

S. W. LLOYD & E. COOGAN

FURNITURE TIP.

No. 175,472.

Patented March 28, 1876.

Fig. 1.

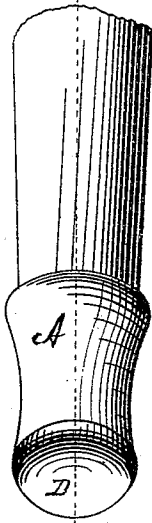


Fig. 2.

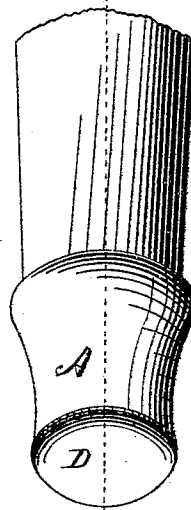


Fig. 3.

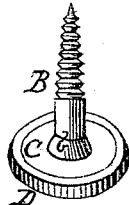
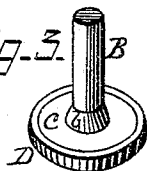


Fig. 4.

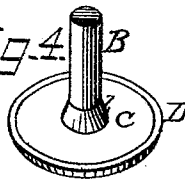


Fig. 5.

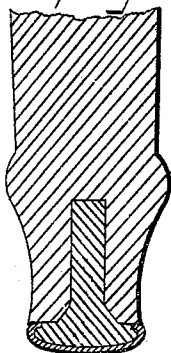
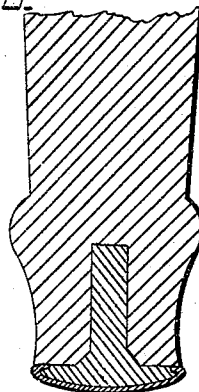


Fig. 5.



WITNESSES:

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UNITED STATES PATENT OFFICE.

SAMUEL W. LLOYD AND EDWARD COOGAN, OF WASHINGTON, D. C.

IMPROVEMENT IN FURNITURE-TIPS.

Specification forming part of Letters Patent No. **175,472**, dated March 28, 1876; application filed March 4, 1876.

To all whom it may concern:

Be it known that we, SAMUEL W. LLOYD and EDWARD COOGAN, of Washington, in the county of Washington and District of Columbia, have invented certain new and useful Improvements in Shoe for Furniture; and we do hereby declare that the following is a full, clear, and exact description thereof, 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 letters of reference marked thereon, which form a part of this specification.

The nature of our invention consists in the construction and arrangement of a tip or shoe for the lower ends of furniture legs or supports, as will be hereinafter more fully set forth.

The object of our invention is to furnish a tip or shoe which, while it is simple and easily applied, is at the same time durable, and not liable to become detached, and which will prevent injury to the carpets.

In the annexed drawing, Figures 1 and 2 are perspective views of furniture-legs with our invention applied thereto. Figs. 3 and 4 are perspective views of the shoes or tips. Figs. 5 and 6 are longitudinal sections of Figs. 1 and 2, respectively.

A represents the leg or other support for a piece of furniture, in the lower end of which is a central hole extending upward for a suitable distance. The shoe or tip is formed of a vertical shank, B, with head C at its lower end, said head being convex on its under surface and flat on its upper surface. Over the convex side of the head C is spun a casing or covering, D, the edges of which cover the edges of the head, or it may be made by inserting the casing or covering in a mold, and pouring the soft metal, in a molten state, on its concave side, so as to form the shank and head with the covering around the head, as shown.

This covering is made, preferably, of steel or nickle, as such material is susceptible of high polish, and retains its smooth and glassy surface when used, and is not liable to become roughened by usage, and hence will glide easily over carpets without injuring the same.

The shank B may be made in the form of a straight pin or a screw, and has at its bottom next to the head, a beveled enlargement, *b*, to enter a countersink in the lower end of the leg, and form a better bearing for the shoe. The shank being made of some soft or pliable metal, as described, when the piece of furniture is tilted—like, for instance, chairs sometimes are—the shank will not be liable to draw out but very little and then bend; and when the piece of furniture comes back in position again the shank will bend back, and the shoe be in its proper place.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. A tip or shoe for furniture, having a steel or nickle covering formed around a convex head, as shown and described.

2. The furniture-tip or shoe, having the soft-metal shank B, forming a part thereof, and adapted to be inserted into the legs of furniture, substantially as and for the purposes set forth.

3. A furniture-tip, having soft-metal shank B, with beveled enlargement *b*, convex head C, and steel or nickle covering D formed over said head, substantially as described, and for the purposes set forth.

In testimony that we claim the foregoing as our own we affix our signatures in presence of two witnesses.

SAMUEL W. LLOYD.
EDWARD COOGAN.

Witnesses:

JAMES NICHOLS. CALLAN,
WM. MARTIN.