

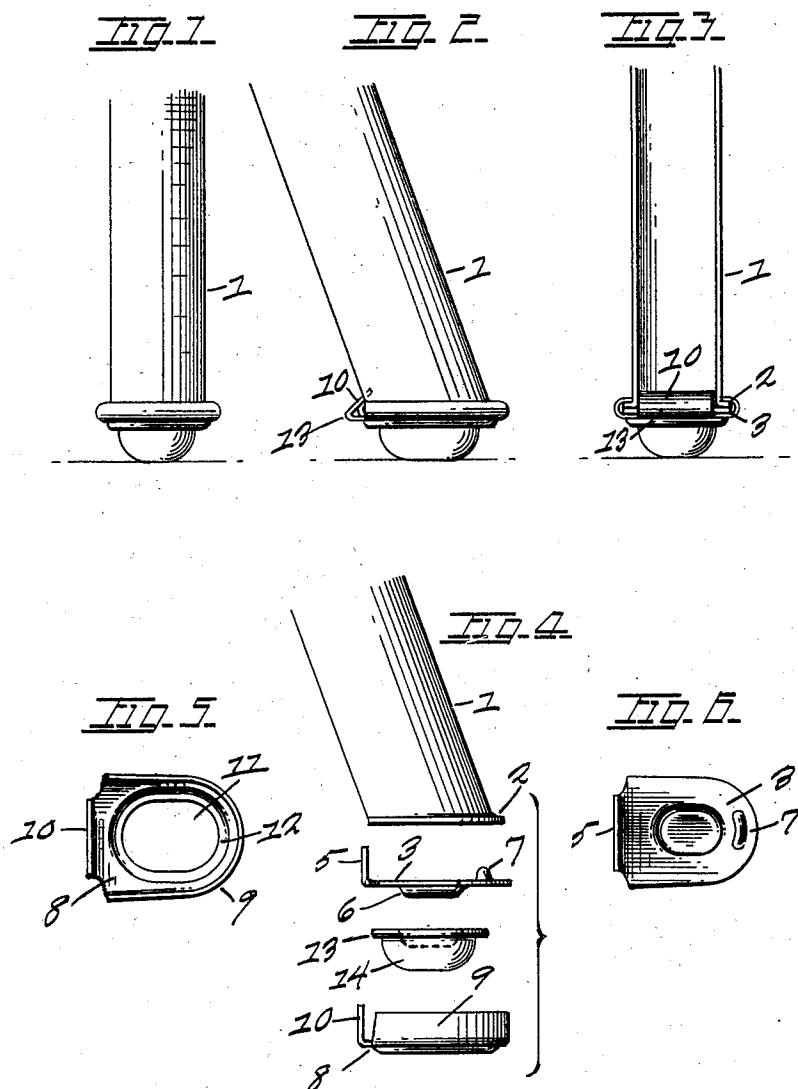
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J. F. L. UHL.
CUSHIONED FOOT FOR METAL FURNITURE.

APPLICATION FILED JUNE 18, 1903.

NO MODEL.



WITNESSES

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UNITED STATES PATENT OFFICE.

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CUSHIONED FOOT FOR METAL FURNITURE.

SPECIFICATION forming part of Letters Patent No. 753,762, dated March 1, 1904.

Application filed June 18, 1903. Serial No. 162,025. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH F. L. UHL, of Toledo, county of Lucas, and State of Ohio, have invented certain new and useful Improvements in Cushioned Feet for Metal Furniture; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form part of this specification.

My invention has reference to a foot for metal furniture; and it has for its object to provide a simple and inexpensive cushioned foot for the metal leg-standards of such furniture, which after being secured in position will be firmly held against accidental displacement.

A further object is to provide a foot for U-shaped metal leg-standards which is capable of easy removal and replacement when it becomes necessary to renew the cushion. The necessity of cushioning the lower ends of the leg-standards of metal furniture is apparent, since furniture of this character when unprovided with cushions will scratch and injure a floor and result in permanent damage thereto, this being particularly the case with polished-wood, marble, and tiled floors. Where metal furniture is provided with cushioned feet, the same may be moved about upon highly-finished floors without damage thereto, and the usual grating noise resulting from frictional contact of the metal leg-standards with the floor, very annoying to the ear, is entirely prevented, the movement of the furniture while in contact with the floor being practically noiseless.

In carrying out my invention I employ the novel construction, combination, and arrangements of parts hereinafter shown, described, and particularly pointed out in the claims.

In the drawings, Figures 1, 2, and 3 are front, side, and rear elevations, respectively, of a metal leg-standard with my improved foot secured in position thereon. Fig. 4 is a view of the lower end of the leg-standard and the parts of the foot as they appear before as-

sembling. Figs. 5 and 6 are top plan views of the sheet-metal backing-plate and the retaining-plate adapted to hold the cushion of the foot in place between them.

