

No. 702,806.

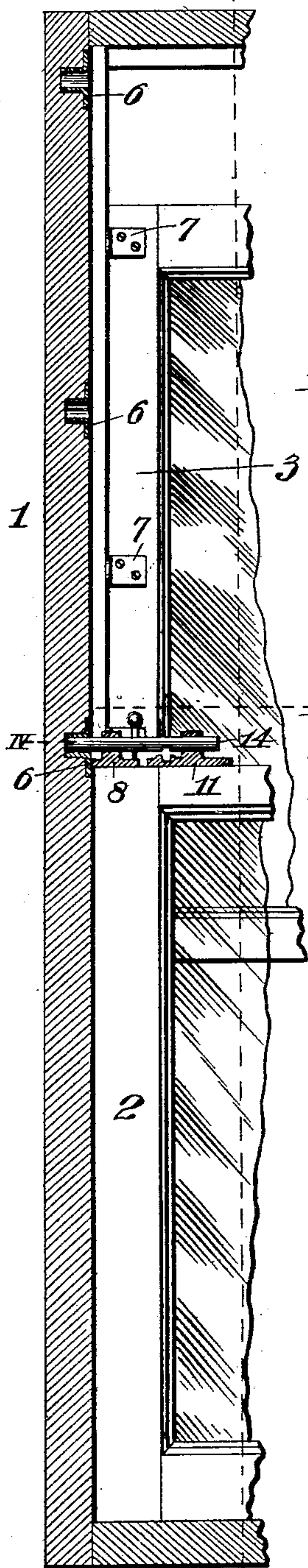
Patented June 17, 1902.

R. D. LOGAN.
SASH FASTENER.

(Application filed Oct. 30, 1901.)

(No Model.)

Fig. I.



Attest:
W. Smith
E. A. Krieger

Fig. II.

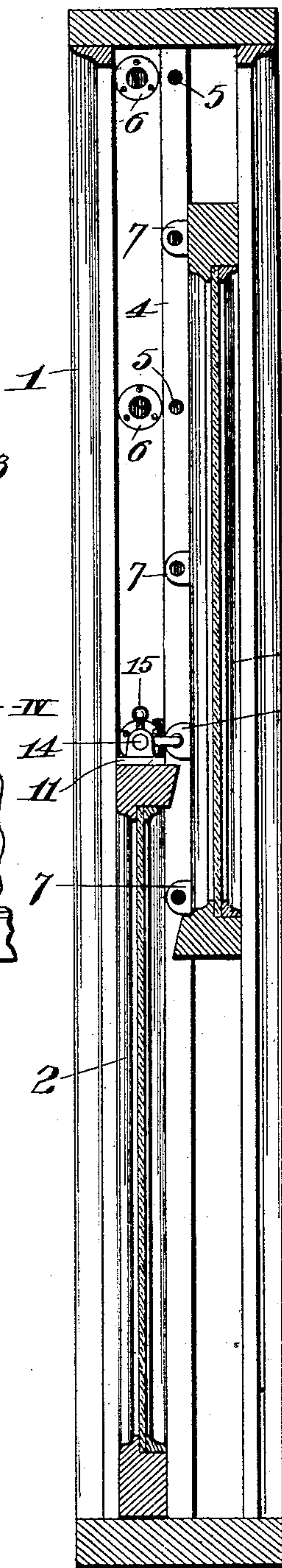


Fig. III.

