

No. 778,001.

PATENTED DEC. 20, 1904.

S. S. BELL.
WEDGE SASH FASTENER.
APPLICATION FILED MAR. 16, 1904.

NO MODEL.

Fig. 1.

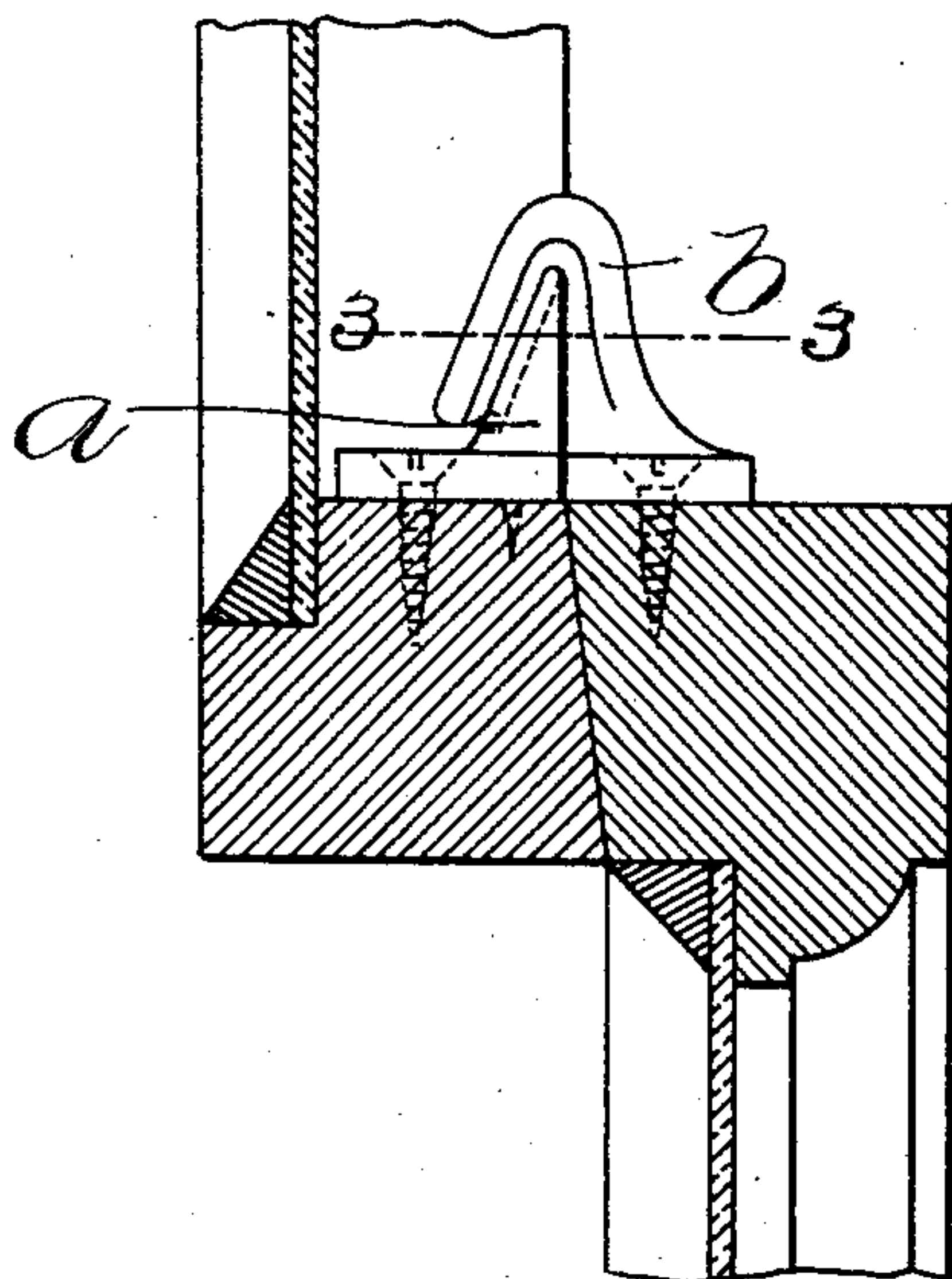


Fig. 2.

