

No. 709,591.

Patented Sept. 23, 1902.

W. BENNETT.
SASH LOCK.

(Application filed Sept. 10, 1901.)

(No Model.)

Fig. 1.

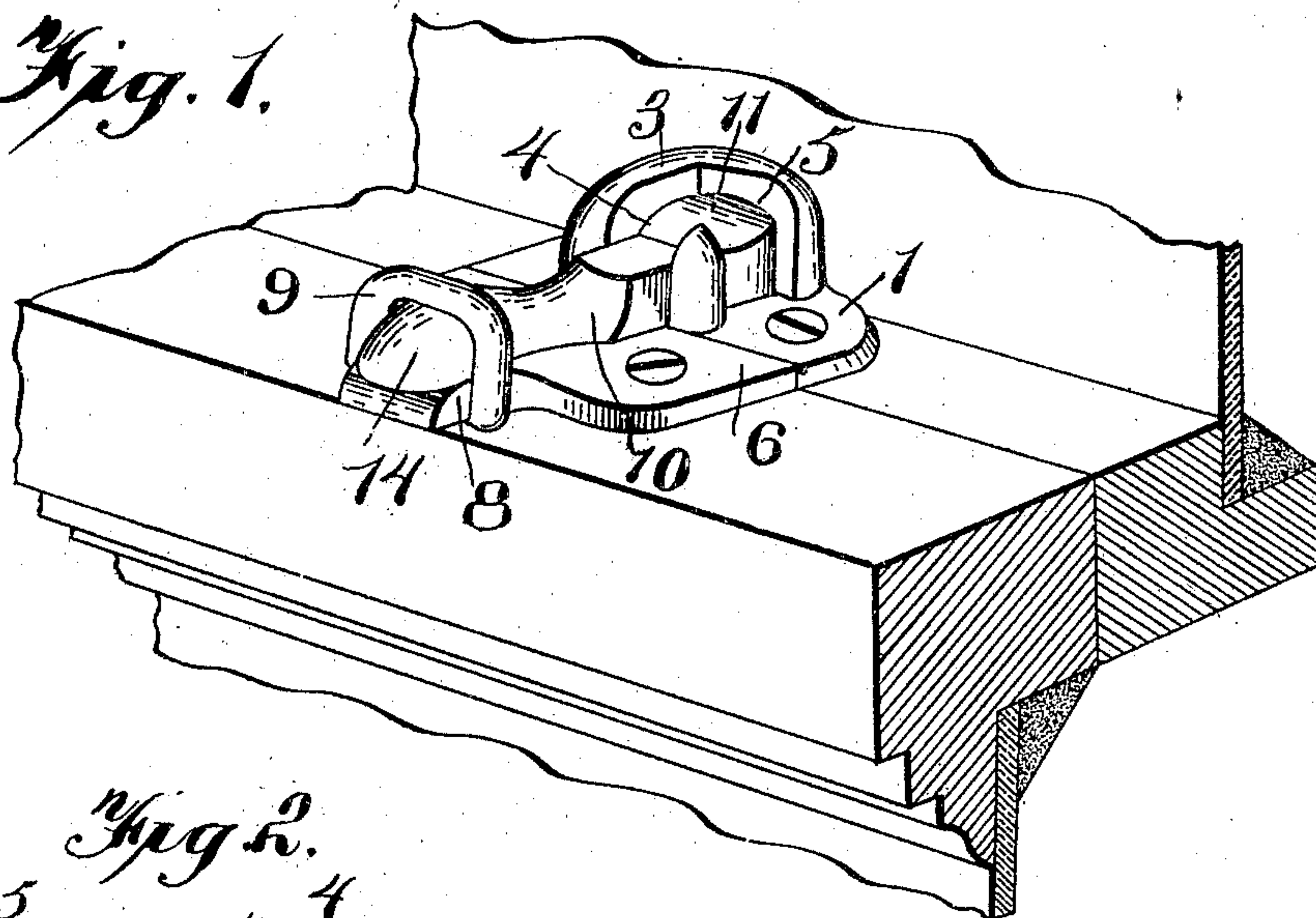


Fig. 2.