Referring to the details of construction, 1 indicates the lower end of a furniture leg-standard, the same being constructed of sheet metal, preferably sheet-steel, and having a substantially U-shaped cross-section. The lower edge of the leg-standard is flanged outwardly, as shown at 2.

3 is a sheet-metal plate, which I will term a "backing-plate," the same having a rounded forward edge and straight sides corresponding in outline with the outer edge of the flange 2. At its rear edge said plate is provided with an upwardly-extending portion 5, adapted when in position in contact with flange 2 to fit within and between the side portions of the U-shaped leg-standard. The backing-plate 3 is formed on its upper face with a recess, and a consequent raised portion 6 projects from its lower face.

7 is an upwardly-extending nipple formed in the plate near its forward edge and adapted to contact with the inner rounded face of the U-shaped standard when the parts are assembled.

8 is a sheet-metal retaining member formed with an upwardly-extending flange 9 and an upwardly-bent portion 10, adapted to fit within and between the sides of the U-shaped leg-standard. Centrally of the member 8 is provided an elliptical-shaped opening 11, formed with a marginal offset or shoulder 12, to receive the edges 13 of a cushion 14, adapted to fit within the opening 11. This cushion is constructed of any suitable material having the requisite toughness to withstand wear, leather being preferred for this purpose, and the same is formed by means of suitable dies into the required shape, there being also a recess formed in its upper face (shown in dotted lines, Fig. 4) adapted to receive the raised portion 6 upon the lower face of the backing-plate 3.

The parts of the foot are assembled in the order shown in Fig. 4, the plate 3 being in contact with the flange 2, provided upon the leg-standard 1, the cushion 14 in contact with

the lower face of the backing-plate 3, and the retaining member 8 with its marginal flange inclosing the plate 3 and the lower flanged end of the leg-standard. When the parts are thus assembled, the flange 9 upon the member 8 is turned over upon the flange 2, thereby firmly clamping the marginal edges of the cushion 14 between the offset 12 and the outer margin of the raised portion 6, provided upon the backing-plate. The portions 5 and 10, respectively, of the plate 3 and the member 8 will occupy the space between the straight sides of the leg-standard and hold the same apart; otherwise if the sides were accidentally forced together the foot would become disengaged from the leg. Should it become necessary, owing to the cushion being worn out, to renew the same, the angular portion 15 is struck forcibly with a hammer, causing the nipple 7 to be turned over by engagement with the forward inside face of the leg-standard, the foot being then readily detached from the leg by sliding forwardly along the flange 2, said flange being undamaged by this operation. A new foot may then be placed in position thereon. A cushioned foot constructed as herein described will be extremely rigid, easily attached, and replaced for the purpose of renewal, the same being neat and attractive in appearance.

Although I have specifically described my invention in its application for attachment to U-shaped members, I do not wish to limit the employment of the same upon such members alone, since it is apparent that a foot embodying all the essentials of my improvement may be attached to tubular or elliptical metal sections provided upon their ends with an outwardly-extending flange.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a foot for metal furniture, the combination with a flanged leg-standard, of a backing-plate in contact with the end of the leg-standard and the flange thereon, a retaining member provided with an opening and having edges adapted to be turned over to engage the flange upon the leg-standard, and a cushion disposed in the opening in the retaining member having edges adapted to be clamped between the backing-plate and the retaining member, substantially as described.

2. In a foot for metal furniture, the combi-

nation with a tubular leg-standard provided with an outwardly-extending flange at its lower end, of a backing-plate in contact therewith and having a raised portion, a retaining member provided with a marginal flange adapted to be turned upon the flange of the leg-standard, and having an opening, and a cushion adapted to be clamped in position within the opening in the retaining member between its marginal edges and the raised portion upon the backing-plate, substantially as described.

3. In a foot for metal furniture, the combination with a U-shaped metal leg-standard provided with a U-shaped flange, of a backing-plate in contact with the lower end of the leg-standard having a raised portion, a retaining member also provided with a U-shaped flange adapted to be turned over upon the flange of the leg-standard and having an opening, and a cushion adapted to be clamped in position in the opening in the retaining member between its marginal edges and the raised portion upon the backing-plate, substantially as described.

4. In a foot for metal furniture, the combination with a metal leg-standard provided with a U-shaped flange, of a backing-plate having front and side margins corresponding to the shape of the flange upon the leg-standard, and having the raised portion 6 on its lower face, the nipple 7 adapted to contact with the front inner face of the leg-standard, and the bent portion 5, adapted to take a position between the sides of the leg-standard, the retaining member having the marginal flange 9 adapted to be turned upon the flange provided on the leg-standard, and also having the opening 11 provided with a marginal offset, and the bent portion 10, and a cushion secured in position in the opening provided in the retaining member, and having formed edges lying in the offset surrounding said opening, and adapted to be clamped between the same and the raised portion upon the backing-plate, substantially as described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JOSEPH F. L. UHL.

Witnesses:

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DAN. W. MILLER.