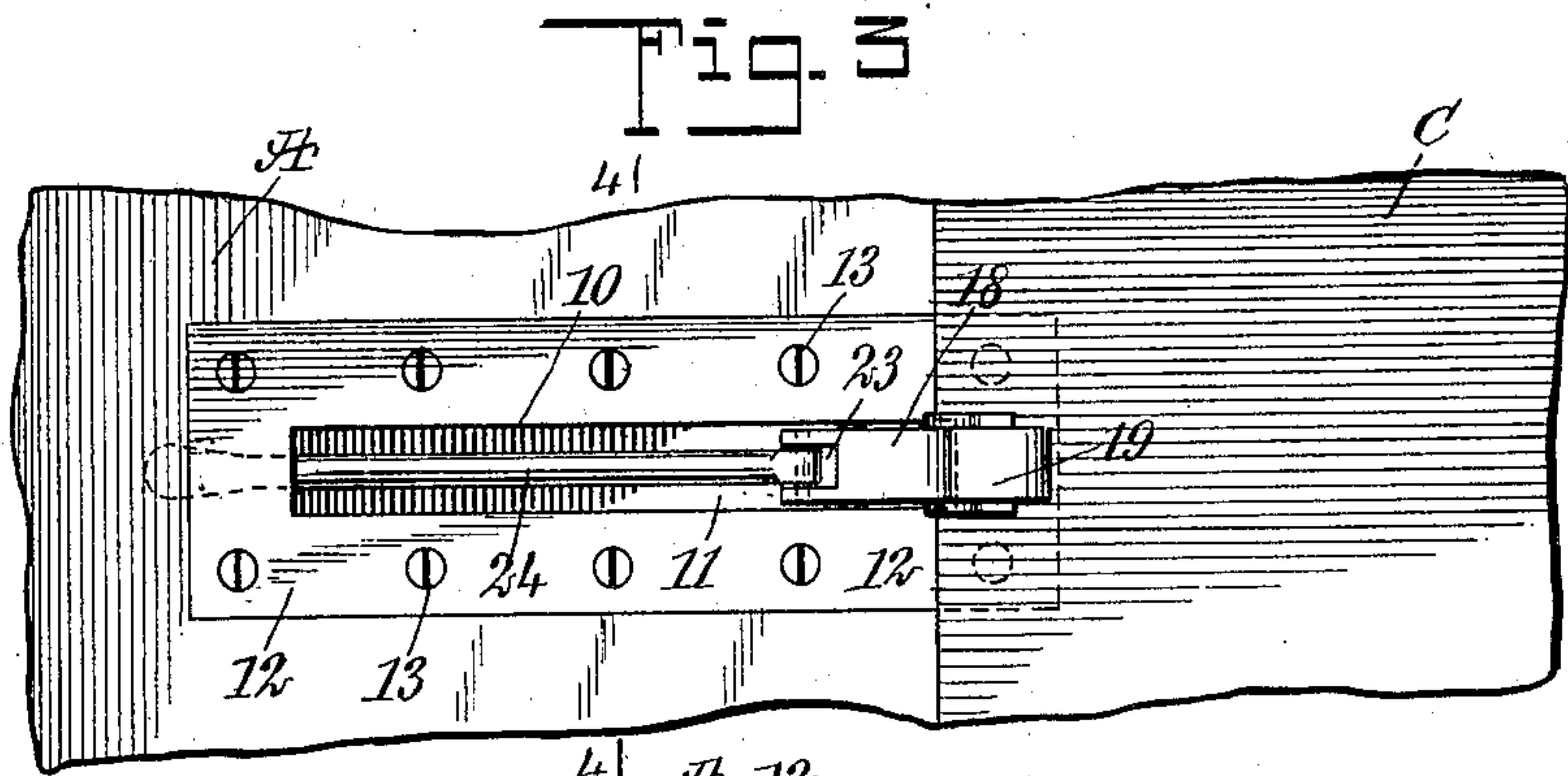
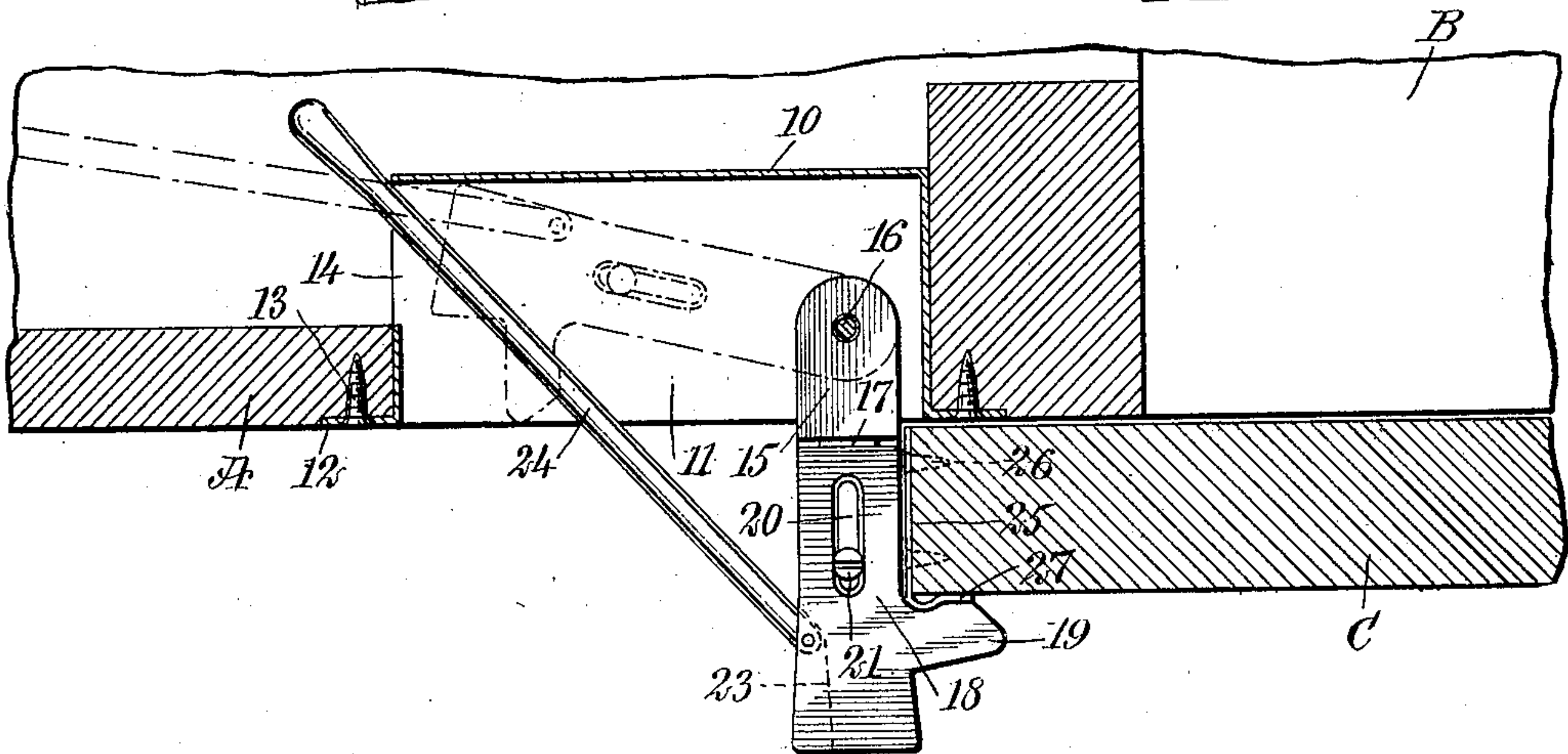
