

No. 677,713.

Patented July 2, 1901.

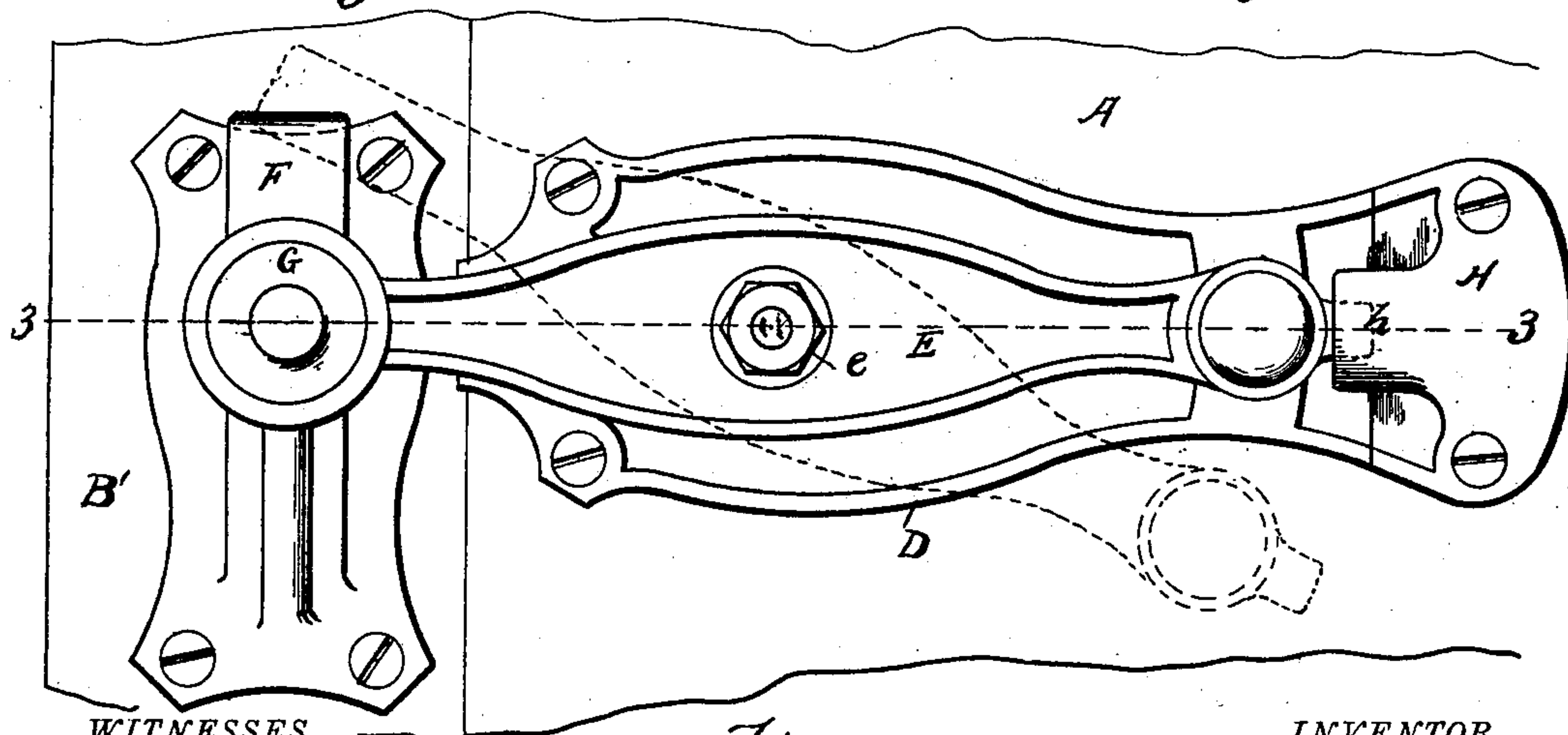
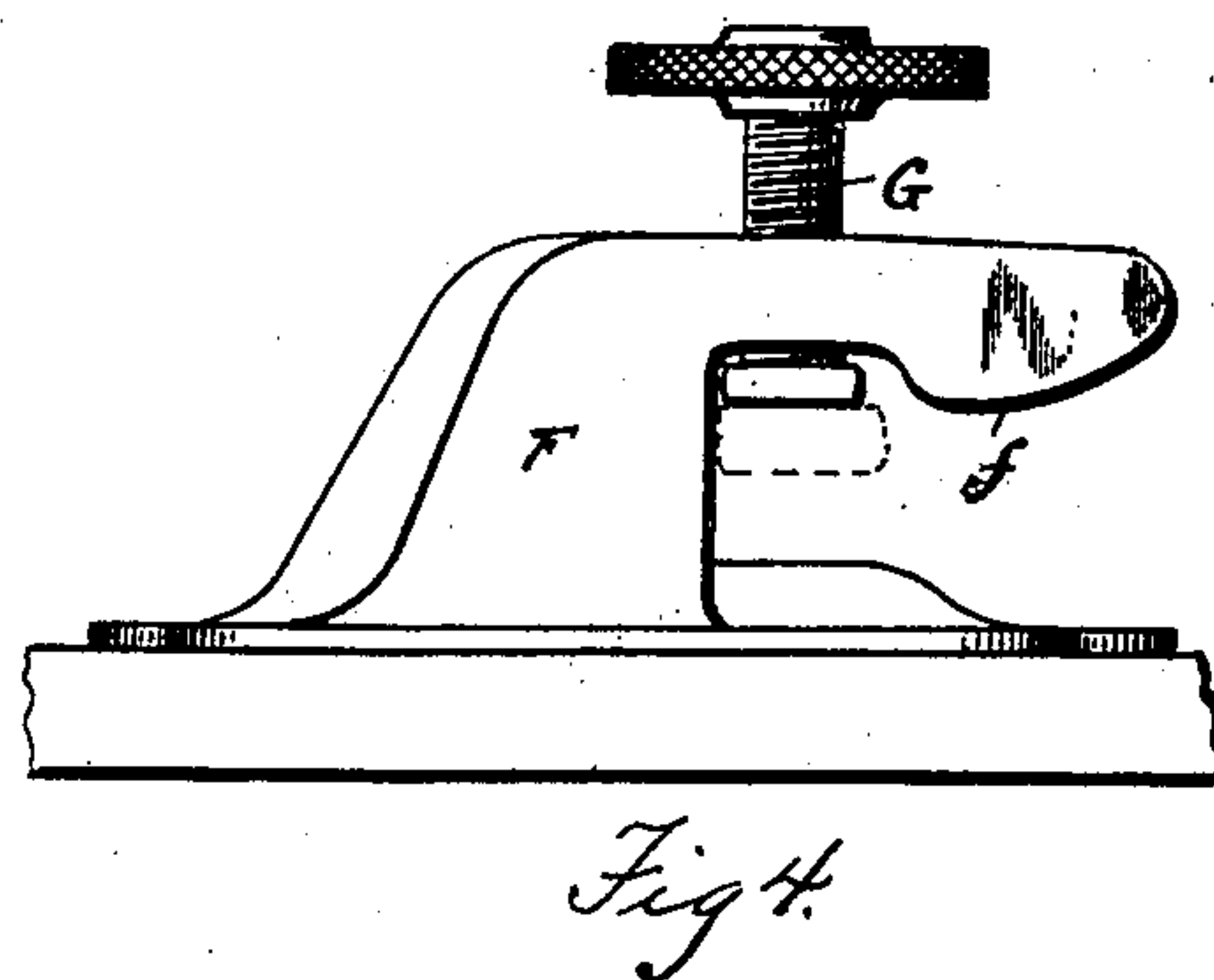
