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V. C. LUPPERT

FASTENING MEANS FOR TABLE LEGS

Filed Feb. 9, 1923

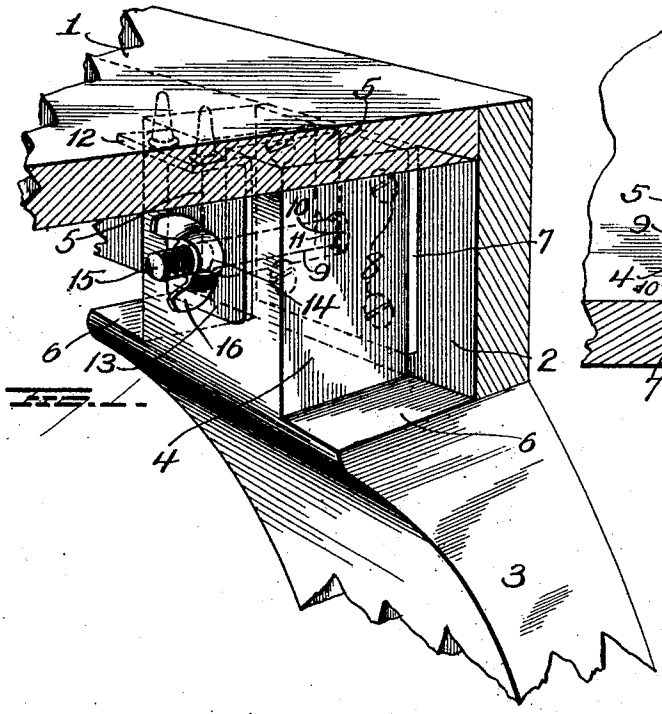


Fig. 1.

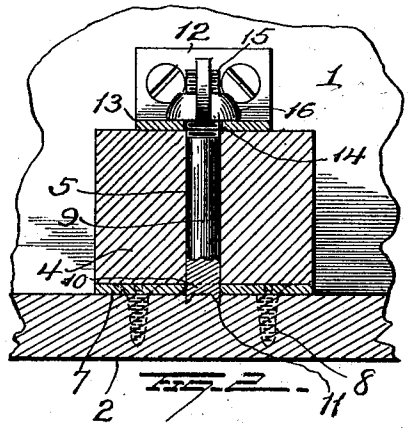


Fig. 2.

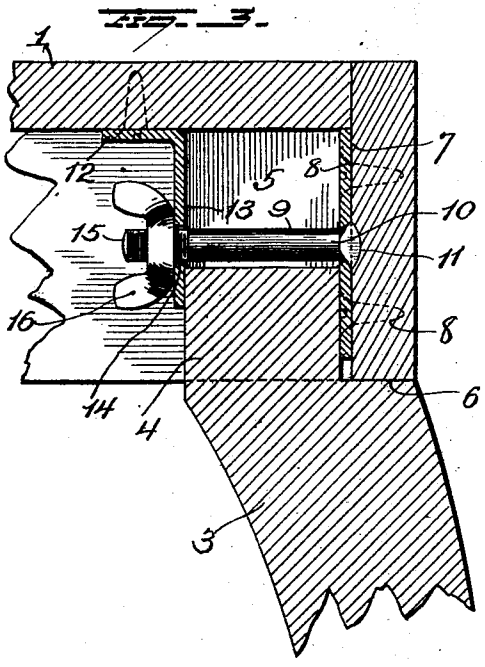


Fig. 3.

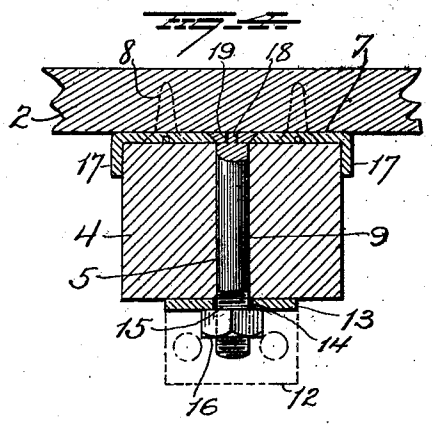


Fig. 4.

Inventor

V. C. Luppert

By Seymour & Bright

Attorneys

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UNITED STATES PATENT OFFICE.

VALENTINE C. LUPPERT, OF WILLIAMSPORT, PENNSYLVANIA.

FASTENING MEANS FOR TABLE LEGS.

Application filed February 9, 1923. Serial No. 618,069.