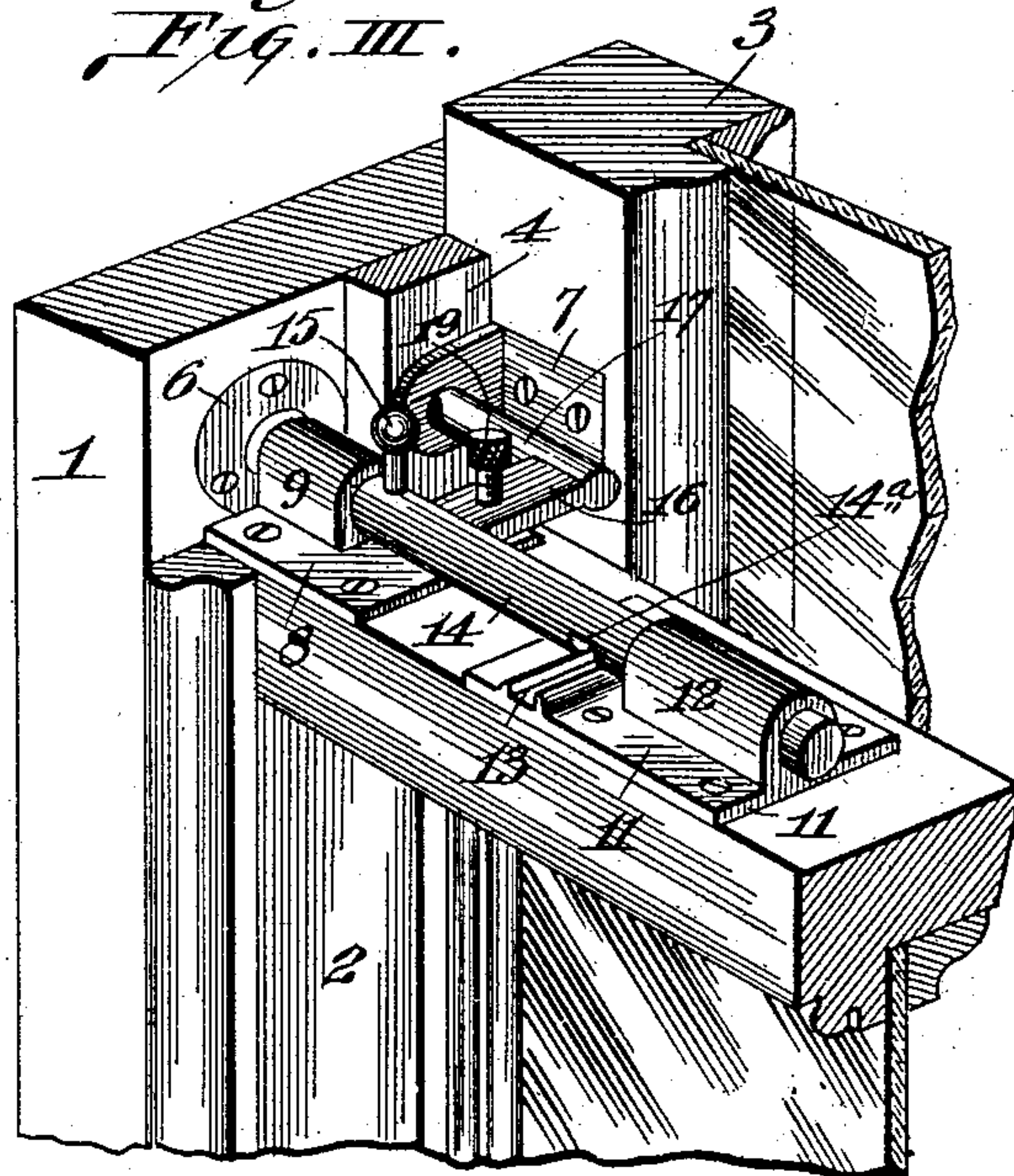


Fig. IV.

