

(No Model.)

D. LAUER.
COMBINED SASH HOLDER AND FASTENER.

No. 596,889.

Patented Jan. 4, 1898.

Fig. 1.

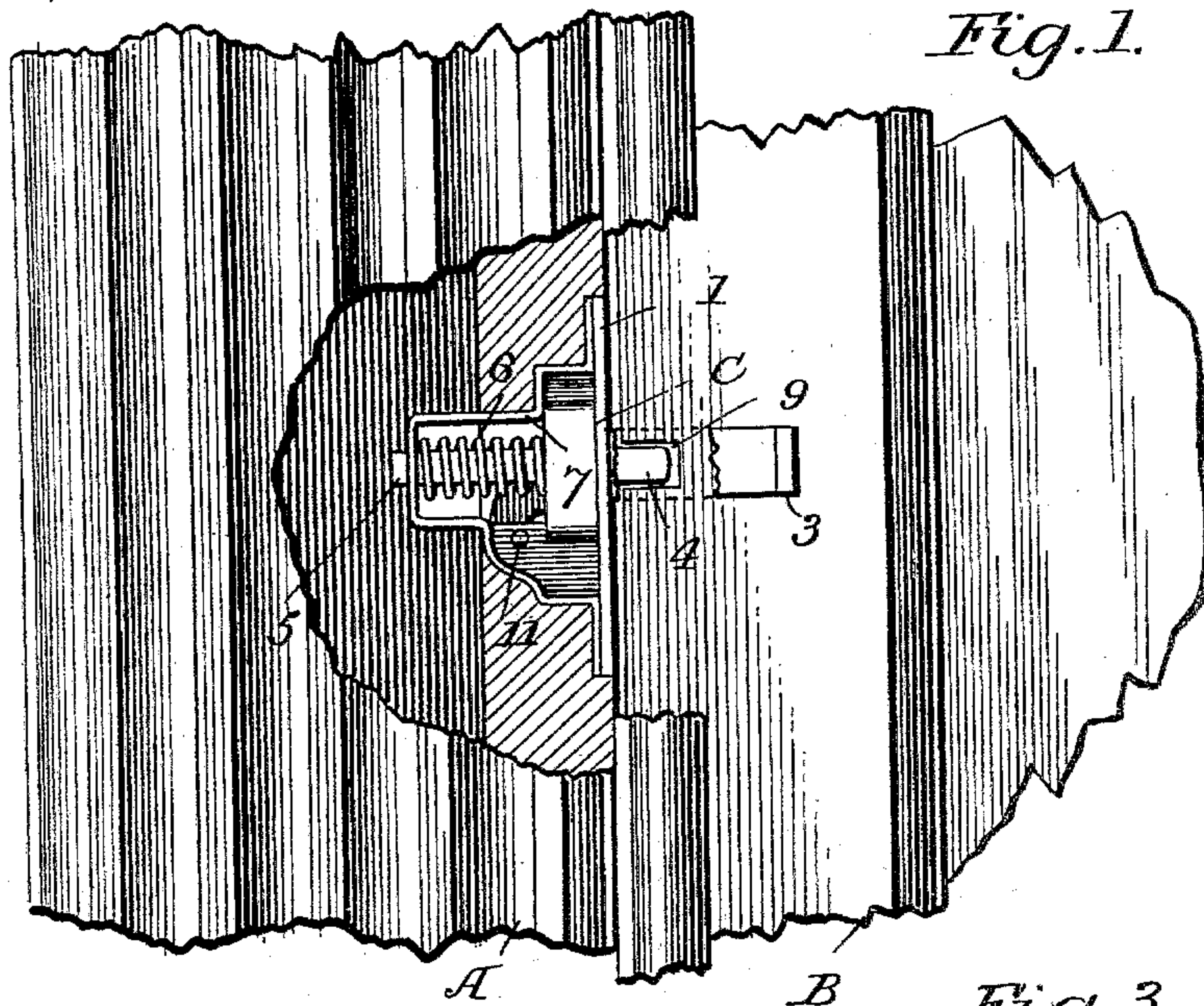


Fig. 3.

