

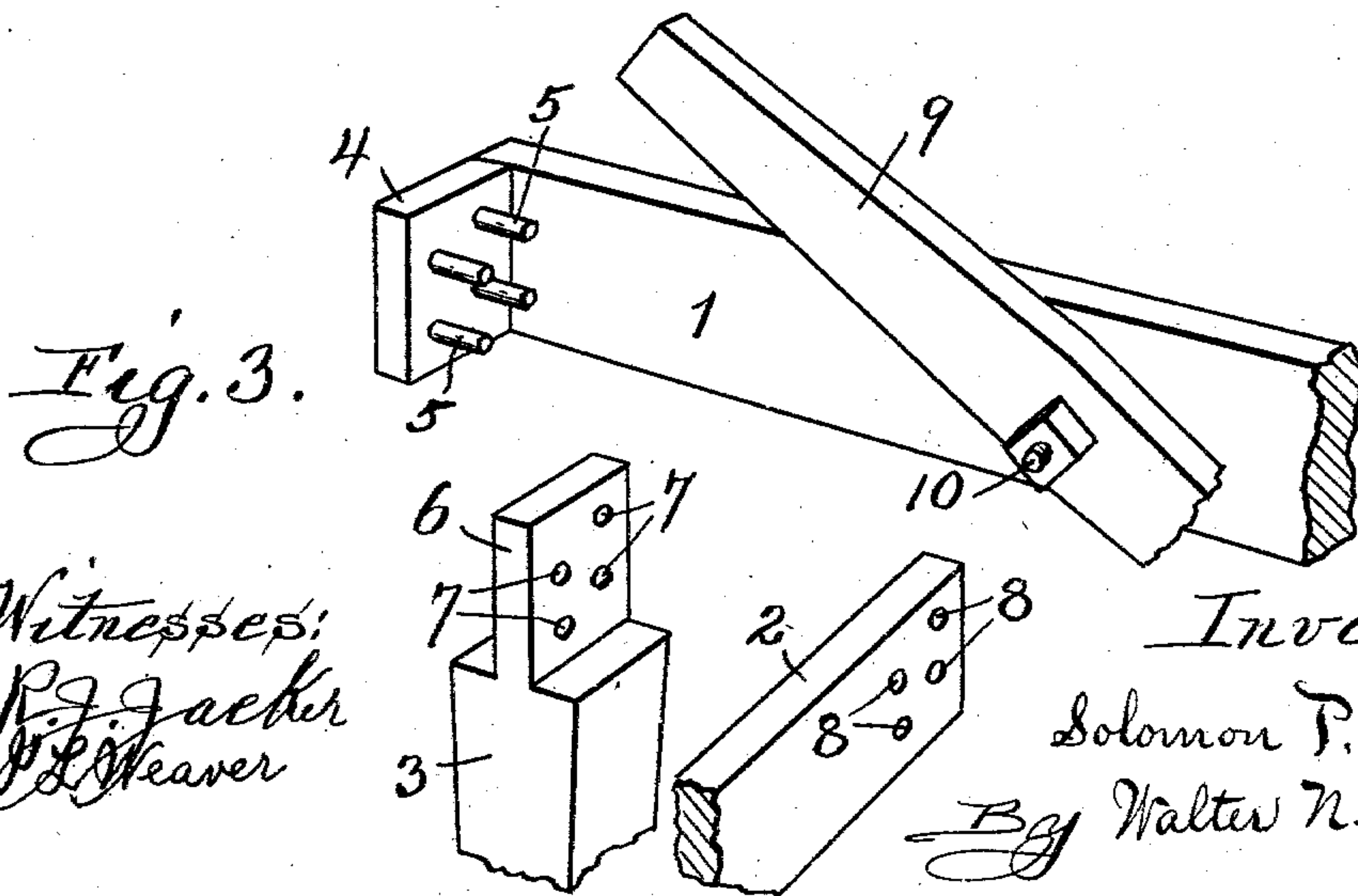