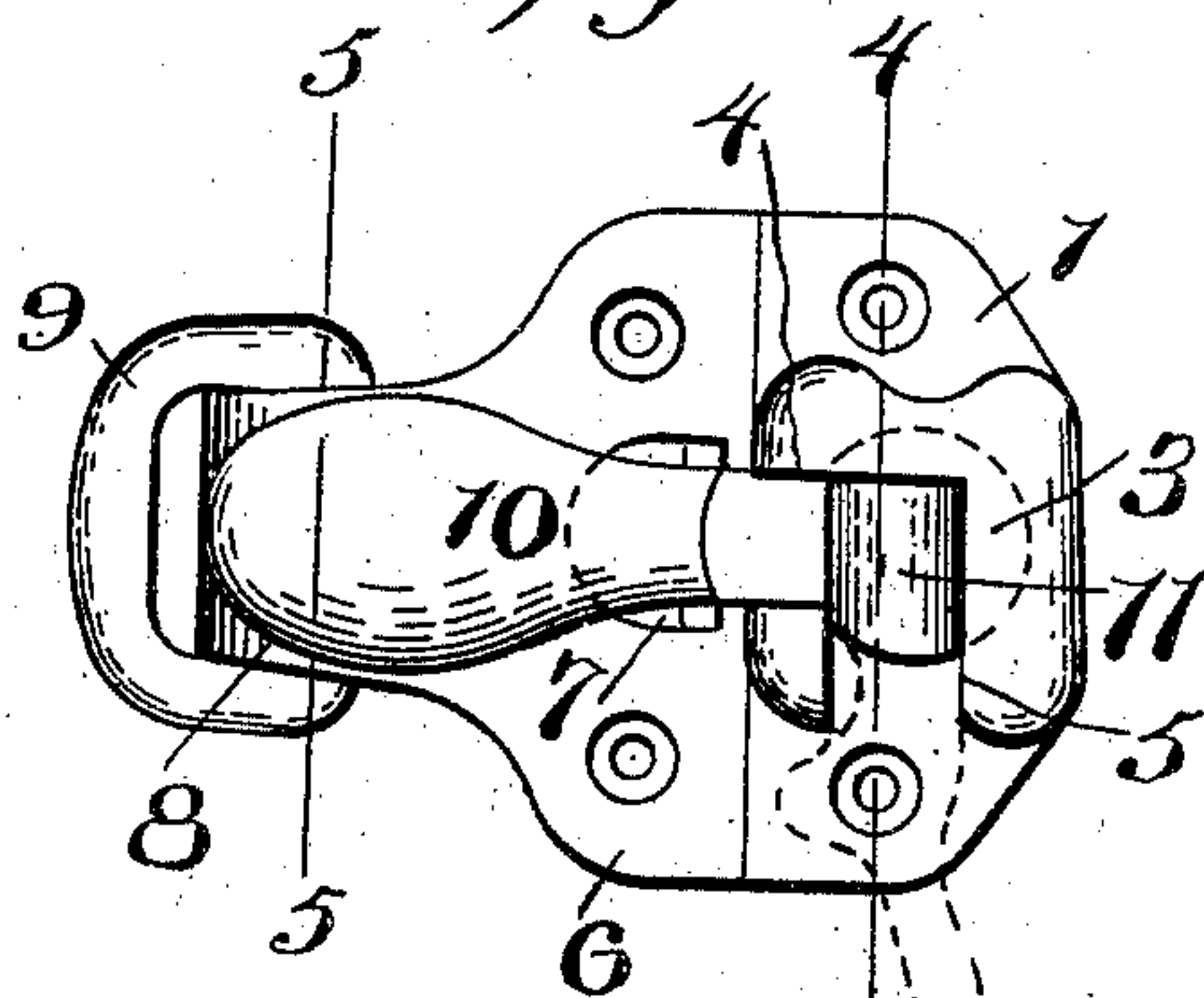


Fig. 3.

