

No. 896,528.

PATENTED AUG. 18, 1908.

E. E. GABBART.

SASH HOLDER.

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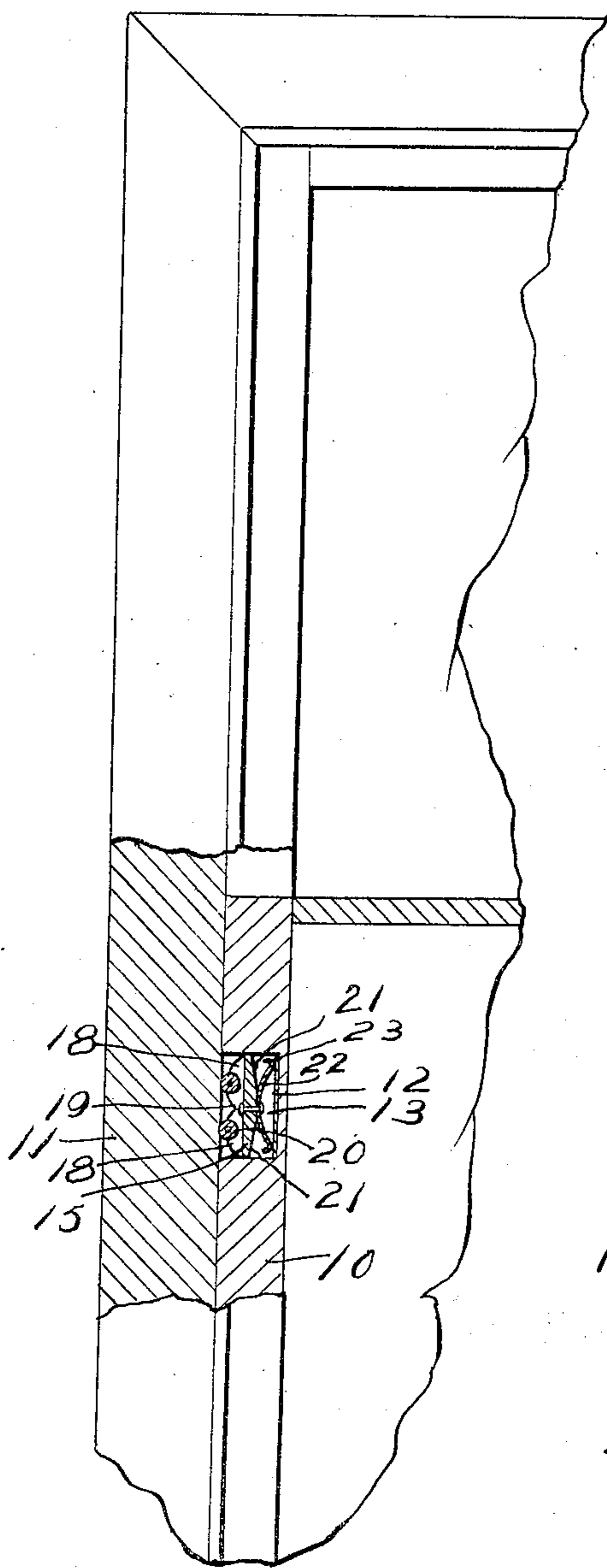


