

(No Model.)

G. VAN D. CORNELL.
SASH FASTENER.

No. 587,682.

Patented Aug. 3, 1897.

FIG. 1

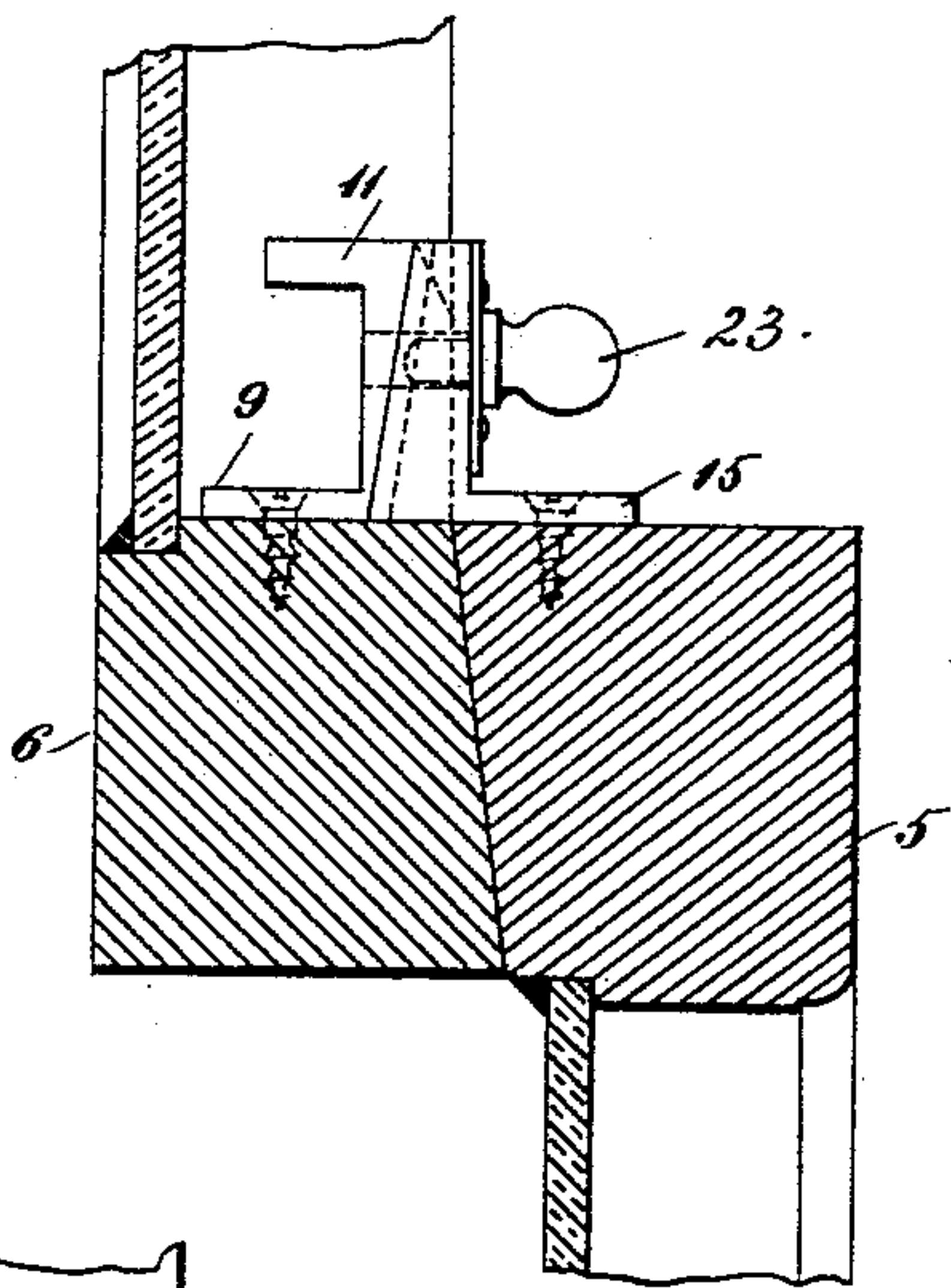


FIG. 2

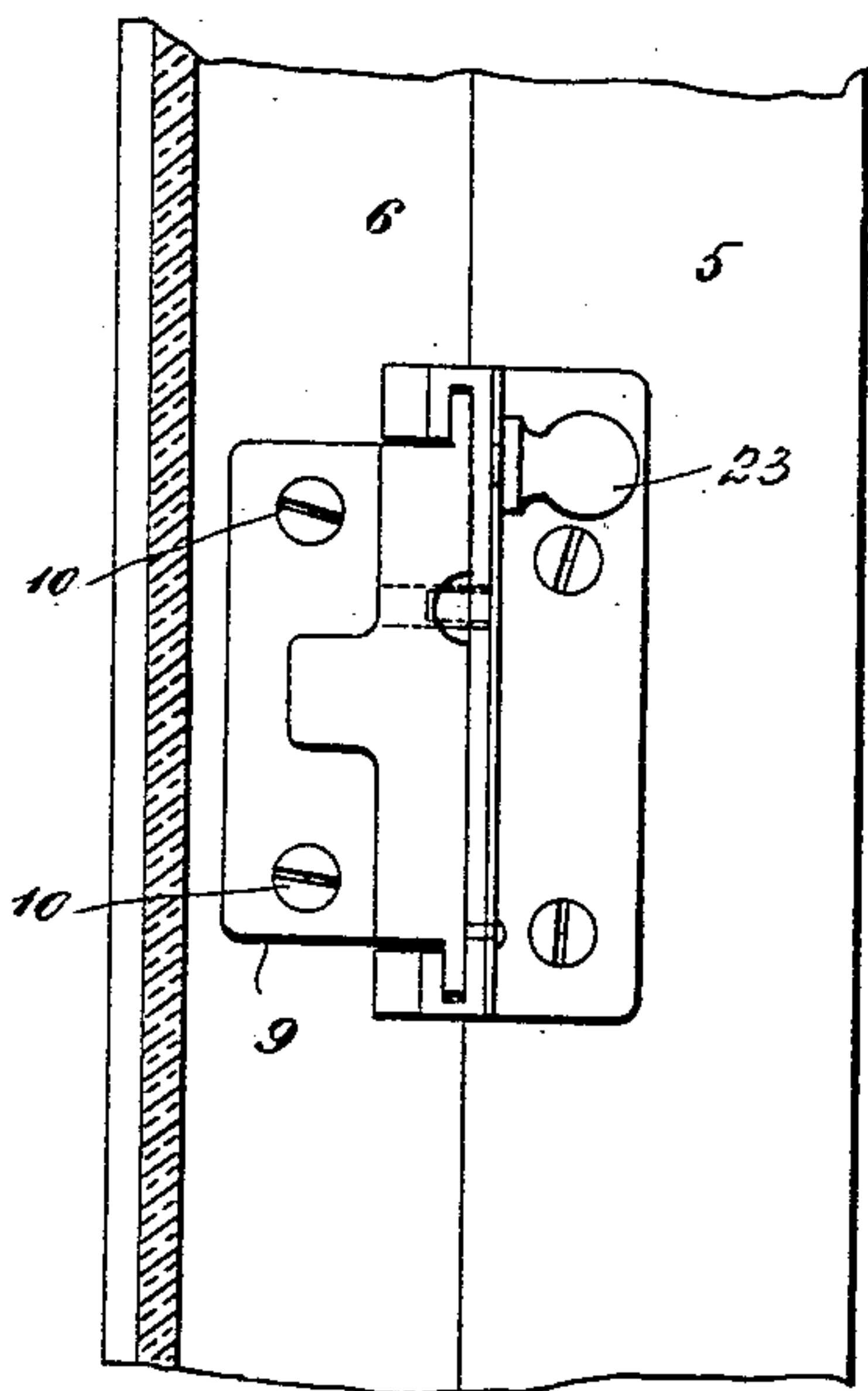