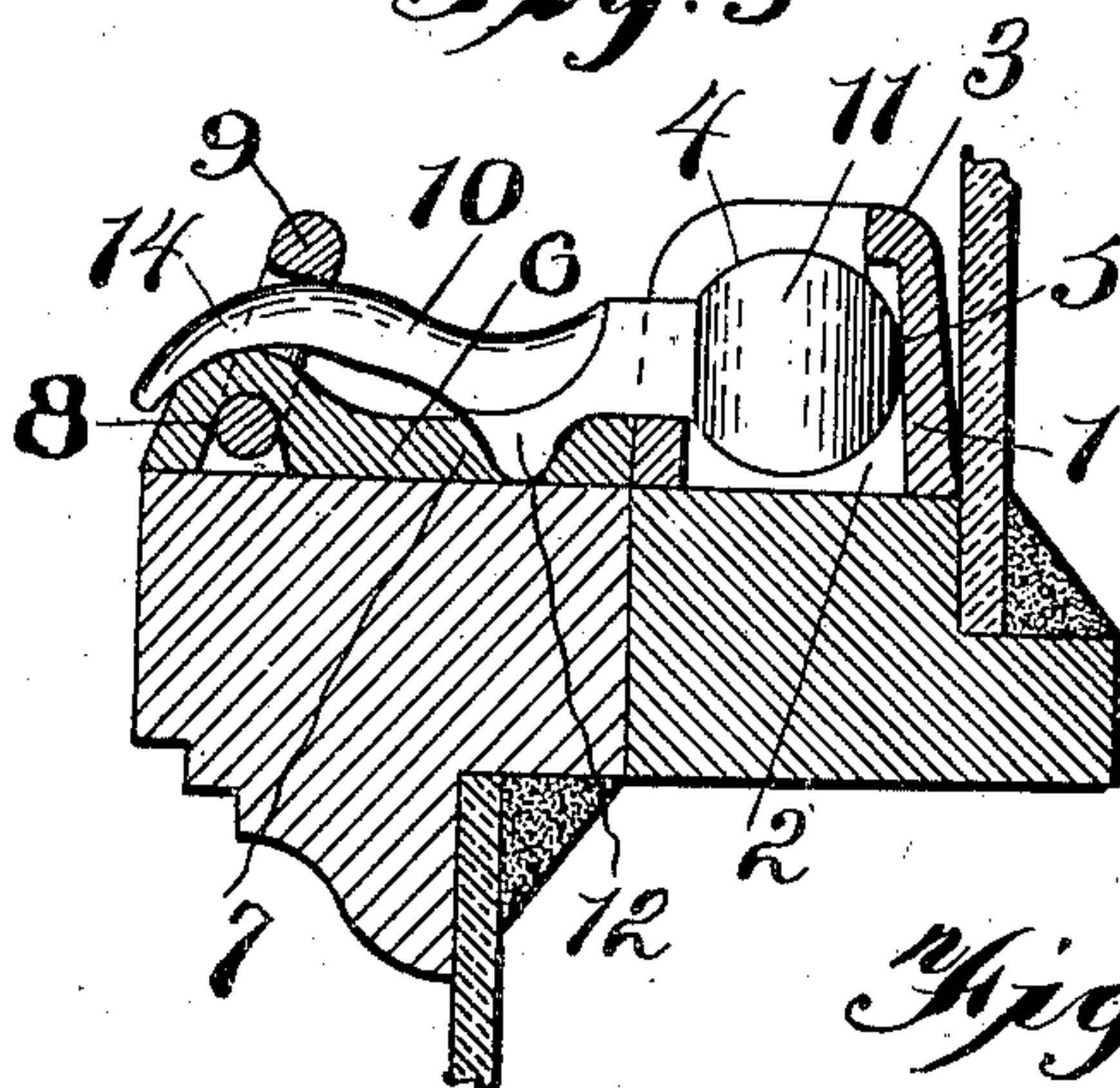


Fig. 4.