Fig. 1 -

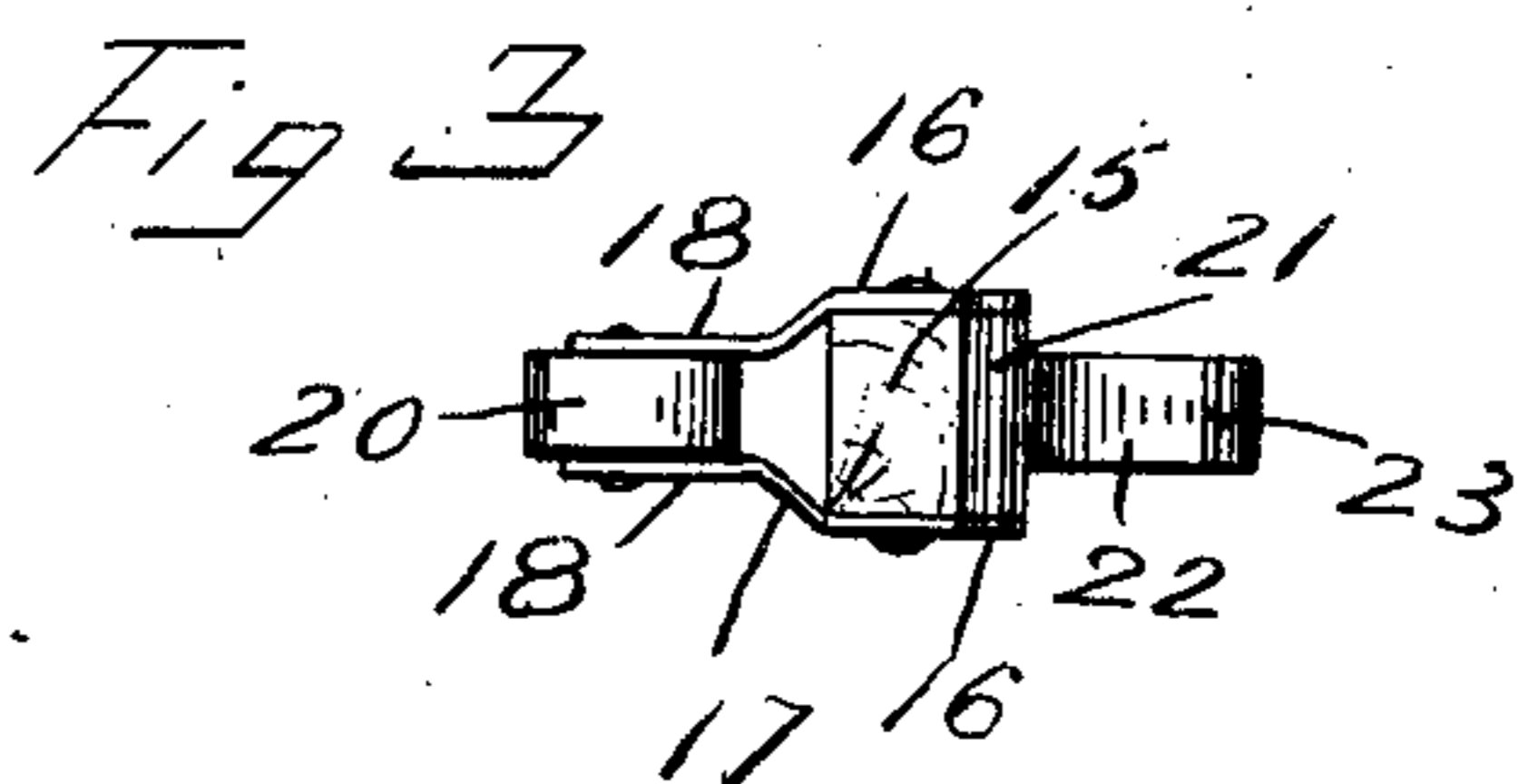
