

No. 751,756.

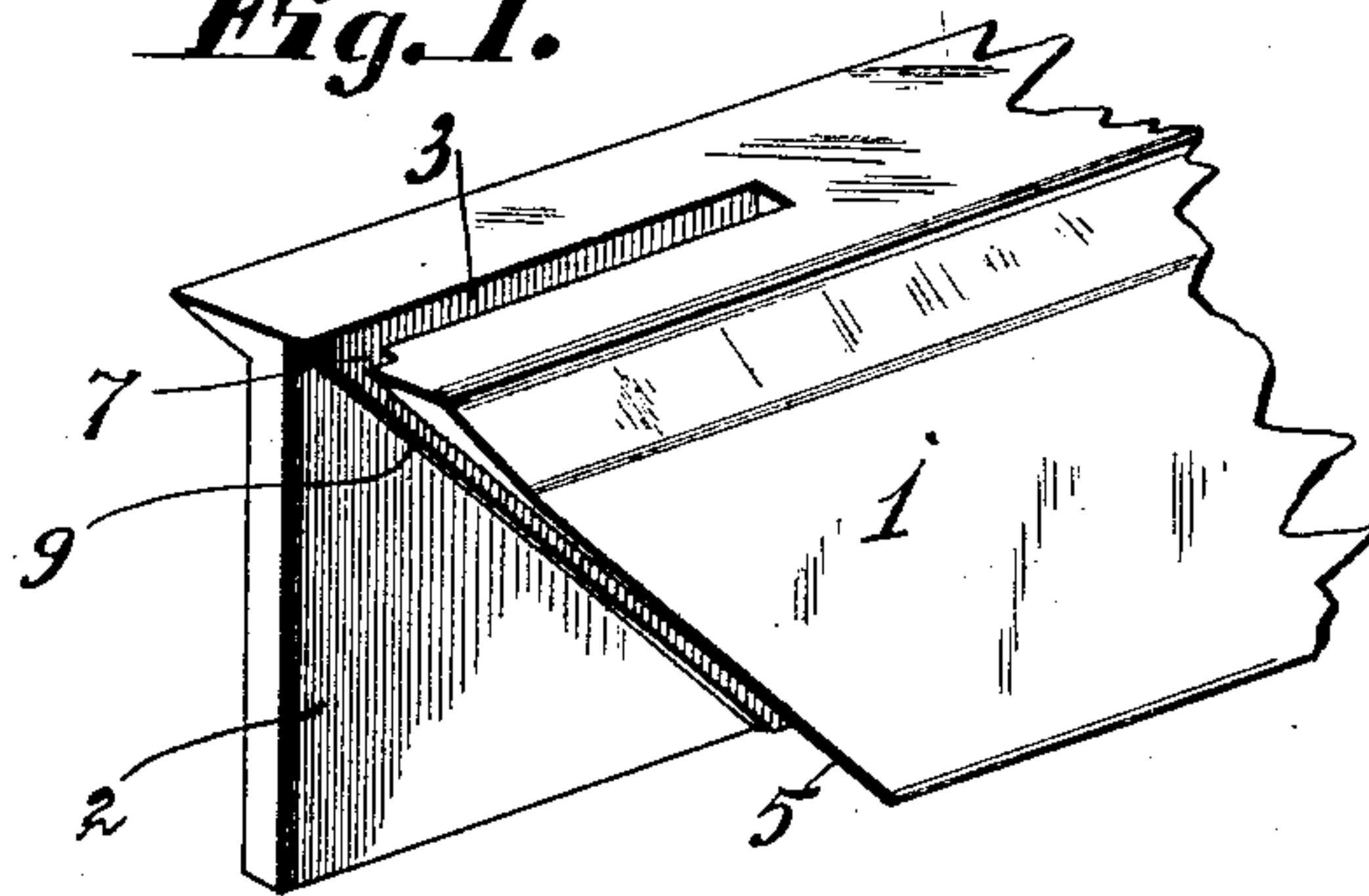
PATENTED FEB. 9, 1904.