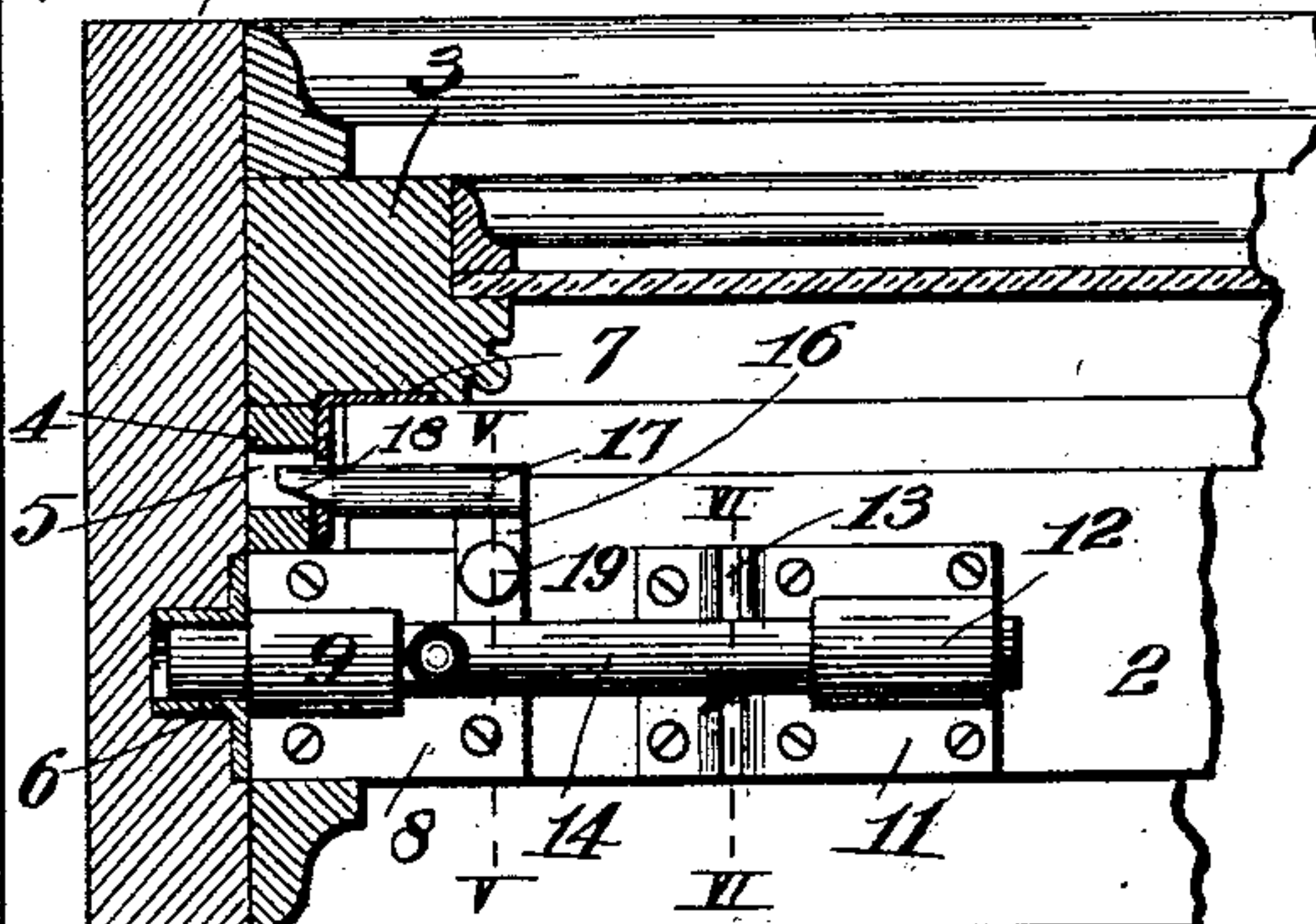


Fig. V.

