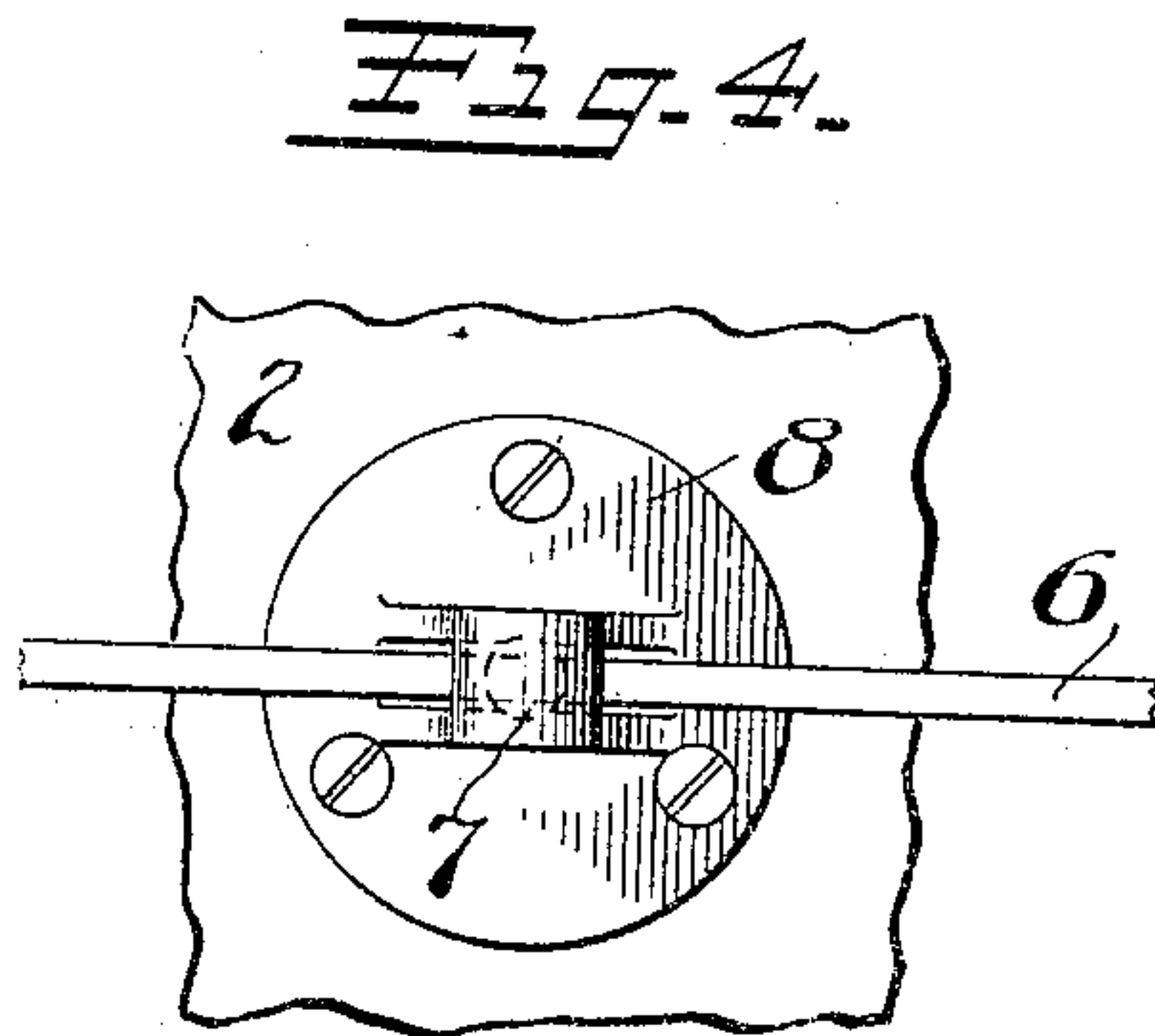
