

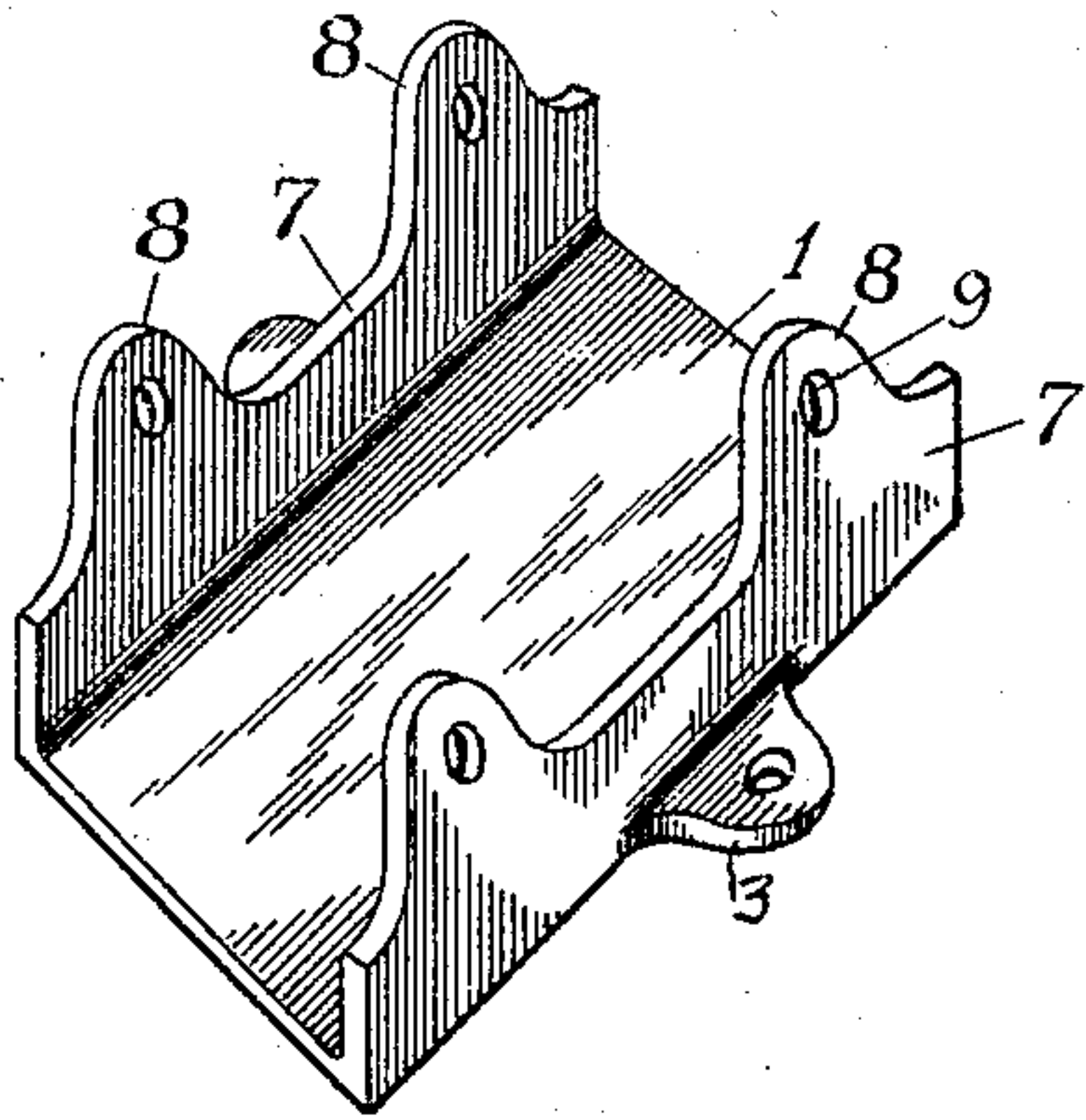
No. 765,382.

PATENTED JULY 19, 1904.