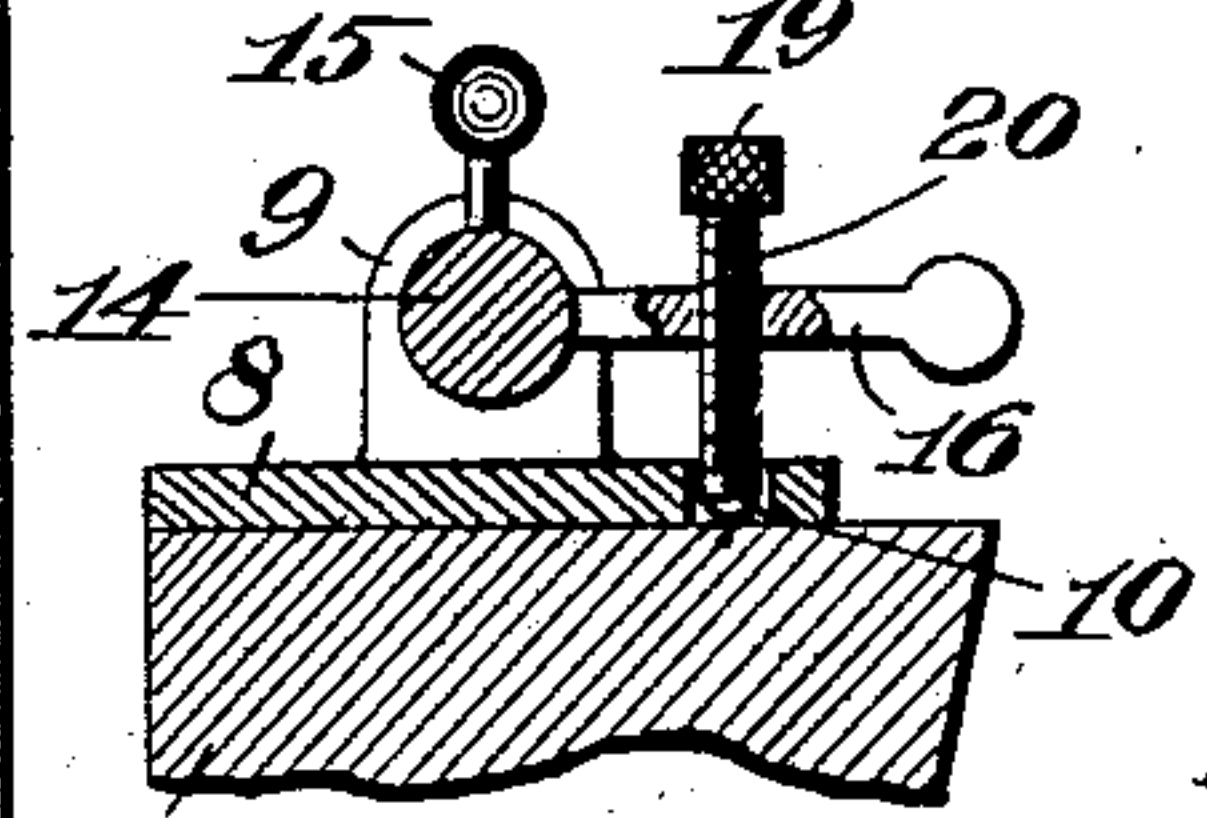


Fig. VI.

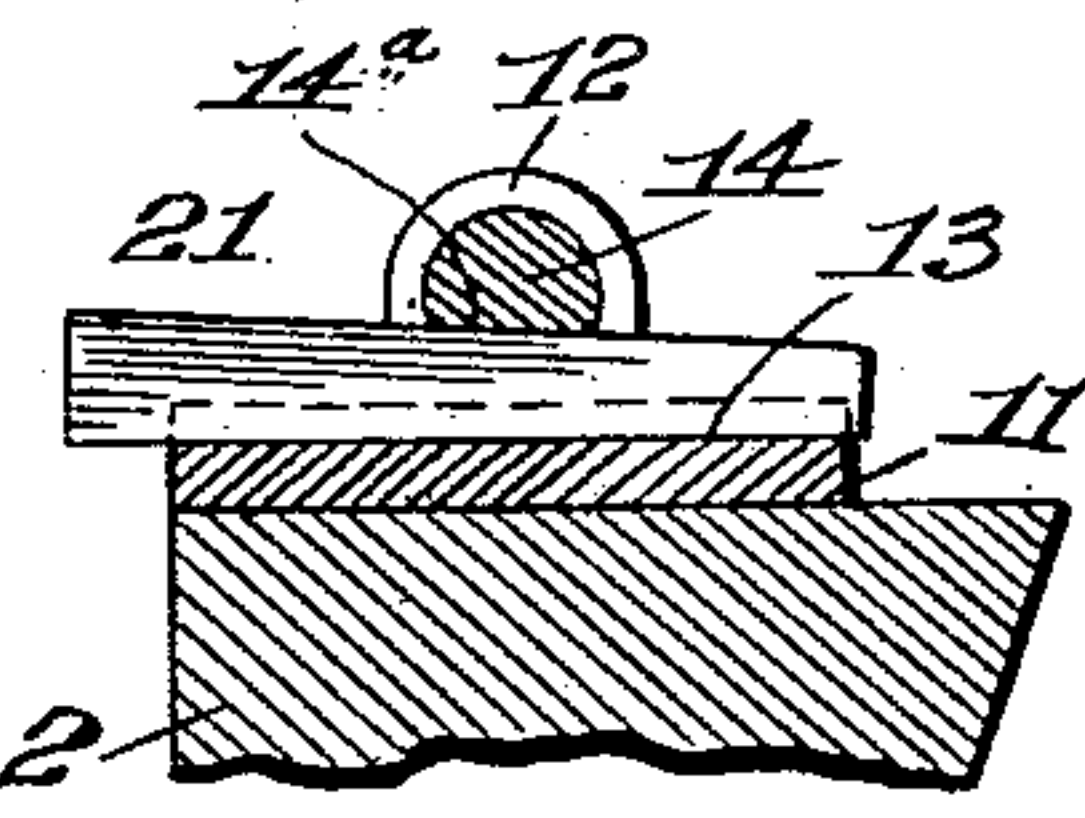
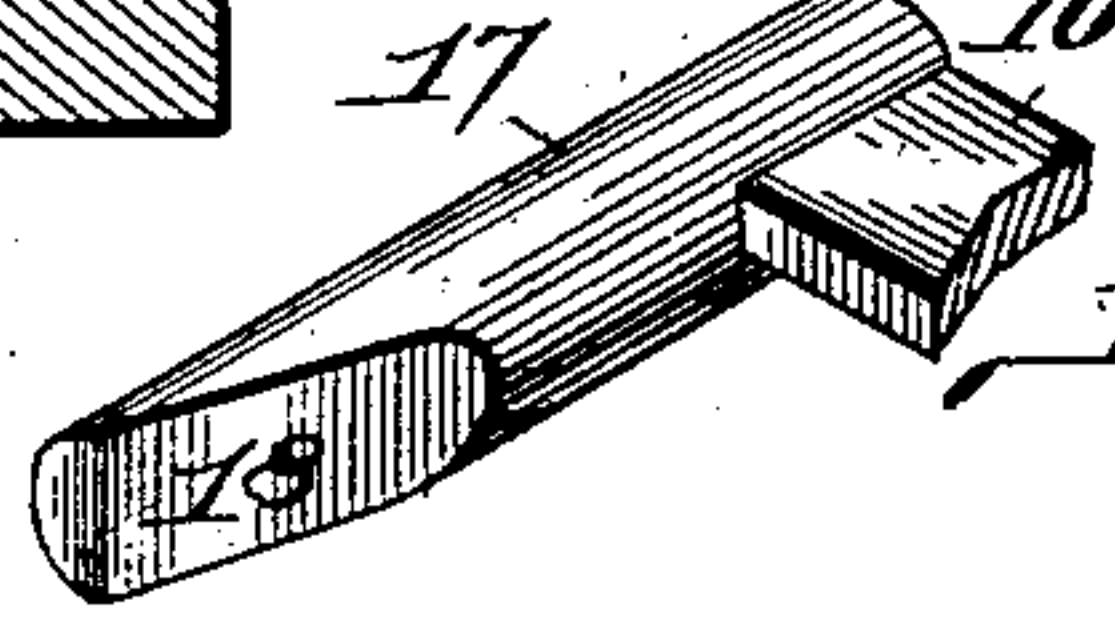


