

Dec. 2, 1930.

T. P. DUNCAN, JR

1,783,873

FURNITURE CASTER

Filed June 21, 1928

FIG. 1.

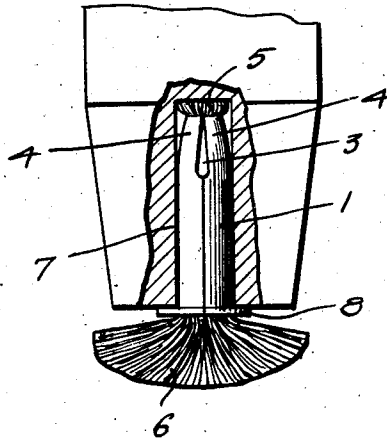


FIG. 2.

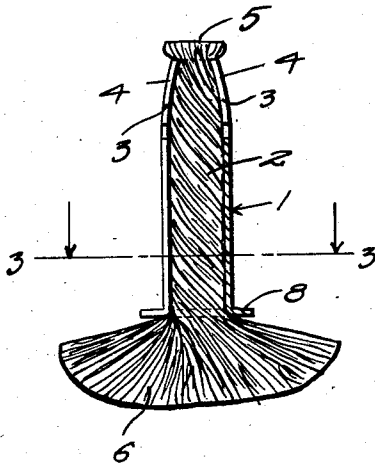
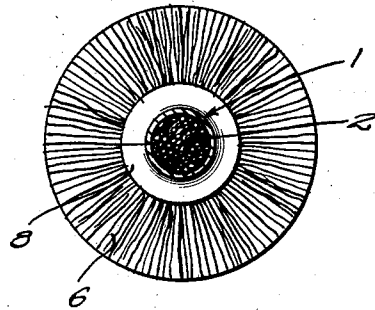


FIG. 3.



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FURNITURE CASTER

Application filed June 21, 1928. Serial No. 287,218.

This invention relates to the class of furniture attachments and pertains particularly to a new and improved type of caster.

The primary object of the present invention is to provide a caster of soft pliable material designed to prevent marring or scratching of a floor surface and also designed to move or slip over the floor surface without sound.

The invention broadly contemplates the provision of a sleeve body preferably formed of metal, which tightly grips a fibrous body such for example as a section of soft twisted rope, the ends of the body projecting beyond the ends of the encasing sleeve, one of the projecting ends being materially longer than the other and being frayed out to provide a bushy head or dome for contact with the floor surface when the sleeve is projected into the bore usually provided in the leg of a piece of furniture. The projecting other end of the fibrous body extends into the bore of the leg abutting the wall at the inner end thereof against which the strands of this end are clamped thus preventing the rope strands from pulling out.

The invention will be best understood from a consideration of the following detailed description taken in connection with the accompanying drawings forming part of this specification, with the understanding, however, that the invention is not confined to any strict conformity with the showing of the drawings but may be changed or modified so long as such changes or modifications mark no material departure from the salient features of the invention as expressed in the appended claim.

In the drawings:—

Figure 1 is a view in side elevation of the caster structure shown in position in a leg of an article of furniture;

Figure 2 is a central longitudinal section through the caster structure;

Figure 3 is a transverse section taken upon the line 3—3 of Figure 2.

Referring to the drawing in detail, the numeral 1 indicates a sleeve body which is preferably formed of relatively heavy metal and which is rolled into this form from a

sheet of metal, about a strand of twisted rope 2. This body of twisted rope may be of any fibrous material such as hemp or cotton and is tightly clamped in the sleeve, each of its ends projecting beyond one end of the sleeve, one of the ends projecting farther than the other.

At the short projecting end of the rope strands, the sleeve is split at diametrically opposite points, as indicated at 3, and the portions 4 thus formed are bent inwardly to more tightly grip the rope body 2 as shown. The adjacent end portion of the rope is then frayed out leaving the small tuft 5.

At the opposite or outer end of the sleeve, the extending or projecting portion of the rope body 2 is frayed and spread to form the tuft 6. This tuft or dome projects beyond the lower end of the leg of the article of furniture in which the caster is positioned and forms a resilient cushion between the leg and the floor.

When the sleeve 1 is forced into the bore 7 which is usually formed in the end of each leg of an article of furniture, for the reception of caster sleeves, the tufted inner end will become jammed against the wall at the inner end of the bore and some of the strands will be wedged between the sleeve and adjacent side wall of the bore. In this manner the strands of the body will be held against being pulled out and the wedged strands will maintain the sleeve in position in the event that the bore is larger than necessary.

If desired the outer end of the sleeve may be provided with the laterally surrounding flange 8, by means of which inward movement of the sleeve will be limited, and under which a tool may be engaged for removing the sleeve.

From the foregoing description, it will be readily seen that a caster of the character herein described will efficiently support articles of furniture without scratching or marring the floor surface and will permit movement of the furniture without noise.

I claim:—

A furniture caster comprising a metal cylinder having oppositely disposed longitudinal slits formed in one end thereof, said slit-

ted end of the cylinder being adapted for extension into a bore in the leg of an article of furniture, a flange formed about the other end of the cylinder for engagement against the furniture leg, and a twisted body of fibrous material extending through said cylinder and projecting slightly beyond the slitted end, those portions of the cylinder formed by slitting the same being compressed to grip the body therein, the other end of said fibrous body being frayed and tufted to form a supporting dome, that end of the body adjacent the slits of the cylinder being adapted to be wedged between the adjacent cylinder end and the inner wall of a bore in which the cylinder is positioned.

In testimony whereof I hereunto affix my signature.

THOMAS P. DUNCAN, JR.

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