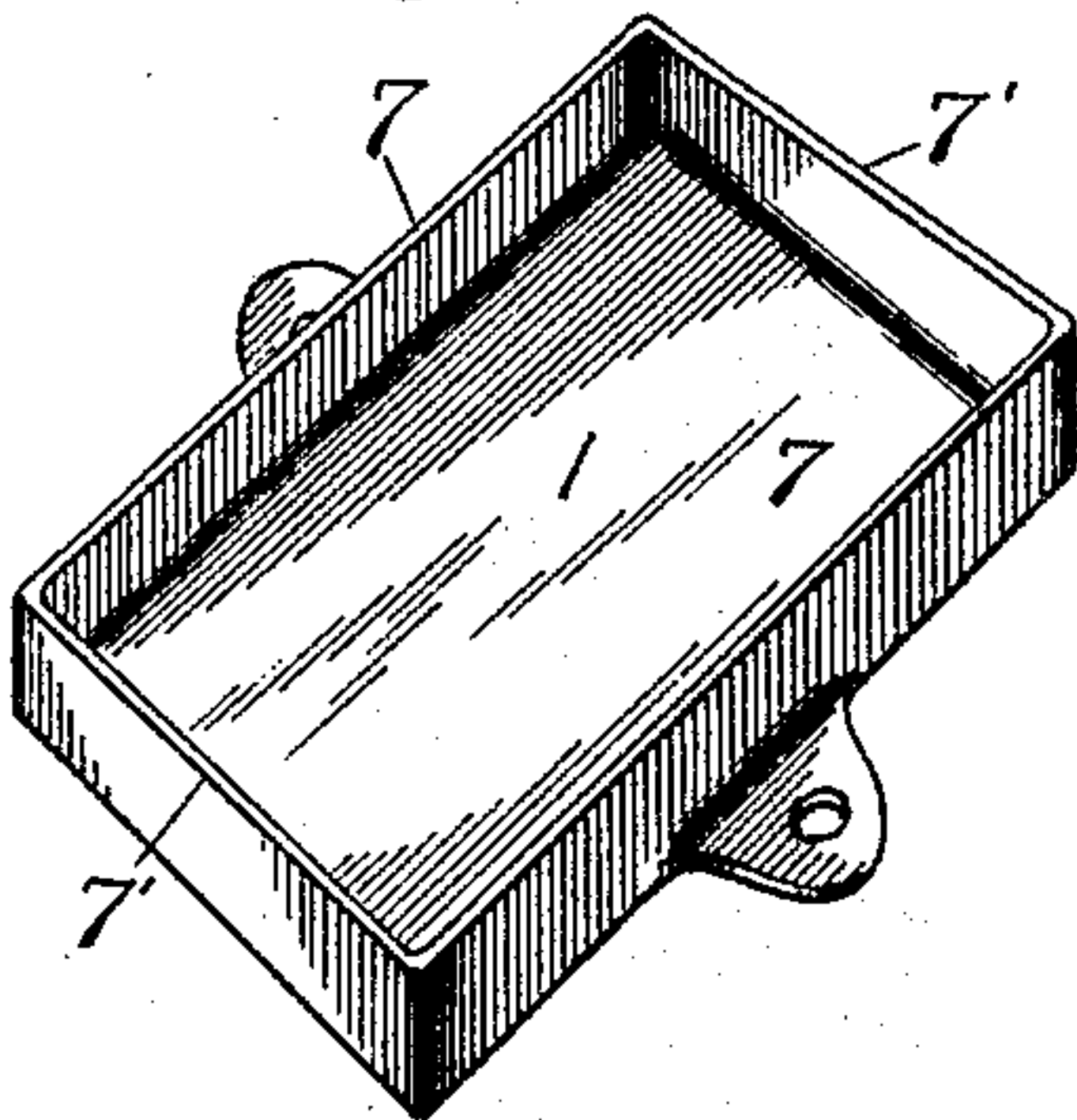
J. R. FLEMING.  
END SUPPORTING BRACKET.  
APPLICATION FILED MAY 18, 1903.

NO MODEL.