FIG. 3

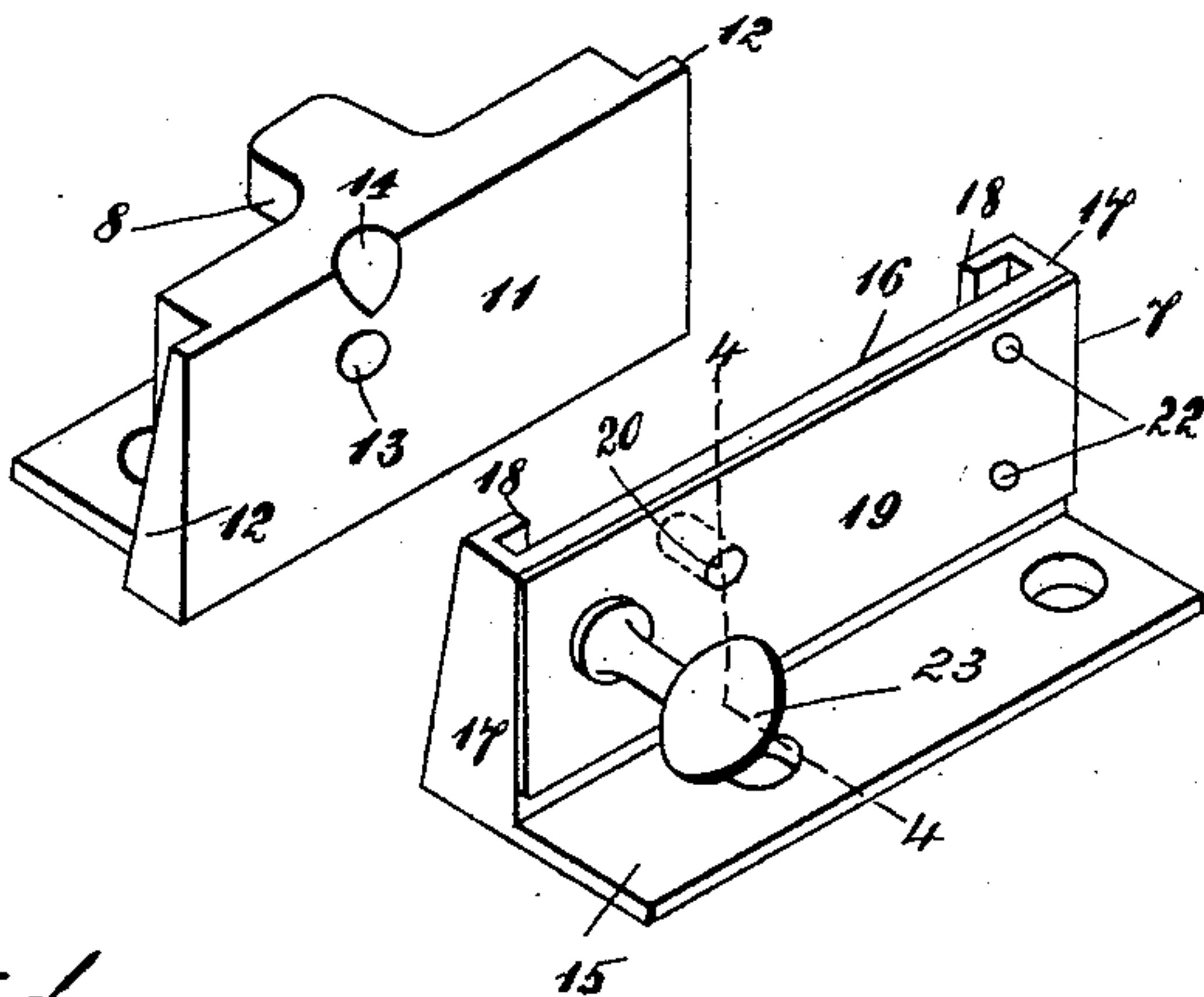
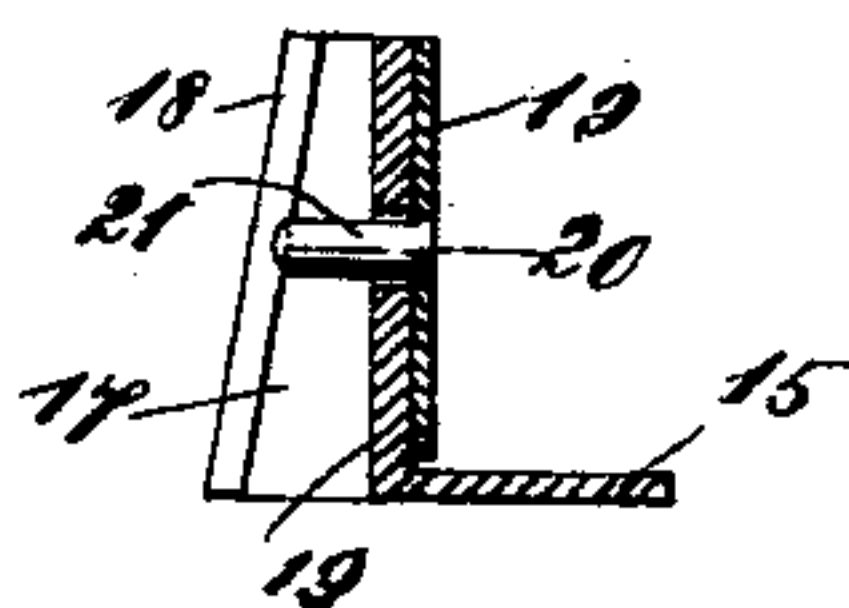


FIG. 4



WITNESSES

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GEORGE VAN DUYN CORNELL, OF BOUND BROOK, NEW JERSEY.

SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 587,682, dated August 3, 1897.

Application filed October 10, 1896. Serial No. 608,466. (No model.)