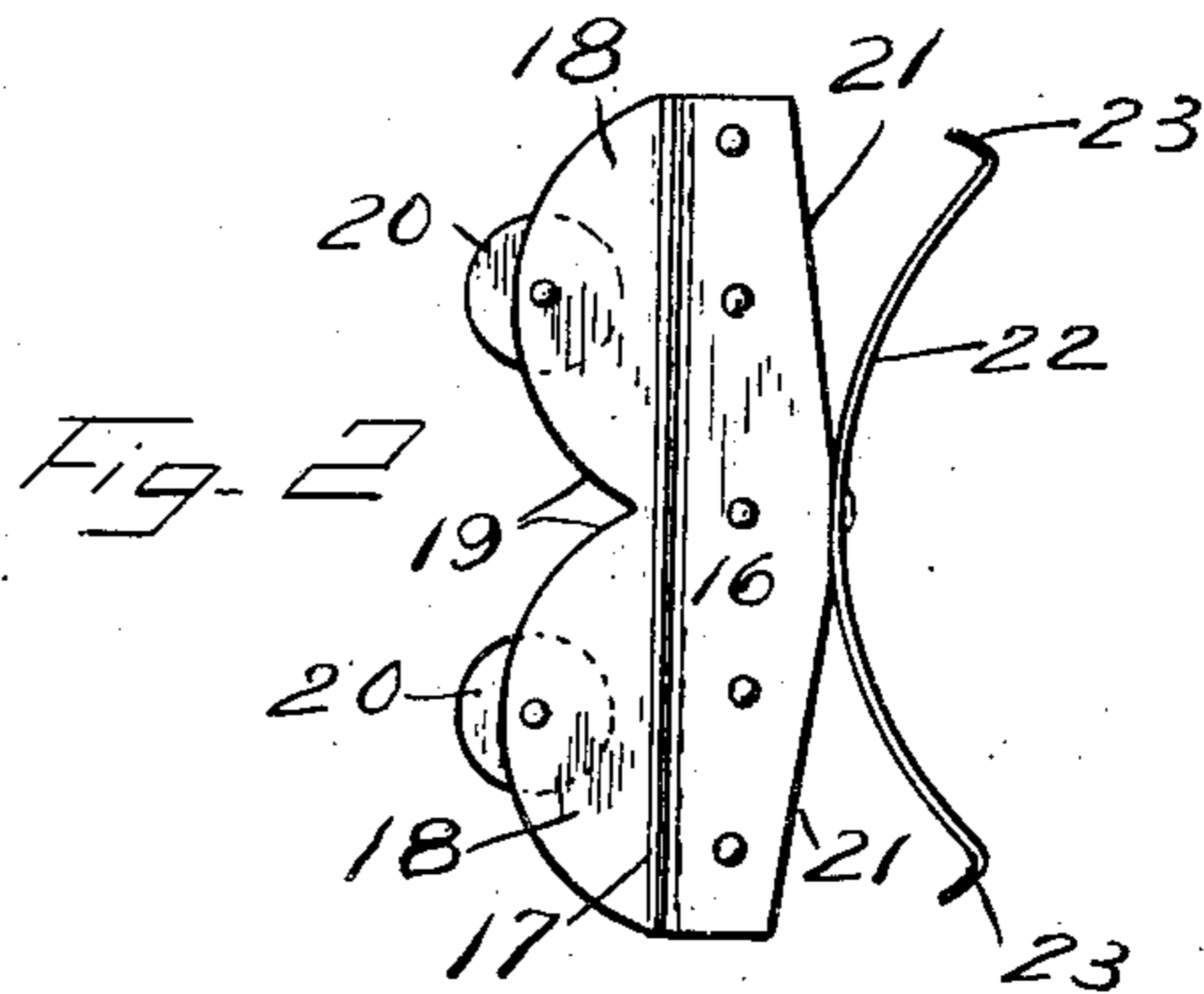