Fig. VII.



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UNITED STATES PATENT OFFICE.

RICHARD D. LOGAN, OF ST. LOUIS, MISSOURI.

SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 702,806, dated June 17, 1902.

Application filed October 30, 1901. Serial No. 80,482. (No model.)

To all whom it may concern:

Be it known that I, RICHARD D. LOGAN, a citizen of the United States, residing in the city of St. Louis, in the State of Missouri, have
5 invented certain new and useful Improvements in Sash-Fasteners, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

10 My invention relates to that class of sash-fastener adapted for use both in holding the pair of sash of a window in closed position and in partially-open position for ventilation. The fastener is so constructed as to furnish
15 ample retention for the sash in any desired position and at the same time provide adequate security against the operation of the fastener from the exterior of the window while partially open for ventilation.

20 My invention consists in features of novelty hereinafter fully described and pointed out in the claims.

Figure I is a view, partly in elevation and partly in vertical section, of a window with
25 my sash-fastener applied thereto. Fig. II is a vertical cross-sectional view taken on line II II, Fig. I. Fig. III is an enlarged perspective view of the fastener, the position of the parts thereof being similar to that shown in
30 Figs. I and II. Fig. IV is an enlarged cross-sectional view taken on line IV IV, Fig. I. Fig. V is an enlarged cross-sectional view taken on line V V, Fig. IV. Fig. VI is an enlarged cross-sectional view taken on line
35 VI VI, Fig. IV, illustrating a modification of the bolt-retaining means. Fig. VII is an enlarged detail perspective view of the auxiliary bolt carried by the main bolt of the fastener.

1 designates a window-frame; 2, the lower
40 sash; 3, the upper sash, and 4 the parting-strip that separates said sash. The parting-strip 4 is provided with a series of pockets 5, located at suitable intervals, as seen in Fig. II, and seated in the window-frame in the
45 groove occupied by the lower sash 2 are socket-keepers 6, located at suitable intervals, as shown in Figs. I and II.

