

(No Model.)

L. P. TREADWELL.
SASH FASTENER.

No. 476,432.

Patented June 7, 1892.

Fig I.

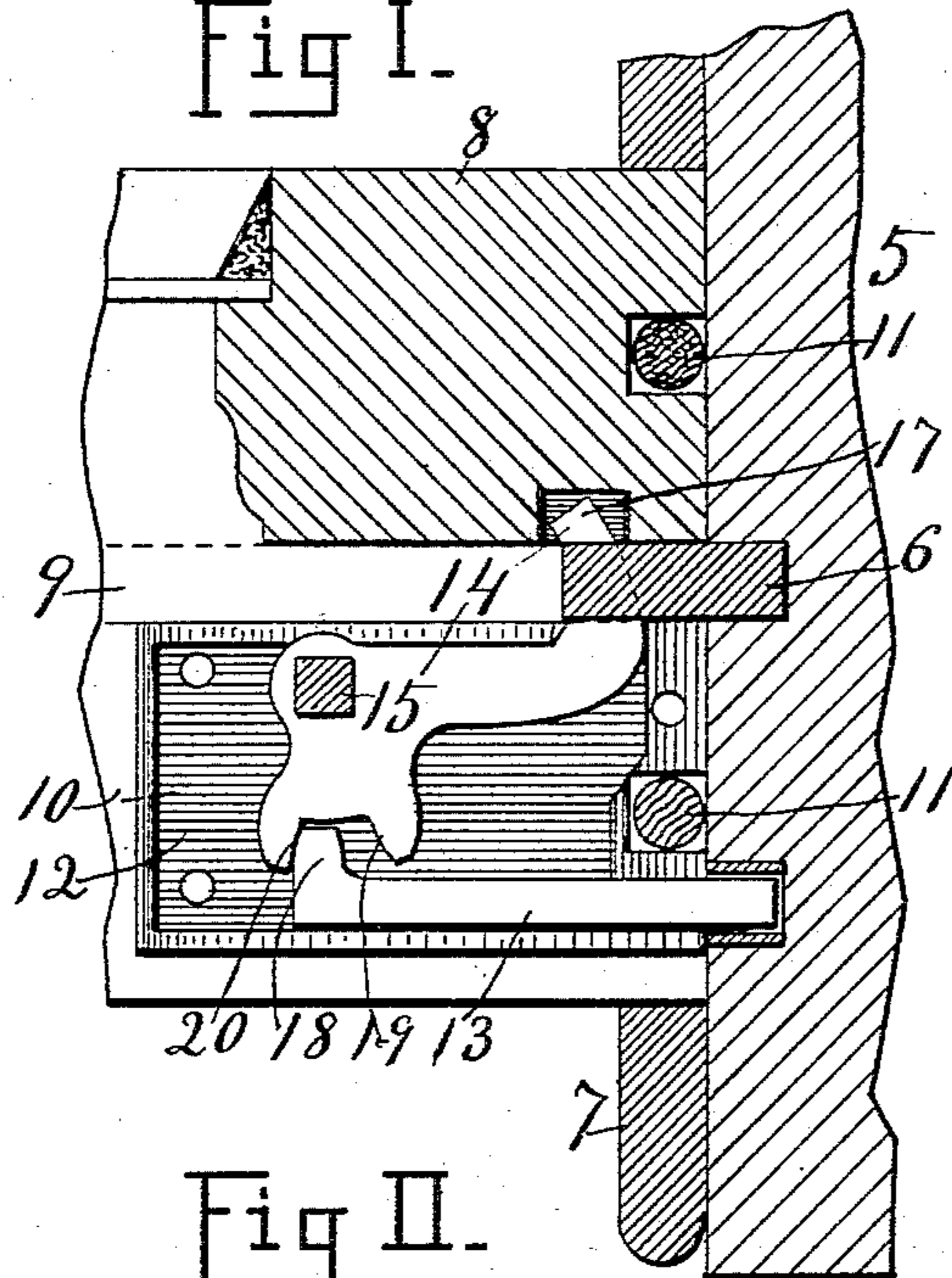


Fig II.