To all whom it may concern:

Be it known that I, GEORGE VAN DUYN CORNELL, a citizen of the United States, residing at Bound Brook, in the county of Somerset and State of New Jersey, have invented certain new and useful Improvements in Fastening Devices for Window-Sashes, of which the following is a full and complete specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to fastening devices for window-sashes; and the object thereof is to provide an improved device of this class which is simple in construction and operation, and which is designed to serve as a secure lock, whereby the window-sashes may be held in the closed position.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

Figure 1 is a vertical section of the upper part of the lower sash and the lower part of the upper sash of a window and showing my improved lock or fastening device connected therewith; Fig. 2, a plan view of the construction shown in Fig. 1; Fig. 3, a perspective view of the separate parts of my improved window-lock or fastening device, and Fig. 4 a transverse section of one of said parts on the line 4 4 of Fig. 3.

In the drawings forming part of this specification I have shown at 5 the upper cross-bar of the lower window-sash and at 6 the lower cross-bar of the upper sash, and in the practice of my invention I provide a sash-lock or fastening device which consists of two parts 7 and 8, as shown in Fig. 3.

The part 8 consists of a base-plate 9, which is adapted to be bolted to the lower cross-bar 6 of the upper sash, as shown at 10 in Fig. 2, and said plate is provided at its front edge with a supplemental vertical plate 11, the ends of which are provided with wedge-shaped projections 12, the thin ends of which are directed upwardly, and formed in the front side of said supplemental plate 11 is a transverse hole 13, above which is a groove 14, which is deepest at its upper end and the back wall of which is inclined outwardly to the surface of the plate 11, just above the hole 13.

The part 7 of my improved sash-lock comprises a base-plate 15, which is adapted to be screwed or bolted to the upper cross-bar 5 of the lower sash, and formed on the rear edge thereof is a vertical plate 16, which is provided with triangular end plates 17, which project outwardly and on which are formed inwardly-directed flanges 18, and secured to one end of the plate 16 on the inner side thereof is a spring-plate 19, to the back of which is secured a plug or bolt 20, which passes through a slot or opening 21 in the plate 16 and which is adapted to enter the hole 13 in the plate 11 of the part 8.

The spring-plate 19 is secured to the vertical plate 16 by bolts, screws, or rivets 22, and secured to the free end thereof is a knob or handle 23, and the operation will be readily understood from the foregoing description, when taken in connection with the accompanying drawings and the following statement thereof.

The parts 7 and 8 are secured to the lower and upper sashes, respectively, as shown in Figs. 1 and 2, and when the lower sash is lowered to position or closed the pin or bolt 20 or the outer end thereof will enter the groove 14 in the plate 11 and be forced inwardly, the spring-plate 19 yielding in this operation, as will be readily understood, and when the end of said pin or bolt reaches the hole 13 it will be forced thereinto by said spring-plate, and the window-sashes will be securely locked together.

The pin or bolt 20 may be released from the hole 13 at any time by pulling on the knob or handle 23, and the lower sash may be raised and the upper sash lowered, and whenever it is desired to lock the sashes in the closed position the upper sash is raised and the lower sash is lowered, as desired, and in this operation the flanges 18 on the end plates 17 of the plate 16 interlock with the wedge-shaped projections 12 on the plate 11, and at the same time the pin or bolt 20 operates as above described, and the sashes are securely locked and at the same time drawn closely together, so that they cannot be moved vertically and will not rattle or shake, the rattling or shaking thereof being prevented by the wedge-shaped projections 12 on the

plate 11 and the corresponding flanges 18 on the triangular or wedge-shaped end pieces 17 of the plate 16.

This device is simple in construction and operation and is perfectly adapted to accomplish the result for which it is intended, while being also comparatively inexpensive; and it is evident that changes in and modifications of the construction herein described may be made without departing from the spirit of my invention or sacrificing its advantages.

Having fully described my invention, I claim as new and desire to secure by Letters Patent—

15 A sash-lock comprising a plate which is adapted to be secured to the upper sash; and which is provided with a vertical and longitudinal extension at the ends of which are upright wedge-shaped projections, and a similar plate which is adapted to be secured to

the lower sash, and which is provided with an upwardly-directed longitudinal extension at the ends of which are outwardly-directed triangular or wedge-shaped end pieces on which are formed inwardly-directed flanges, 25 said last-named plate being provided with a spring to which is secured a pin or bolt which is adapted to enter a hole in the upwardly-directed extension of the first-named plate, a knob on said spring-plate, substantially as 30 shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 7th day of October, 1896.

GEORGE VAN DUYN CORNELL.

Witnesses:

WILLIAM G. GILES,
CHARLES E. DUNHAM.