W. H. SHAW.  
STRETCHER FRAME FOR PAINTINGS.

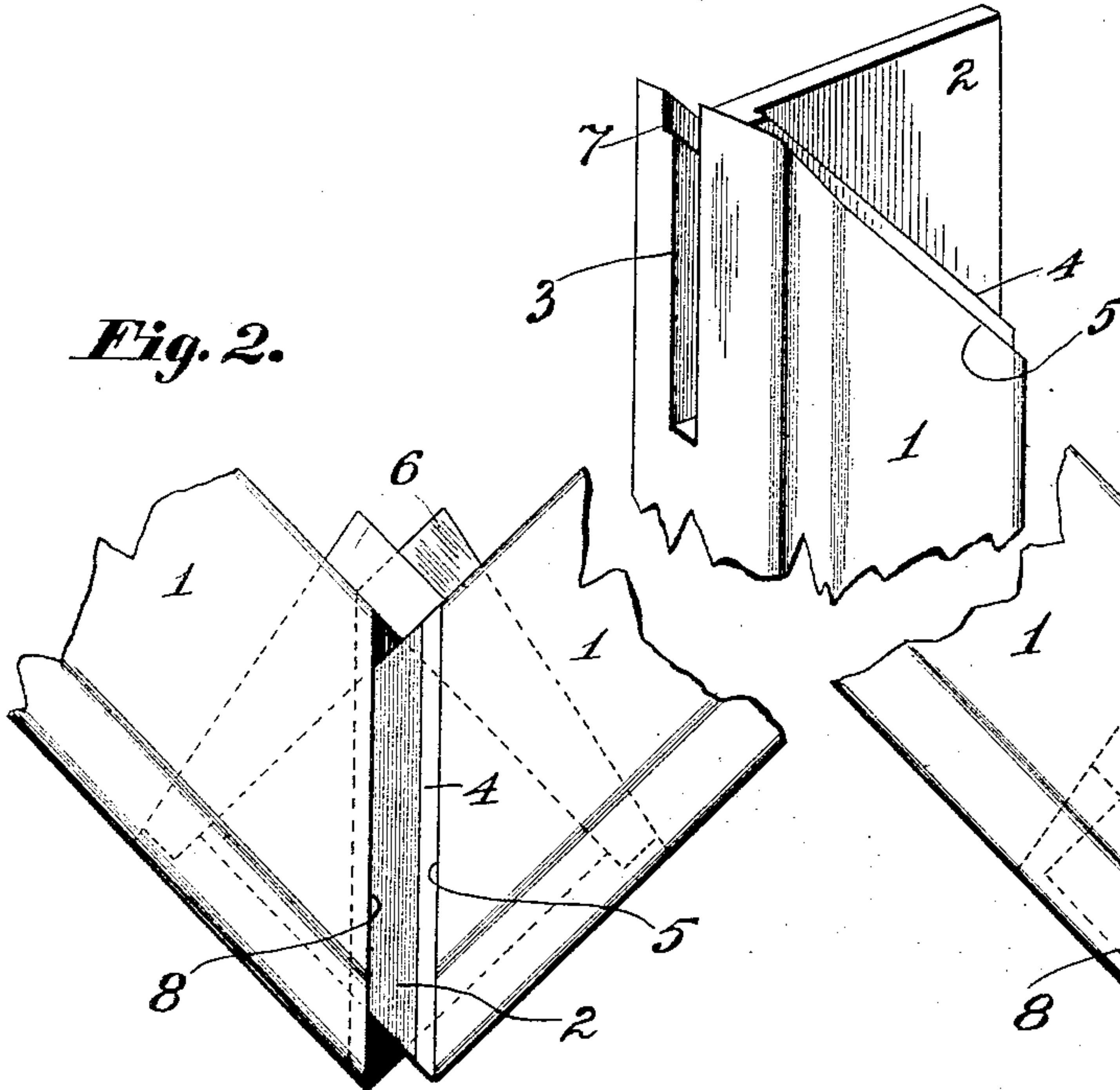
APPLICATION FILED APR. 30, 1903.