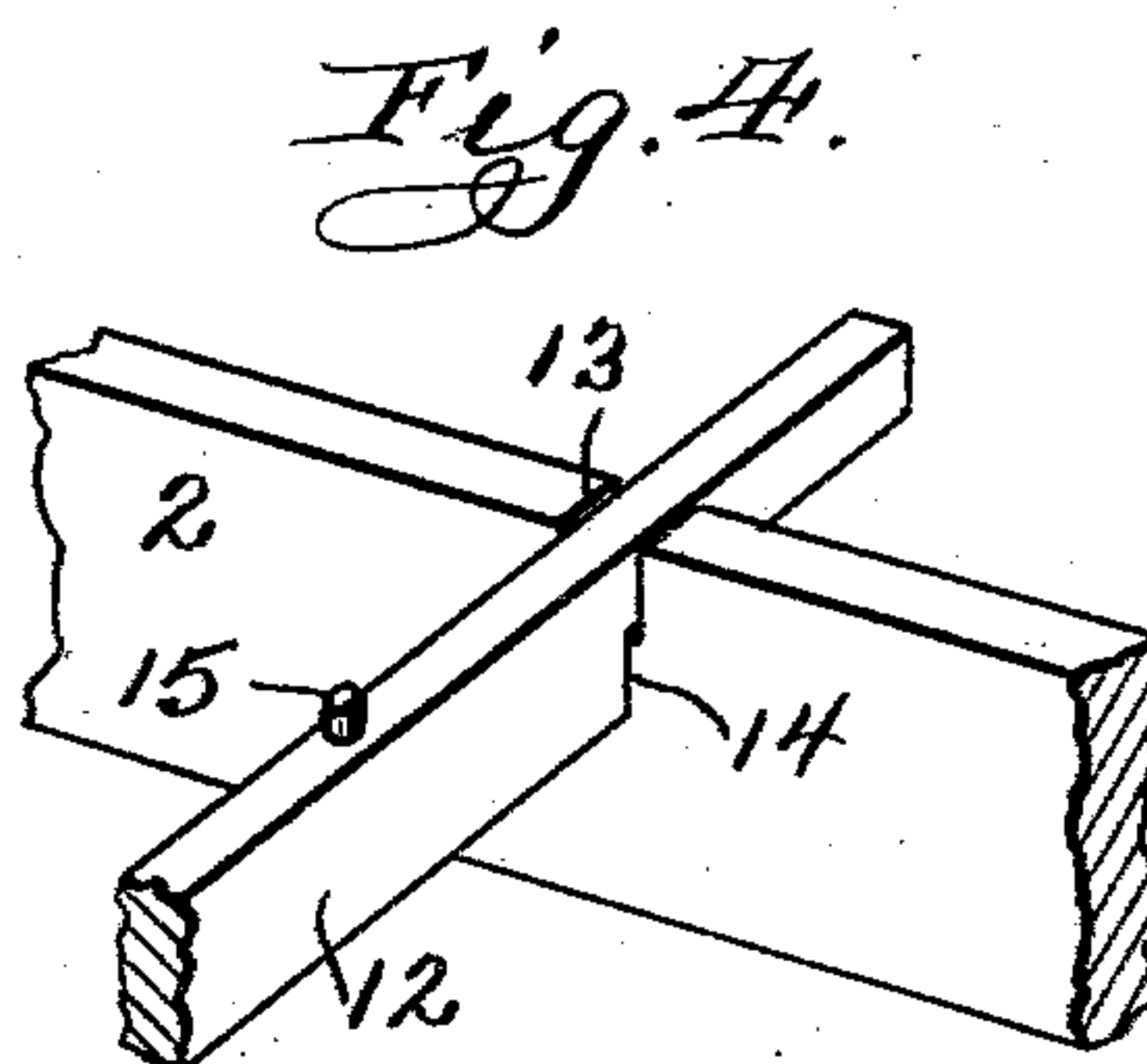
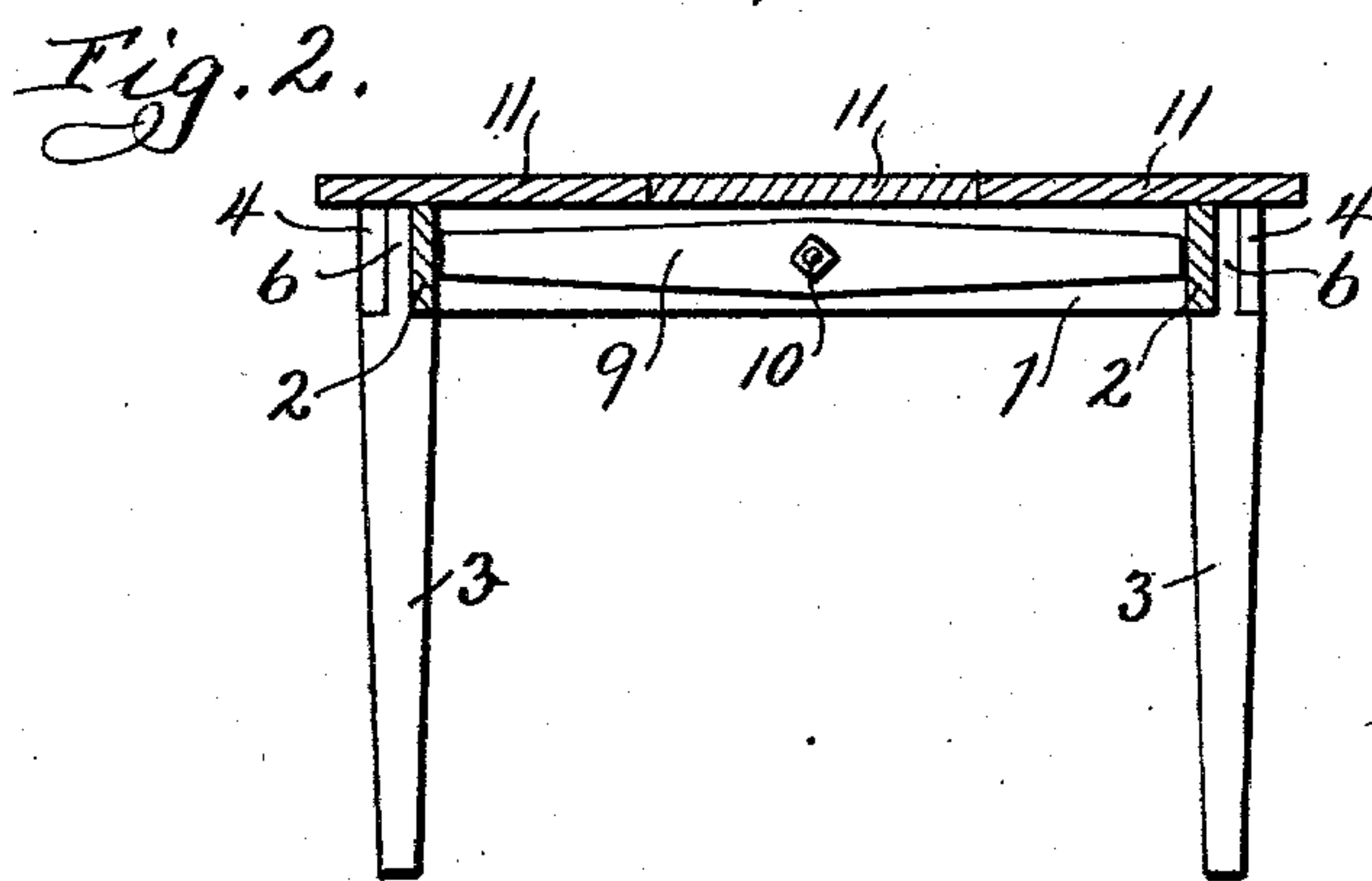