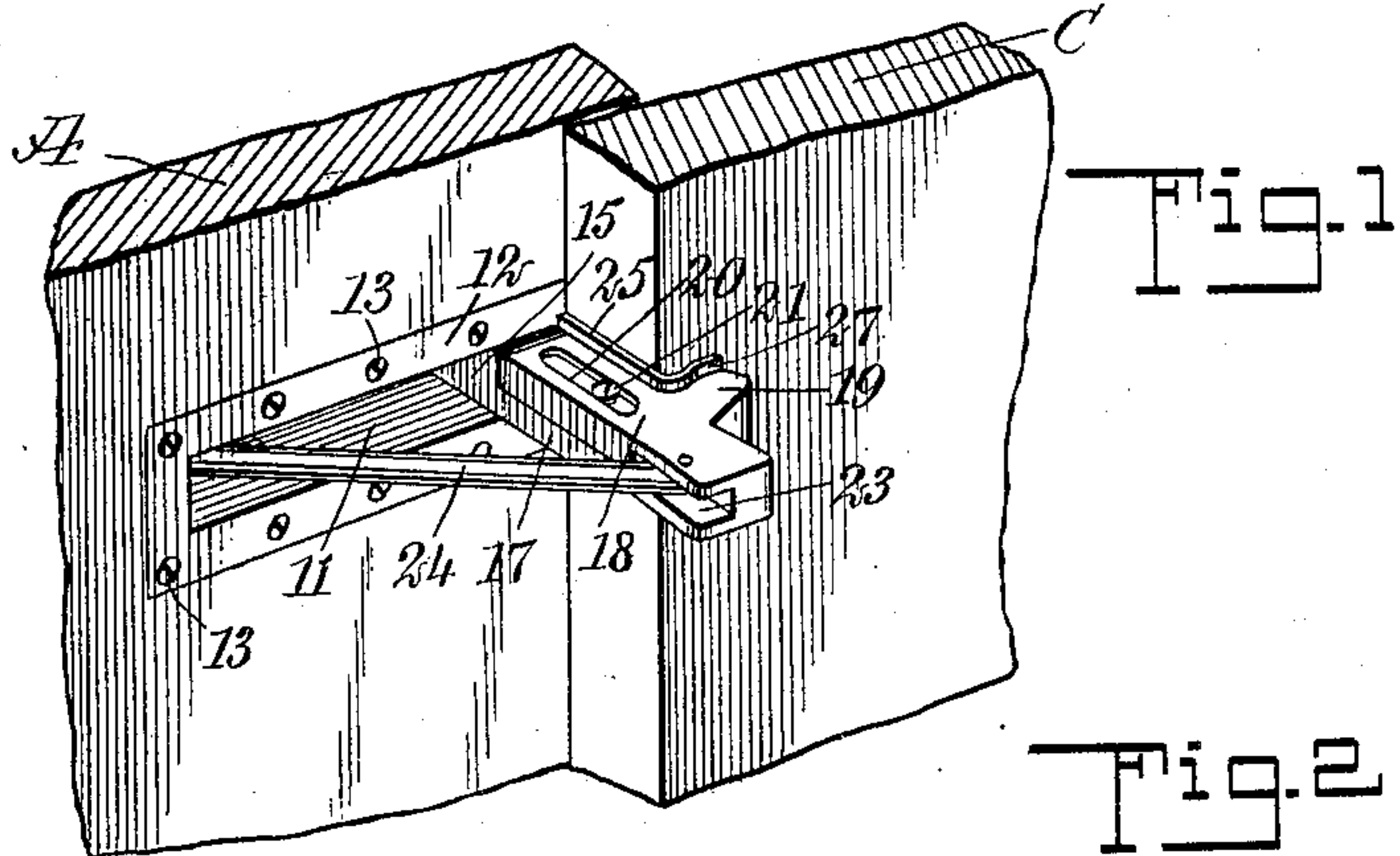


