

C. B. SHELDON.

Furniture-Casters.

No. 137,251.

Patented March 25, 1873.

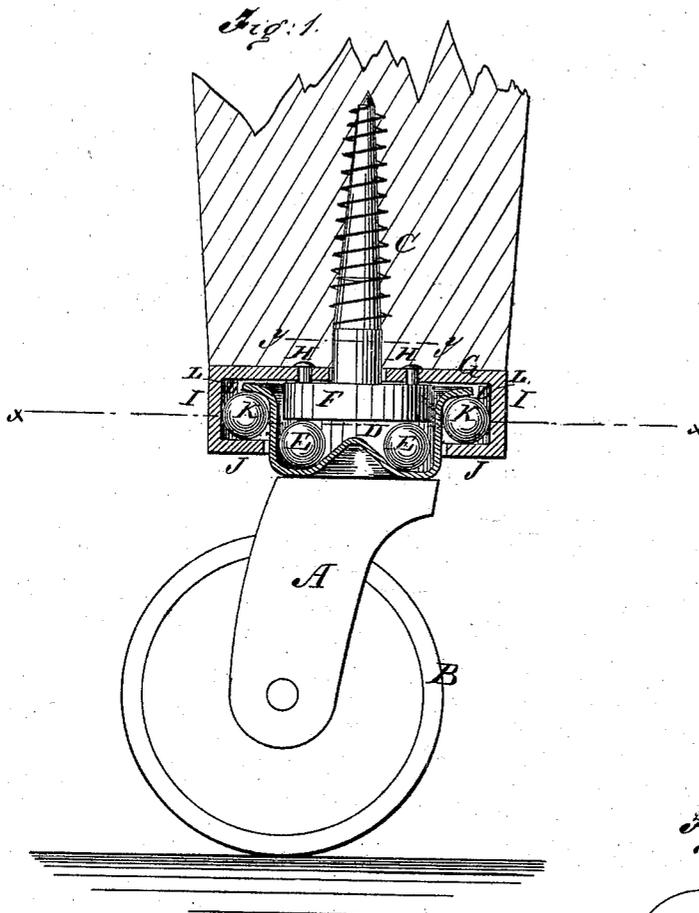


Fig. 3.

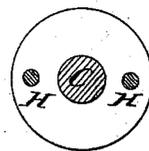
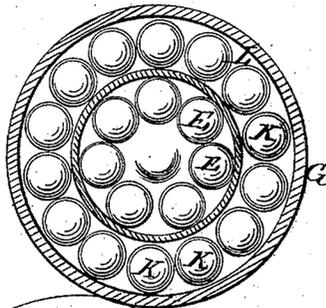


Fig. 2.



Witnesses:

Chas. Nida
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Inventor:

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Per *Wm. H. [Signature]*

UNITED STATES PATENT OFFICE.

CEVEDRA B. SHELDON, OF NEW YORK, N. Y.

IMPROVEMENT IN FURNITURE-CASTERS.

Specification forming part of Letters Patent No. 137,251, dated March 25, 1873.

To all whom it may concern:

Be it known that I, CEVEDRA B. SHELDON, of the city, county and State of New York, have invented a new and useful Improvement in Casters, of which the following is a specification:

The object of this invention is to render furniture and other casters more useful than they now are; and it consists in the arrangement of a series of friction-balls in a casing on and above the stand and between said stand and the cap or socket that is applied to the furniture-leg, the construction being such that the friction is greatly reduced and the caster-wheel made to readily turn and conform to the motion of the piece of furniture moved.

In the accompanying drawing, Figure 1 is a longitudinal section, showing my improvement in an ordinary wheel-caster applied to the leg of a piece of furniture. Fig. 2 is a section of Fig. 1 taken on the line *x x*. Fig. 3 is a section looking down from the line *y y* of Fig. 1.

Similar letters of reference indicate corresponding parts.

In this example of my invention I show my invention applied to the ordinary wheel-caster; but I do not confine it to any particular kind of caster, as it is adapted to casters running on spheres or balls as well as wheels.

A is the stand or bracket. B is the wheel. C is the fastening-screw. To the top of the bracket A I attach a corrugated cup, D, seen in cross-section in the drawing, with friction-

balls E (more or less in number) on the bottom thereof. F is the head of the fastening-screw. G is a cap, which is rigidly attached to the screw or fastening part of the caster by means of rivets H H or in any other manner. This cap is turned down at right angles, as seen at I, and from the rim I it is turned under, as seen at J, thus forming an annular box or recess L on the outside of the cup D, in which recess is placed friction-balls K. The head of the fastening-screw rests on the friction-balls E. The upper edge of the cup D is turned outward into the annular box. This outer tier of friction-balls keeps in place the cap G and steadies the caster on the furniture.

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

1. In combination with a caster, a casing composed of two or more parts, one of which is attached to the stand or bracket and the other to the fastening-screw or plate, with friction-balls between the two, substantially as shown and described.

2. The friction-balls K, arranged in the annular groove L formed between the inner side of the cap G and the turned-out flange of the cup D, as and for the purpose specified.

CEVEDRA B. SHELDON.

Witnesses:

T. B. MOSHER.

ALEX. F. ROBERTS.