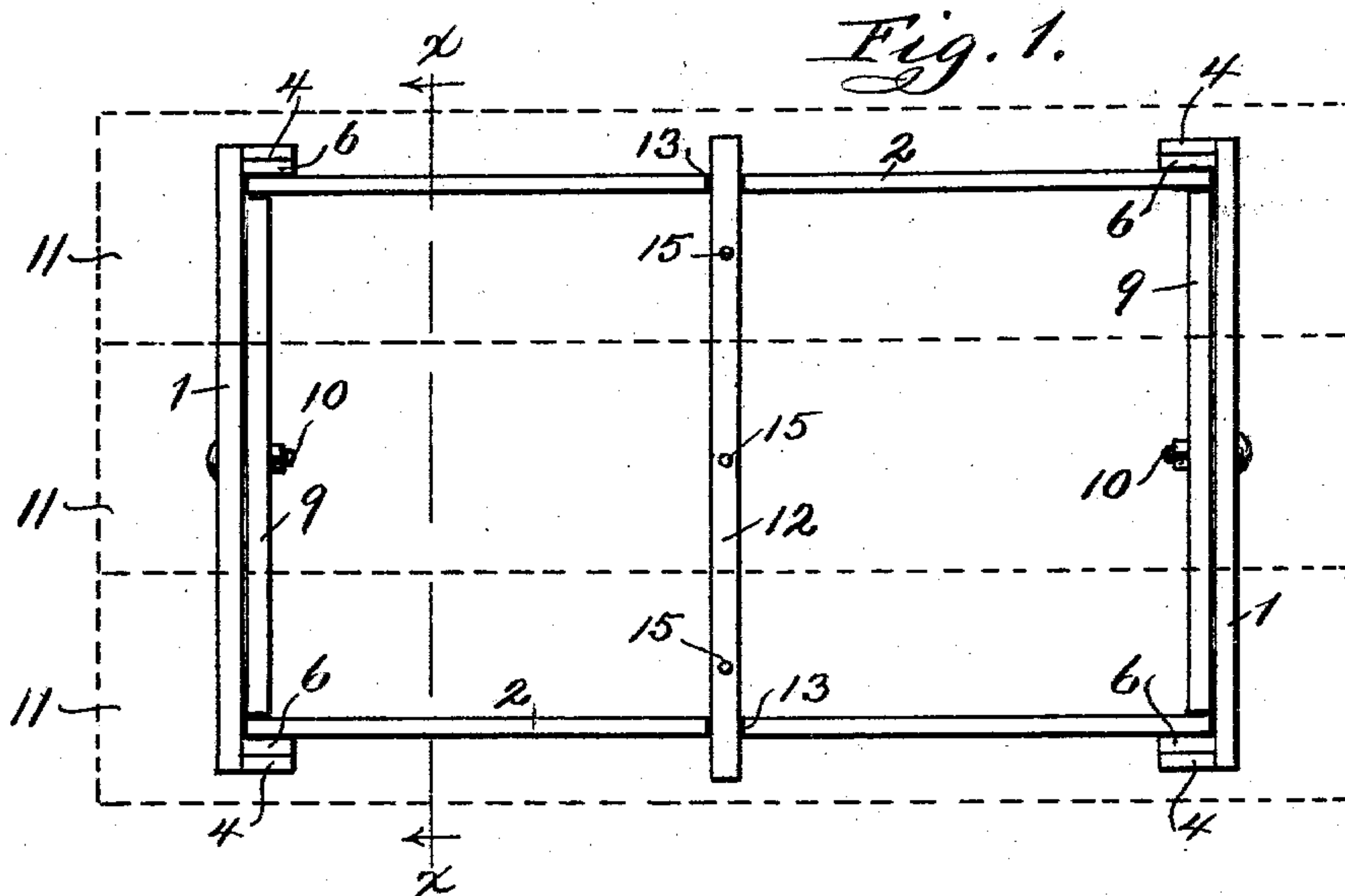
No. 740,846.