No. 897,105.

PATENTED AUG. 25, 1908.

G. M. INGEBO.
SLIDING DOOR FASTENER.
APPLICATION FILED MAR. 11, 1908.



WITNESSES
J. A. Brophy
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Fig. 4
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UNITED STATES PATENT OFFICE.

GEORGE MELVEN INGEBØ, OF VEBLEN, SOUTH DAKOTA.

SLIDING-DOOR FASTENER.

No. 897,105.

Specification of Letters Patent.

Patented Aug. 25, 1908.

Application filed March 11, 1908. Serial No. 420,441.

To all whom it may concern:

Be it known that I, GEORGE M. INGEBØ, a citizen of the United States, and a resident of Veblen, in the county of Marshall and State of South Dakota, have invented a new and Improved Sliding-Door Fastener, of which the following is a full, clear, and exact description.

This invention relates to door hooks, and more particularly to fasteners operable from both sides of the wall in which the door-way is formed, and serving to engage a rolling or sliding door intermediate the top and bottom thereof to hold it against the door-frame.

An object of the invention is to provide a simple, strong and inexpensive fastener for use with sliding or rolling doors and the like, which is extensible to permit its adjustment for use with doors of different thicknesses, and which is operable from both the outside and inside of the wall in which the door-way is located.

A further object of the invention is to provide a device of the class described, which serves to engage a rolling or sliding door intermediate the top and bottom thereof to hold the door firmly against the door frame to prevent the entrance of cold air, and at the same time to prevent the door from warping.