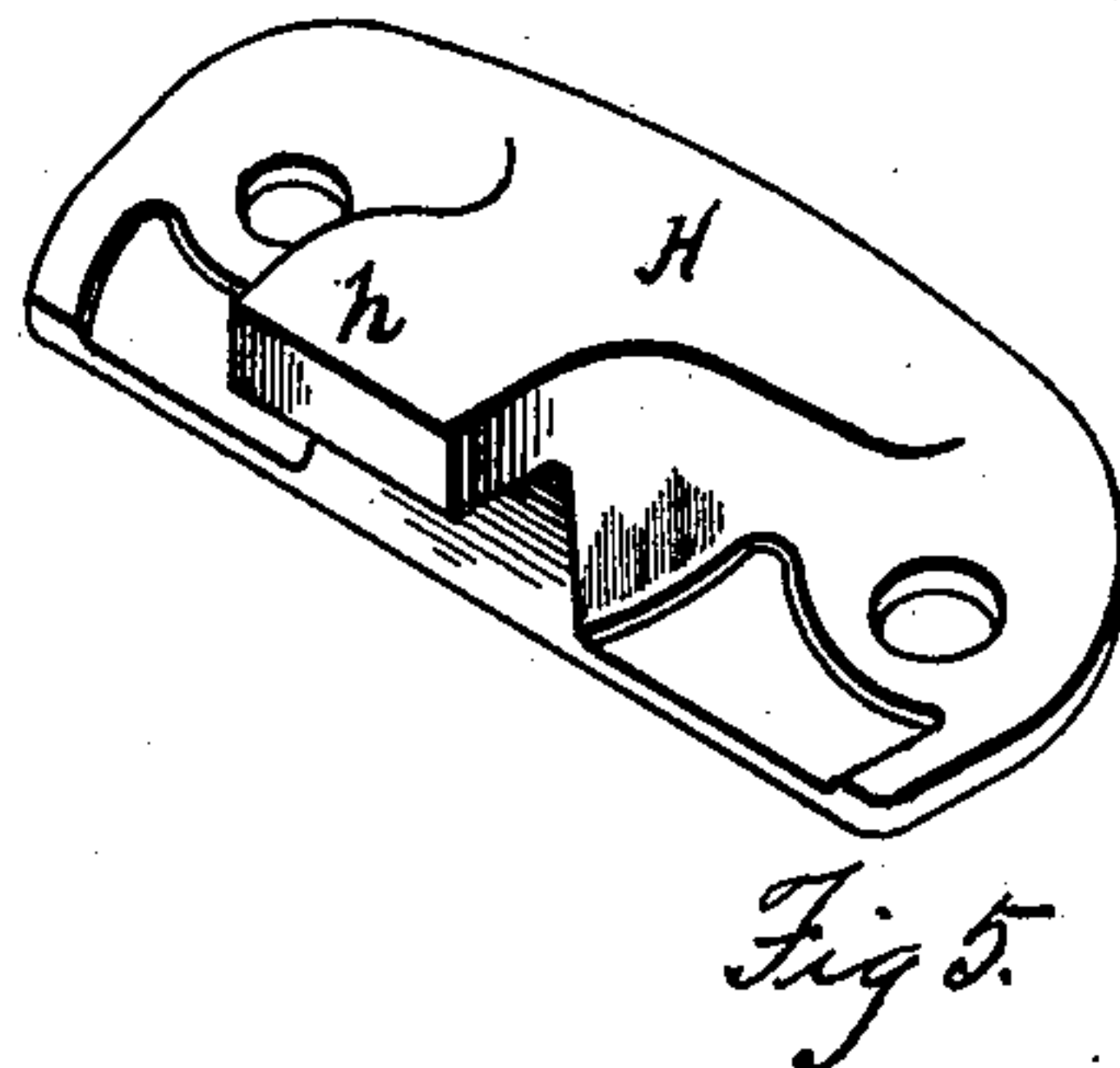
