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LEG FASTENING FOR FURNITURE.

APPLICATION FILED DEC. 8, 1919.

1,389,008. Patented Aug. 30, 1921.

Fig. 1.

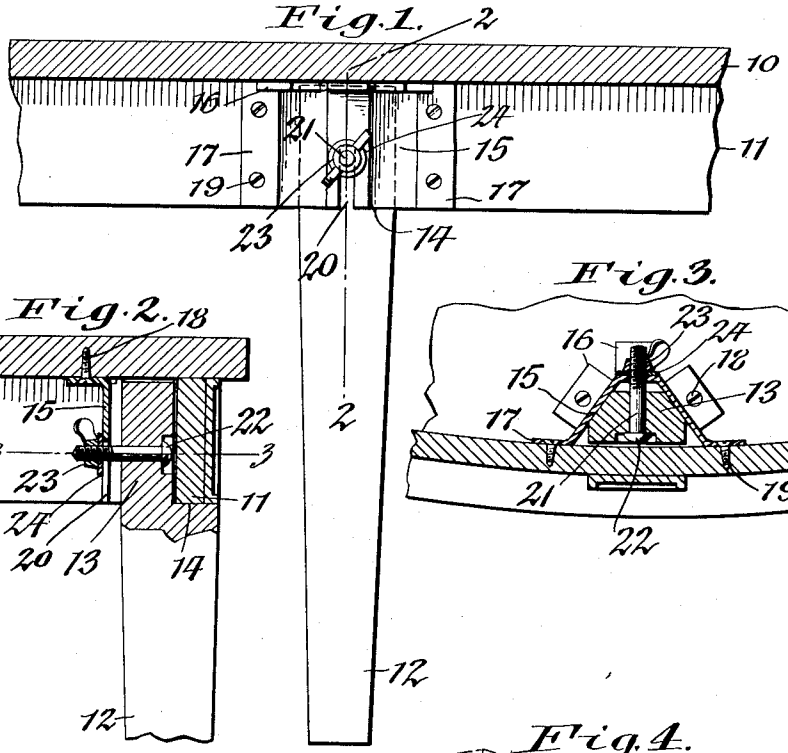
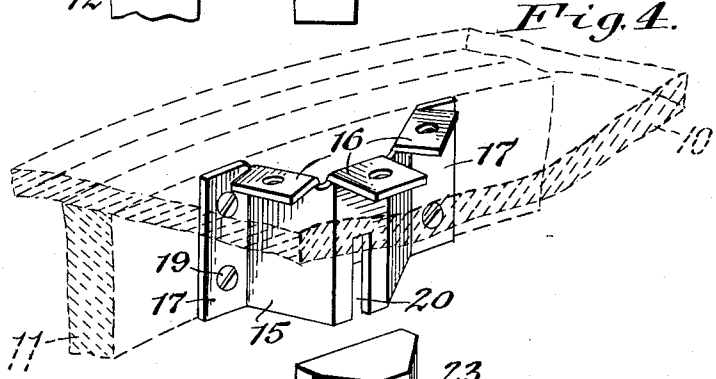


Fig. 2.

Fig. 3.

Fig. 4.



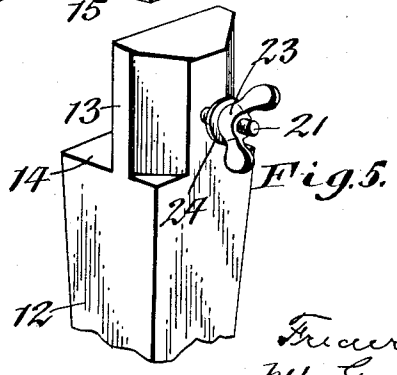


Fig. 5.

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LEG-FASTENING FOR FURNITURE.

1,389,008. Specification of Letters Patent. Patented Aug. 30, 1921.

Application filed December 8, 1919. Serial No. 343,263.

To all whom it may concern:

Be it known that I, FREDERICK W. POHLE, Jr., a citizen of the United States, residing in Buffalo, in the county of Erie and State of New York, have invented new and useful Improvements in Leg-Fastenings for Furniture, of which the following is a specification.