The invention consists in the construction and combination of parts to be more fully described hereinafter and particularly set forth in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views, and in which

Figure 1 is a perspective view showing a portion of a wall and a portion of a sliding door, with my invention applied thereto; Fig. 2 is an enlarged horizontal section showing the door hook engaging a door, and showing the parts in different positions in dotted outline; Fig. 3 is an elevation of the door hook, showing the same in engagement with the door; and Fig. 4 is a transverse section on the line 4—4 of Fig. 3.

Before proceeding to a more detailed explanation of my invention, it should be clearly understood that while the same is particularly useful in connection with sliding and rolling doors, it can also be advantageously employed in combination with other closures which move slidably in planes parallel to the planes of the openings which they

close. The door hook serves to hold the door firmly against the door frame, or a wall in which the door opening is formed. In this way the closure is rendered tight, and the entrance of wind, rain or snow, as for example in the case of barn doors, is obviated. Furthermore, when the door merely hangs or swings loosely at the opening, as is the case with barn doors, and the like, the doors easily become warped. By means of my door hook this is prevented to a large extent, as the door is held firmly in position intermediate the top and the bottom thereof and the wood is thus prevented from altering its normal shape owing to temperature or other changes.

Referring more particularly to the drawings, A represents a wall having formed therein a door opening B at which is arranged a sliding or rolling door C. Adjacent to the opening B the wall A has formed therein an opening in which is positioned a box 10, the recess 11 of which opens at the side of the wall A adjacent to the door C. The box 10 has laterally disposed flanges 12 seating against the wall, and having openings in which are arranged screws 13 by means of which the box is secured in position. It has an opening 14 at the side of the wall A remote from the door C and thus forms an unobstructed opening from one side of the wall to the other.

A hook body 15 is pivotally mounted in the box 10 by means of a suitable pin 16 and has a constricted portion 17 upon which is slidably mounted a suitably formed member 18. The latter has a nose 19 and constitutes the hook proper. It is provided with a slot 20 which is inwardly extended at the lower edge and receives the head of a set screw 21 located in a suitable opening of the hook body 17. The head of the screw 21 engages at the inwardly extended edge of the slot and serves adjustably to secure the member 18 to the hook body. Near the outer end, the member 18 has a recess 23 in which is pivoted a rod 24 which extends through the box 10 and the opening 14 to the other side of the wall A, where it can be operated.

The hook can be swung back into the box 10 to permit the door C to be slidably moved across the door opening. This hook can be moved to an inoperative position by means of the rod 24 from the side of the wall remote from the door C, or, by grasping the hook itself, from the same side of the wall A as the door. When the door is closed, the hook

can be forced into engagement with the edge thereof intermediate the top and bottom of the door, to hold the latter firmly against the door frame, as is shown most clearly in
5 Figs. 1 and 2. The door has a hook plate 25, secured in place by means of screws 26 or the like, and provided with a spring extension 27, bent about the edge of the door and arranged to be engaged by the nose 19 of the
10 hook. When the hook is so positioned, the door is securely held against the door frame and the spring extension 27 prevents the disengagement of the hook accidentally.

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

1. In combination, a retaining member adapted to be mounted upon a wall, and formed to engage a door intermediate the
20 top and bottom thereof, said member being operable from both sides of the wall and serving to hold the door against the wall, said member further being movable into an inoperative position to permit the door to
25 move freely therebeyond.

2. In combination, a hook adapted to be pivoted upon a wall and arranged to engage a sliding door intermediate the top and bottom thereof at an edge to force the door
30 against the wall; and means for operating

said hook from the side of the wall remote from the door, said hook being movable into an inoperative position to permit the door to slide along the wall.

3. In combination, a wall having a recess, 35 a door slidable with respect thereto, a hook pivoted in said recess and arranged to engage said door to force and clamp the same against said wall, and means for operating said hook from the side of said wall remote from said
40 door, said hook being movable into said recess to permit said door to slide freely.

4. In combination, a wall, a socket set into said wall and having openings at both sides of the wall, a hook pivoted in said socket and
45 movable out of the same at one side of the wall, a sliding door, said hook being formed to engage said door intermediate the top and bottom thereof to hold the same against said wall, and a rod pivoted to said hook and ex-
50 tending through one of said openings of said socket to the other side of said wall, said hook being extensible.

In testimony whereof I have signed my name to this specification in the presence of
55 two subscribing witnesses.

GEORGE MELVEN INGEBØ.

Witnesses:

G. HENRICKSSON,
HUBERT KUEHL.