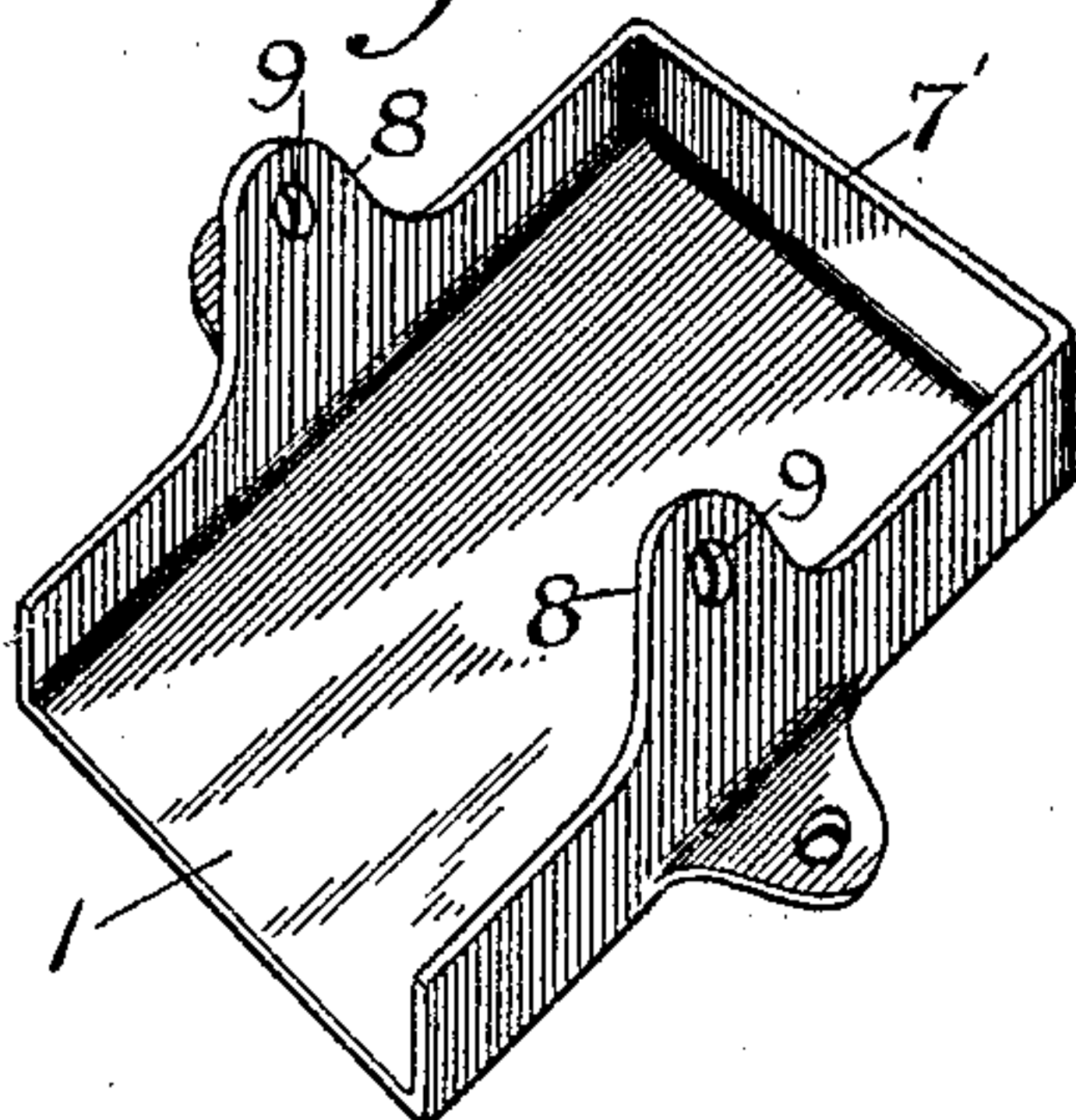
*Fig. 1.*



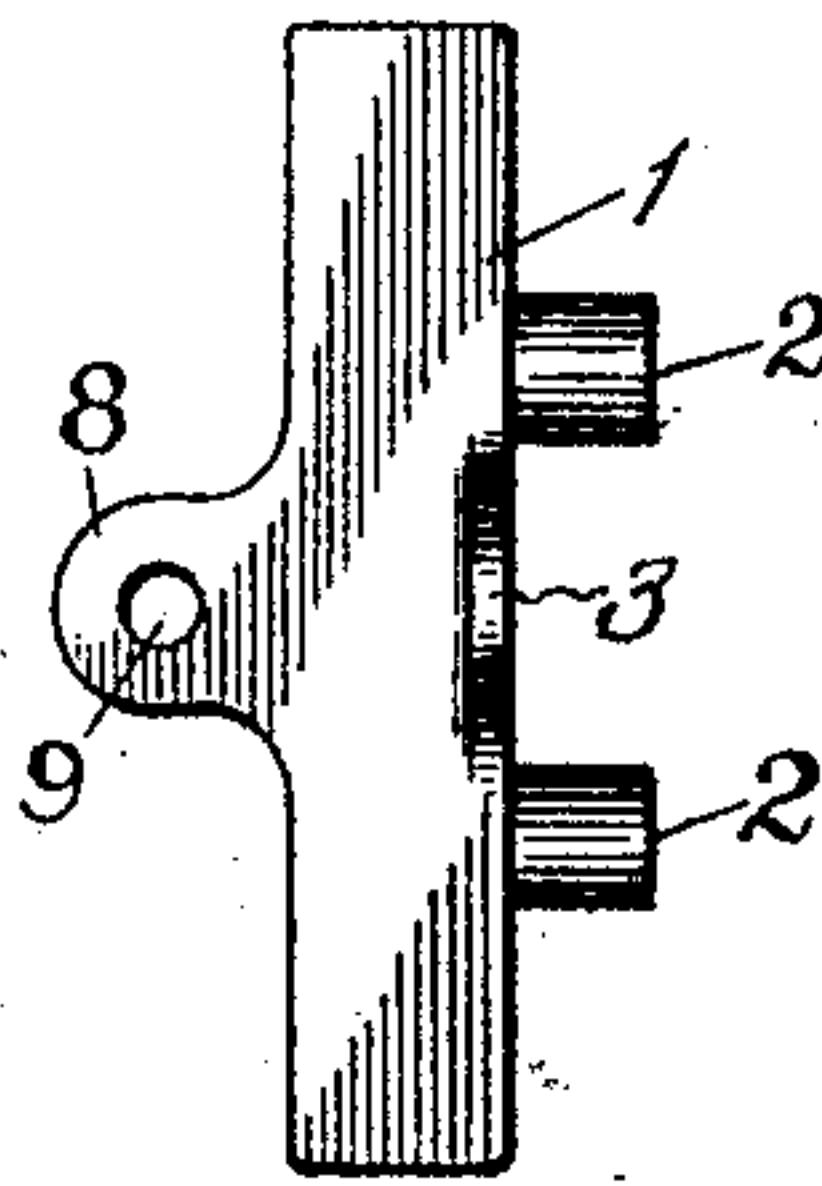
*Fig. 2.*



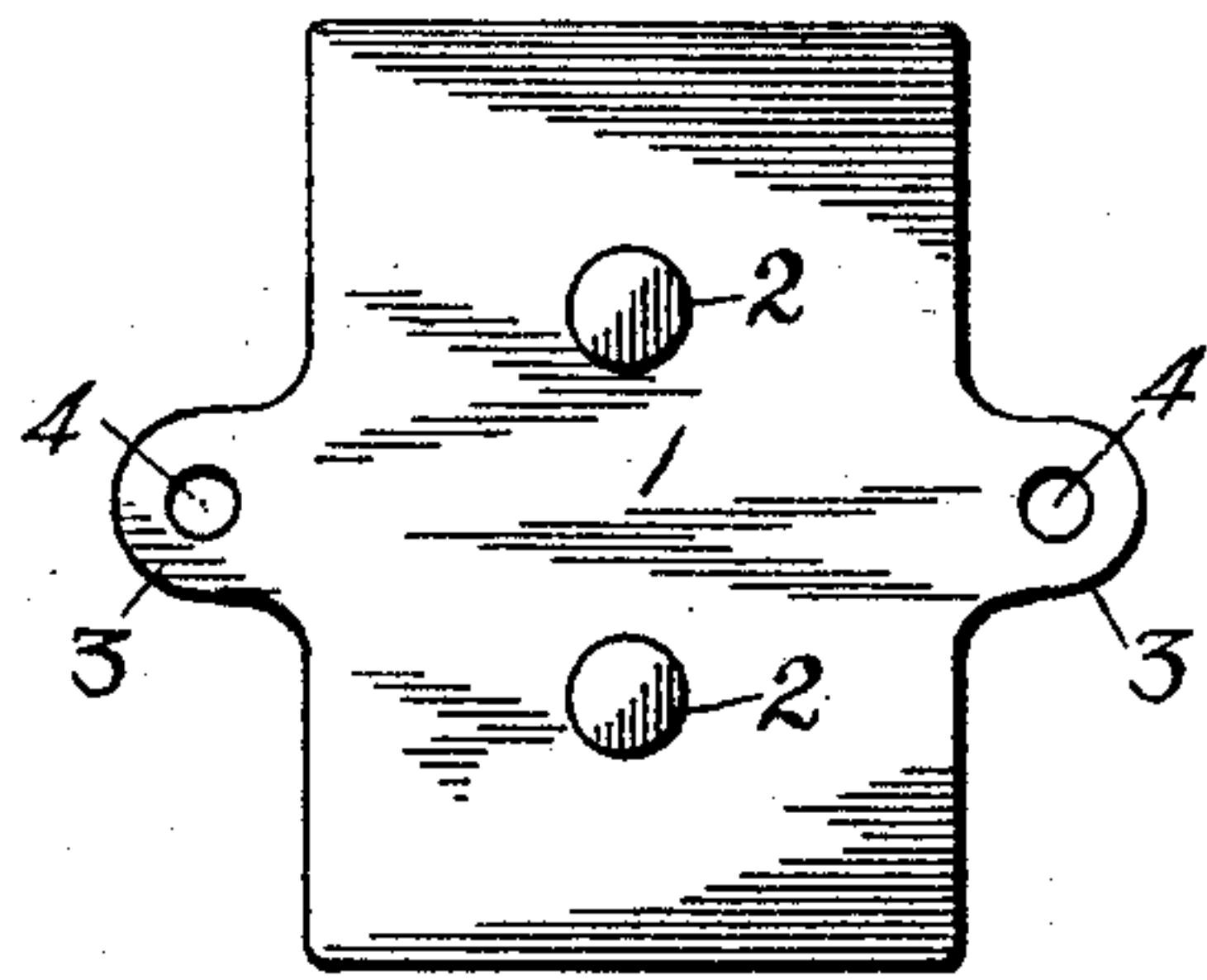
*Fig. 3.*



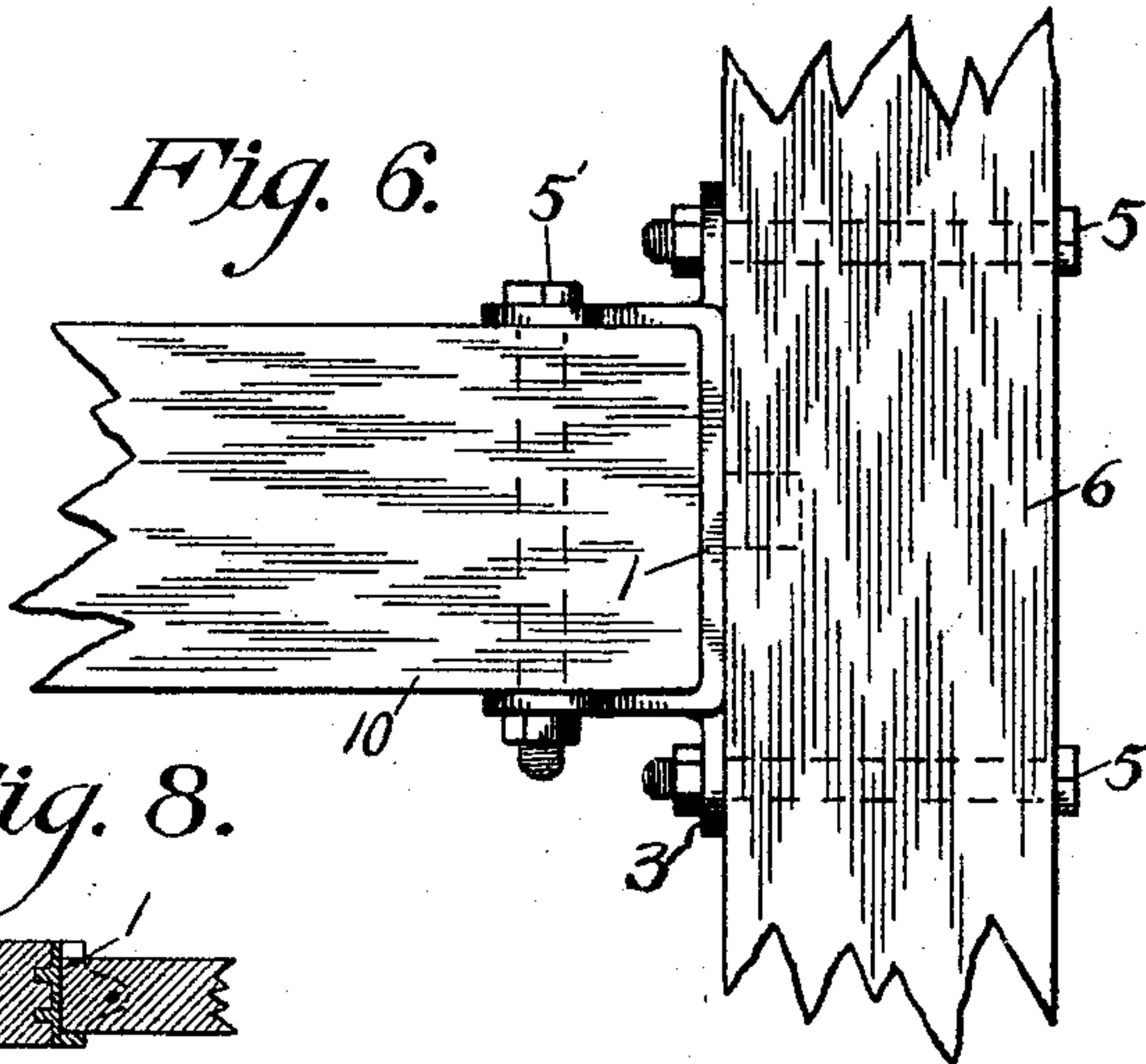
*Fig. 4.*



*Fig. 5.*



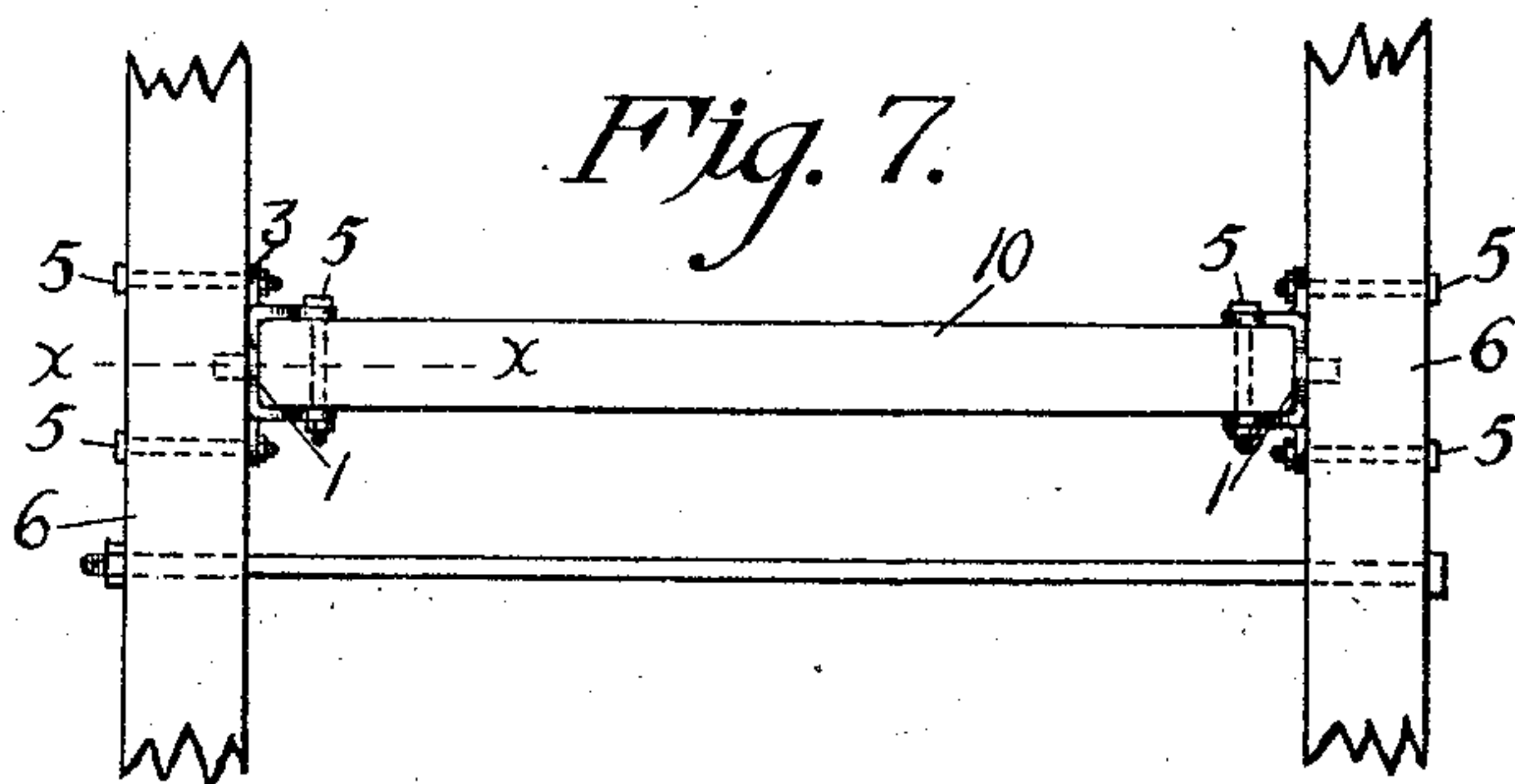
*Fig. 6.*



*Fig. 8.*



*Fig. 7.*



Witnesses  
J. L. Lacey  
S. C. Vesey

By

James R. Fleming  
D. H. Repley  
Attorney



# UNITED STATES PATENT OFFICE.

JAMES R. FLEMING, OF SCRANTON, PENNSYLVANIA.

## END-SUPPORTING BRACKET.

SPECIFICATION forming part of Letters Patent No. 765,382, dated July 19, 1904.

Application filed May 18, 1903. Serial No. 157,585. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES R. FLEMING, a citizen of the United States, residing at Scranton, in the county of Lackawanna and State of Pennsylvania, have invented certain new and useful Improvements in End-Supporting Brackets, of which the following is a specification.

