June 28, 1960 E. HERRMANN 2,942,923

SUPPORTING LEG ATTACHING MEMBER

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FIG. 1

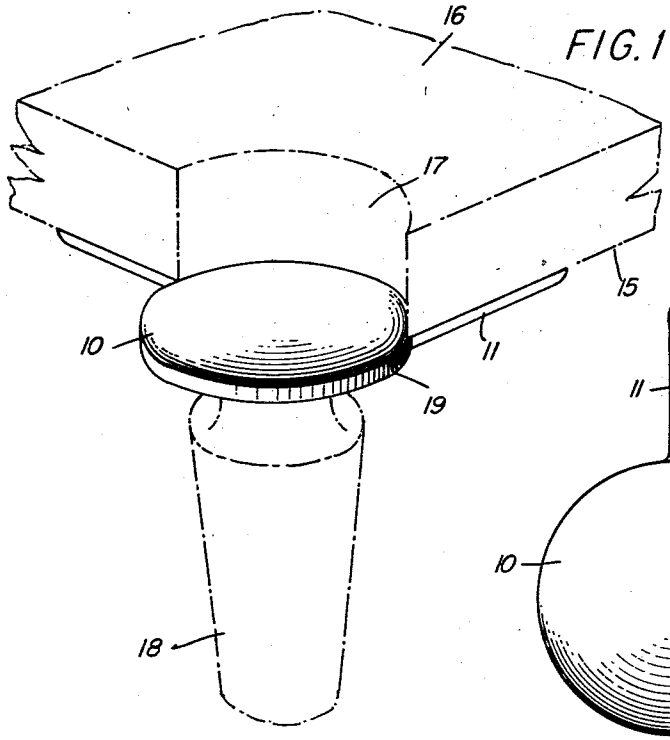

FIG. 3

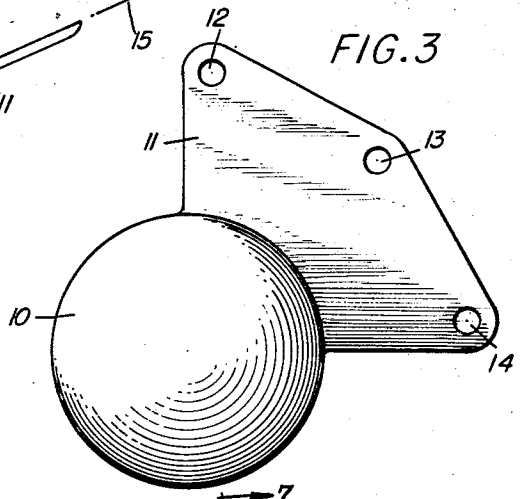

FIG. 2

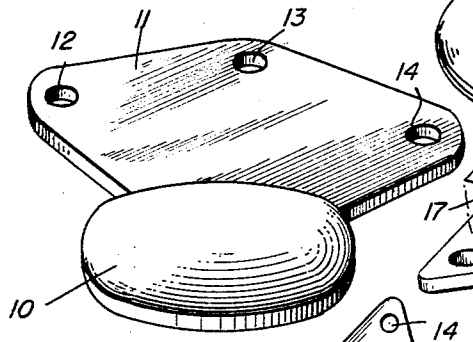

FIG. 6

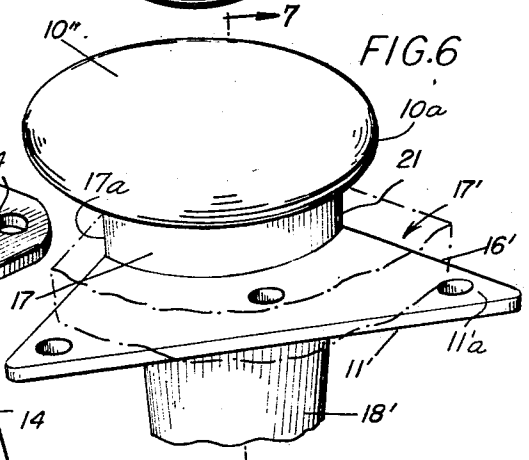

FIG. 5

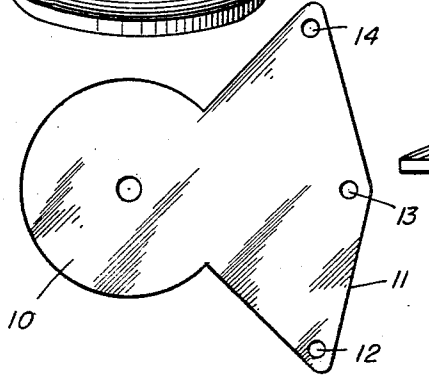

FIG. 4

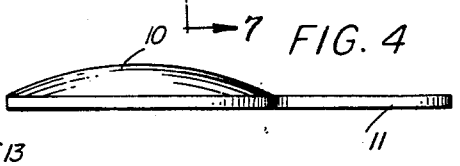

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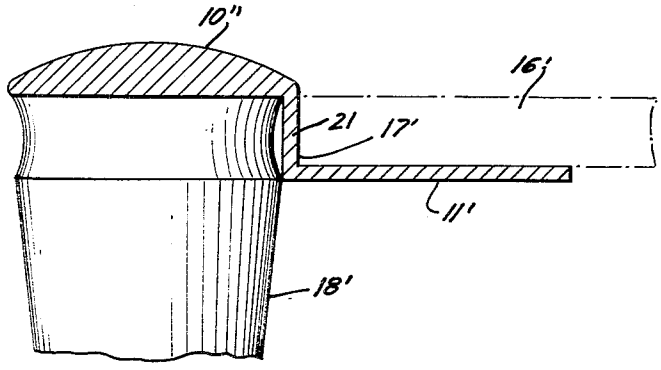
FIG. 7



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SUPPORTING LEG ATTACHING MEMBER

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2 Claims. (Cl. 311—110)

This invention relates to furniture in general and more particularly to an improved support attachment member for fastening a support, such as a leg, to an article of furniture.

In the manufacture of articles of furniture such as tables and chairs, it is necessary in one stage of assembling the finished product that supports such as legs be fastened to the article of furniture so that portions of the finished product will be maintained at a predetermined height above an underlying surface. The necessity for raising such portions above an underlying surface is obvious since the articles of furniture are to be utilized by human beings.

Heretofore, in the production of furniture, great difficulty has been encountered in fastening the legs to the article rigidly and quickly. Often, in order to have a secure and rigid connection between the support and the article, an excessive amount of work and time must be expended thereby raising the selling price of the finished product.

The invention herein disclosed has, as its principal object, the provision of a member which will enable a support such as a leg to be quickly and easily attached to an article of furniture.

Another object of this invention is to provide an attachment member whereby a support such as a leg can be rigidly and securedly fastened to an article of furniture.

A further object of this invention is to provide an attachment member which, when used, will reduce the time required in assembling articles of furniture.

Another object of this invention is to provide a support attachment member that can be constructed cheaply and which can also be used as an ornamental portion of the furniture construction.