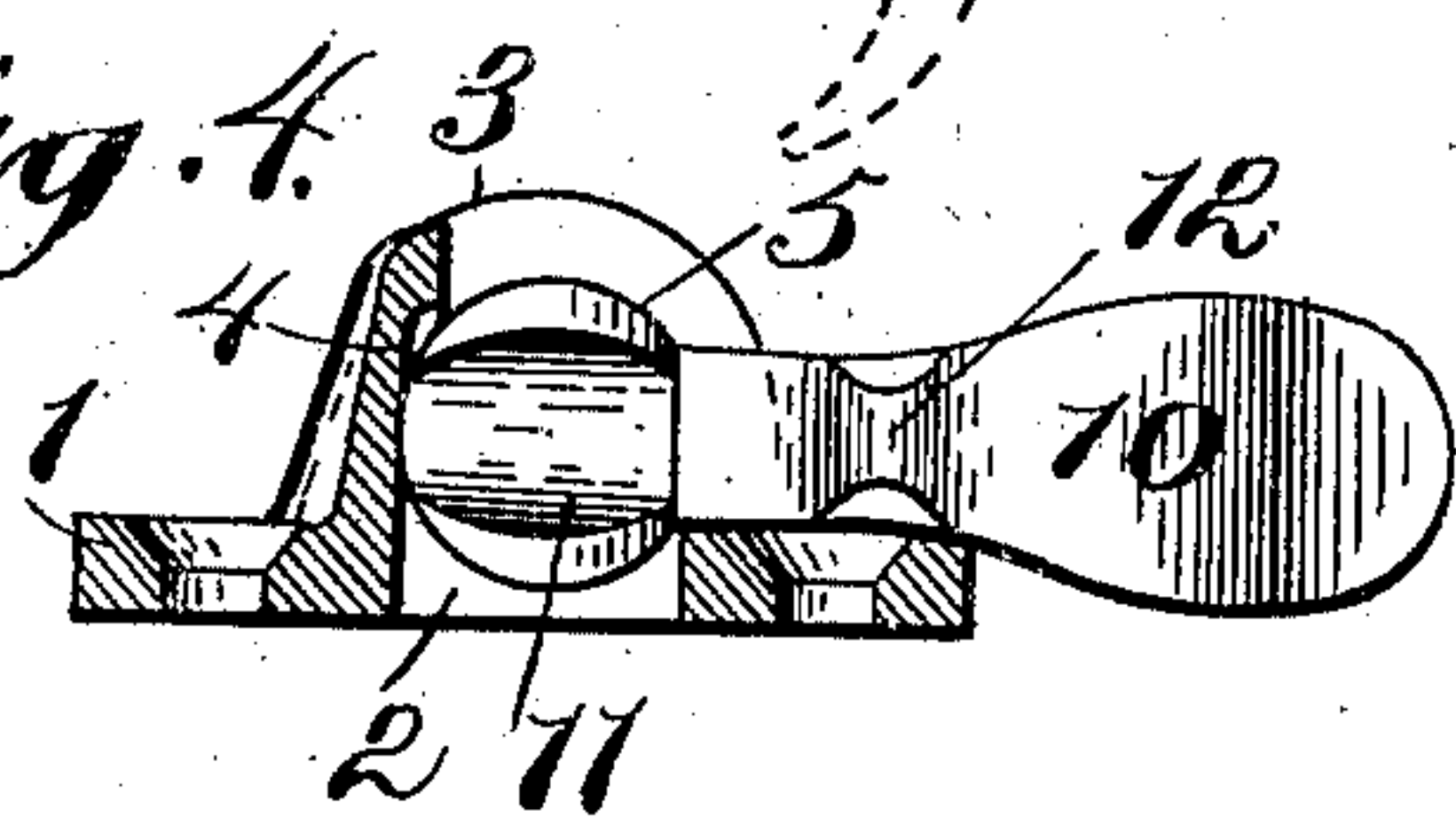
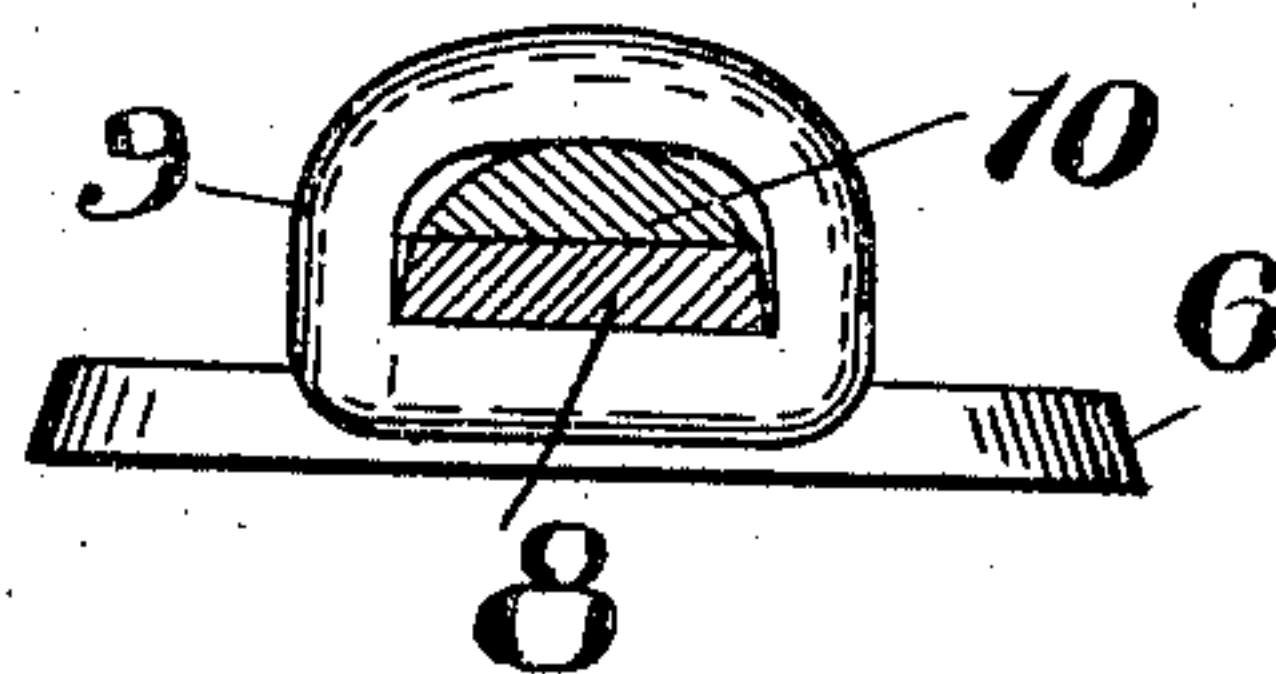