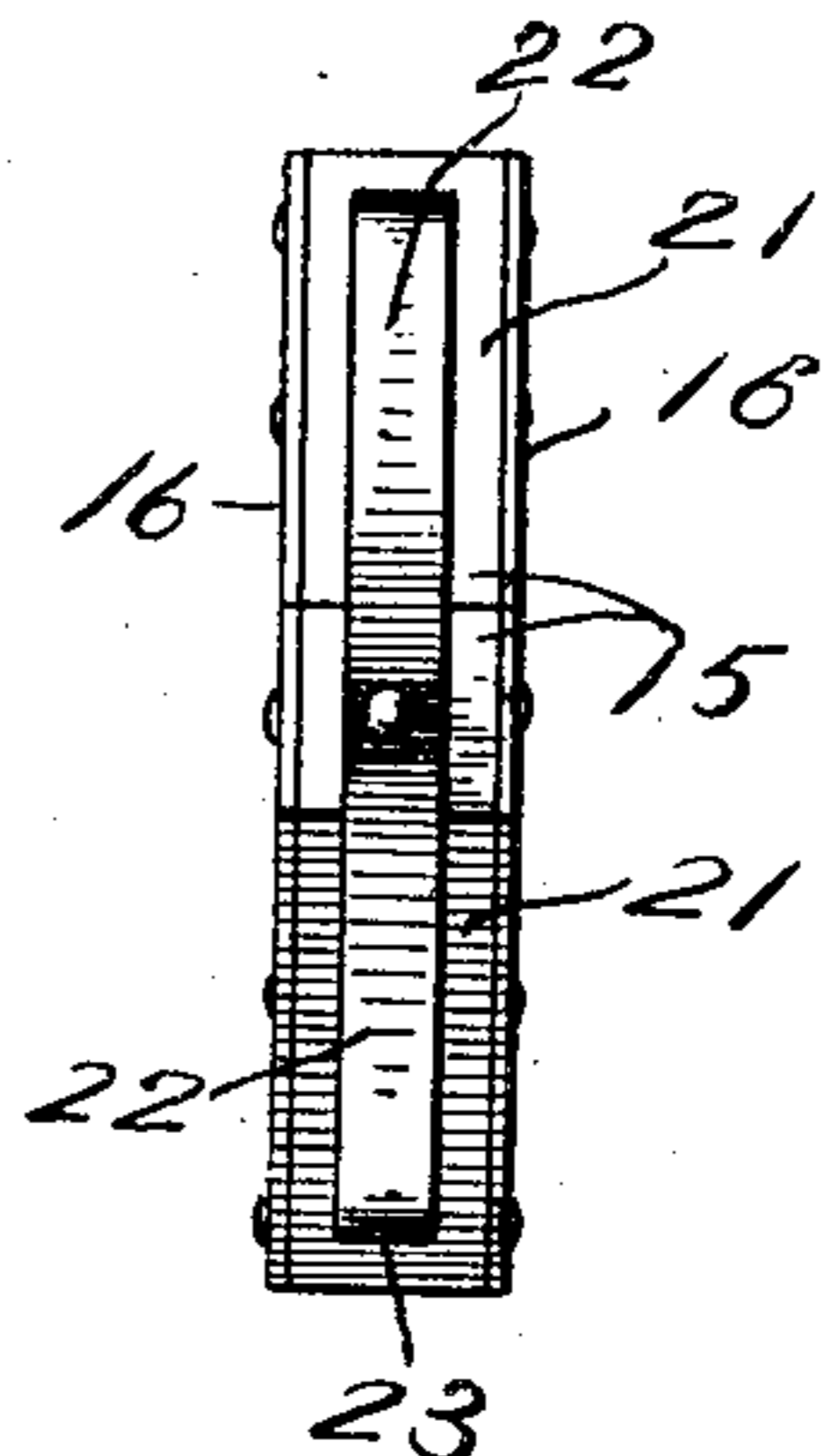
