

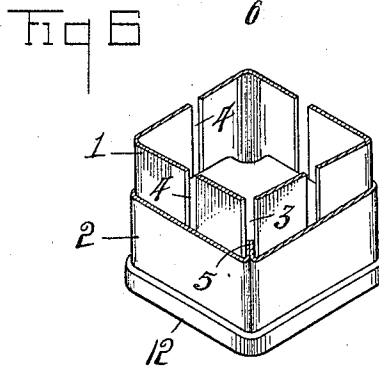
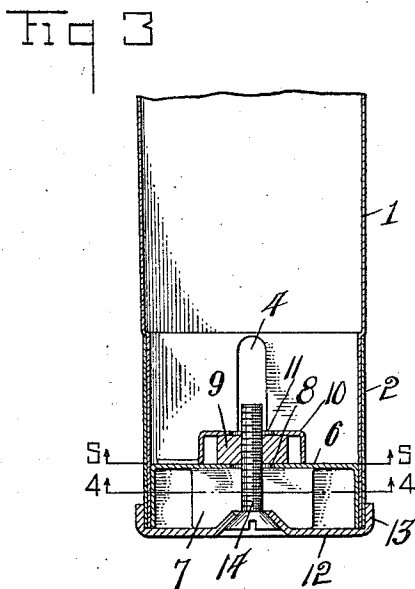
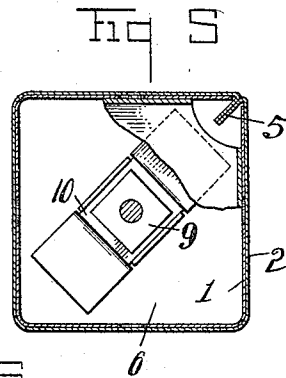
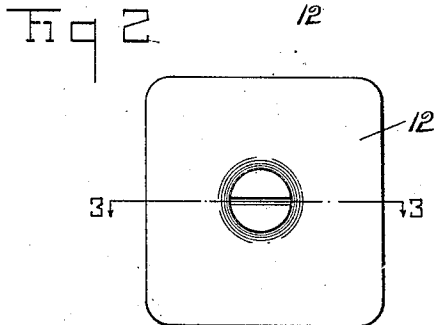
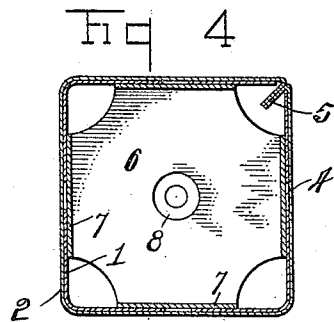
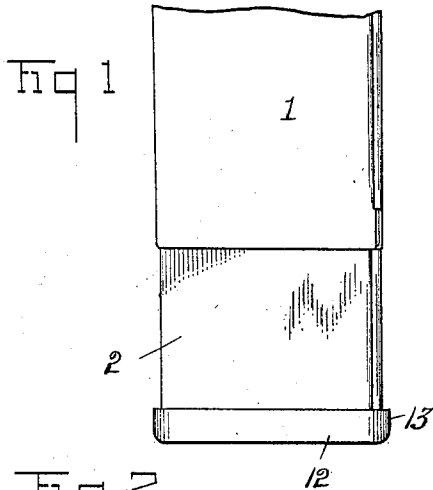
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C. R. UHL

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FOOT CAP FOR FURNITURE LEGS

Filed April 30, 1923



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UNITED STATES PATENT OFFICE.

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FOOT CAP FOR FURNITURE LEGS.

Application filed April 30, 1923. Serial No. 635,430.

To all whom it may concern:

Be it known that I, CLEMENT R. UHL, a citizen of the United States, and a resident of Toledo, in the county of Lucas and State of Ohio, have invented a new and useful Foot Cap for Furniture Legs, which invention is fully set forth in the following specification.

This invention relates especially to metal furniture and particularly to caps or foot members for table legs and other standards.

The primary object of the invention is the provision of a device of the class described which is inexpensive to manufacture, strong and durable in its construction and capable of being easily and quickly attached to or removed from a leg or standard as desired.

The invention is fully described in the following description, and while in its broader aspect it is capable of embodiment in numerous forms, a preferred embodiment thereof is illustrated in the accompanying drawings, in which,—

Figure 1 is a side elevation of the lower end portion of a furniture leg equipped with my invention. Fig. 2 is a bottom view thereof. Fig. 3 is a central longitudinal section on the line 3—3 in Fig. 2. Figs. 4 and 5 are cross sections respectively on the lines 4—4 and 5—5 in Fig. 3, and Fig. 6 is a perspective view of the lower end portion of the leg with the enclosing foot sleeve partly broken away.