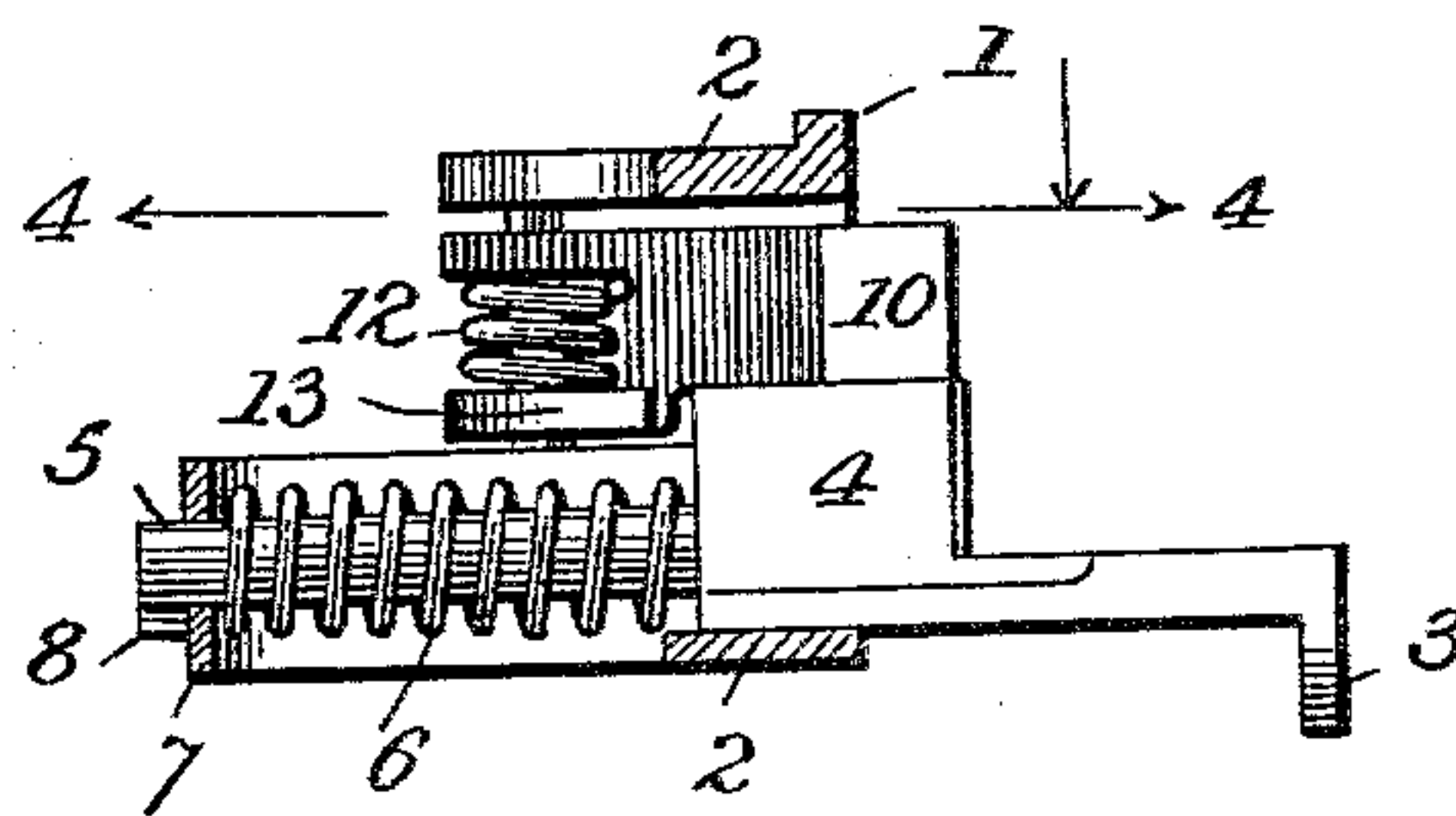


Fig. 2.