A support attachment member embodying this invention and the manner of using the same is described herein with reference to the drawings in which:

Fig. 1 is a perspective view of a support attachment member constructed in accordance with the teachings of this invention showing a leg connected to the corner of a table, the leg and table corner being shown in dotted lines;

Fig. 2 is a perspective view of the support attachment member shown in Fig. 1;

Fig. 3 is a top plan view of the support attachment member which is shown in Fig. 1;

Fig. 4 is a side elevation view of the support attachment member which is shown in Fig. 1;

Fig. 5 is a bottom view of the support attachment member shown in Fig. 1;

Fig. 6 is a side view of an alternate embodiment of a support attachment member constructed in accordance with the teachings of this invention showing a leg connected to the corner of a table, the leg and table corner being shown in dotted lines; and

Fig. 7 is a vertical flat cross section view of the support attachment member shown in Fig. 6 taken along

the line 7—7 in the direction of the arrows as indicated in Fig. 6.

In the drawings, an embodiment of my invention is shown wherein a substantially circular portion 10 having a flange 11 extending from the periphery thereof constitutes the support attachment member.

Circular portion 10 and flange 11 are constructed of any strong material such as brass or other metal and can also be formed from a hard wood. The shape of circular portion 10 can be varied in many ways in order to make this portion of the support attachment member an ornamental object. It is required only that it have an underlying surface 10', the purpose of which will be explained later.

Flange 11 extends from the periphery of circular portion 10 and as shown is an integral part thereof. Flange 11 is substantially V-shaped, having apertures 12, 13 and 14 formed therein. It is seen that the support attachment member shown in the figures which consists of circular portion 10 and flange 11 molded or formed as members integral with one another. However, these can be attached to one another in any manner which gives rigidity.

The support attachment member is fastened to underlying surface 15 of table 16 by means of screws passing through apertures 12, 13 and 14 and being burrowed into table 16.