NO MODEL.

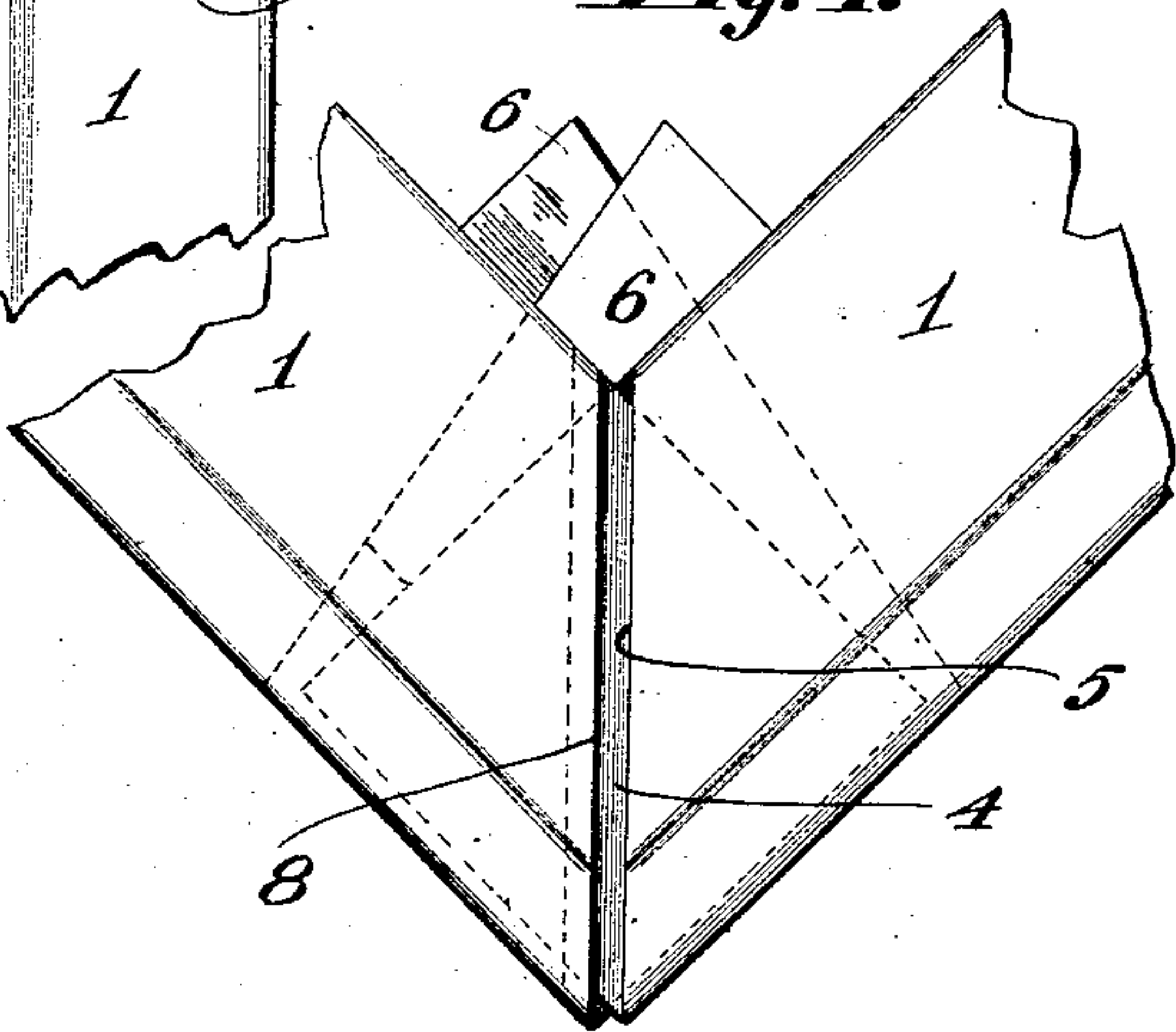
*Fig. 1.*



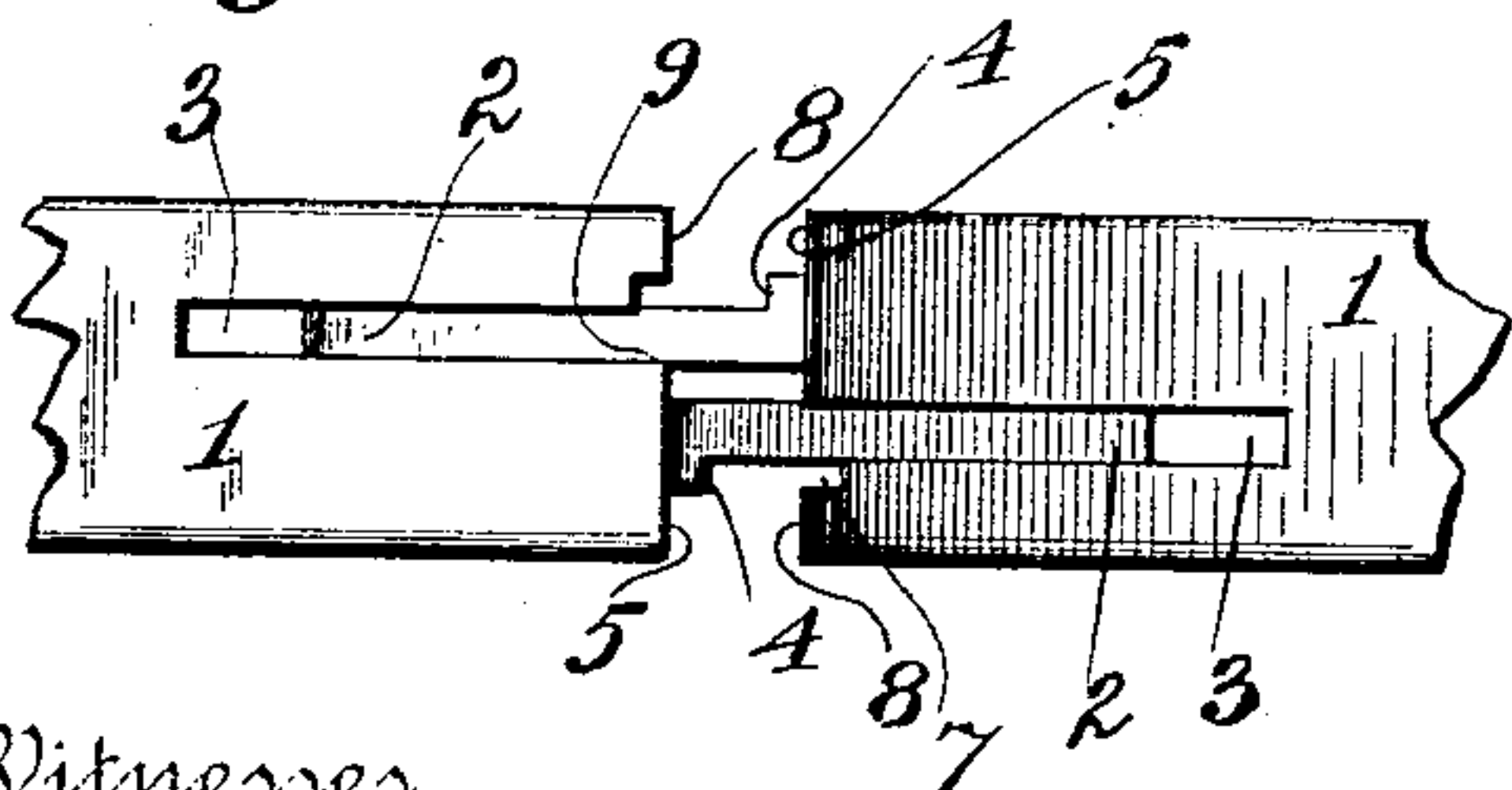
