame H flush with each other, as shown in Fig. 2; but when the handle F is turned up, as shown in Fig. 1, or downward, as shown in dotted lines in said figure, the projection *c'* will stand edgewise in the keeper G, and thus cause the cylindrical portion *c'* to press the door inward in full contact with the cleat J, as shown clearly in Fig. 3.

The cavity *g* in the keeper G is of the same depth as the diameter of the head *b* of the bolt B, and a saddle piece or support, *h*, placed back of the cylindrical portion of the bolt B, so that when the bolt is turned the said head will have a cam action upon the said saddle-piece and thus force the door inward, as above described, and as shown in Fig. 3.

My invention is applicable more particularly to refrigerator, ice-house, and other doors where it is desirable to close the door very tightly, and where a cheap fastener is desirable, and is applicable to both right and left hand doors.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

1. The casing A and keeper G, in combination with the bolt B, formed with the cylindrical portion *c*, and the beveled projection *c'*, whose flat surface is on a line with the diameter of the cylindrical portion *c*, whereby the latter may act, upon turning the bolt, as an eccentric for tightly closing the door, substantially as described.

2. The casing A, formed with the opening E, having the elongations *e* and side notches, *e'*, in combination with the bolt B, formed with the cylindrical portion *c*, and beveled projection *c'*, formed wholly at one side of the center of the cylindrical portion *c*, substantially as and for the purposes set forth.

3. The casing A, keeper G, and saddle-piece *h*, placed next to the door, in combination with the rotary bolt B, formed with the cylindrical portion *c*, and projection *c'*, having a flat surface in line with the diameter with the cylindrical portion *c*, substantially as described.

FRANK T. CLADEK.

Witnesses:

GEORGE B. CLADEK,
ADOLPH BARTHOLOMEY.