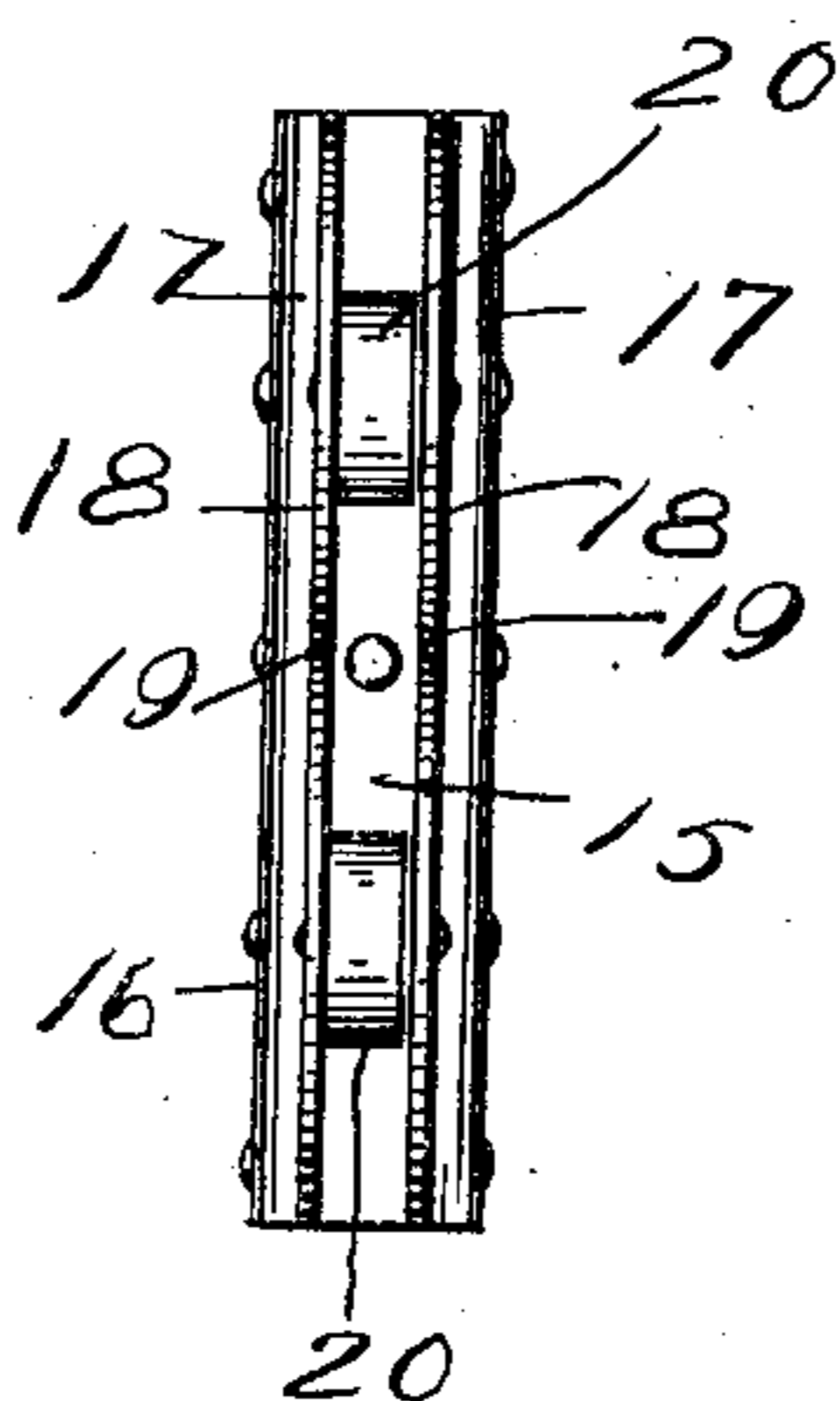