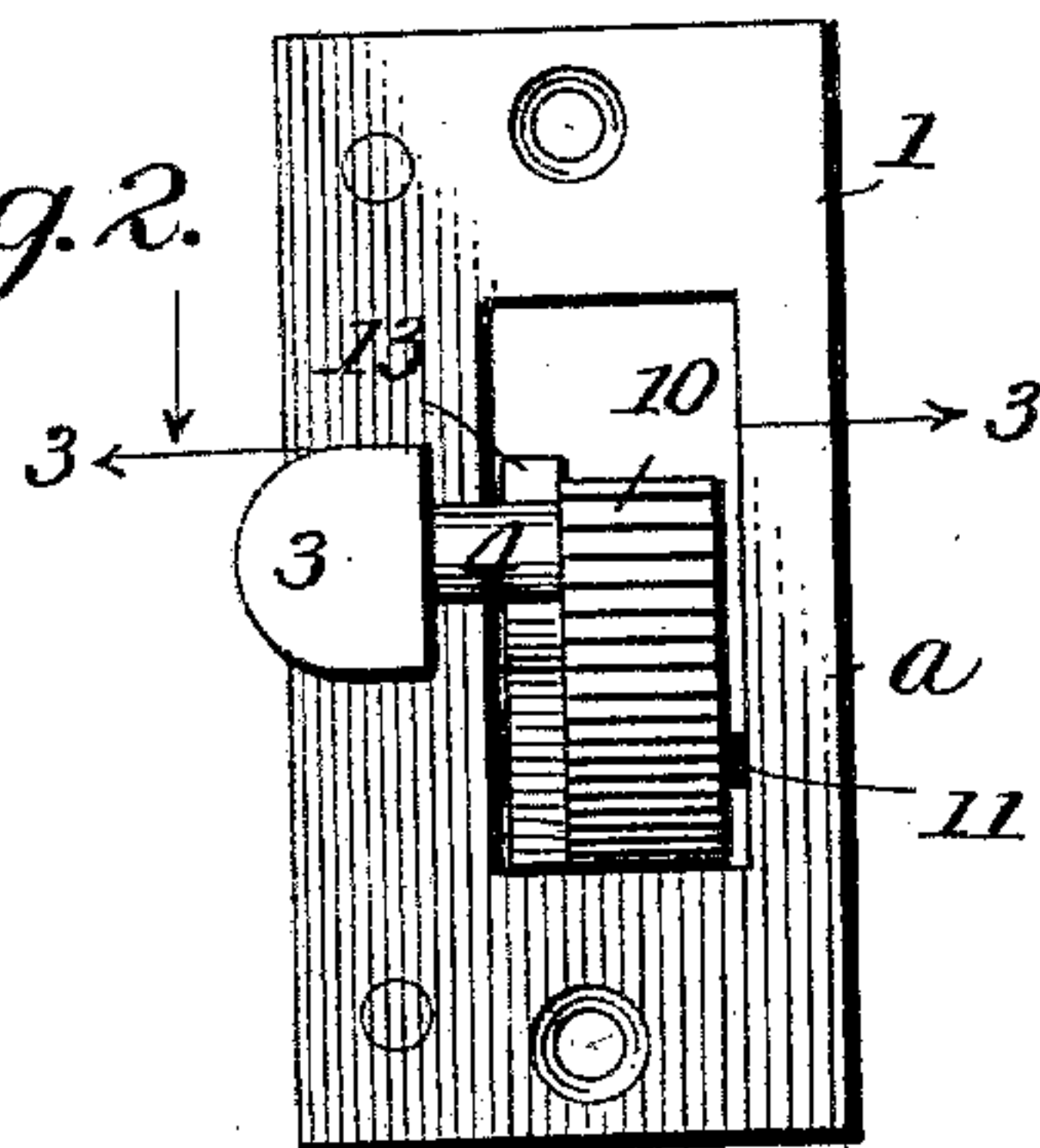


Fig. 4.

