

Jan. 12, 1926.

1,569,319

G. GEBHARD

FURNITURE SUPPORT

Filed Jan. 26, 1925

FIG. 1.

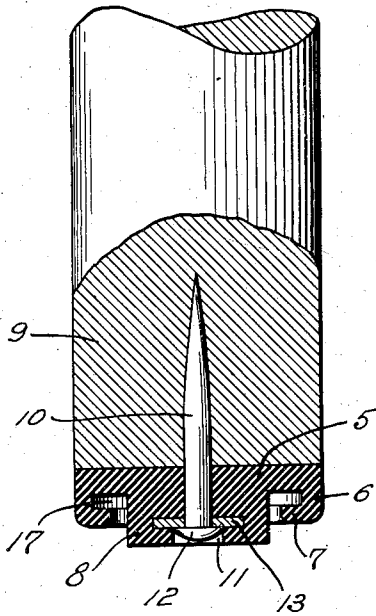


FIG. 3.

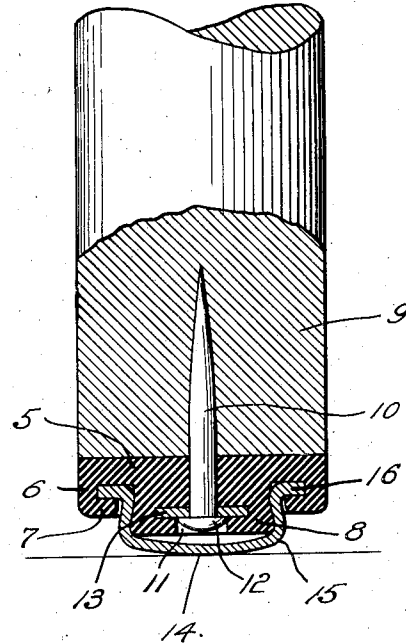


FIG. 2.

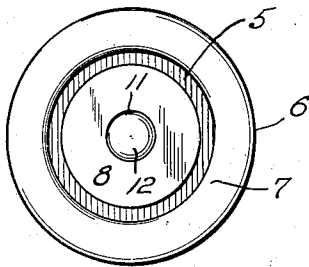
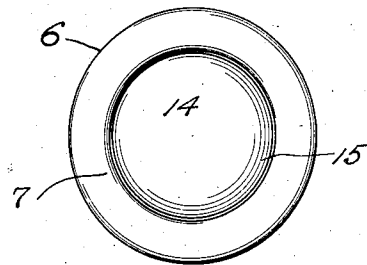


FIG. 4.



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# UNITED STATES PATENT OFFICE.

CARL GEBHARD, OF LOS ANGELES, CALIFORNIA.

## FURNITURE SUPPORT.

Application filed January 26, 1925. Serial No. 4,746.

*To all whom it may concern:*

Be it known that I, CARL GEBHARD, a citizen of Germany, residing at Los Angeles, in the county of Los Angeles and State of California, have invented a new and useful Furniture Support, of which a specification is set forth below.

In this specification, and the accompanying drawing, I shall describe and show a preferred form of my invention, and specifically mention certain of its more important objects. I do not limit myself to the forms disclosed, since various changes and adaptations may be made therein without departing from the essence of my invention as hereinafter claimed; and objects and advantages, other than those specifically mentioned, are included within its scope.

My invention relates to tips for chair legs and similar supporting members of articles of furniture, and among its salient objects are; first, to provide an improved resilient tip having a metallic wearing surface; second, to provide improved means for attaching the wearing surface to the resilient element; third, supply a tip of slightly appearance embodying the above features; and, fourth, to accomplish these results by means of a very simple and relatively inexpensive construction.

My objects are attained in the manner illustrated in the accompanying drawing, in which—

Figure 1 is an elevation of the lower portion of a chair leg with the resilient element of my invention in position thereon, the view being largely in central longitudinal section;

Figure 2 is a bottom view of parts shown in Fig. 1;

Figure 3 is a view similar to Fig. 1 except that the tip is herein shown complete, in section; and

Figure 4 is a bottom view of the parts shown in Fig. 3.

