

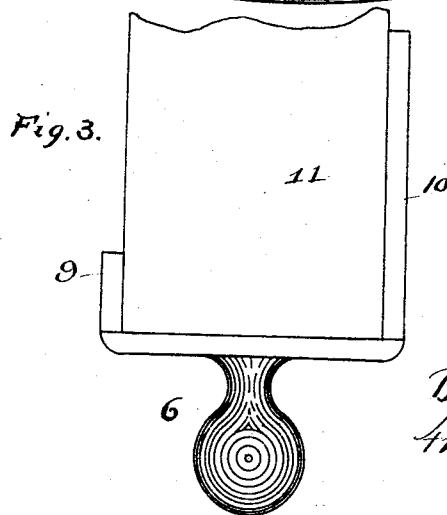
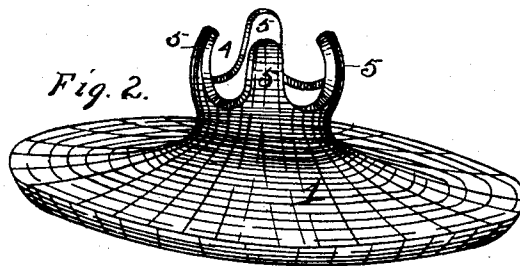
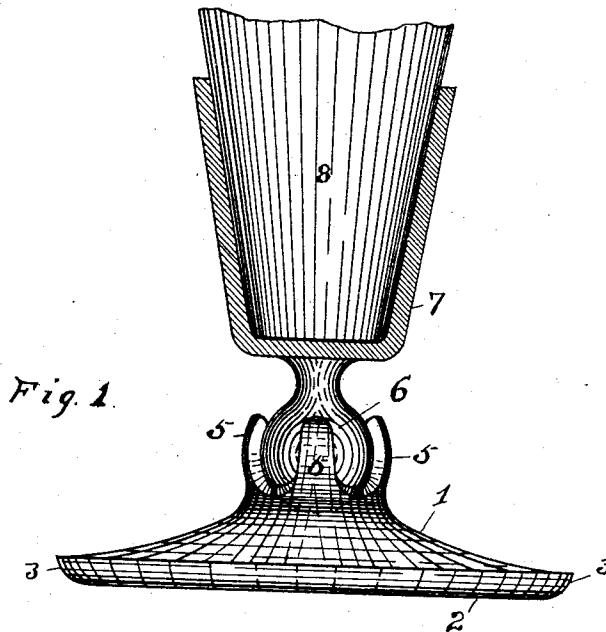
No. 766,210.

PATENTED AUG. 2, 1904.

D. W. YOUNG, JR., H. B. GRAF & C. O. SHUPERT.
FLOOR COVERING PROTECTOR.

APPLICATION FILED MAY 12, 1904.

NO MODEL.



Witnesses
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Patented August 2, 1904.

UNITED STATES PATENT OFFICE.

DANIEL W. YOUNG, JR., HENRY B. GRAF, AND CLAYTON O. SHUPERT,
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FLOOR-COVERING PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 766,210, dated August 2, 1904.

Application filed May 12, 1904. Serial No. 207,514. (No model.)

To all whom it may concern:

Be it known that we, DANIEL W. YOUNG, JR., HENRY B. GRAF, and CLAYTON O. SHUPERT, citizens of the United States, residing at Miamisburg, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Floor-Covering Protectors; and we do declare the following to be a full, clear, and exact description of the invention, such as 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 a part of this specification.

Our invention relates to new and useful improvements in floor-protectors for attachment to the legs of chairs or various other articles of furniture.

The object of the invention is to provide a device of the above character which, as stated, is attachable to the legs of chairs and serves to prevent any injury to floor-coverings or hard-wood floors due to the tilting or leaning backward of the chairs. In constructing such device we have had an eye single to the requirements of such a device, which are as follows: First, the base of the device must be flat and sufficiently broad or of a sufficient circumference to provide a substantial flat surface which rests upon the floor and is unaffected by any movements of the chair due to the tilting backward of the occupant or the leaning backward of the occupant of the chair; secondly, the connection of such a device with the leg of a chair must be such as will enable a free movement of the leg in tilting in any direction without disturbing or affecting the base member.

Preceding a detail description of our invention reference is made to the accompanying drawings, of which—

Figure 1 is an elevation of our improved floor-protector, showing the same partially in section and connected with the end of a chair-leg. Fig. 2 is a detached perspective view of the base or floor member. Fig. 3 is a view of a modified construction of that portion of the device attachable to a square chair-leg.

In a detail description of the invention similar reference characters indicate corresponding parts.

1 designates the base or floor member, the lower surface 2 of which has a substantial broad area and is flat throughout with the exception of the annular margin 3, which is rounded to avoid any sharp edges at the lower surface. In the middle of the upper side of said base member there is a semispherical socket 4, which is inclosed on four opposite sides by lips 5, which extend upwardly above the center of said socket and inclose a ball 6, which in connection with said socket forms a universal joint. The ball 6 is on the lower end of a leg-socket 7, which receives the end 8 of a chair-leg. The lips 5 are of sufficient length to extend upwardly adjacent to the neck of the ball in order that the ball may be caged within the socket and prevented from removal therefrom during the tilting of the chair. In Fig. 3 the ball 6 is projected from a leg-socket consisting of two sides which inclose the forward and back sides of a square chair-leg 11 and is attachable to said chair-leg by means of countersunk screws which penetrate the sides.

Having described our invention, we claim—

A floor-covering protector for attachment to legs of chairs, the same consisting of a base or floor member having a flat surface of substantial area with a semispherical socket in the upper surface thereof, said socket being surrounded by a series of inclosing lips, a leg member having a ball projected from the lower end thereof inclosed within the socket in the base member and maintained therein by said upwardly-projected lips, as herein shown and described.

In testimony whereof we affix our signatures in presence of two witnesses.

DANIEL W. YOUNG, JR.
HENRY B. GRAF.
CLAYTON O. SHUPERT.

Witnesses:

R. J. McCARTY,
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