As shown in Fig. 1 table 16 has an arcuate segment 17 formed in its corner so that portion 10 is exposed to view when flange 11 is fastened to surface 15. This, of course, is unnecessary for the practise of my invention. However, it does lend an ornamental, as well as an increased structural addition thereto.

Leg 18 is attached at one end of its ends to underlying surface 10' of circular portion 10. The attachment is made by means of a screw, not shown in the figures, which is attached to leg 18, and threaded into the threaded insert 20 in the center surface 10'.

It is noted that surface 10' as shown is a flat surface on which the end of leg 18 can seat. The configuration of surface 10' for seating purpose can be achieved by ribs or otherwise the only requirement being that underlying surface 10' have a portion thereof which complements the end of the leg so that when leg 18 is attached to surface 10' there is a snug fitting relationship between the two.

In order to quickly and easily attach a leg or other support to an article of furniture such as table 16 here shown, an assembler merely takes the finished article of furniture and attaches my support attachment member thereto by means of flange 11 and then fastens leg 18 to circular portion 10. The result is a support rigidly connected to the article of furniture.

It is obvious that use of the support attachment member herein described eliminates the necessity of complicated assembly methods being used.

Such construction enables the article of furniture to be manufactured at low cost and thus marketed to the public at low cost.

Under certain circumstances an assembler may vary the manner in which he uses this support attachment member to fasten a leg to an article of furniture.

Above it was suggested that an assembler first fasten the support attachment member to the underlying surface of the article of furniture and then attach the leg to the underlying surface of the circular portion of the support attachment member.

The assembler, however, may find it desirable to first fasten a leg to the underlying surface of the circular portion of the support attachment member and then fasten flange 11 to the underlying surface of the article of furniture.

Either way it is seen that use of this support attachment member enables a leg or other support member to be quickly, easily and rigidly fastened to an article of furniture.

It is seen in the drawings, especially Fig. 4, that flange 11 is substantially a continuation of the underlying surface of the circular portion 10.

Thus, it is seen in Fig. 4 that the underlying surface of flange 11 is a continuation of underlying surface 10'. This is a a construction not necessary for the successful utilization of the inventive concept herein described.

Under certain circumstances, it may be desirable in the utilization of my invention to have a support attachment member of slightly different construction such as the alternate form of my invention, which is illustrated in Figs. 6 and 7.

The embodiment of my invention shown in Figs. 6 and 7 consists of flange 11' and circular portion 10'' connected thereto by means of semi-circular side 21. As in the preferred embodiment of my invention, flange 11', circular portion 10'' and semi-circular side 21 may be formed integrally with one another or may be formed separately and rigidly connected to one another. As shown in Fig. 6, these members are integral with one another.

In the use of the alternate embodiment of my invention, which I have just described, an assembler will use the support attachment member in substantially the same way that the support attachment member disclosed as my preferred embodiment is used.

Thus, flange 11' is attached to the underlying surface of an article of furniture and the underlying surface of circular portion 10'' is attached to a support member such as leg 18'. In this embodiment of my invention, when flange 11' is fastened to the underlying surface of an article of furniture such as table 16', semi-circular side 21 can lie adjacent surface 17', for further supporting the article of furniture if it is desired.

Thus, among others, the several objects of the invention as specifically aforementioned are achieved. Obviously, numerous changes in construction and rearrangement of parts may be resorted to without departing from the spirit of the invention as defined by the claims.

I claim:

1. A supporting leg attaching member for attaching a supporting leg to a piece of furniture comprising in combination a circular member, an under surface of said circular member formed to have a supporting leg attached thereto, a semi-circular side extending downwardly from said circular member, a flange extending from said side, an upper surface of said flange, an outside surface of said semi-circular side constructed and arranged to be adjacent a piece of furniture, the plane of said upper surface being substantially parallel to the plane of said under surface and said upper surface constructed and arranged to have attached thereto a piece of furniture and maintain the piece of furniture removed from the upper portion of said circular member.

2. A supporting leg attaching member for attaching a supporting leg to a piece of furniture comprising in combination a circular member, an under surface of said circular member formed to have a supporting leg attached thereto, a semi-circular side extending downwardly from said circular member, an outside surface of said side constructed and arranged to be adjacent a piece of furniture, an inside surface of said side constructed and arranged to be adjacent a leg, a flange extending from said side, an upper surface of said flange, the plane of said upper surface being substantially parallel to the plane of said under surface and said upper surface being constructed and arranged to have attached thereto a piece of furniture and maintain the piece of furniture removed from the upper portion of said circular member.

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