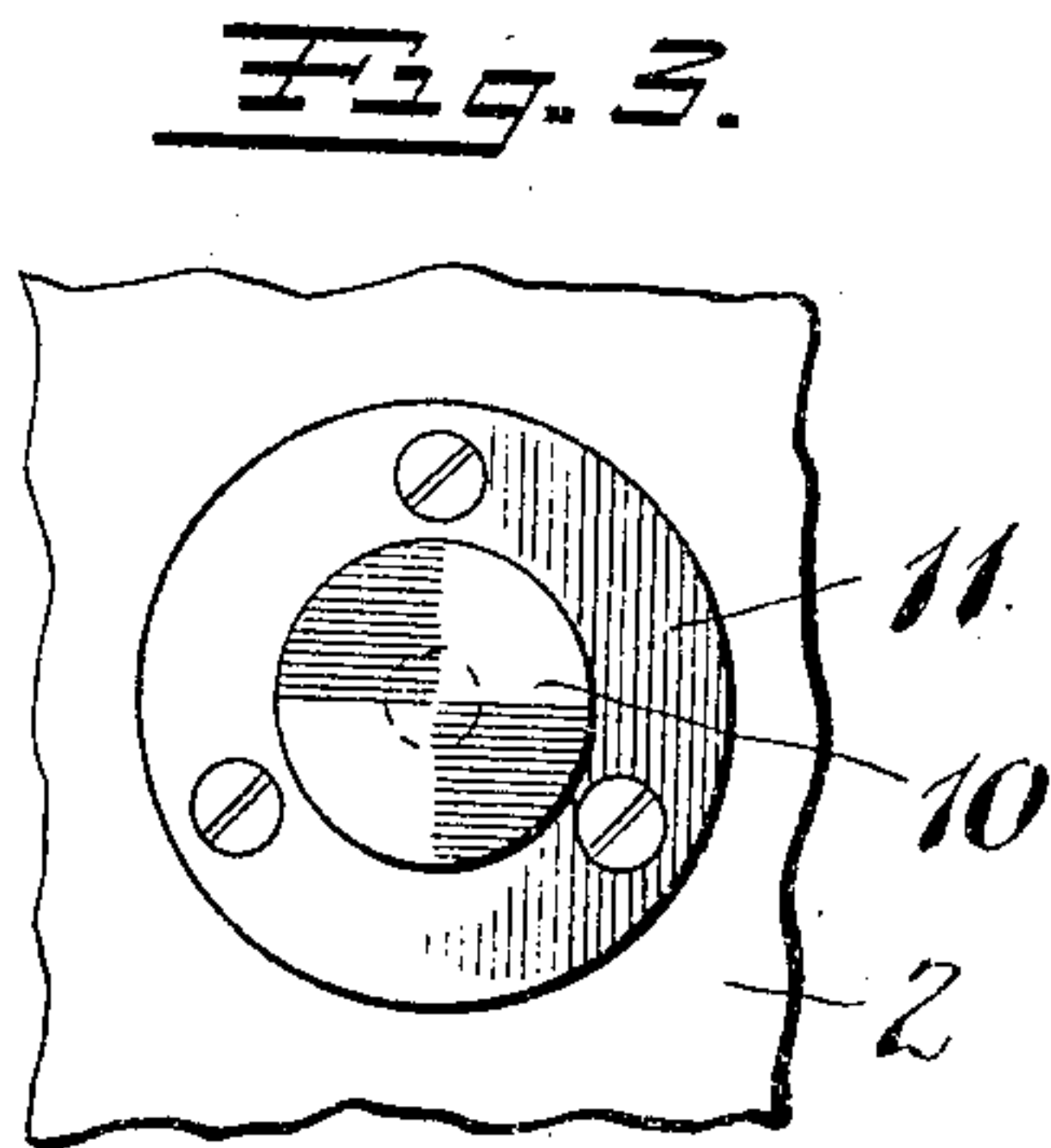
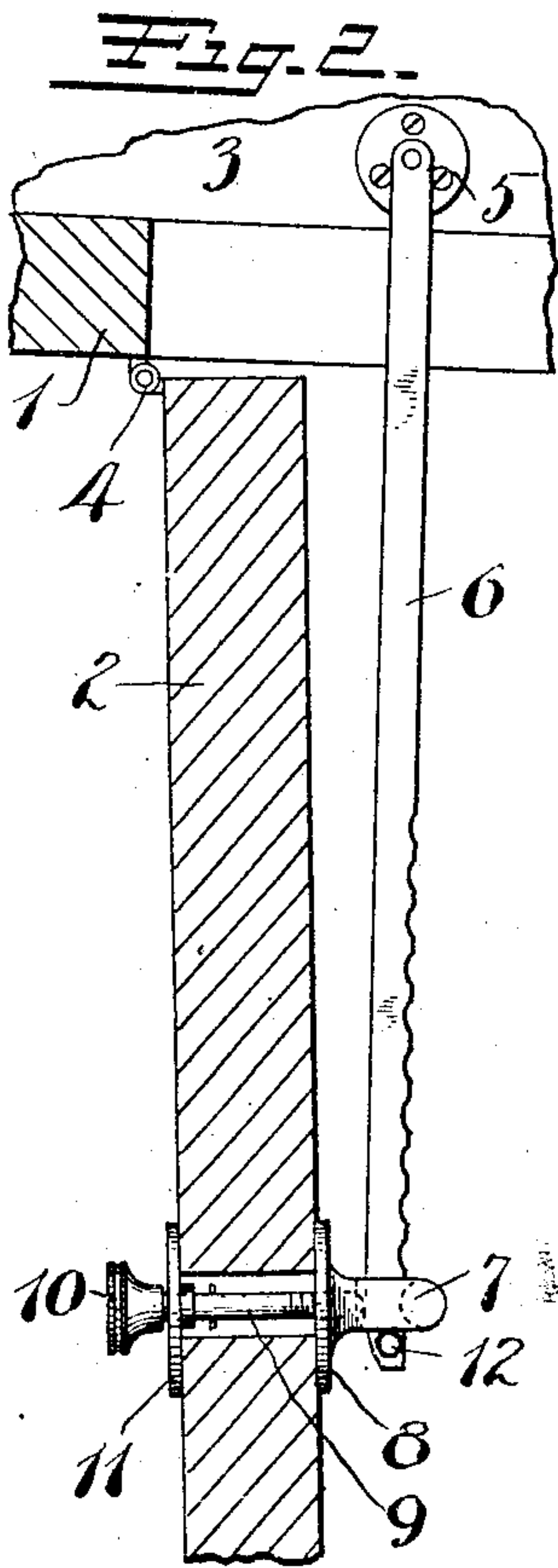