This invention relates to metallic brackets suitable for joining the framework of furniture, car-bodies, boxes, tanks, or buildings; and the objects of the invention are to provide a bracket suitable to supporting a cross-piece, joining parallel sills or frame members, to render said cross-piece capable of carrying heavy loads, to incase the ends of cross-beams to make more tenacious joints, to facilitate the work of framing, and to improve such brackets generally.

To these ends the invention consists of the arrangement, construction, and combination of parts as are herein set forth and illustrated in the drawings, in which—

Figure 1 is a view in perspective of one of my brackets complete. Fig. 2 is a similar view of a modification of the same. Fig. 3 is an additional similar view of another modification of the same. Fig. 4 is an edge elevation of one of my brackets particularly constructed like that shown in Fig. 3. Fig. 5 shows an under side view of my bracket as used in all the forms. Fig. 6 is a top edge view of one of my brackets applied to the joining of timbers. Fig. 7 is a minified view showing a pair of my brackets in use. Fig. 8 is a view in cross-section of one of my brackets, taken on the line *x x* of Fig. 7.

Similar characters of reference denote like and corresponding parts throughout the several views.

Referring to the drawings, 1 denotes the bottom plate or base of my bracket, which has integrally constructed therewith anchoring-studs 2 2, designed to be sunk into one of the cross-timbers to be joined. Integrally constructed therewith are also lugs 3 3, having bolt-holes 4 4, through which the bolts