Referring to the drawings, 1 designates a leg of an article of furniture, which leg in the present instance is rectangular in cross-section and formed of sheet metal folded or bent so that the side edges meet and are joined together at one corner thereof, as well understood in the art. The lower or foot end of the leg is preferably slightly reduced to adapt the foot sleeve 2 to telescopically fit thereover with its outer surfaces substantially flush with the corresponding outer side surfaces of the leg above the reduced portion. One corner of the reduced or foot portion of the leg is provided with a slot-like longitudinally extending opening 3, formed in the present instance by spacing the adjoining side edges of the leg material. The only purpose of the remaining longitudinally extending slots 4 of the leg end is to facili-

tate drawing in of the metal to form the reduced portion. It makes no difference, however, so far as the invention is concerned, whether the leg end is reduced or not.

The foot sleeve 2 is formed in rectangular or other cross sectional form the same as the leg 1 with its meeting edges disposed at a corner thereof and each formed with an inturned flange 5, which flanges are projected into the leg slot 3 and held closely together by the side walls thereof, as is apparent. In assembling the sleeve 2 on the leg the sleeve is held with its flanged edges meeting and is then telescopically forced onto the leg end with the flanges 5 entering the slot 3. It is evident that the only way the sleeve 2 can be removed from the leg is by longitudinal withdrawal of one from the other.

A diaphragm 6, preferably of sheet metal, is set into the outer end of the leg 1, preferably in spaced relation to such end, and is provided at its sides with outwardly turned wings or flanges 7 which are secured to the adjacent sides of the leg by spot-welding or in any other suitable manner. The diaphragm 6 has a central opening 8 therein and a nut 9 is held against the inner side of the diaphragm with its opening in register with the diaphragm opening 8 and axially disposed with respect to the leg by a yoke member 10 which has flanged feet spot-welded or otherwise suitably secured to the diaphragm. An opening 11 is provided through the yoke in register with the nut opening.

A cap 12 which is provided with a shallow edge flange 13 conforms in shape to the cross sectional shape of the flange 2 and is fitted against the outer end of the sleeve with its flange encompassing the sleeve end. A screw 14 is projected through the central aperture in the cap 12 and threaded into the nut 9 to secure the cap and sleeve firmly in position on the leg. The marginal wall of the cap opening is countersunk to receive the head of the screw.

The sleeve 2 and cap 12 are preferably made of brass to prevent rusting and to give the leg a finished and capped appearance. It is evident that the leg may be of any other form in cross section other than rectangular and that the slot 3 may be disposed at any

other portion of the leg than a corner thereof without departing from the spirit of the claims.

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

1. A leg having a longitudinally extending slot in its foot end, a sleeve detachably fitting over the leg and having parts projecting into the leg slot, a cap fitting against the outer end of the sleeve, and means for securing the cap to the leg.

2. A leg having a longitudinally extending slot in its foot end, a sleeve member having free side edges abutting and forming inturned flanges, the sleeve being adapted to be telescoped over the leg and with its flanges projecting into the leg slot, a cap member fitted against the outer end of the sleeve, and means disposed within the leg and operable to releasably retain the cap and sleeve in engagement with the leg.

3. A leg of the class described having a hollow lower end and a longitudinal slot extending inward a distance from its end,

a nut secured within the leg, a strip of sheet metal fashioned to form a sleeve for telescopically fitting over the outer end of the leg and having inwardly projecting flanges at its meeting edges which enter the leg slot, a cap fitted over the outer end of the sleeve, and a screw projected through the cap and threaded into the nut with its outer headed end countersunk in the cap.

4. A metal furniture leg rectangular in cross section and having a slot extending inward from its outer end at a corner thereof, means within the outer end portion of the leg forming a nut, a strip of metal fashioned to conform to the cross sectional shape of the leg and adapted to telescopically fit thereover and having its meeting edges inwardly flanged and adapted to fit into the leg slot, a cap fitted over the outer end portions of the sleeve and leg, and means threading into said nut and detachably holding the cap and sleeve to the leg.

In testimony whereof, I have hereunto signed my name to this specification.

CLEMENT R. UHL.