7 designates keepers attached to the upper sash 3, spaced apart on said sash at intervals
50 corresponding to the locations of the pockets 5 in the parting-strip 4.

8 designates a box-plate mounted on the

lower sash 2, provided with a box 9 and containing a recess 10, and 11 is a box-plate mounted on the lower sash 2 in line with the
55 plate 8 and provided with a box 12, the said plate 11 containing a recess 13.

14 designates a main slide-bolt rockingly mounted in the boxes 9 and 12, provided with a handle 15. The inner end of this main
60 slide-bolt is adapted for projection into the socket-keepers 6, as seen in Figs. I and IV, for the retention of the lower sash of a window in either a lowered or raised position, according to the keeper into which the bolt is
65 projected.

Extending rearwardly from the main slide-bolt 14 is an arm 16, that carries an auxiliary slide-bolt 17, having a tapered point 18, that is adapted for projecting through either of
70 the keepers 7, carried by the upper sash 3, into the pockets 5, contained by the parting-strip 4, whereby the upper sash is held from movement in any desirable position, according to the keeper 7 and pocket 5, into which
75 the auxiliary bolt is projected.

For the purpose of retaining the slide-bolts 14 and 17 and preventing their being retracted from the keepers that receive them by the introduction of an instrument from the ex-
80 terior of the window I utilize a retaining-screw 20, that is mounted in the arm 16, which unites said bolts and the point of which is adapted to be lowered into the recess 10 in the box-plate 8, as seen in Fig. V, and which when
85 so lowered holds said arm from movement, and consequently retains the slide-bolts in their projected positions.

Instead of using the retaining-screw 19 I may use a retaining-key 21 to hold the slide-
90 bolts from movement, as seen in Fig. VI. This key is adapted for insertion into the groove 14^a, extending transversely of the main slide-bolt 14 and adapted to be brought into registration with said groove 13. On the in-
95 troduction of said key it will be seen that the slide-bolt is connected to the box-plate 11 thereby and firmly held from movement. The auxiliary slide-bolt 17, being provided with the point 18, tapered at the forward face
100 thereof, provides means whereby the upper sash is drawn toward the lower sash on the projection of said auxiliary bolt into a keeper 7, owing to the fact that the tapered face of

the bolt bears against said keeper, as shown in Fig. IV, while the bolt is being introduced thereinto.

I claim as my invention—

5 1. In a sash-fastener, the combination of a slide-bolt adapted to be mounted on the lower sash of a window for engagement with the window-frame, of an auxiliary slide-bolt parallel to and rigid with said slide-bolt, and
10 keepers carried by the upper sash of the window, said auxiliary bolt adapted to engage said keepers.

2. In a sash-fastener, the combination of a main slide-bolt carried by the lower sash of
15 a window and adapted to engage keepers in the window-frame, of a parting-strip and keepers carried by said parting-strip, of keepers carried by the upper sash of the window and an auxiliary bolt parallel to and rigid
20 with the main slide-bolt and adapted to pass through the keepers carried by the upper sash to engage the keepers in the parting-strip.

3. In a sash-fastener, in combination with the lower sash of a window, a box-plate carried by said sash, a slide-bolt carried by said
25 plate and adapted to engage keepers in the window-frame, of an auxiliary slide-bolt par-

allel to and rigid with said slide-bolt and adapted to engage keepers carried by the parting-strip and the upper sash of the win- 30
dow, of a recess in said box-plate, said auxiliary bolt provided with a tapered end, and a retaining-screw carried by said auxiliary bolt and adapted to engage the recess and to hold the bolts against movement. 35

4. In a sash-fastener, the combination with the lower sash of a window, of a box-plate carried by said sash, of a slide-bolt carried by said box-plate and adapted to engage keep- 40
ers in the window-frame, of a second box-plate, said bolt also sliding therein, of a recess in said second box-plate, of a key adapted to fit in said recess, a recess in said bolt, said key also engaging the recess in said bolt, whereby movement of the bolt is dogged and 45
an auxiliary bolt parallel to and rigid with said slide-bolt and adapted to engage suitable keepers in the parting-strip and upper sash of the window.

RICHARD D. LOGAN.

In presence of—

E. S. KNIGHT,
M. P. SMITH.