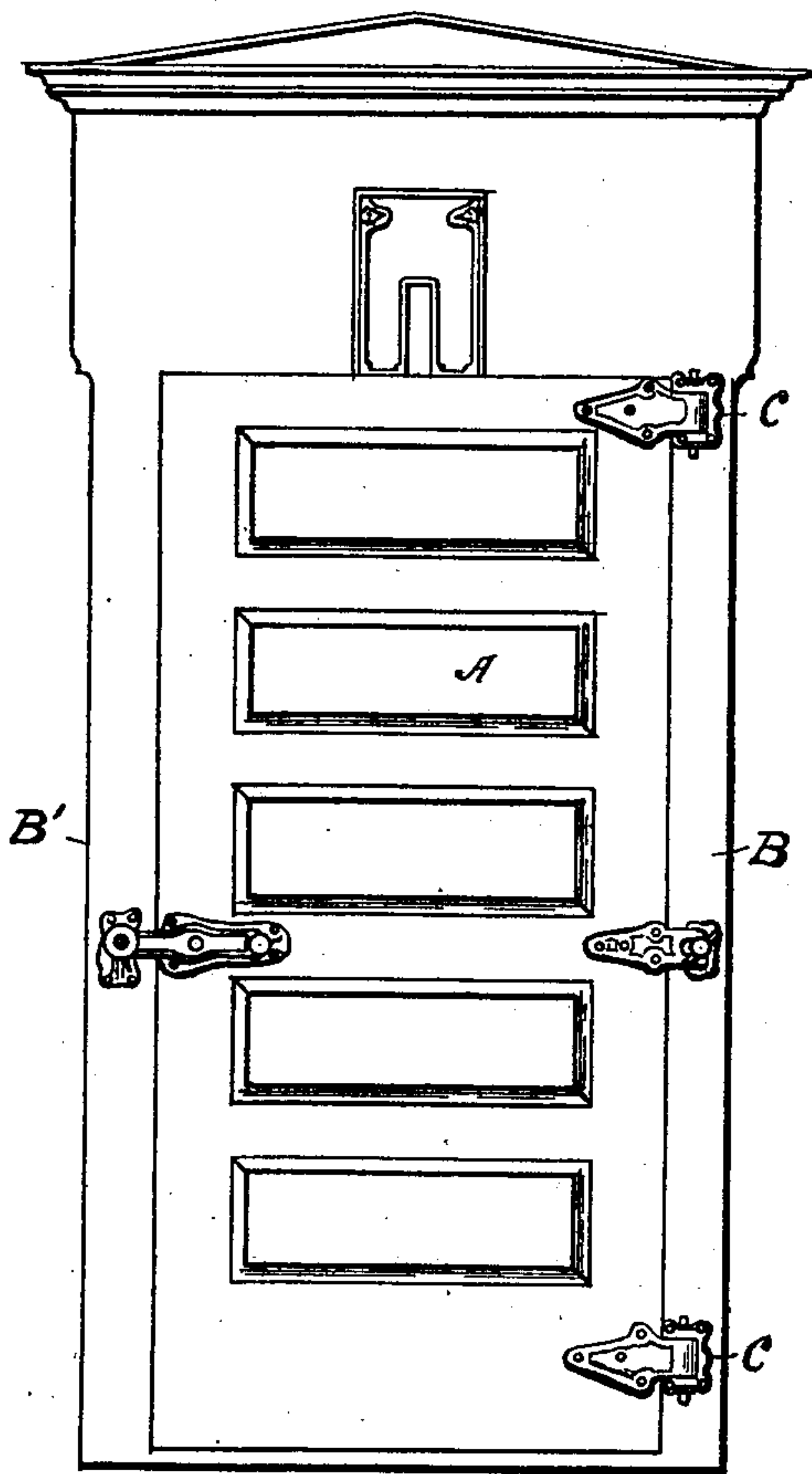
B. A. STEVENS.