Similar reference numerals refer to similar parts throughout the several views.

In the form of my invention selected for illustrative purposes, the resilient element comprises a specially shaped pad 5 which is preferably made of a good quality of gum rubber, without fabric or other reinforcement therein. This has an annular rim 6 around its periphery and an inwardly extending flange 7 at the lower extremity of the rim. A central core 8, of a diameter

somewhat less than the internal diameter of flange 7, extends downwardly slightly below the flange. This pad is provided with a central hole whereby it can be attached to a chair leg 9, or to other furniture and the like, by means of a nail 10. The lower end of the nail hole is countersunk, as at 11, to accommodate the nail head 12. A coaxial washer 13 is embedded in the material of the pad in the manner illustrated in Figs. 1 and 3, prior to vulcanization.

The wearing element of the invention comprises a metallic cap which usually has a slightly rounded wearing surface 14; rounded corners 15; and an outwardly turned rim flange 16 adapted to engage the annular groove 17 in the pad. The mouth of the cap is preferably slightly constricted, as shown in Fig. 3, so that its internal diameter is less than the diameter of pad core 8.

My improved tip is installed by first securing the resilient pad in position by means of nail 10, as shown in Fig. 1. The metallic cap is then applied by stretching rim 6 and flange 7 of the pad over flange 16 of the cap, and at the same time forcing the resilient core 8 into the mouth of the cap as shown in Fig. 3.

It will be obvious that the weight of furniture equipped with my invention is resiliently supported by the compression of the material of the pad between the bottom of supporting member 9 and the upper surface of cap flange 16. The area of this surface may easily be made amply sufficient to insure that the resilient material shall not be unduly stressed, and thereby its life may be greatly prolonged.

It will also be apparent that side stresses on the cap, resulting from sliding resistance and knocks for instance, are taken up and resiliently resisted by means of the core 8.

Finally it is to be noted that the relatively large surface of washer 13 prevents the material of the pad from being unduly compressed and injured when nail 10 is being driven.

In United States Patent Number 1,487,678, issued to me March 18, 1924, I showed and described a similar wearing cap, and a somewhat similar resilient pad, to what is disclosed herein. What is claimed herein however is patentably distinguished from the claims of said patent.

I claim:

1. A furniture support comprising; a base having a peripheral flange; a cushioning pad of resilient material above the base having a cupped periphery stretched over said flange; and means independent of the base for attaching the pad to furniture.

2. A furniture support comprising; a base having a peripheral flange; a cushioning pad of resilient material above the base having a cupped periphery stretched over said flange; and a countersunk co-axial washer having its periphery embedded in the material of the pad, whereby the pad may be attached to furniture independently of the base.

3. A furniture support comprising; a base consisting of an inverted cap having an outwardly turned flange at its mouth; a cushioning pad of resilient material above the base having a cupped periphery stretched over said flange and a central core engaging the mouth of the cap for positioning it laterally; and means independent of the base for attaching the pad to furniture.

4. A furniture support comprising; a base consisting of an inverted cap with a constricted mouth and an outwardly turned flange therearound; a cushioning pad of resilient material above the base having an internally flanged cupped periphery stretched over said base flange, and a central core compressed within the mouth of the cap for positioning it laterally; and means independent of the base for attaching the pad to furniture.

5. A furniture support comprising; a base consisting of an inverted metallic cap with a constricted mouth and an outwardly turned flange therearound; a cushioning pad of resilient material above the base having an internally flanged cupped periphery stretched over said base flange, and a central core compressed within the mouth of the cap for positioning it laterally; and a countersunk co-axial washer having its periphery embedded in the material of the pad, whereby the pad may be attached to furniture independently of the base.

CARL GEBHARD.