S. BATTAGLIA.

LEG BLOCK.

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1,406,144. Patented Feb. 7, 1922.

Fig. 1.

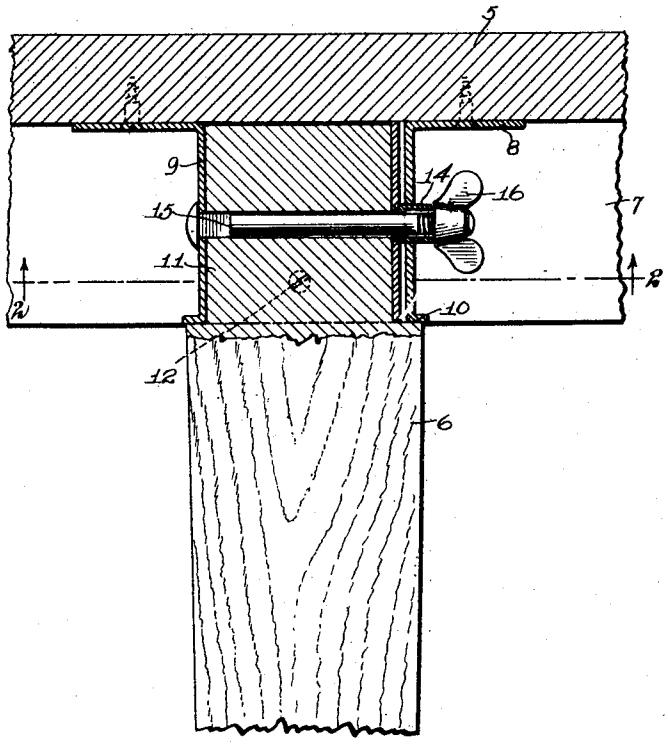
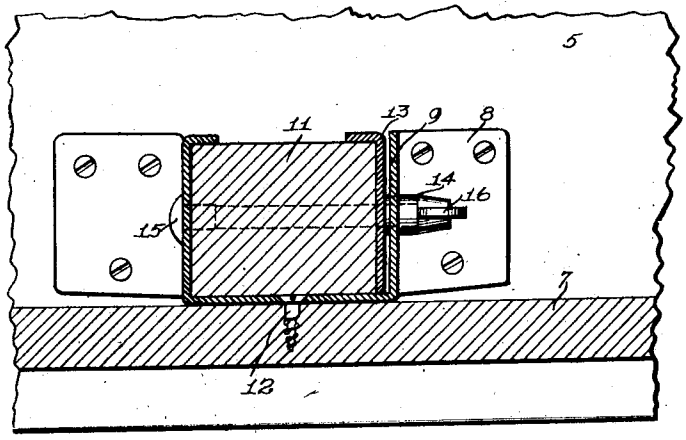


Fig. 2.



WITNESSES

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LEG BLOCK.

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To all whom it may concern:

Be it known that I, SAM BATTAGLIA, a subject of the King of Italy, and resident of the city of New York, borough of Brooklyn, county of Kings, and State of New York, have invented a new and Improved Leg Block, of which the following is a full, clear, and exact description.

My invention relates to a furniture construction, and aims to provide certain new and useful improvements more particularly in connection with leg blocks.

It is well appreciated that considerable difficulty has been experienced in connection with the proper securing of the legs of a piece of furniture to the object of the same, particularly where such furniture was subjected to the liability of being moved frequently over a supporting surface. It has been found that upon this occurring, that the action between the elements supported by the leg, and the leg itself, has become weakened to such an extent as to necessitate repairs being undertaken.

Aside from this, difficulty has been experienced in that it has been necessary to expend a considerable amount of time in securing the leg to the surface to be supported thereby.

Having this in mind, I have provided a leg block, the primary object of which is the provision of means serving to firmly retain the leg in its proper position, and to prevent any looseness thereof.

A further object of my invention is the provision of a device of the character stated by means of which a leg may be secured in applied position at a minimum of time.

Still another object of my invention is the construction of a leg block in which any play which may come into being may be readily compensated for, so as to again firmly affix the leg in its proper position.

Still further objects of my invention will appear in the annexed specification taken in connection with the drawings, which present one practical embodiment of the same, and in which;

Figure 1 is a sectional side view taken through the deck of a table and showing the leg secured thereto by means of my improved leg block, and

Figure 2 is a sectional bottom plan view taken along the line 2—2, and in the direction of the arrows indicated in Figure 1.

In these views, it will be noted that my invention has been applied, as aforestated to a table, but it is to be understood that the same is not necessarily limited to this application. Thus the reference numeral 5 indicates the deck of a table to which a leg 6 is to be attached, such deck having an apron 7 attached to it in the usual manner.