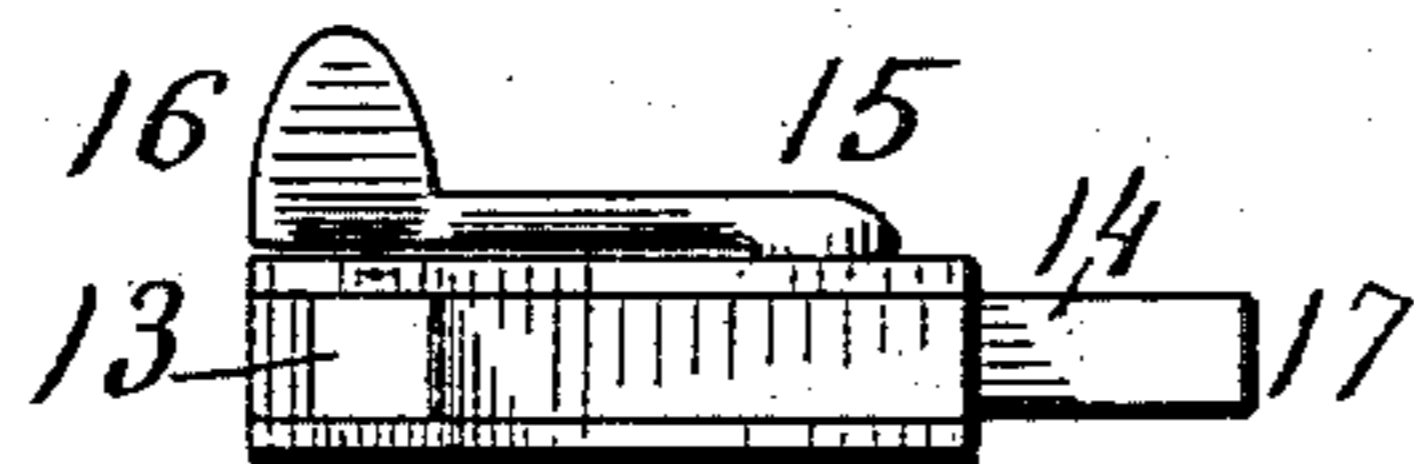
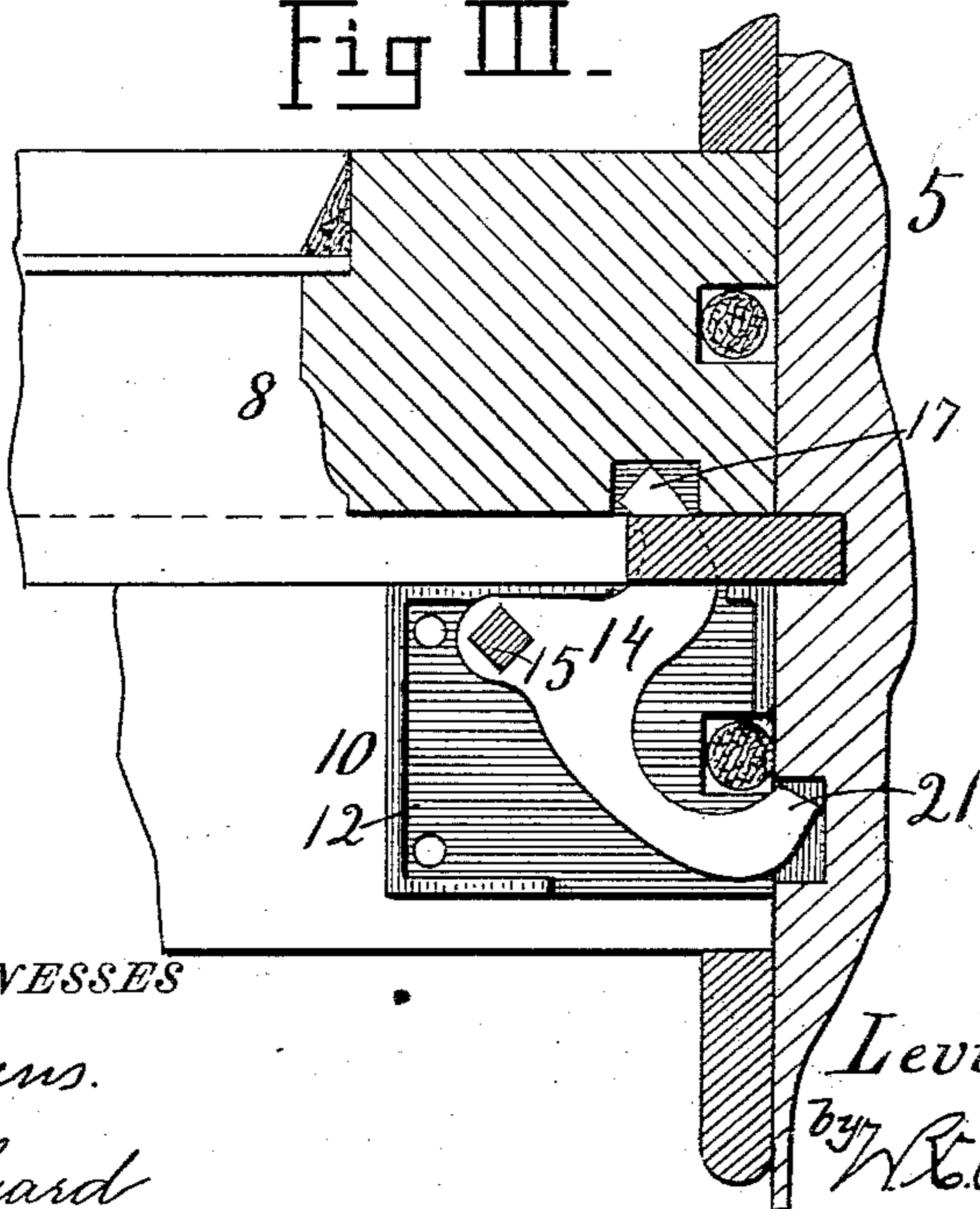


Fig III.