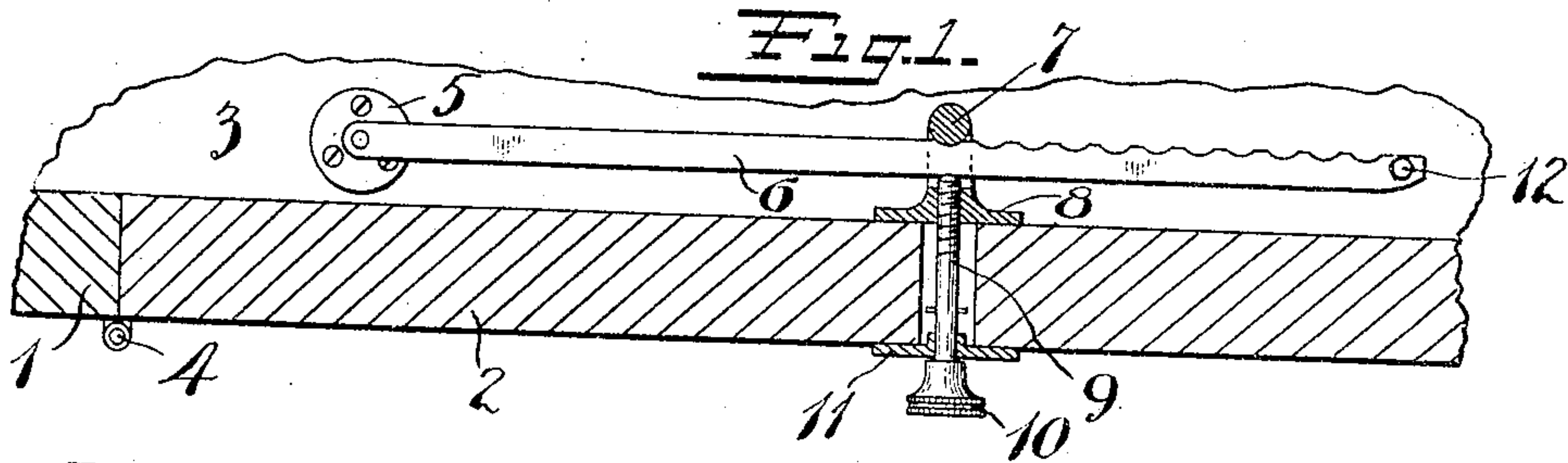