PATENTED OCT. 6, 1903.

S. P. GIDDINGS.
FRAME FOR TABLES.

APPLICATION FILED JAN. 15, 1903.

NO MODEL.



Witnesses:
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UNITED STATES PATENT OFFICE.

SOLOMON P. GIDDINGS, OF STERLING, ILLINOIS.

FRAME FOR TABLES.

SPECIFICATION forming part of Letters Patent No. 740,846, dated October 6, 1903.

Application filed January 15, 1903. Serial No. 139,235. (No model.)

To all whom it may concern:

Be it known that I, SOLOMON P. GIDDINGS, a citizen of the United States, residing at Sterling, in the county of Whiteside and State of Illinois, have invented certain new and useful Improvements in Frames for Tables; and I do 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, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention has reference to frames for tables, and particularly relates to the construction of a light strong frame the several parts of which can be readily separated and packed together in a limited space for the purpose of transportation or storage.

In the drawings, Figure 1 is a plan view of my device with the top of the table indicated in broken lines. Fig. 2 is a vertical cross-section in the line *xx* of Fig. 1. Fig. 3 is an enlarged detail view in perspective of one of the joints of the frame, with the parts which form the same separated. Fig. 4 is a detail in perspective, showing the manner of securing the ends of the cross-piece 12.

The frame consists, primarily, of two end pieces 1 1 and two side pieces or rails 2 2, supported at each corner by the legs 3 3. On the inner face of each of the end pieces 1, at each end thereof, are rigidly secured supports 4, in each of which are secured two pairs of inwardly-projecting pins 5 5, the pins of each pair being vertically in line with each other and horizontally out of line with tie-pins in the other of such pairs on the same support. Each of the legs 3 is provided with an upwardly-extending projection 6 conforming in size and shape to the inner face of the support 4 and adapted to be secured to such support by means of two pairs of holes 7 7 corresponding in position with the pins 5 and having such pins passing therethrough. The ends of the side pieces 2 are similarly provided with perforations 8 8, also engaged by the pins 5, which pass nearly through such side pieces. By this means the side pieces and end pieces of the frame are joined together.

