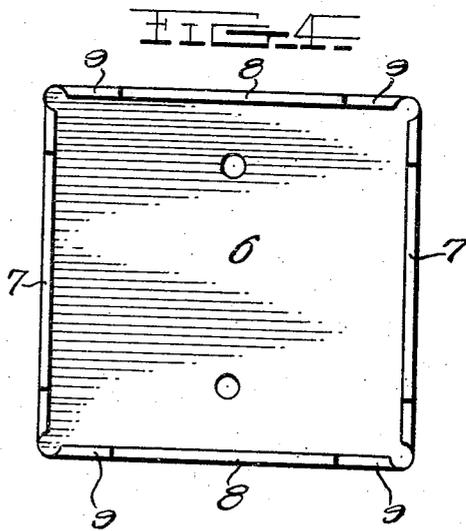
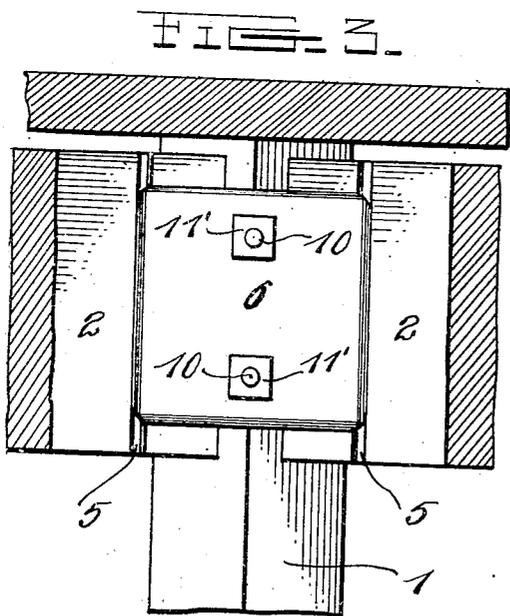
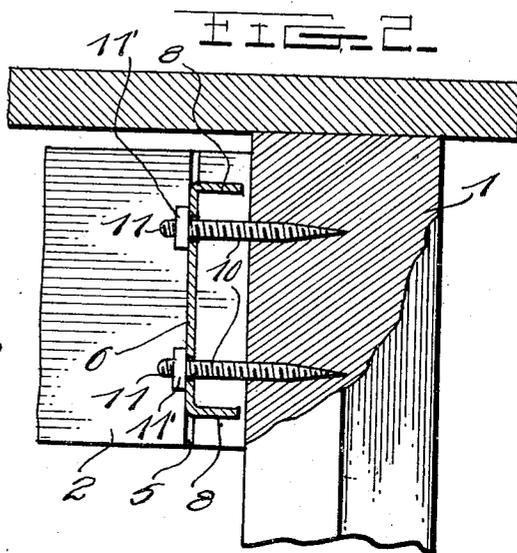
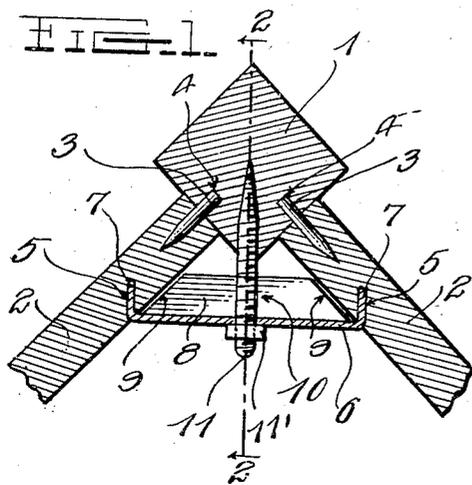


G. E. CARLSON.  
 TABLE LEG CLAMPING DEVICE.  
 APPLICATION FILED DEC. 14, 1916.

1,246,714.

Patented Nov. 13, 1917.



Inventor

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# UNITED STATES PATENT OFFICE.

GUSTAF ELVIN CARLSON, OF TOPEKA, KANSAS.

## TABLE-LEG-CLAMPING DEVICE.

Specification of Letters Patent.

Patented Nov. 13, 1917.

1,246,714.

Application filed December 14, 1916. Serial No. 136,913.