*Fig. 2.*



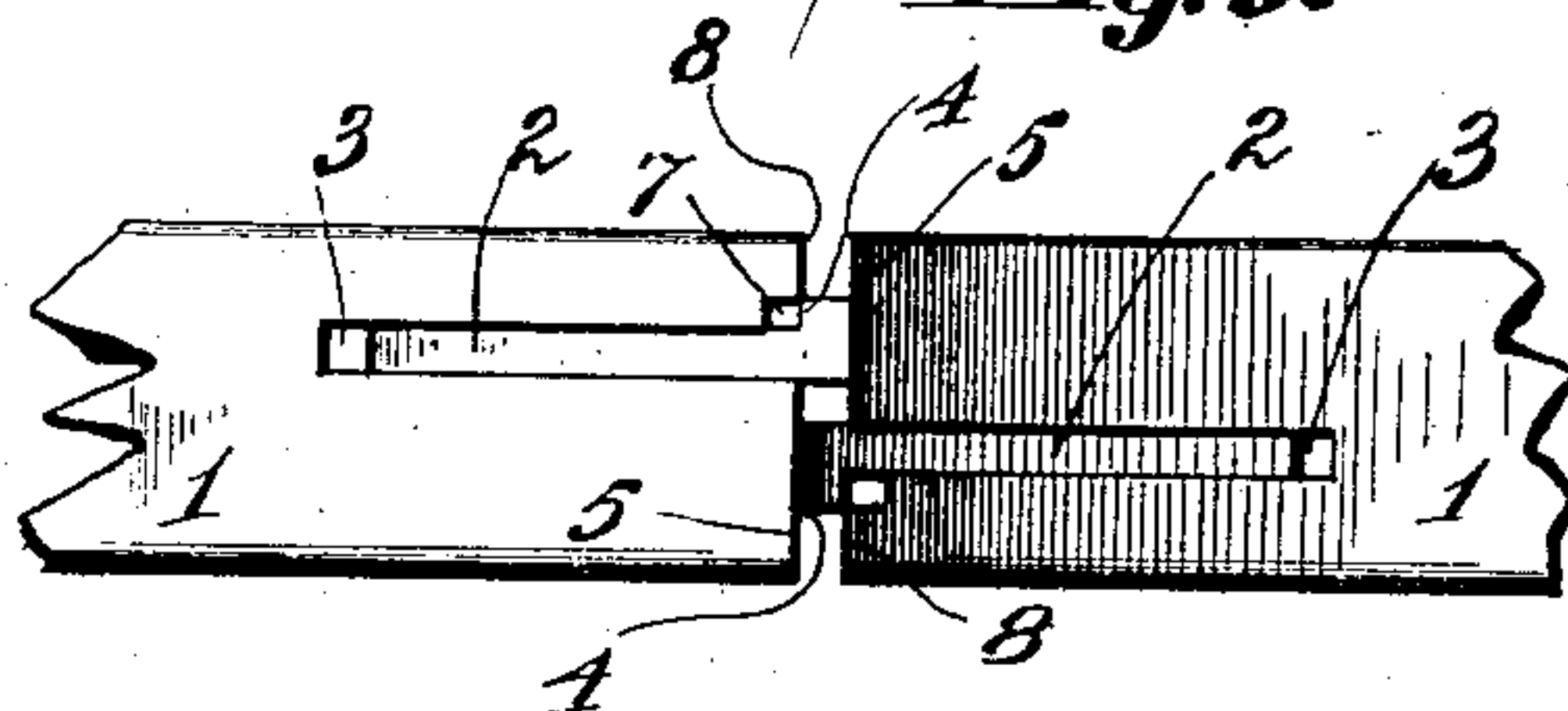
*Fig. 4.*



*Fig. 3.*



*Fig. 5.*



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# UNITED STATES PATENT OFFICE.