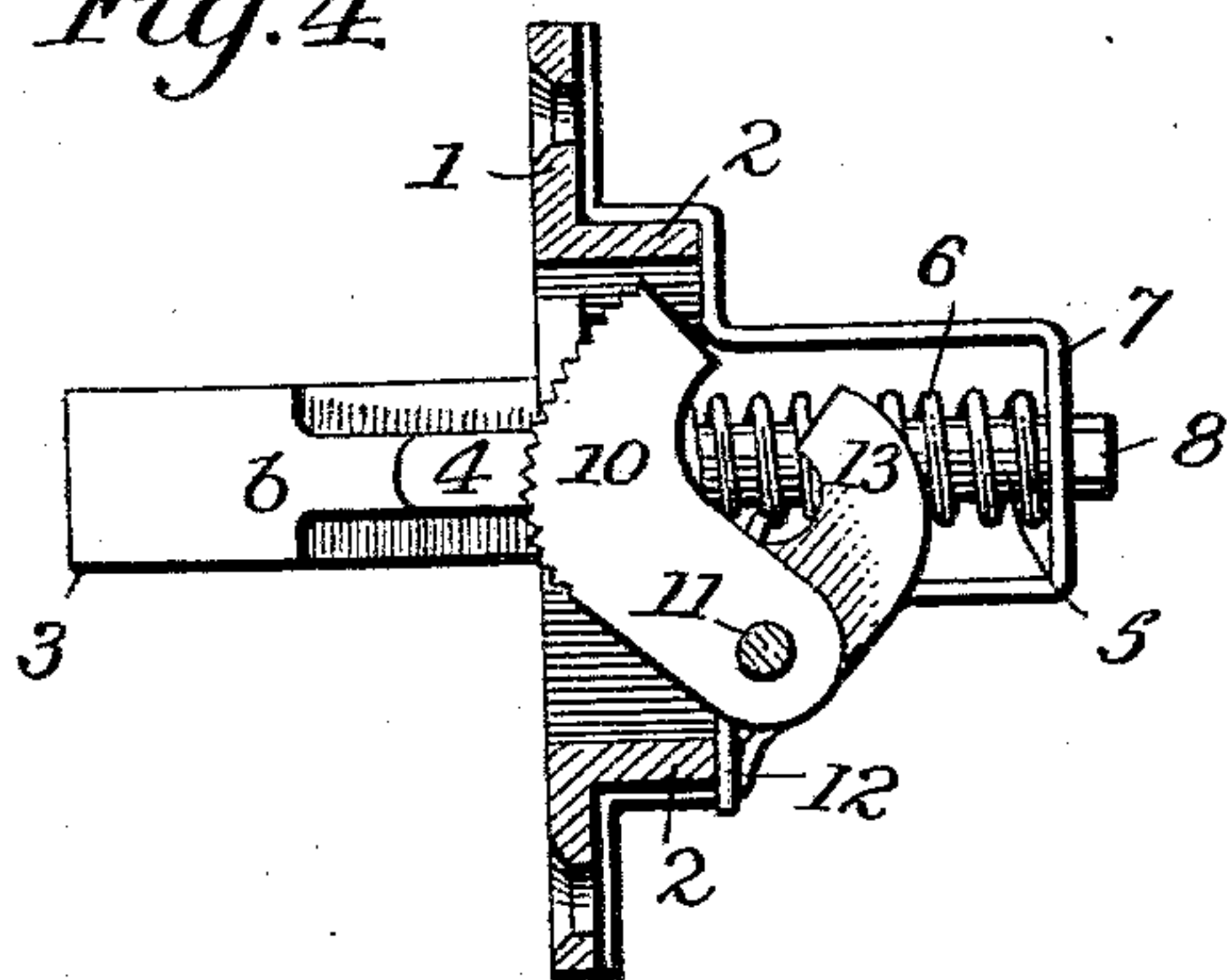