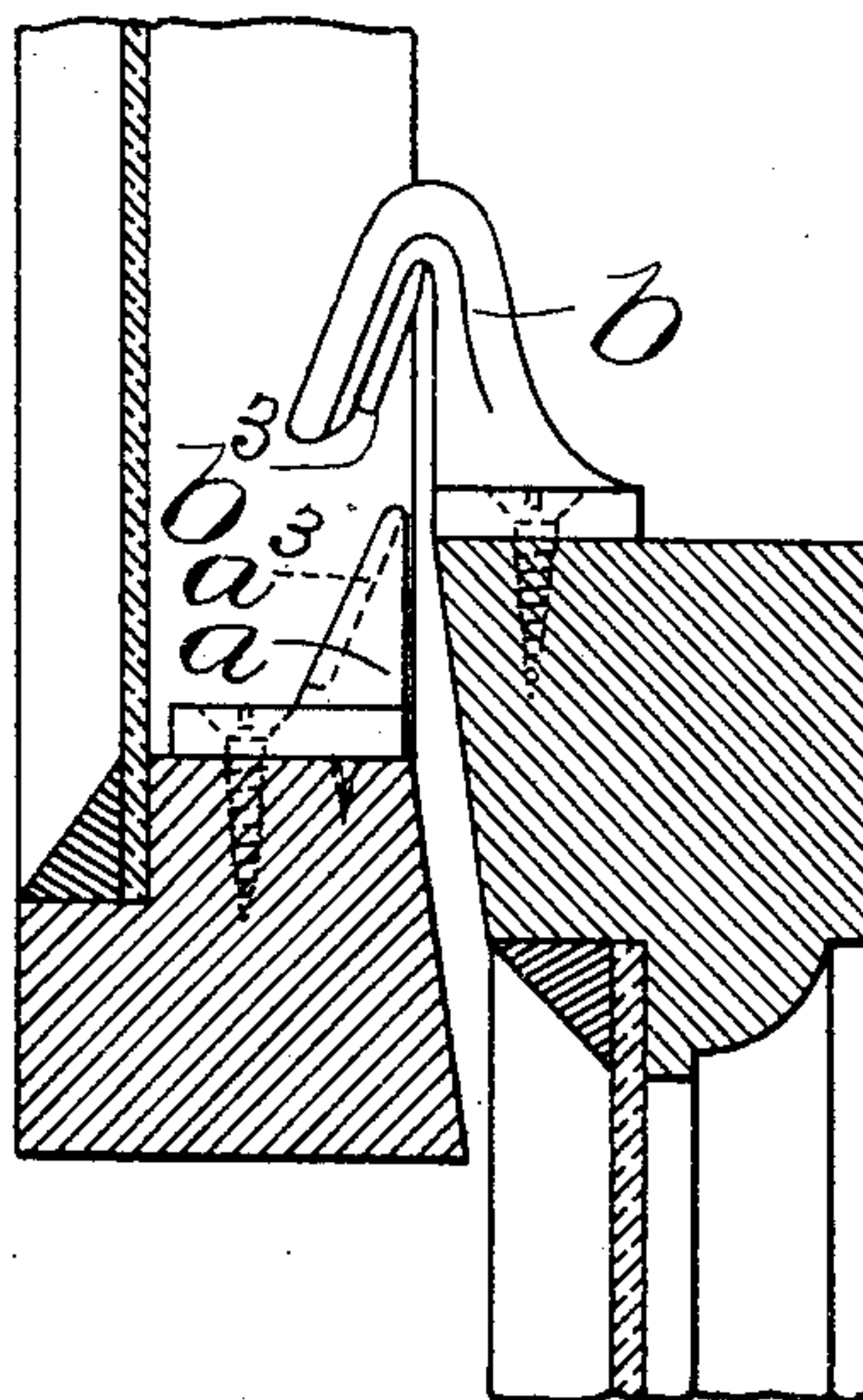


Fig. 3.

