May 12, 1959 W. E. NORDMARK ET AL 2,885,719

FURNITURE GLIDE

Filed Aug. 19, 1957

Fig. 1

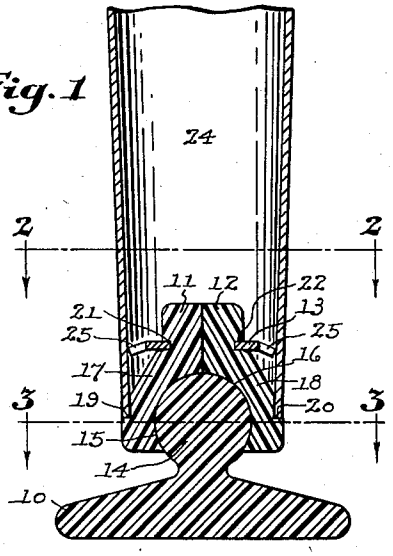


Fig. 4

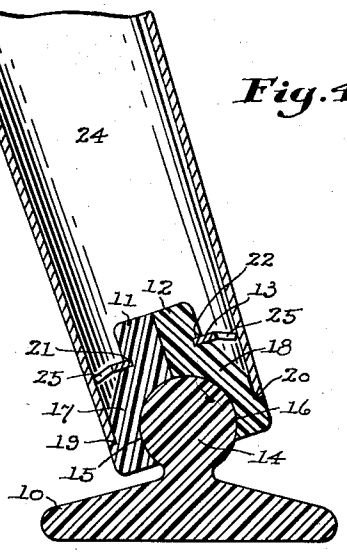


Fig. 2

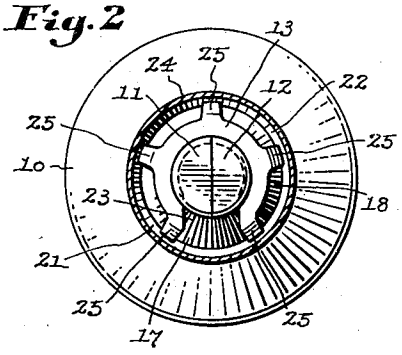


Fig. 3

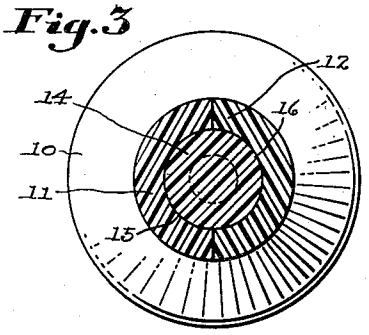
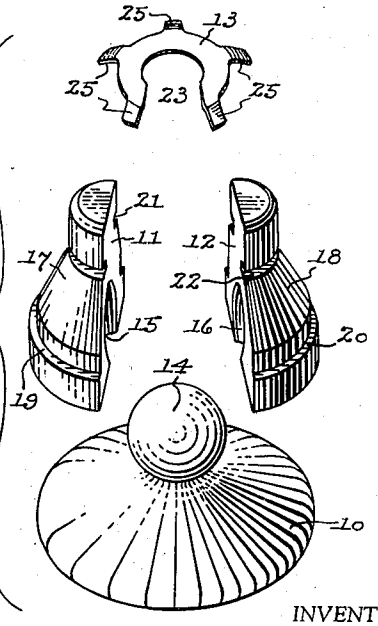


Fig. 5



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FURNITURE GLIDE

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1 Claim. (Cl. 16—42)

The present invention relates to furniture glides and more particularly to glides for tubular metal furniture legs.

The primary objects of the invention are to provide a glide which, when installed on the lower end of the furniture leg, is self-aligning, i.e. which will rest flat on the floor regardless of the pitch of the furniture leg and even if the article of furniture be tilted; to provide such a glide which consists of only four parts which may be very quickly assembled to each other and to the furniture leg; and in general to provide such a glide which is efficient in use, reasonably economical in manufacture and attractive in appearance.

An illustrative embodiment of the invention is shown in the accompanying drawing, wherein:

Figure 1 is a central vertical sectional view of the lower end of a vertically disposed tapered tubular metal furniture leg having the new glide installed thereon;

Figure 2 is a horizontal sectional view thereof taken on line 2—2 of Figure 1;

Figure 3 is a horizontal sectional view of the same taken on line 3—3 of Figure 1;

Figure 4 is a sectional view similar to Figure 1 and showing the new glide applied to a furniture leg having a pitch of about 70°; and

Figure 5 is a perspective view showing the several parts of the glide per se in disassembled relation.

Referring now in detail to this drawing, the new furniture glide consists essentially of four parts: a floor-contacting base **10**, a pair of socket members **11, 12** and a retaining washer **13**. The base **10** and socket members **11, 12** are desirably made of molded plastic as indicated in the drawing and may thus be any desired color, but these parts may be made of metal or other suitable material if preferred. The base **10** has a round, flat, floor-contacting bottom surface, and has a centrally located and upwardly extending ball **14** molded integrally therewith. The socket members **11, 12** have complementary hemispherical cavities **15, 16** and have upwardlly extending stem portions **17, 18** provided with complementary shoulders **19, 20** and complementary grooves **21, 22**.

The socket members **11, 12** are assembled to the base **10** by fitting their cavities **15, 16** to opposite sides of the ball **14**, these hemispherical cavities **15, 16** thus forming a socket for the reception and retention of the ball. The retaining washer **13** is next seated in the annular

groove formed by the complementary grooves **21, 22** in the socket members **11, 12**, said washer **13** being provided with a void **23** (see Figures 2 and 5) to facilitate this assembly operation. Prior to assembly of the glide to the tubular furniture leg **24**, the several parts are held together by this retaining washer.

The glide is finally assembled to the tubular furniture leg **24** by inserting its stem, formed by the stem portions **17, 18** of the socket members **11, 12** into the open lower end of the leg **24** until the lower end of the leg abuts the annular shoulder formed by the complementary shoulders **19, 20** on the socket members **11, 12**, and the socket members are thus securely clamped together by the extreme lower end of the leg **24** which encircles the stem of the glide adjacent said annular shoulder.

The periphery of the retaining washer **13** is provided with spaced prongs **25** thereon, which grip the internal wall of the tubular leg **24** to securely maintain all of the parts in assembly and prevent withdrawal of the glide from the tubular leg.

It will thus be seen that the invention provides a novel glide for a tubular furniture leg, which requires no rivets, screws or other such fastenings for securing the various parts of the glide together, and which is quickly and easily installed on the tubular leg. While but one specific embodiment of the invention has been herein shown and described it will be understood that numerous details thereof may be altered or omitted without departing from the spirit of the invention as defined by the following claim.

We claim:

A glide for a tubular metal furniture leg, comprising: a base having a round, floor-contacting bottom surface and an upwardly extending, centrally disposed ball; a pair of socket members having complementary hemispherical cavities together forming a socket for the reception and retention of said ball, said socket members having grooved and shouldered upwardly extending stem portions together forming a stem having an upper annular groove and a lower annular shoulder; a peripherally pronged retaining washer having a void extending from its center opening through a portion of its side wall whereby the washer may be slid into the upper annular groove of said stem into a position concentric with the stem, and said stem and washer being adapted for insertion into the open lower end of said tubular furniture leg with the lower end of the leg resting on said shoulder, with the socket members clamped together around the ball, and with the peripheral prongs on said washer biting into the internal walls of the tubular furniture leg to secure the glide in assembly with said leg.

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