may be passed in connecting the bracket to the beam 6, to which the bracket is to be joined. The bracket is further provided with side flanges 7 7, to which may be attached a requisite number of lugs 8 8, &c., having bolt-holes 9 9, &c., designed to accommodate the bolt 5, which secures the bracket to the cross-timber 10, the ends of which are intended to be supported. In the substitute form shown in Fig. 2 the flange extends across the ends of the bracket, as shown at 7' 7', and in the substitute shown in Fig. 3 one of the end flanges 7' is omitted.

In using the bracket where the end to be supported may be required to be slid into the bracket from either direction both end flanges are omitted, as shown in Fig 1, and where the end of the beam to be supported may be extended into the bracket endwise the bracket may be constructed in the box form shown in Fig 2; but where the end to be supported must be dropped downward or slips into the bracket from one direction the form shown in Fig. 3 is preferred. In all the forms of the bracket the ends of the cross-beam are securely embedded within the walls or flanges of the bracket, and the bracket is securely bolted and anchored to the parallel sills which are to be joined.

I do not wish to be confined to the exact construction described, as it may be further varied without departing from the general spirit of my invention.

What I claim, therefore, and desire to secure by Letters Patent, is—

An end-supporting bracket comprising a base-piece having anchoring-studs, lugs extending from the base on a plane with the base, flanges standing at right angles to the base and lugs formed integral with and on the plane of the flanges.

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

JAMES R. FLEMING.

Witnesses:

C. A. PARTRIDGE,  
CARL S. REPLOGLE.