

No. 677,726.

Patented July 2, 1901.

L. WELKER, SR.

TABLE.

(Application filed Oct. 17, 1900.)

(No Model.)

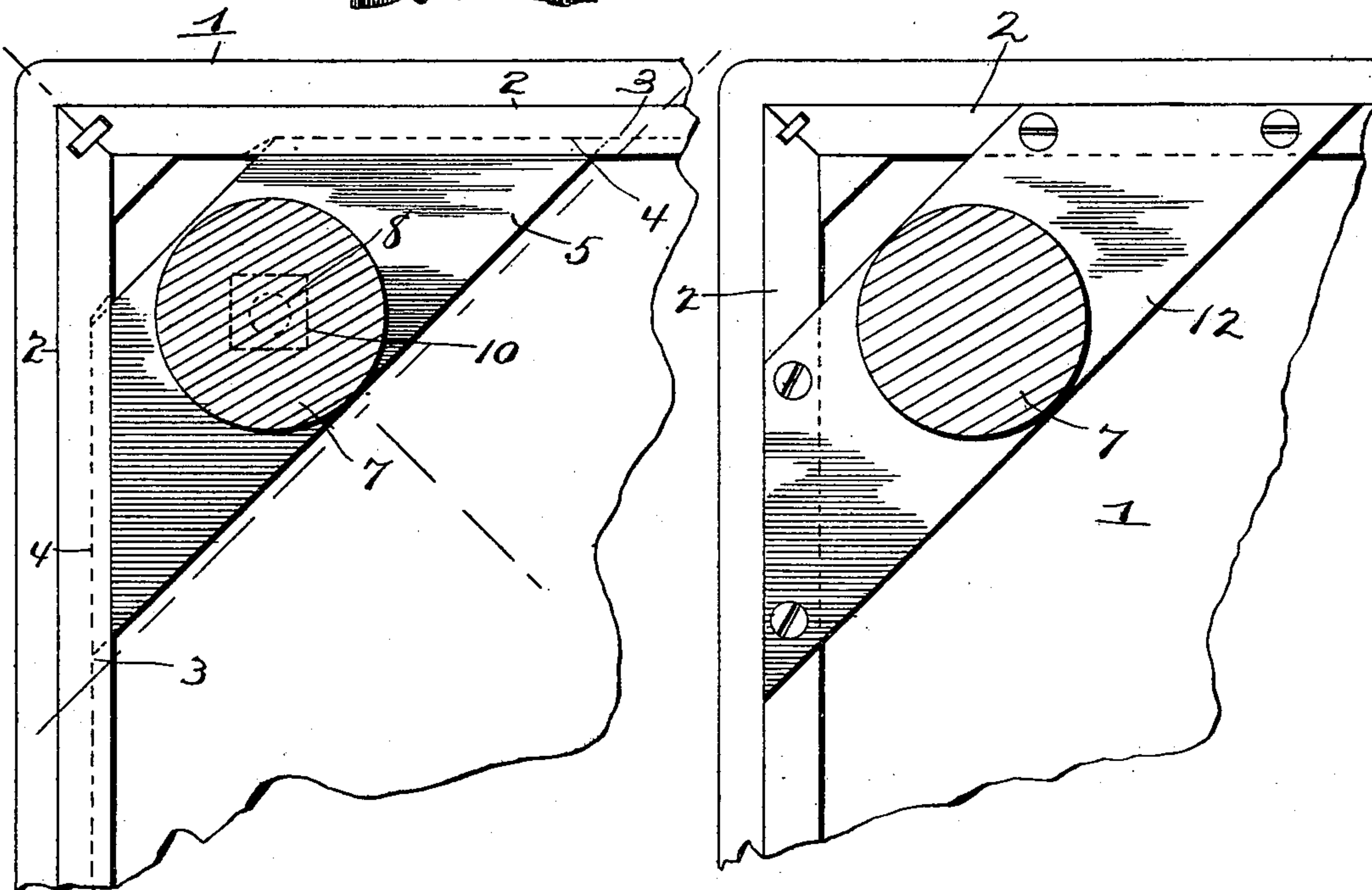
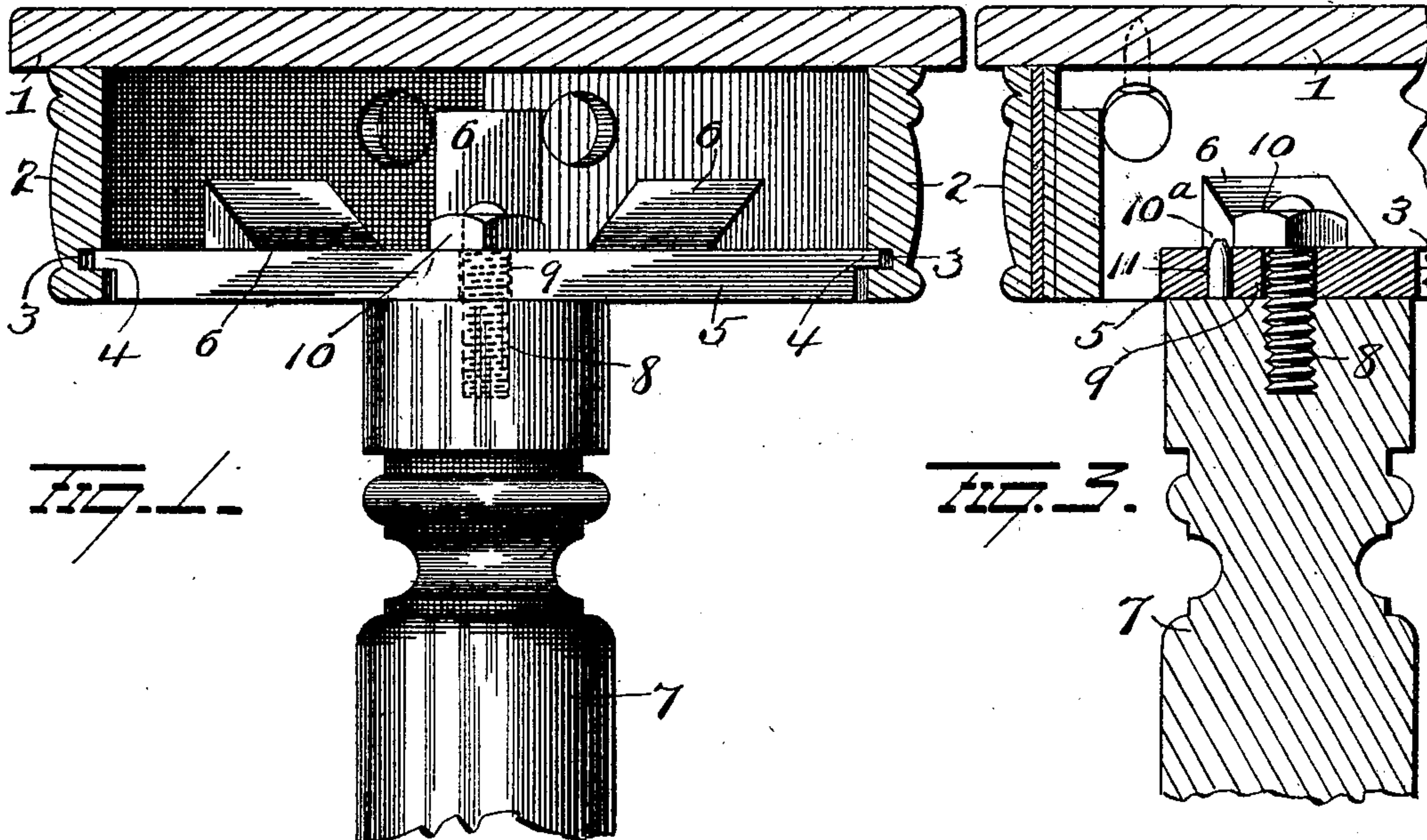