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## STRETCHER-FRAME FOR PAINTINGS.

SPECIFICATION forming part of Letters Patent No. 751,756, dated February 9, 1904.

Application filed April 30, 1903. Serial No. 154,954. (No model.)

*To all whom it may concern:*

Be it known that I, WALLACE H. SHAW, a citizen of the United States, and a resident of the city of Brooklyn, county of Kings, and State of New York, have invented certain new and useful Improvements in Stretcher-Frames for Paintings, of which the following is a specification.

My invention relates to stretcher-frames for paintings, and has for its principal objects to make a stronger joint and to improve the construction of the frame generally.

It consists in the construction hereinafter described and claimed.

In the accompanying drawings, which form part of this specification, and wherein like symbols refer to like parts wherever they occur, Figure 1 is a perspective view of interlocking corner-sections separated. Figs. 2 and 4 are side views of a corner with the sections interlocked at different degrees; and Figs. 3 and 5 are edge views of the corners as shown in Figs. 2 and 4, respectively.

My stretcher-frame comprises four bars 1, having their ends interlocking at different angles. Each end of the bars 1 has a tongue 2 and a groove 3 formed thereon in proper relation to interlock with the tongue and the groove of the bar which connects therewith. The tongue 2 is of triangular shape and is formed by cutting away the sides of the end portion of said bar at an angle of forty-five degrees, thereby leaving the uncut portion projecting to constitute the tongue 2. At the base of said tongue is a shoulder 4, parallel with the miter or beveled end 5 of said bar. The groove 3 also is of triangular shape to correspond with the shape of the tongue interlocking therewith. For this purpose the groove is formed by cutting a kerf-slot in the beveled end of the bar parallel with the end of the projecting tongue. Instead of the base of the kerf-slot being at right angles to the side of the bar it is preferably cut farther down on the side of the bar, which is the inner side of the frame—that is, the side where the tongue is longest. The purpose of thus cutting the groove or slot is to permit a triangular key or wedge 6 to be inserted therein for spreading and separating the bars of the frame.

The groove 3 has a rabbet 7 at its upper edge parallel with the miter or beveled end 8 adjacent to said groove. The groove is in position to interlock with the tongue 2 of a connecting-bar, and the rabbet 7 is formed in said groove to accommodate the shoulder 4 on the tongue 2. Between said tongue and said groove 3 is a shoulder 9. These shoulders 4 and 9 on each side of said tongue constitute a miter-joint as well as the tongue-and-groove connection.

In assembling the frame permanently the joints are usually glued together. For this purpose the tongue is usually dipped into a liquid glue and then inserted into groove. Obviously by this process a considerable portion of the glue is scraped off of the sides of the tongue and brushed to the bottom of the groove. In the present construction the angles formed by the shoulders furnish pockets for the glue and afford a larger bearing-surface for the glue to act upon.

What I claim is—

1. A stretcher-frame bar having a tongue and a groove on each end thereof in proper relation to interlock with a tongue and a groove on the bar connecting therewith, said groove being rabbeted, substantially as described.

2. A stretcher-frame bar having a tongue and a groove on each end thereof in proper relation to interlock with a tongue and a groove on a similar bar, said groove being rabbeted and having its bottom incline downwardly toward the inner edge of said bar, substantially as described.

3. A stretcher-frame bar having a tongue and a groove on each end thereof in proper relation to interlock with a tongue and a groove upon a similar bar, said tongue having shoulders on each side thereof, and said groove being rabbeted and inclined downwardly to permit a wedge to be inserted therein when said bars are interlocked, substantially as described.

WALLACE H. SHAW.

In presence of—

ROBT. B. KILLGORE,  
WM. W. SHAW.