Fig. 5.



Inventor

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Witnesses

Geo. E. Prech.
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UNITED STATES PATENT OFFICE.

WILBUR BENNETT, OF WAYNESBORO, VIRGINIA.

SASH-LOCK.

SPECIFICATION forming part of Letters Patent No. 709,591, dated September 23, 1902.

Application filed September 10, 1901. Serial No. 74,915. (No model.)

To all whom it may concern:

Be it known that I, WILBUR BENNETT, a citizen of the United States, residing at Waynesboro, in the county of Augusta and State of Virginia, have invented a new and useful Improvement in Window-Sash Locks, of which the following is a specification.

My invention has relation to window-sash locks; and it consists in the novel construction and arrangement of its parts, as hereinafter described.

The object of my invention is to provide a window-sash lock adapted to hold the lower edge of the upper sash and the upper edge of the lower sash close together, thus preventing the entrance of air at this point and preventing the lock from being opened from the outside of the window, also to raise top sash to a level with bottom sash and make them flush.

The further object of the invention is to make a strong and positive lock, at the same time one that is simple in its construction and durable in its nature.

In the accompanying drawings, Figure 1 is a perspective view of the lower part of an upper sash and the upper part of a lower sash having my sash-lock applied thereto and locked. Fig. 2 is a top plan view of the sash-lock. Fig. 3 is a transverse sectional view of the sash-lock. Fig. 4 is a sectional view of the sash-lock cut on the line 4 4 of Fig. 2, and Fig. 5 is a sectional view of the sash-lock cut on the line 5 5 of Fig. 2.