WITNESSES

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UNITED STATES PATENT OFFICE.

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SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 476,432, dated June 7, 1892.

Application filed March 1, 1892. Serial No. 423,382. (No model.)

To all whom it may concern:

Be it known that I, LEVI P. TREADWELL, a citizen of the United States, residing at Danbury, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Sash-Fasteners; and I do hereby 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 appertains to make and use the same.

This invention relates in general to that class of devices which are adapted to be attached to the sash of a window to be used for the purpose of locking the sash when closed and of fastening it at any required height when open, and it relates more particularly to sash-fasteners employing two bolts to be projected at the same time from two sides of a box or frame to form a double lock to the sash, operating somewhat upon the principle of the device shown in another application of this same date; and the object of the invention is to reduce the number of working parts, whereby the construction will be simplified, and to enable the upper sash to be unlocked while the lower sash still remains locked.

To this end my invention consists in the construction and combination of parts forming a "sash-fastener," hereinafter described and claimed, reference being had to the accompanying drawings, in which—

Figure I is a top view of the sash-fastener according to my invention with the cover removed. Fig. II is a right-hand end view of the same, and Fig. III shows a modification thereof.

5 represents a window-casing; 6, the parting-strip between the sashes, and 7 the front strip.

8 represents the upper sash, provided, as usual, with a lip 9, extending across the space which is left for the parting-strip 6 between the sashes.

10 is the lower sash, and 11 represents the sash-cords, upon which balance-weights may be hung.

12 represents a box or frame adapted to be secured on top of the lower sash.

13 represents a bolt, fitted to slide out at one side of the box to engage notches in the frame 5, which notches are located so that such engagement may cause the bolt to lock the sash

closed or to hold it raised at any one of different heights.

14 is another bolt, having a square hole to engage a shaft 15, which is journaled in the box and provided with a finger-latch 16, whereby it may be turned to swing the bolt 14, so that the end 17 thereof may project out of the rear side of the box to engage, first, a notch in the parting-strip 6 and then a notch in the sash 8, or to swing it partly back into the box to first disengage the rear sash, so that it may be opened or closed while the front sash remains locked to the parting-strip 6, and then to swing it fully back into the box to entirely disengage it from the parting-strip, whereby the lower sash will also be unlocked.

18 is a tooth or lug upon the side of the bolt 13, adapted to be engaged by a shoulder 19 of the bolt 14 on one side and by a shoulder 20 on the other side, and the space or notch in the bolt 14 between these shoulders 19 and 20 is sufficient to permit the bolt 14 to be withdrawn from the sash 8 before the shoulder 19 engages the lug 18. Then a continued move of the bolt 14 inward disengages it from the parting-strip 6 and withdraws the bolt 13 at the same time from its engagement with the frame 5. Now in its outward movement the bolt 14 will engage the parting-strip 6 before the shoulder 20 strikes the lug 18, so that the lower sash may be temporarily fastened to the parting-strip by means of the said bolt 14 at any required height. Then after the upper sash 8 is fixed at the height required it may also be fastened by moving the bolt farther outward, and in this further movement the shoulder 20 will engage the lug 18 and slide the bolt 13 into engagement with the side frame 5.

In the modification shown in Fig. III, I have substituted another projecting end 21, which is integral with the bolt 14, in place of the separate bolt 13. It will be seen that this single bolt with two projecting ends 17 and 21 has in some respects the same operation as the two bolts 13 and 14; but their separate results are not exactly the same. The bolt end 21, being farther from center 15 than the end 17, will be withdrawn first, so that it is disengaged before the upper sash is; but this effect has no particular advantage, and the only advantage

which the modification has over the device first described is that it reduces the number of pieces by one. In either the main form or the modification the rotary bolt 14 projects
5 two ends from two sides of the box, whereby the sash is doubly locked.

In this application I do not claim, broadly, two bolt ends projecting simultaneously at two sides of the lock-box, that being a portion of
10 the subject-matter of another application above referred to of this same date.

Having thus fully described my invention, what I believe to be new, and desire to secure by Letters Patent, is the following:

15 The combination, in a sash-fastener, of a

bolt journaled to the lower sash and having two ends to project at right angles beyond the sash, the side frame being notched to receive one of the said ends, and the parting-strip and the upper sash both notched to receive
20 the other end, the notches in the upper sash being concealed behind the parting-strip, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

LEVI P. TREADWELL.

Witnesses:

W. X. STEVENS,

M. C. HILLYARD.