Fig. 2.

WITNESSES

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Fig. 4.

INVENTOR

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# UNITED STATES PATENT OFFICE.

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## TABLE.

SPECIFICATION forming part of Letters Patent No. 677,726, dated July 2, 1901.

Application filed October 17, 1900. Serial No. 33,385. (No model.)

*To all whom it may concern:*

Be it known that I, LOUIS WELKER, Sr., a resident of Williamsport, in the county of Lycoming and State of Pennsylvania, have  
5 invented certain new and useful Improvements in Tables; 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 ap-  
10 pertains to make and use the same.

My invention relates to an improvement in tables, and more particularly to improved means for fastening the legs to a table, one  
15 object of the invention being to provide means of this character which will form a rigid and strong fastening for the legs and which will brace and strengthen the table to a material extent.

A further object is to provide a table-leg  
20 fastening which will greatly cheapen the cost of manufacture of the table and at the same time greatly simplify the same.

With these objects in view the invention consists in certain novel features of construc-  
25 tion and combinations and arrangements of parts, as will be more fully hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view of one corner of a table, illustrating  
30 my improvements. Fig. 2 is a bottom view of the same. Fig. 3 is a view in section, and Fig. 4 is a view of a modified form of my invention.

1 represents the top of the table, to the bot-  
35 tom of which are secured the side bars or strips 2, which latter are also secured together at their meeting ends, as shown. Each side bar or strip 2 is provided near its lower edge in its inner face near the corners of the  
40 table with grooves 3 for the reception of tongues or flanges 4 on the ends of a diagonal brace or bar 5, which latter is made flush with the lower edge of bars or strips 2, and the tongues 4 thereof are preferable secured  
45 in the grooves 3 by glue, and triangular blocks 6 are glued to the side bars or strips 2 and the respective ends of bar or brace 5 to further strengthen the table.

The leg 7 is secured in the center of the  
50 brace 5 by means of a screw 8, which is secured in the upper end of the leg and is adapted to project through a hole 9 in the

brace 5 and to be secured in place by a nut 10, so that the leg can after the nut is in place on the screw be turned to tighten it  
55 against the lower face of the brace 5. This of course cannot be done when the legs have claw-feet or are bowed in the French style, which necessitates a particular position of the legs, and when such legs are to be se-  
60 cured in place I provide a pin 10<sup>a</sup> on the upper end of the leg to fit into a hole 11 in the brace and prevent rotary movement of the leg, the pin 10<sup>a</sup> and hole 11 being disposed in  
65 proper position to maintain the claw-feet or bow of the legs in proper position. When this pin 10<sup>a</sup> is employed, the nut 10 must be  
70 screwed home on the screw, and for this purpose a special wrench will when the table is placed on the market be supplied with each  
table.

Instead of constructing my improvements as above described I might make the same as shown in Fig. 4. In this form of my inven-  
75 tion a brace 12 is secured, by means of screws, to the lower edges of the side bars or strips 2 at the corners of the table and the legs se-  
cured to the braces, as above explained in connection with the preferred form of my in-  
80 vention.

Various other slight changes might be re-  
sorted to in the general form and arrange-  
ment of the several parts described without departing from the spirit and scope of my  
invention, and hence I would have it under-  
85 stood that I do not wish to limit myself to the precise details set forth, but consider myself at liberty to make such slight changes and  
alterations as fairly fall within the spirit and  
90 scope of my invention.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a table, the combination with the top and depending side bars, of a diagonal brace  
95 secured at its ends to the side bars in proximity to and spaced from a corner of the table and leaving an open space above it and under the table-top, and a leg secured solely to and bearing against the bottom face of said diag-  
100 onal brace.

2. The combination with a table and depending side bars, each having a groove in the inner face in proximity to the corners of

the table, of diagonal braces having beveled ends, tongues projecting from said beveled ends and entering the grooves in the side bars and a leg secured to the under face of each  
5 diagonal brace.

3. In a table, the combination with the top and side bars, of diagonal corner-braces secured at their ends to and supported by the side bars and leaving open spaces above them  
10 and under the table-top, a leg having a flat bearing against the under face of each brace, a screw secured to the upper end of each leg and passing through the respective diagonal braces, and a nut on each screw and bearing  
15 upon the brace whereby the legs are secured solely to said corner-braces and spaced from the extreme corners of the table.

4. In a table, the combination with a top and side bars having grooves in their inner faces near their lower edges in proximity to  
20 the corners of the table, of diagonal braces having flanges or tongues on their respective ends to fit into the grooves in the side bars or strips, blocks secured to the side bars and braces at the respective ends of the latter,  
25 legs and means securing said legs to the under faces of the braces.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

LOUIS WELKER, SR.

Witnesses:

S. W. FOSTER,  
A. W. BRIGHT.