To all whom it may concern:

Be it known that I, GUSTAF ELVIN CARLSON, a citizen of the United States, residing at Topeka, in the county of Shawnee and State of Kansas, have invented certain new and useful Improvements in Table-Leg-Clamping Devices; 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.

This invention relates to new and useful improvements in table leg clamping devices and the primary object of the invention is to provide a device that will securely hold the leg of a table in position, and which may be easily detached therefrom when the legs are removed, for shipment or storage.

Another object of the invention is to provide a device of this character which is easily and simply constructed, inexpensive to manufacture, and one which will be very efficient in operation.

With these and numerous other objects in view, my invention consists of the novel features of construction, combination and arrangement of parts which will be herein referred to and more particularly pointed out in the specification and claim.

In the accompanying drawings:—

Figure 1 is a horizontal section showing the clamp applied to the table leg and rails;

Fig. 2 is a vertical section on the line 2—2 of Fig. 1;

Fig. 3 is an end elevation of the clamp showing the same in applied position; and

Fig. 4 is a plan view of the clamping plate.

In describing my invention, I shall refer to the drawings in which similar reference characters designate corresponding parts throughout the several views, and in which the numeral 1 designates the leg of the table which has secured thereto the usual type of rails 2, with projecting pins 3 that are adapted to fit in sockets 4 in the table leg. This pin and socket construction is the usual type employed in securing the ends of the rails to the table leg. The pin and socket may be omitted if so desired for economy as the shape and position of the plate is such as to hold the rails in place without the same.

The inner wall of the rails 2 are provided adjacent the leg 1 with forty-five degree (45°) slots 5, that extend inwardly toward

the leg. The clamping device consists primarily of a flat metal plate 6 substantially rectangular in shape, and having its edges bent at right angles to the plate.

When the plate is in position, the opposite side edges 7 of said plate are adapted to form tongues and to be positioned in the slots 5 in the rails. The transverse inwardly bent edges 8 have their corner portions cut away at an angle in order to permit them to bear firmly against the inner face of the rails 2, and thus provide angle braces therefor.

The plate is securely held in position and adapted to be drawn up to the leg by means of a pair of bolts 10 which project through said plate and aline with the vertical center of the same and which are threaded as shown at 11 and adapted to be positioned in the table leg.

When it is desired to clamp the leg to the rails after the rails are secured to said leg the plate is positioned as shown in Fig. 1 of the drawings, with the tongues 7 of the same disposed in the slots 5 in the rails. The bolts 10 are then positioned through the plate and tightened up by adjusting the nut 11' on their outer ends, whereupon the corner of the table will be drawn tight, and the rails will absolutely be prevented from becoming disengaged from the leg.

The bent edges at the top and bottom of the plate which form angle braces across the same allow this plate to be formed of comparatively thin metal, as it will be impossible for it to buckle or bend under a heavy strain. Owing to the fact that the tongues 7 are bent from the plate at right angles to the same, and as the slots 5 in the rails are disposed at an angle of forty-five degrees, when the plate is tightened up, these tongues will exert a direct pull, drawing the rails of the table inwardly and not pushing them out as is common to devices of this character.

From the foregoing description of the construction and operation of this table leg clamping device, the manner of applying the same to use and the operation thereof will be readily understood and it will be seen that I have provided a simple and efficient means for carrying out the objects of the invention.

I claim:—

A table leg clamping device comprising a rectangular metal plate adapted to extend

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across the angle between two meeting rails  
of the table, said plate having an opening  
formed therethrough to receive a bolt for  
drawing the plate toward the table leg po-  
5 sitioned at said meeting ends of the rails,  
the upper and lower edges of said plate  
being bent laterally to form reinforcing  
flanges extending throughout the length of  
said plate to prevent springing thereof as  
10 the bolt is tightened, the ends of said flanges  
being beveled for contact with the inner  
face of the rails to brace them against vary-  
ing their angular relation, the vertical edges

of said plate being bent laterally in the same  
direction as said first named edges to form  
vertical reinforcing flanges adapted for re-  
ception in vertical grooves in the inner sides  
of the rails.

In testimony whereof I have hereunto set  
my hand in the presence of two subscribing  
witnesses.

GUSTAF ELVIN CARLSON.

Witnesses:

ALBRECHT MURBURG,  
RUFUS SAWYER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,  
Washington, D. C."