This invention relates to improved means for attaching legs to tables and other furniture to permit of storing or packing the same more compactly for transportation and also to enable the same to be erected quickly for producing a table which is strong and rigid.

The object of this invention is to provide means for accomplishing this purpose which can be easily and conveniently operated and which can be manufactured at reduced cost and produce a stronger and lighter structure than that heretofore in use.

In the accompanying drawings:

Figure 1 is a fragmentary longitudinal section of a table embodying my improvements taken on line 1—1, Fig. 2. Fig. 2 is a transverse section taken on line 2—2, Fig. 1. Fig. 3 is a horizontal section taken on line 3—3, Fig. 2. Figs. 4 and 5 are perspective views of the bracket forming parts of the table top socket and the table leg, respectively, which contain my invention.

Similar characters of reference refer to like parts throughout the several views.

Although my invention is applicable to various forms of tables and other furniture in which the top and legs are separable for convenience of shipping them knock-down, the form of table shown in the drawings as suitable for my invention comprises a top having a horizontal plate 10 and a vertical flange or rim 11 depending from the plate adjacent to the edge thereof, and a plurality of legs similar to the leg 12 each of which has its upper end reduced to form a shank 13 which is of V-shaped form in cross section and an upwardly facing shoulder 14 on the outer side of the leg.

In the corner between the inner side of the flange and the underside of the plate of the table top is arranged a bracket the body 15 of which is bent or stamped from a piece of sheet metal into a bowed or V-shaped form and this is secured to the table top so that its concave side faces the inner side of the table top flange and forms therewith a socket of V-shaped form in cross section which receives the upper reduced end of one of said table legs. The table leg is held against turning in the socket owing to the V-shaped form of their coöperating surfaces and the upward movement of said leg into said socket is preferably prevented by engagement of the shoulder 14 of said leg with the lower edge of the body of said bracket, as best shown in Fig. 2. This bracket may be secured to the table top in any suitable manner for instance, by providing the upper and vertical side edges of the bracket with laterally projecting perforated lugs or flanges 16, 17 which are formed integrally therewith and which are secured, respectively, to the underside of the top plate and the inner side of the top flange by screws 18, 19.

Means are provided for detachably connecting the bracket and leg which means are preferably constructed as follows:

On its central part the bracket is provided with a vertical slot 20 which extends upwardly from the lower edge thereof. This slot receives a clamping bolt 21 which extends horizontally through the upper reduced part of the leg and bears with its head 22 against the outer side of the leg while its inner threaded end projects laterally from the side of the leg and enters the slot 20 from the lower end thereof. After the shank of the leg has been thus inserted into the socket the same is securely held therein by means of a washer 24 and a screw nut 23, preferably of the wing type arranged on the threaded inner end of the clamping bolt and bearing against the convex side of the bracket, as shown in Figs. 1, 2 and 3, thereby rigidly connecting the leg and table. As the clamping screw nut 23 is tightened the wedging action produced by the V-shaped shank of the leg against the V-shaped concave side of the bracket causes these parts to be securely held against rocking relatively to each other and insures maintaining the leg in a true perpendicular position relatively to the table top.

Inasmuch as the bracket is made of one piece of sheet metal the same not only simplifies the construction, but it also reduces the weight and cost of manufacture. Furthermore the construction materially increases the strength of the connection between the leg and the table top and also is of material

advantage in the facility with which it permits of erecting the table for use or display after the same has been shipped in knock-down form from the factory to the dealer or user.

I claim as my invention:

The combination with an article of furniture having a top consisting of a horizontal plate and a vertical flange depending from said plate and a leg having its upper end arranged in the inner corner between said plate and flange, of means for detachably connecting said top and leg comprising a bracket of sheet metal which is bowed horizontally and forms between its concave side and the inner side of said flange a complete socket which receives the upper end of said leg, said bracket being provided with a vertical slot extending upwardly from the lower edge thereof, and a horizontal clamping screw mounted on the upper end of said leg and entering said slot and provided with a screw nut bearing against the exterior of said bracket.

FREDERICK W. POHLE, JR.