H. G. VOIGHT.
CASEMENT WINDOW ADJUSTING AND LOCKING MEANS.
APPLICATION FILED SEPT. 21, 1909.

952,056.

Patented Mar. 15, 1910.



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UNITED STATES PATENT OFFICE.

HENRY G. VOIGHT, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR TO RUSSELL & ERWIN MANUFACTURING COMPANY, OF NEW BRITAIN, CONNECTICUT, A CORPORATION OF CONNECTICUT.

CASEMENT-WINDOW ADJUSTING AND LOCKING MEANS.

952,056.

Specification of Letters Patent. Patented Mar. 15, 1910.

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To all whom it may concern:

Be it known that I, HENRY G. VOIGHT, a citizen of the United States, residing at New Britain, county of Hartford, State of Connecticut, have invented certain new and useful Improvements in Casement-Window Adjusting and Locking Means, of which the following is a full, clear, and exact description.

My invention relates to improvements in hardware and particularly to a so-called casement window adjusting and locking means.

In the accompanying drawings, Figure 1 is a plan view partly in section, of said adjusting means, the casement window being shown in section and closed; Fig. 2 is a similar view, said window being open; Figs. 3 and 4 are relatively enlarged detail views.

1 represents a part of a window casing.

2 represents a portion of the casement window.

3 represents a portion of the ledge outside of the window casing.

4 is a hinge for the window.

The window 2 is arranged to swing from the position shown in Fig. 1 to the position shown in Fig. 2 and my invention comprises a simple and effective means for shifting and locking said window 2 at any desired position of adjustment within and including the two extremes. This adjusting mechanism comprises a base-plate 5 securely mounted upon the window ledge outside of the window 2; also a rod 6 pivoted to said base 5, and also clamping means operable from the inner side of the window, whereby access may always be had to said parts for the purpose of opening or closing the window, or adjusting it in any desired position. This clamping means comprises a yoke or guide 7 having a suitable base 8 arranged to be secured to the outer side of the window 2; also a lock bolt 9 having a suitable handle 10 accessible at the inner side of the window and preferably passing through a suitable guide plate 11, furnishing at once not only a guide for the lock screw 9 but a finishing plate. The bolt 9 is preferably threaded in the base 8 of

the guide 7. The rod 6 passes through the slot of the guide 7 and directly in such a position relatively to the bolt 9 that by setting up or releasing the latter, the rod may be locked against sliding movement in the guide 7. It is preferable to provide notches in that edge of the rod 6 engaging either the part 7 or the end of the bolt 9. In the form shown, the notches are at that edge of the rod 6 arranged to bear against the part 7.

12 is a pin at the free end of the rod operating to limit the opening movement of the window 2.

As shown in Fig. 1, the window 2 is closed and locked since the bolt 9 is shown in a position in which it forces the rod 6 tightly against the guide 7. To open the window, the bolt 9 is released, freeing the rod 6. The window 2 may then be swung back, the rod 6 sliding through the slot in the guide 7. By setting up on the bolt 9, the rod may be clamped at any desired position of adjustment and wherever it is clamped, in that position it will hold the window against movement, since the centers upon which the window hinges and upon which the rod 6 swings, are remote from each other.

While I have referred to the locking part 9 as a bolt, obviously it is not essential that the locking movement of said bolt be secured by means of a screw-thread, although that form is preferable, since by that means heavy pressure, without the aid of a spring, may be brought to bear against the rod 6.

What I claim is:

1. A casement window adjusting and fastening mechanism comprising a rod arranged to be hinged externally of the window and to swing above the lower part of the window casing, a guide for the rod arranged to be carried by the window externally and above the lower edge thereof, a locking device cooperating with said guide for holding said rod against movement therein, said rod having a plurality of notches toward its free end and in one edge thereof.

2. A casement window adjusting and fastening mechanism comprising a rod ar-

ranged to be hinged at one end only and externally of the window, a guide for the rod arranged to be carried by the window externally thereof, a locking device cooperating with said guide for holding said rod against movement therein, said rod having a plurality of notches toward its free end

and at its outer edge said locking device being movable depthwise of said notches.

HENRY G. VOIGHT.

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