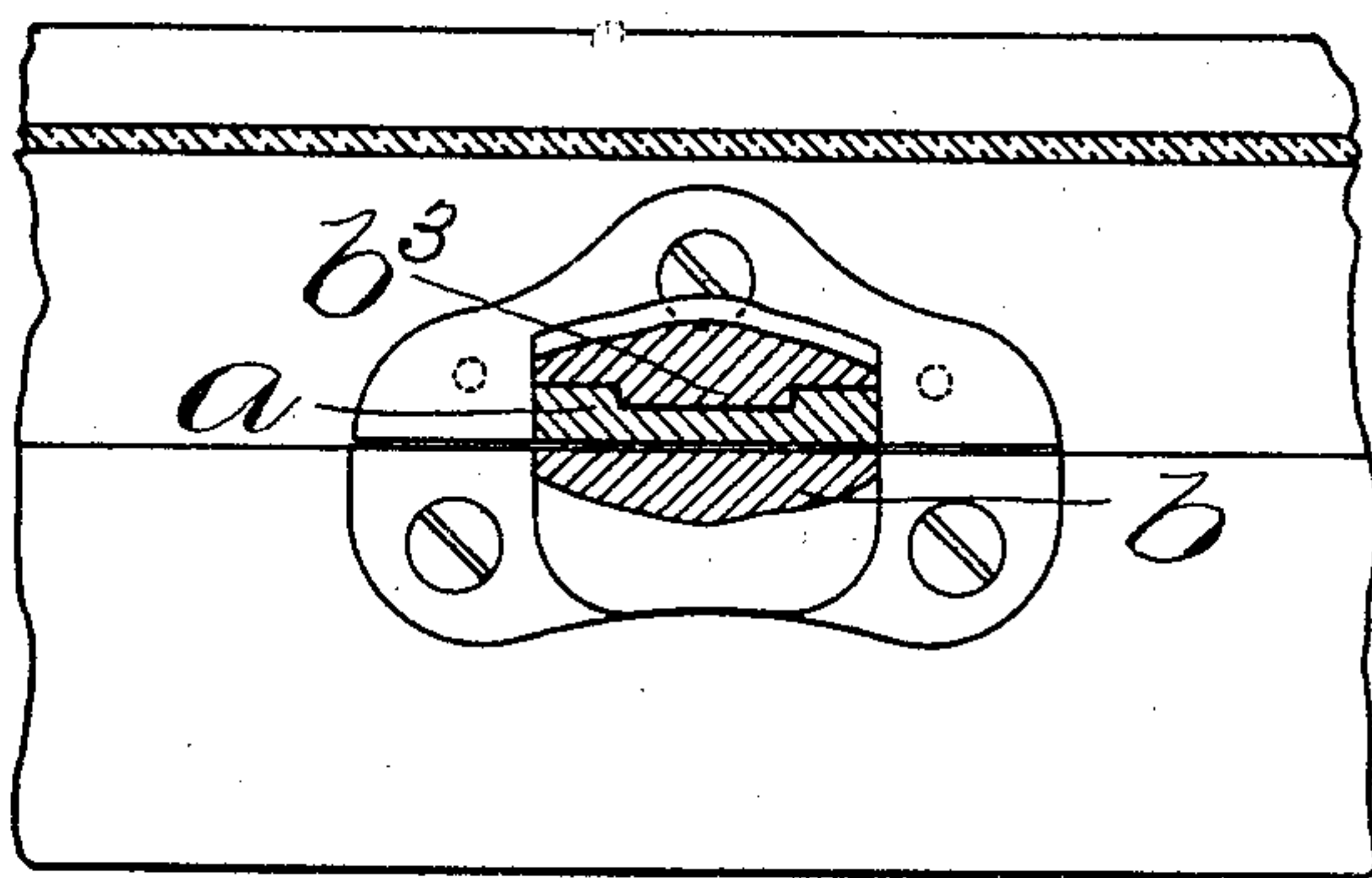
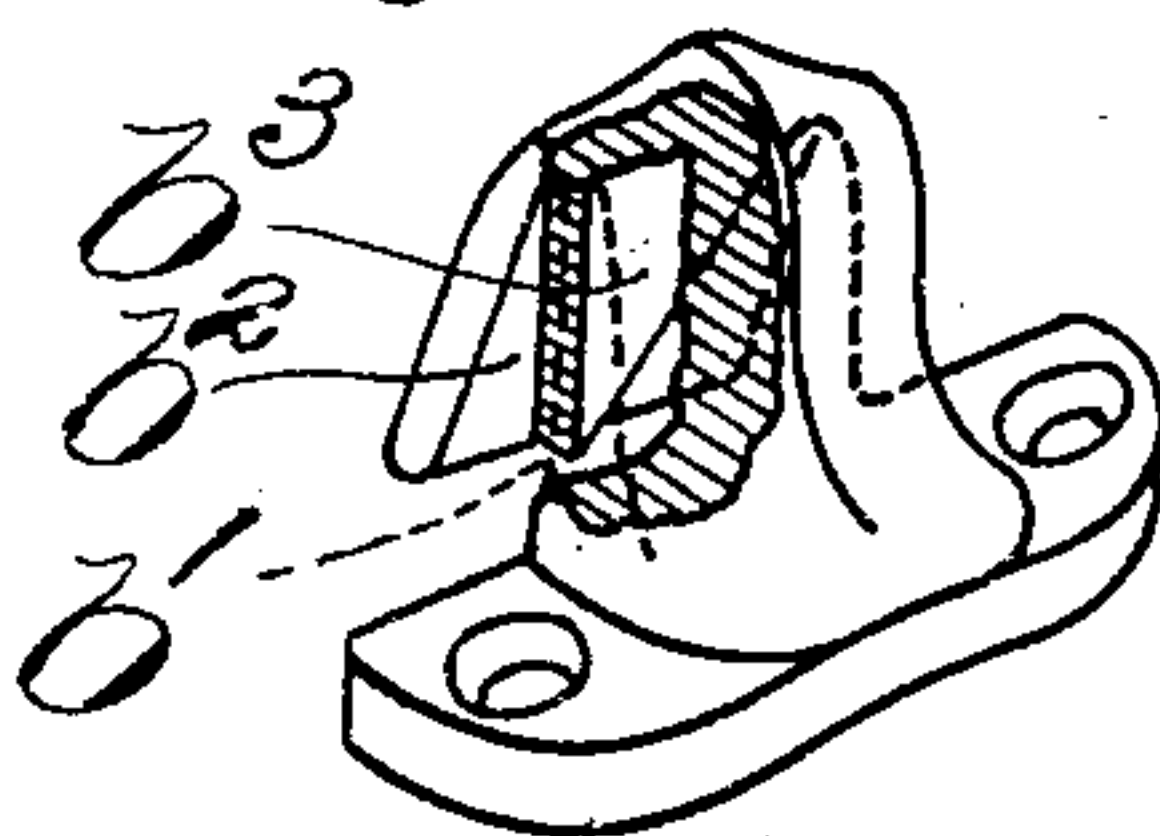