LATCH.

(Application filed Jan. 11, 1901.)

(No Model.)

2 Sheets—Sheet 1.



WITNESSES.

Nat Massey
May E. Kott.

INVENTOR.

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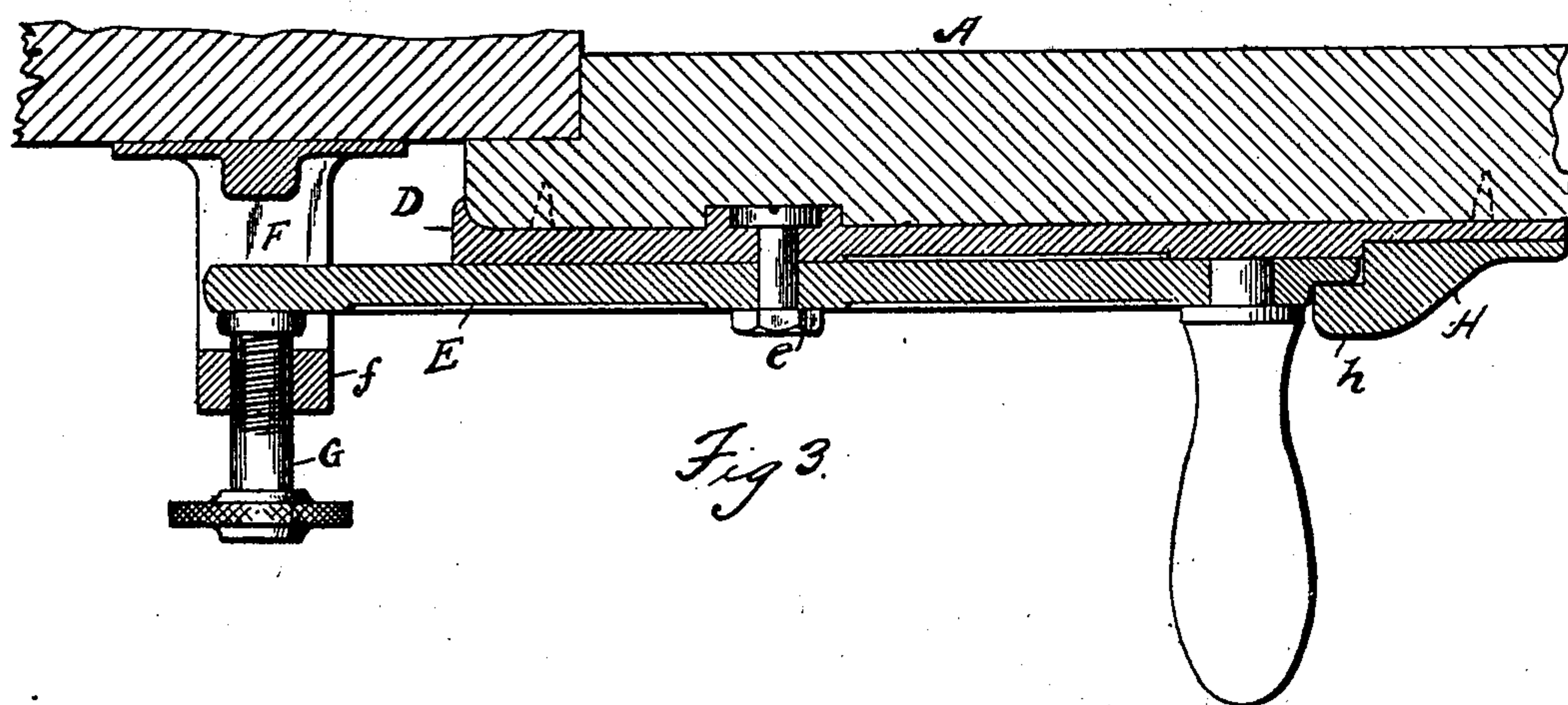


Fig 3.