To all whom it may concern:

Be it known that I, VALENTINE C. LUPPERT, a citizen of the United States, and a resident of Williamsport, in the county of Lycoming and State of Pennsylvania, have invented certain new and useful Improvements in Fastening Means for Table Legs; 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 appertains to make and use the same.

This invention relates to improvements in fastening means for table legs,—one object of the invention being to provide simple and efficient means for clamping a table leg in place in a manner to avoid strain on the depending rail of the table top.

A further object is to construct fastening means for a table leg, having parts so connected with the bottom face of the table top and to the inner face of the depending flange or rail respectively, that the leg may be readily clamped in position and be securely locked to both the table top and said flange or rail.

With these and other objects in view, the invention consists in certain novel features of construction and combinations of parts as hereinafter set forth and pointed out in the claims.

In the accompanying drawings,—

Figure 1 is a view illustrating my improvements.

Figure 2 is a horizontal sectional view.

Figure 3 is a vertical sectional view.

Figure 4 is a view illustrating certain modifications.

A portion of a table top is represented at 1 and 2 indicates the depending flange or rail of said table top. A table leg is shown at 3 provided with a tongue or tenon portion 4 at its upper end having a slot 5 open at its upper end,—the tongue or tenon member being so disposed at the upper end of the leg that a shoulder 6 will be formed and adapted to bear against the lower edge of the flange or rail 2 and to project laterally in both directions from said tongue or tenon.

A plate 7 is secured by means of screws 8 or other fastening devices to the inner face of the flange or rail *a* and this plate is provided centrally with a hole for the passage of a bolt 9. The head 10 of this bolt engages the back face of the plate 7 and it may be provided with a tang or projection 11 to become imbedded into the wood of the flange or rail 2 in a manner to prevent the bolt from turning.

The flange 12 of a depending spring arm 13 is rigidly secured by means of screws or otherwise to the under face of the table top in spaced relation to the rail in such position that the tongue or tenon of the leg may become disposed between said spring tongue and the plate 7. When the parts are assembled with the tongue or tenon engaging the under face of the table top and the shoulder 6 bearing against the lower edge of the depending flange or rail 2, the bolt 9 will pass through the slot of the tongue or tenon and through and beyond the hole 14 in the spring arm 13. The projecting end of the bolt is threaded as at 15 for the reception of a nut 16. In the drawing I have shown a winged nut but it is evident that any suitable nut may be employed.

With the parts assembled as above described, the turning of the nut 16 will cause the spring arm 13 to be pressed against the tongue or tenon of the leg and securely clamp the same between said spring arm and the plate 7.

When the parts are thus clamped and connected with both the table top and the flange or rail, the latter will be prevented from receiving such strains as might otherwise tend to loosen or break the same.

If desired, that portion of the upper end of the leg which engages the lower edge of the rail may be shortened and the plate 7 may be provided at diametrically opposite edges with flanges 17 between which the tongue or tenon of the leg will become disposed, as indicated in Figure 4. If desired, the bolt 9 may be provided at or near its headed portion with a lip 18 to engage in a groove or notch 19 in the plate 7, as also shown in Figure 4.

Other slight changes might be made without departing from the spirit of my invention or limiting its scope and hence I do not restrict myself to the precise details herein set forth.

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

1. In furniture leg fastening means, the combination with a top, and a rail, of a plate adapted to be secured to the rail, a

separate spring arm adapted to be secured to and to depend from the top, and means for clamping a leg member between said plate and said spring arm.

2. In furniture leg fastening means, the combination with a top, and a rail, of a plate adapted to be secured to the rail, a spring arm adapted to be secured to and to depend from the top in spaced relation to the rail, a threaded bolt carried by said plate and passing through said spring arm, and a nut on said bolt arranged to be turned home against the spring arm whereby the leg will be clamped between the spring arm and the rail.

3. The combination with a top, and a depending rail, of a plate secured to the inner face of said rail, a bolt carried by said plate and having a part engaging said rail to prevent the bolt from turning, a spring arm secured to the under face of the top and depending therefrom in spaced parallel relation to said plate, a leg having a tenon disposed between said plate and arm and having an open-ended slot in the tenon for the accommodation of said bolt, said leg also having a shoulder to engage the lower edge of the rail, said spring arm having a hole for the passage of the bolt, and a nut on said bolt to be turned home against said arm whereby the leg will be clamped between the spring arm and the rail.

In testimony whereof, I have signed this specification.

VALENTINE C. LUPPERT.