The sash-lock consists of the plate 1, which is screwed or otherwise secured to the lower inner edge of the upper sash of the window. Said plate 1 is provided at its middle with a perforation 2. On its upper face the plate 1 is provided with the dome 3, said dome being located around the perforation 2 and having cut in its top the channel 4, which extends at right angles to the sash, and the channel 5, which extends parallel with the sash. The inner ends of the channels 4 and 5 merge into each other.

The plate 6 is screwed or otherwise secured to the top of the lower sash opposite the plate 1. The said plate 6 is provided in its middle with a perforation 7, and the outer end of the said plate is arched up, as at 8, and located under said arch is the straight portion of a D-

shaped link 9, said arch serving as a retainer for the said link, the link being free to make partial revolutions, the straight portion thereof serving as an axis.

The lever 10 is provided at one end with the enlarged head 11, which is retained under the dome 3, the said lever projecting through one of the channels in the said dome. On its under side the said lever is provided with a teat 12, which is adapted to enter the perforation 7 of the plate 6, and the outer upper end of the said lever is provided with a downwardly-curved surface 14, over which the curved portion of the D-shaped link 9 is adapted to be swung and against which it is adapted to impinge and hold the parts firmly together.

The parts are assembled and operated as follows: Before attaching the plate 1 to the sash the lever 10 is slipped through the perforation 2 of the said plate until its enlarged head 11 comes in contact with the inner surface of the dome 3, and when the sash are closed—that is, the upper sash is up and the lower sash is down—the lever 10 is swung over in the channel 4 and the teat 12 enters the perforation 7 of the plate 6. The walls of the perforation 7 and the sides of the teat 12 are beveled so as to draw the inner edges of the upper and lower sash tight together, as shown in Fig. 3. The curved portion of the D-shaped link 9 is then swung up over the end of the lever 10, and the sash are firmly locked together. The space between the edges of the sash being closed, no cold air can enter there-through, nor is it possible for any one on the outside of the window to insert an implement between the sash and unlock the fastening. To open the windows, the link 9 is swung down and the lever 10 is raised to a perpendicular position and then dropped over at right angles to its locking position in the channel 5 and lies in a horizontal position, as shown in dotted lines in Fig. 2 and in heavy lines in Fig. 4. Thus the said lever is out of the way, and the sash can be moved without interference.

The enlarged head 11 of the lever 10 and the corresponding bearing-surface in the under side of the dome 3 are so constructed as to permit the said lever to swing in two directions.

Having described my invention, what I

claim as new, and desire to secure by Letters Patent, is—

1. A sash-lock consisting of a plate adapted to be attached to a sash, a lever attached to said plate, a second plate adapted to be attached to the opposite sash, said second plate having an arched portion, a D-shaped link retained by said arched portion and adapted to pass over the free end of the said lever.
2. A sash-lock consisting of a plate adapted to be attached to a sash, a lever attached to said plate, a second plate having a perforation and an arched portion, a D-shaped link retained by said arched portion and adapted to pass over the free end of the lever, said lever having a teat adapted to enter said perforation.
3. A sash-lock consisting of a plate adapted to be attached to a sash, said plate having a perforation, a dome erected on said plate about said perforation, said dome having two channels merging into each other at right angles, a lever secured at one end under said dome and being free to swing through the channels, a second plate adapted to be attached to the opposite sash, said second plate

having a perforation and an arched portion, a D-shaped link retained by said arched portion, said lever having a teat adapted to enter the perforation of the said second plate.

4. A sash-lock consisting of a plate adapted to be attached to a sash, a dome erected on said plate, said dome having two channels cut therein and merging into each other at an angle, a lever secured at one end under said dome and being free to swing through the channels, said lever being retained from revolving axially, said lever being adapted to swing in two directions, but when having entered one channel being prevented from moving toward the other channel by the intermediate portion of the dome between the said channels, a second plate adapted to be secured to the opposite sash and having a means for securing the free end of the lever.

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

WILBUR BENNETT.

Witnesses:

W. M. MCCRAY,
J. E. FULTZ.