

T. S. SMITH.
Furniture Caster.

No. 201,842.

Patented March 26, 1878.

Fig. 1.

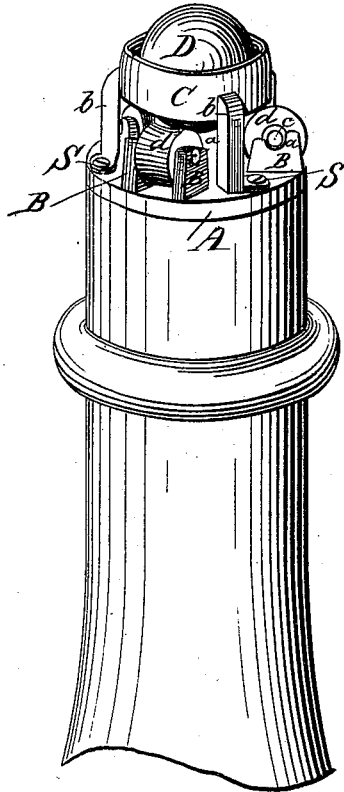
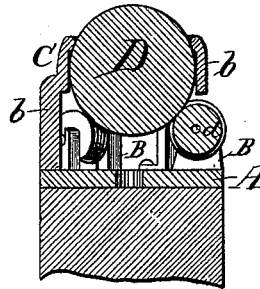


Fig. 2.



Attest.
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UNITED STATES PATENT OFFICE.

THOMAS S. SMITH, OF FAIR HAVEN, CONNECTICUT, ASSIGNOR OF ONE-THIRD HIS RIGHT TO WILLIAM H. MOORE, OF SAME PLACE.

IMPROVEMENT IN FURNITURE-CASTERS.

Specification forming part of Letters Patent No. 201,842, dated March 26, 1878; application filed February 4, 1878.

To all whom it may concern:

Be it known that I, THOMAS S. SMITH, of Fair Haven, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Ball Casters for Furniture and other purposes; and I 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, which form a part of this specification, and in which—

Figure 1 is a perspective view, and Fig. 2 is a vertical section.

Similar letters of reference denote corresponding parts in all the figures.

My invention has reference to certain improvements in anti-friction ball casters, such as are used for heavy furniture, safes, &c.; and it consists in the novel combination of the body-plate, having brackets provided with notches or bearings for the axles of the friction-rollers, with the ball and a ring for retaining the same, the latter being provided with lugs or braces for attachment to the body-plate, all as hereinafter more fully described and claimed.

I shall now proceed more fully to describe my devices with reference to the drawings hereto annexed, in which—

A is the upper ring or body of the caster, having three or more downward-projecting brackets, B B, provided with notches *a a*, which form bearings for the axles of the friction-rollers. C is the lower ring, for retaining the ball D in position. It is provided with upwardly-projecting braces or lugs *b b*, by which it is screwed or otherwise secured to the under side of the ring A. *c c* are the axles

of the friction-rollers, which revolve in the bearings provided for them in the brackets B. Each axle has a roller, *d*, which is solid upon the axle, with which it may be formed in one piece.

From the foregoing description the operation and advantages of my invention will be readily understood. The friction-rollers are easily adjusted in their bearings, from which they are prevented from coming out accidentally by the ball D, which, as before stated, is retained in position by the lower ring C. The caster is attached to the furniture by screws S S, which may, when desired, serve the double purpose of also securing the lower ring C to the body A.

I am aware that the combination of the ball with the friction wheels or rollers is not new, broadly; nor do I broadly claim the arrangement of the ball within the retaining-ring, or the parts of my device separately considered; but,

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

As an improvement in ball casters for furniture, &c., the body A, having brackets B B, provided with bearings *a a*, ball D, retaining-ring C, having lugs or braces *b b*, and axles *c c*, having rollers *d d*, all combined and operating substantially as described, for the purpose herein set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

THOMAS S. SMITH.

Witnesses:

FRANK A. MOORE,
EUGENE H. SMITH,