At each end of the frame is a brace 9, pivotally secured to the inner faces of the end pieces 1 by means of a bolt 10, the ends of such braces normally abutting against the ends of the side rails 2 and locking the same, together with the legs 3, upon the pins 5.

Any kind of ordinary table-top may be supported by the above-described frame; but for some of the uses to which my device may be applied such top is best constructed of two or more light boards 11, placed side by side longitudinally of such frame. When thus constructed, in frames of more than ordinary length there may be provided one or more cross-pieces 12, secured in recesses 13 in the side rails 2 and projecting slightly beyond such rails to prevent the outer boards 11 being overbalanced. To guard against the cross-piece 12 getting out of position, a shoulder 14 is provided at each end thereof, abutting against the inner faces of the side rails.

Upon the upper face of the cross-piece 12 are two or more short pins 15, engaging corresponding recesses (not shown) in the lower faces of the boards 11. By this means the boards are secured from slipping upon the frame.

The arrangement of the pins 5 results in a greater degree of rigidity in the joint secured thereby and permits the use of lighter material in the construction of the frame. It is evident that the number of pins can be increased, if desired, or a less number can be used; but the firmness of the frame would be lessened by so doing.

If desired, the legs 3 may be rigidly secured to the supports 4 and the side rails alone be detachable from the pins 5.

The principal places where the above invention would be of use would be on picnics and outdoor outings of any kind where a lunch was to be spread, also on excursion-steamers, in lodge-rooms, churches, and similar places where repasts are sometimes provided. In places where the tables would not be transported any great distance, but would be stored in the vicinity of the room where used, as in a church-parlor or lodge-room, the legs need not necessarily be removable and the top could be in one piece.

Different kinds of folding tables are now

in use for similar purposes; but they are wanting in rigidity or firmness and sometimes become unfastened and close up when it is not desired that they should. There is no possibility of any such occurrence in using my device.

My invention would also be useful in the playing of parlor games, such as parlor croquet or ping-pong, where it is desired to set the table away after completing the games.

It will be seen that when the top of the table is in place the brace 9 is thereby prevented from movement upon its pivot, the several parts of the frame being thus securely held together and their separation being possible only upon the removal of the top.

What I claim as my invention, and desire to secure by Letters Patent of the United States, is—

1. A rectangular table-frame, comprising two end pieces; two side pieces; means for removably securing the ends of such side pieces to the end pieces, at or near the ends thereof; and two braces, pivotally secured on the inner faces of the end pieces; such braces being adapted to lock together the joints formed between the ends of the side pieces and the ends of the end pieces to which such braces are severally secured, substantially as described.

2. A frame for tables, comprising a pair of end pieces, each provided at each of its ends with an inwardly-projected support; two side pieces, adapted to be removably secured to such supports, at right angles to said end pieces; a supporting-leg at each junction of the side pieces and supports, each of such legs having an upwardly-extending member adapted to be removably secured between the support and end of the side piece; and means for locking the several combinations of support, side piece and leg member firmly together, substantially as shown.

3. In a table-frame, a joint formed by one of the end pieces of such frame; a support, secured at one end thereof, at right angles

thereto, and provided with a plurality of inwardly-extending pins; a side piece, having an end provided with a plurality of holes corresponding with the pins in such support, whereby such side piece is removably secured to said support; and a brace, pivotally secured to the end piece, and adapted to have one of its ends abut against the joint thus formed, and lock the same firmly together, substantially as shown and set forth.

4. In a table-frame, a joint, formed by one of the end pieces of such frame; a support, secured at one end thereof, at right angles thereto, and provided with a plurality of inwardly-extending pins; a side piece, having an end provided with a plurality of holes corresponding with the pins in such support; and a leg, having an upwardly-projected member, adapted to be held between such support and the end of the side piece, and also perforated to correspond with the pins on said support, whereby said support, side piece and leg may be removably secured together; and a brace, pivotally secured to the end piece, and adapted to have one of its ends abut against the joint thus formed, and lock the same firmly together, substantially as set forth.

5. In a table-frame, the combination of the end pieces 1; supports 4, secured thereto, and provided with pins 5; side pieces 2, provided in their ends with the holes 8, adapted to be engaged by the pins 5; legs 3, having projections 6, provided with holes 7, also adapted to be engaged by the pins 5; the braces 9, pivotally secured on the inner faces of the end pieces 1; and the cross-piece 12, supported in recesses 13 in the side pieces 2, and provided with pins 15; substantially as described.

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

SOLOMON P. GIDDINGS.

Witnesses:

J. E. MCPHERRAN,

C. CHAS. MACPHERAN.