With regards to my block, it will be noted that I utilize a plate presenting flange portions 8 by means of which the same may be affixed to the underside of the deck 5. The plate is bent to form downwardly extending side walls 9, presenting a socket portion, it being noted that the outer edges of these side walls are preferably bent outwardly as at 11 for a purpose hereinafter more fully specified.

Thus the leg 6, which is preferably formed with a reduced portion 11 may be inserted into the socket and the shoulder existing between the body and reduced portion of the leg contacts with the outwardly bent portions 10, to prevent too deep a penetration of the reduced portion 11 into the socket.

Further, with a view of providing means which will serve to more firmly retain the plate in its proper position I may conveniently include an opening in one of the side walls of the same, which opening may serve to accommodate the shank of a screw 12 capable of engaging the apron 7.

Now with a view of providing means serving to permit of the rigid retention of the leg 6 subsequent to its application to the socket, it will be noted that I utilize a plate in the nature of a traveler 13, which is movably arranged within the socket portion formed by the block.

The plate 13 has affixed to it a sleeve 14 which latter extends through and beyond one of the side walls 9 formed by the main plate, as has been clearly indicated in Figure 1.

A bolt 15 projects transversely through the socket portion and reduced part 11 of the leg 6, as well as the sleeve 14, and an element, preferably in the nature of a wing nut 16 is affixed to the screw threaded outer end of the bolt 15, and is adapted to contact with the outer edge of the sleeve 14.

Thus, subsequent to the application of the leg to the socket portion of the block, the bolt 15 may be inserted through the side walls 9, reduced portion 11 of the leg 6, and sleeve 14, it being noted that the plate 13 has been applied to its proper position previous

to the application of the leg. Subsequent to the positioning of the parts in this manner, it will be obvious that upon the wing nut 16 being properly mounted upon the bolt 15 and being tightened, that an engagement will be effected between this element and the outer edge of the sleeve 14. A further tightening of the nut 16 will result in a movement of the sleeve 14, which will in turn, be transmitted to the plate 13 serving to constrict the area of the socket provided by the main plate, and to consequently prevent any movement on the part of the leg 6 with respect to the deck 5 and apron 7.

From the foregoing it will be seen that I have provided a leg block which may readily be applied to its proper position, and by means of which the leg may also be readily affixed. Further the leg will be prevented from moving, and any shrinkage or wear which might occur on the part of the member may readily be compensated for by a slight movement of the plate 13 serving to constrict the space accommodated by the reduced portion of the leg, thus guarding against any play.

Obviously numerous modifications of structure might readily be resorted to without in the least departing from the spirit of my invention, which I claim as;

1. A leg block for furniture, including a plate bent so as to provide a socket adapted to receive the inner end of a leg, a plate of the width of the socket movable within said socket, a bolt adapted to extend through openings in said leg and each of said plates, and a nut for effecting a movement of said last named plate.

2. A leg block, including a plate providing a socket, a secondary plate extending the entire width of the socket movable within said socket, a sleeve fixedly secured to said secondary plate, and extending through and beyond an opening in said first named plate, a bolt adapted to extend through openings in both of said plates, and through said sleeve and means adapted to be secured to the outer end of said bolt, and to co-operate with the outer edge of the sleeve for producing a movement of said secondary plate.

3. A leg block for tables including a plate bent so as to provide a socket adapted to receive the inner end of a leg, a slidable plate of the width of the side of said socket movable within said socket, a bolt adapted to extend through openings of said leg and through openings of all of said plates, and means cooperating with said bolt to effect a movement of said slidable plate against the leg end placed within the said socket.

4. A leg block for tables including means providing a socket, a slidable plate arranged within said socket and means secured to said slideable plate to effect a movement of the same with respect to said socket, said plate forming a moving side within said socket.

5. A leg block for tables including a plate formed into a socket, a plurality of flanges extending from said socket to secure the same to the under side of a table deck, a slidable plate of the width of the socket arranged within said socket capable of sliding within the entire length thereof, a sleeve secured to said sliding plate and means to move said sleeve and slidable plate within said socket.

6. A leg block for tables comprising a plate formed into a socket with flanges extending therefrom to secure the same to the underside of the table, a sliding plate extending the width of said socket arranged within the latter, a sleeve secured to said slidable plate, a bolt adapted to extend through openings of both of said plates and through said sleeve, a threaded nut associated with said bolt to bear against said sleeve thereby forcing said slidable plate against the leg end placed within the socket.

SAM BATTAGLIA.