Fig. 4.



Fig. 5.



Witnesses:
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UNITED STATES PATENT OFFICE.

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WEDGE SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 778,001, dated December 20, 1904.

Application filed March 16, 1904. Serial No. 198,419.

To all whom it may concern:

Be it known that I, STEWART S. BELL, of Reading, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Wedge Sash-Fasteners, of which the following is a specification.

This invention relates to sash-fasteners, particularly of that type designed for automatically clamping together the meeting-rails of the upper and lower sashes of a window.

The object of my invention is to provide a fastener of this type which will fasten the meeting-rails of the sashes to each other to prevent not only movement of the sashes toward or from each other, but also prevent any lateral movement of one relatively to the other, whereby rattling of the sashes will be rendered absolutely impossible.

To these ends the invention consists in the construction and combination of parts, substantially as hereinafter described and claimed.

Of the accompanying drawings, forming a part of this specification, Figure 1 represents my improved fastener as applied to the meeting-rails of upper and lower window-sashes, said meeting-rails being shown in section and the two members of the fastener being shown in side elevation and as engaged with each other. Fig. 2 is a view similar to Fig. 1, but showing the parts in the position which they occupy when either one of the sashes has been slightly opened. Fig. 3 represents a section on line 3 3 of Fig. 1. Figs. 4 and 5 are perspective views of the two members of the fastener separated from each other.

Similar reference characters designate similar parts throughout the several views.

The member *a*, which I term the "wedge" member, is provided with a suitable base-plate, by which it may be secured to the upper face of the lower rail of an upper sash, and the member *b*, which I term the "socket"

member, is also provided with a suitable base, by means of which it may be secured to the upper surface of the upper rail of a lower sash.

The member *a* is provided with a substantially vertical face *a'* and an inclined face *a''*, said two faces resulting in forming an upwardly-projecting wedge. The member *b* is provided with a substantially vertical face *b'* and an inclined face *b''*, adapted to coact with the inclined face *a''* of the member *a* when both sashes are closed to firmly clamp the meeting-rails of the two sashes together.

To prevent any lateral movement of one member relatively to the other, and consequently prevent edgewise movement of a sash, I form the inclined face *a''* of the wedge member *a* with a V-shaped recess *a'''*, and on the inclined face *b''* of the socket member *b* I provide a V-shaped projection *b'''*, corresponding in outline with the V-shaped recess *a'''* of the wedge member. These, as will be readily understood, will automatically engage with each other, so as to coact to prevent any relative lateral movement of the sashes.

I claim—

A sash-fastener comprising wedge and socket members for attachment respectively to the lower rail of the upper sash and the upper rail of the lower sash, said members having coöperating inclined faces to draw said rails together when the sashes are closed, one of said members having also a V-shaped recess in its inclined face and the other member having a V-shaped projection on its inclined face to coact with said recess to form a centering device to prevent relative lateral movement of the sashes.

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

STEWART S. BELL.

Witnesses:

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