Fig. 5

Fig. 4 -



Witnesses
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UNITED STATES PATENT OFFICE.

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SASH-HOLDER.

No. 896,528.

Specification of Letters Patent.

Patented Aug. 18, 1908.

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To all whom it may concern:

Be it known that I, ELIHU E. GABBART, a citizen of the United States, residing at Salt Gap, in the county of McCulloch, State of Texas, have invented certain new and useful Improvements in Sash-Holders; 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 to sash holders and more particularly to that class which are carried by the stiles of the sash and bear frictionally against the corresponding stiles of the window frame.

The device embodying my invention is in the form of a block to the side faces of which are secured cheek plates portions of these plates being projected beyond one vertical edge of the block and turned inwardly in a direction toward each other, there being rollers journaled between the said projecting portions of the cheek plates and a leaf spring secured at its middle to the other vertical edge of the block mid-way of the ends thereof, the spring being bowed outwardly from the said edge.

One of the novel features of my invention lies in the fact that the projecting portions of the cheek plates are turned in a direction toward each other, the device being in this manner formed of less thickness at that portion whereon the rollers are journaled than at any other portion so that the side walls of the recess or socket in which the device is received will not contact with the ends of the spindles of the rollers and thereby interfere with their rotation.

Another novel feature of the invention lies in the fact that the inner vertical edge of the block is beveled from its middle in the direction of each end, the bowed spring being secured at its middle to the said edge and having its free portions bent or bowed outwardly from the edge, this construction permitting of the device being seated in a comparatively shallow recess or socket, the ends of the bowed spring being bent in the direction of the said vertical edge to which the spring is attached as is usually the case.

In the accompanying drawings, Figure 1 is a vertical transverse sectional view through one side of a window sash and the corresponding side of the window frame showing

the application of the devices embodied in my invention, to the sash, Fig. 2 is a side elevation of one of the devices removed from its seat in the sash, Fig. 3 is a top plan view of the device, Fig. 4 is an inner edge view, and, Fig. 5 is an outer edge view.

In the drawings, there is shown a portion of a window sash, the stiles of the sash being indicated by the numeral 10 and there is also shown the stile 11 of the window frame in which the sash is mounted. As is clearly shown in Fig. 1 of the drawings, the sash stile 10 is formed in its outer end with a recess 12 in which is seated a socket 13, this socket being designed for the reception of the sash holding device embodied in my invention.

The device mentioned above comprises a block 15 to the side faces of which are secured cheek plates 16, the said plates being projected beyond one vertical edge of the block as indicated at 17 and having their said portions turned inwardly toward each other and thence extended in parallel relation as at 18. The vertical edges of the projected portions 17 of the cheek plates are cut in mid-way of their ends as indicated at 19 and journaled between the said projected portions of the cheek plates adjacent their upper and lower ends are rollers 20 which, when the device is in place in its socket, bear frictionally against the adjacent stile of the frame for the sash. The other or inner vertical edge of the block 15 is beveled from its middle in the direction of each of its ends and secured at its middle to the third beveled edge of the block mid-way of the ends of the same is a leaf spring 22 the spring being bowed outwardly from its middle and in a direction from the said vertical edge of the block and having its ends curved back in the direction of the said edge as indicated at 23. The device above described is placed in its socket with the back bent ends 23 of the spring 22 resting against the inner wall of the socket and the rollers bearing frictionally against the stile of the frame for the sash.

It will be observed from the drawings that there is no possibility of the ends of the spindles for the rollers coming in contact with the side walls of the socket inasmuch as the projected portions 17 of the cheek plates are turned inwardly toward each other so as to decrease the thickness of the device at the journals for the rollers and it will also

be observed that owing to the fact that the inner edge of the block 15 is beveled from its middle in the direction of each end, as at 21, only a very shallow socket is required for the device.

What is claimed, is:—

1. A device of the class described comprising a block, cheek plates secured to the side faces of the block and projecting beyond one vertical edge thereof, said projecting portions of the cheek plates being turned in a direction toward each other, rollers journaled between the said projecting portions of the cheek plates, and a spring secured to the other vertical edge of the block.

2. A device of the class described compris-

ing a block, cheek plates secured to the side faces of the block and projecting beyond one vertical edge thereof, rollers journaled between the said projecting portions of the cheek plates, the other vertical edge of the block being beveled from its middle toward its end, and a leaf spring secured at its middle to the said vertical edge of the block midway of the ends thereof and bowed in a direction from the said edge.

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

ELIHU E. GABBART.

Witnesses:

S. W. HUGHES,
W. P. DOTY.