WITNESSES

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UNITED STATES PATENT OFFICE.

BENJAMIN A. STEVENS, OF TOLEDO, OHIO.

LATCH.

SPECIFICATION forming part of Letters Patent No. 677,713, dated July 2, 1901.

Application filed January 11, 1901. Serial No. 42,844. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN A. STEVENS, a citizen of the United States, residing at Toledo, county of Lucas, State of Ohio, have
5 invented a certain new and useful Improvement in Latches; and I declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and
10 use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to latches for refrigerator-doors; and it consists in the improvements hereinafter described, and pointed out in the claims. I attain this object in the device illustrated in the accompanying drawings, in which—

Figure 1 is an elevation of a refrigerator-door embodying my invention. Fig. 2 is an elevation of the catch which holds the edge of the door which is opposite the hinges. Fig. 3 is a section on the line 3 3 of Fig. 2. Fig. 4 is an elevation looking from the left of Fig. 2. Fig. 5 is a detail perspective of the part which projects over the latch-bar at its inner end when the door is latched.

The same letter refers to the same part in the several views.

30 A is the door.

B is the vertical part or upright of the door frame or casing which is next to the hinges, and B' is the other upright of said frame.

C C are the hinges.

35 The door overlaps and closes flush against the outer surface of the frame.

The latch which holds the door tight at its edge adjacent to the upright B' of the casing is described as follows, especial reference being made to Figs. 2, 3, and 4.

D is a plate secured to the door A near its edge adjacent to the upright B'.

45 E is a latch pivoted upon a bolt *e*, secured to the plate D near its center. The latch E is adapted to swing in a plane parallel to that of the door.

F is a hook secured to the upright B' of the frame. The overhanging portion of the hook F is provided with a lug *f*, projecting inward
50 from it.

G is a set-screw or threaded bolt engaging with threads in an aperture formed through the overhanging portion of the hook C inside of the lug *f*. When the latch E is in the position shown in dotted lines, Fig. 2, it will

pass freely by said hook when the door is closed.

H is a piece provided with an overhanging portion *h* and adapted to be secured at the inner end of the plate D by screws passing
60 through holes in said piece and plate. When the latch E is turned to its horizontal position, as shown in Fig. 2, its outer end engages under the horizontal portion of the hook F in front of the screw G and engages also
65 at its inner end under the overhanging portion *h* of the piece H. The screw G is now turned, forcing its end against the latch E, and thereby forcing the door A tightly against the upright B'. The object of the piece H is
70 to prevent much tilting motion of the latch in reference to the door when its outer end is pressed upon by the screw G.

What I claim is—

1. The combination of a door, a casing
75 therefor, a latch pivoted upon the door or casing, a hook or catch upon the casing or door arranged to engage said latch, a screw-threaded bolt bearing in the overhanging portion of said hook, and arranged to engage against
80 said latch after said latch has engaged said hook, substantially as described.

2. The combination of a door, a casing therefor, a latch pivoted upon the door or casing so as to swing in a plane parallel thereto, a
85 hook or catch upon the casing or door arranged to engage said latch, a screw-threaded bolt having a bearing attached to said casing and arranged to engage against said latch, and an overhanging piece upon the door or casing
90 adapted to engage the inner end of said latch, substantially as described.

3. The combination of a door, a casing therefor, a latch pivoted upon the door or casing so as to swing in a plane parallel thereto, 95 a hook or catch, upon the casing or door arranged to engage said latch, a screw-threaded bolt bearing in the overhanging portion of said hook and arranged to engage against said latch said overhanging portion being
100 provided with a raised portion on its inner side between the bolt and the end of the hook, substantially as described.

In testimony whereof I sign this specification in the presence of two witnesses.

BENJAMIN A. STEVENS.

Witnesses:

ROY R. STUART,
MABEL CATHCART.