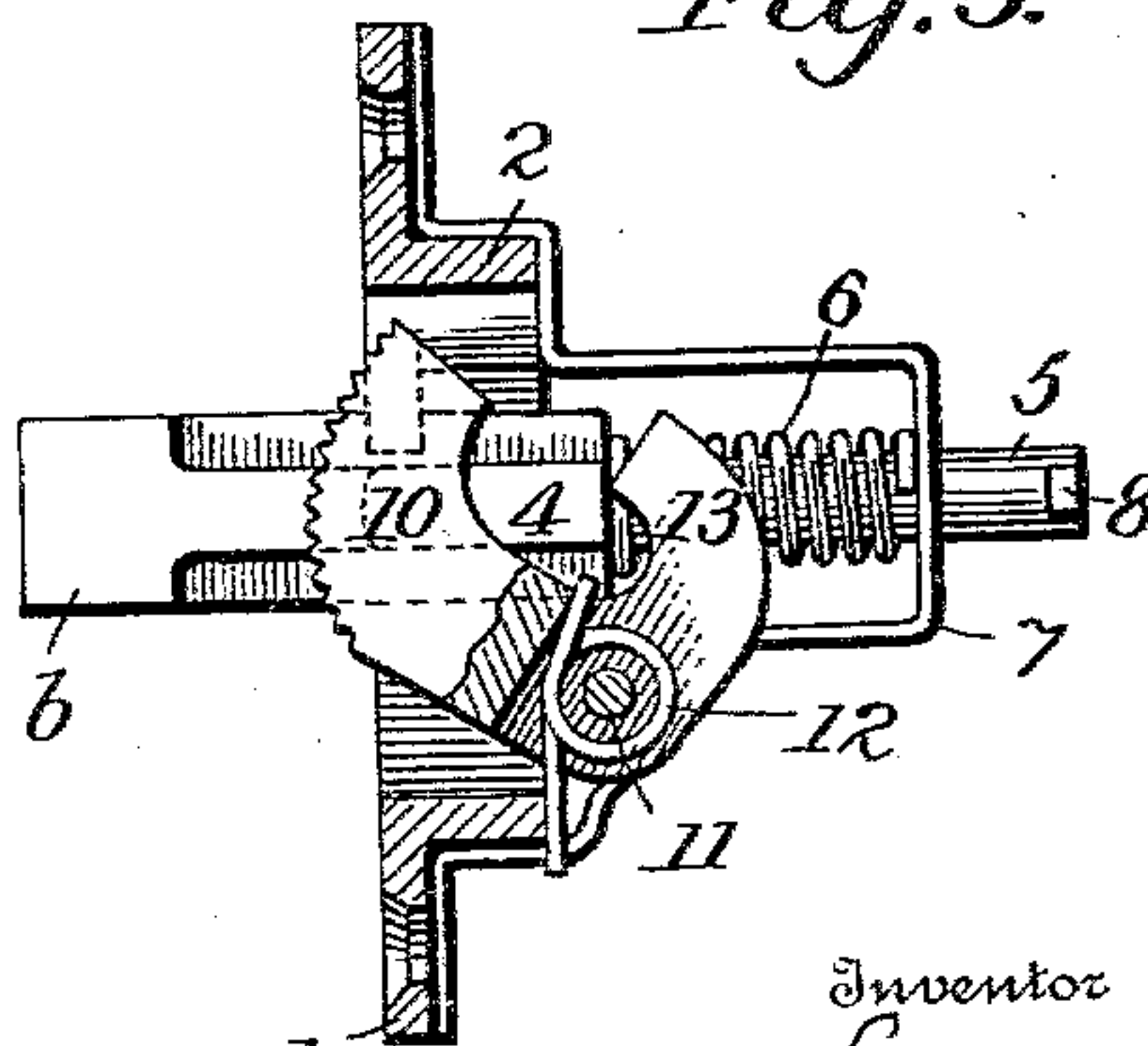


