F. W. SMITH.

SLIDING SHOE FOR FURNITURE.

APPLICATION FILED OCT. 2, 1919.

1,347,720. Patented July 27, 1920.

FIG. 1.

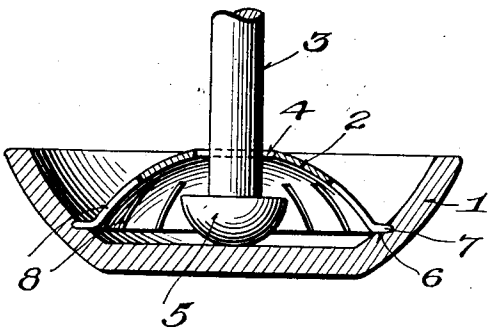


FIG. 2.

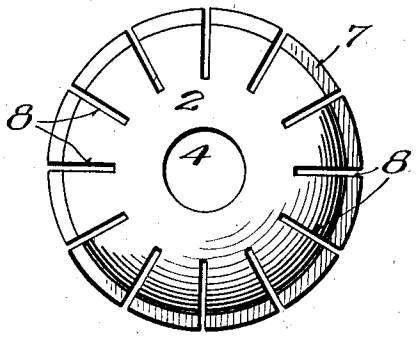


FIG. 3.

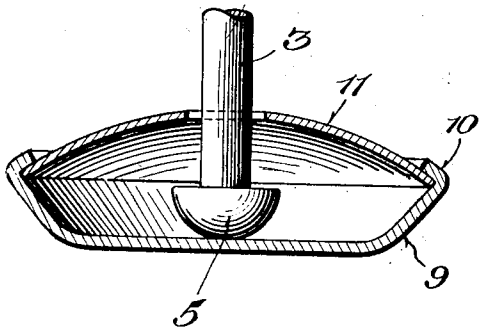
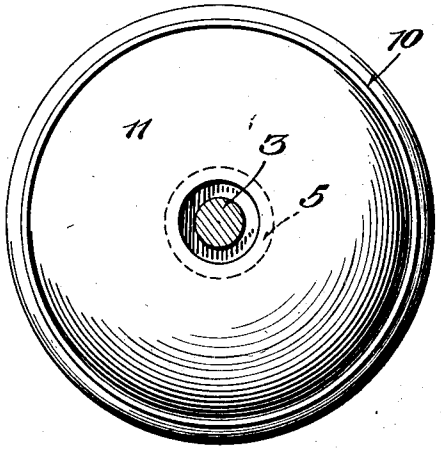


FIG. 4.



Inventor

Friend W. Smith

By [illegible] Attorney

UNITED STATES PATENT OFFICE.

FRIEND W. SMITH, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO THE BASSICK COMPANY, OF BRIDGEPORT, CONNECTICUT, A CORPORATION OF CONNECTICUT.

SLIDING SHOE FOR FURNITURE.

1,347,720. Specification of Letters Patent. **Patented July 27, 1920.**

Application filed October 2, 1919. Serial No. 327,900.

To all whom it may concern:

Be it known that I, FRIEND W. SMITH, a citizen of the United States, residing at the city of Bridgeport, county of Fairfield, State of Connecticut, have invented certain new and useful Improvements in Sliding Shoes for Furniture; and I 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.

This invention relates to certain new and useful improvements in a sliding shoe for furniture, and it has for its principal object to provide a shoe with a pintle having pivotal and swivel connection therewith.

Further, the invention resides in an economical and simplified construction capable of easy and expeditious assemblage, and a shoe designed to contain an insecticide for keeping away bugs and insects.

In the drawings:

Figure 1 is a vertical section through a shoe embodying the present invention and depicting the pintle in elevation.

Fig. 2 is a top plan view of the top or cover plate of the shoe;

Fig. 3 is a view similar to Fig. 1 showing a modified form of the invention;

Fig. 4 is a top plan view of the modified shoe.

In the preferred form the shoe comprises a cup or bowl-shaped body 1, which may be cast, a convex cover top plate 2 and a pintle 3, the latter passing through a larger opening 4 in the cover plate whereby it may have limited pivotal swing relative thereto. The lower end of the pintle is provided with a head 5 having a convex bearing face normally resting on the bottom of the bowl-shaped body for rocking or rolling motion as defined by the opening 4. Adjacent its bottom the body has its inside wall formed with an annular groove or channel 6 into which the peripheral edge or lip 7 of the cover plate may be sprung or pressed, said lip possessing sufficient resiliency to yield as it is forced down the inclined side wall of the body into the groove. To augment its resiliency the cover plate may be provided with a series of radial slits 8 extending through the lip.

It is evident, therefore, that the cover plate retains the parts of the shoe together and holds the pintle against dislodgment while permitting rocking movement thereof by reason of the enlarged plate opening 4 and the rounded head bearing on the bottom of the bowl.

In this construction as shown, not only is a cheap and serviceable sliding shoe afforded but insecticide may be poured into the bowl and up through the slits and thus provide an excellent insect proof shoe.

The lip 7 may be omitted and the lower rounded edge of the cover plate interlocked with the annular groove by springing it into position, although the lip provides an additional securement.

In the modified construction the shoe is made from sheet metal, the body 9 has its upper edge curled inwardly to provide an annular pocket 10 in proximity to said edge, and the peripheral edge of the cover plate 11 is sprung into the pocket; or, the upper edge of the body 9 may be rolled in over the cover plate after positioning the latter in said body. Radial slits may or may not be provided in the cover plate to increase its resiliency.

What is claimed is.

1. A sliding shoe for furniture, comprising a bowl-shaped body having an annular groove in its inner side wall, a convex cover plate having its peripheral edge portion engaged in the groove and formed centrally with an aperture, and a pintle passed through the aperture and bearing on the bottom of the body.

2. A sliding shoe for furniture, comprising a bowl-shaped body having an annular groove in its inner side wall, a convex cover plate having its peripheral edge portion engaged in the groove and formed centrally with an aperture, and a pintle of considerably less diameter than the aperture and passing therethrough, said pintle having a rounded head bearing on the bottom of the body.

3. A sliding shoe for furniture comprising

a bowl-shaped body having its inner wall provided with a locking shoulder, a cover plate having its peripheral edge portion engaged against said shoulder and formed with a central aperture, and a pintle passed through the aperture and bearing on the bottom of said body.

In testimony whereof I affix my signature in presence of two witnesses.

FRIEND W. SMITH.

Witnesses:
E. J. OCTON,
M. T. LONGDON.