Fig. 5.



Witnesses

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UNITED STATES PATENT OFFICE.

DANIEL LAUER, OF YORK, PENNSYLVANIA.

COMBINED SASH HOLDER AND FASTENER.

SPECIFICATION forming part of Letters Patent No. 596,889, dated January 4, 1898.

Application filed July 15, 1897. Serial No. 644,710. (No model.)

To all whom it may concern:

Be it known that I, DANIEL LAUER, a citizen of the United States, residing at York, in the county of York and State of Pennsylvania, have invented certain new and useful Improvements in a Combined Sash Holder and Lock, of which the following is a specification.

My invention consists in a combined holder and lock which is simple and inexpensive in construction and effective in operation.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 is a front view of part of a window sash and frame, parts being broken away to illustrate the lock. Fig. 2 is a face view of the sash-holder. Fig. 3 is a plan view, the frame being shown in section on the line 3 3, Fig. 2. Fig. 4 is a sectional view taken on the line 4 4, Fig. 3, showing the lock in operative position; and Fig. 5 is a similar view showing the holding-cam in operative position.

In the drawings, A indicates the window-frame, B the sash, and C the combined lock and latch. The parts of the lock and latch are mounted in a casting or frame *a*, consisting of a face-plate 1 and an inwardly-turned flange or box 2. The lock consists of a spring-bolt 6, which slides at right angles to the face-plate. The bolt has a thumb-piece 3, a tongue 4, and a rearwardly-extending shank 5, around which is coiled a spring 6, tending to throw the bolt out. The rear end of the shank passes through and is guided in a hole in a yoke-piece 7, said yoke-piece, as shown, consisting of a piece of strap-iron riveted to the frame. The bolt is prevented from passing through the hole by a small toe or projection on the rear end of the shank. The tongue of the bolt is rectangular, and it is adapted to engage rectangular notches 9 in the window-sash, thus positively locking the sash.

The sash-holder comprises a roughened or toothed cam 10, which is pivotally mounted on a pin 11, connected with the box 2. The cam is normally thrown out against the window-sash by a coiled spring 12. Integral with the cam is a tailpiece 13 in the rear of the

tongue 4 of the bolt, as shown in Figs. 3 and 5, and the cam may be pressed in by pushing inward the thumb-piece of the bolt.

My combined lock and latch are applied, as shown in Fig. 1, by attaching the same to the window-frame with the face flush with the surface against which the sash runs. The sashes are provided with several notches 9, as many as may be desirable. One notch is provided for locking the window in closed position, and others may be provided for locking it open. The cam, however, will hold it in any desired open position. The cam and bolt may be said, in a sense, to work independently, as they have independent springs, but the bolt is used to withdraw the cam to free the sash. The parts are so proportioned that when both the cam and the bolt are pressed in and then released the cam will come out ahead of the bolt and the bolt will not therefore prevent the cam from engaging any part of the sash. The bolt upon being released will simply spring against the sash if it is not opposite a notch. If, however, it is opposite a notch, it will spring into the notch and lock the sash rigidly.

What I claim, and desire to secure by Letters Patent, is—

In a combined sash holder and lock, the combination with the frame having a face-plate and flange, of a yoke 7 connected to the frame, a sliding bolt having a shank extending through the yoke, a spring surrounding said shank, a tongue and a thumb-piece, a cam pivoted in said frame, a spiral spring surrounding the pivot and normally throwing the cam out and the tailpiece integral with the cam, said tailpiece being in the rear of the bolt-tongue, whereby the withdrawal of the bolt will effect the withdrawal of the cam, substantially as described.

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

DANIEL LAUER.

Witnesses:

J. M. SMYSER,

A. D. LEATHERY.