

G. B. WARREN.
FURNITURE-CASTER.

No. 177,903.

Patented May 23, 1876.

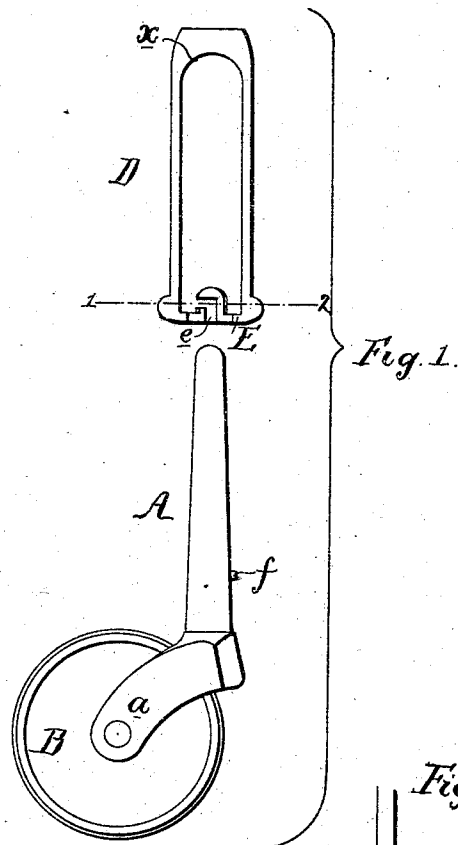


Fig. 1.

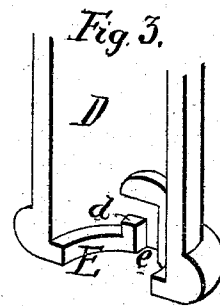


Fig. 3.

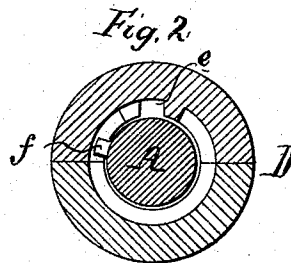


Fig. 2.

Witnesses,
Harry Howson
Harry Smith

George B. Warren
by his Attorneys
Howson and Son

UNITED STATES PATENT OFFICE.

GEORGE B. WARREN, OF PROSPECT, ASSIGNOR TO LEWIS W. KLAHR AND CHARLES F. KLAHR, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN FURNITURE-CASTERS.

Specification forming part of Letters Patent No. **177,903**, dated May 23, 1876; application filed March 29, 1876.

To all whom it may concern:

Be it known that I, GEORGE B. WARREN, of Prospect, Butler county, Pennsylvania, have invented an Improvement in Furniture-Casters, of which the following is a specification:

My invention relates to that class of casters in which the stem carrying the roller is adapted to a socket driven into the leg of a chair or other article of furniture; and the object of my invention is to retain the said stem in the socket by a device, on the principle of what is known as the "bayonet-joint," and yet permit its withdrawal therefrom by a slight manipulation. This object I attain in the manner which I will now proceed to describe, reference being had to the accompanying drawing, in which—

Figure 1 is a side view of the caster and one-half of the two-part socket; Fig. 2, a sectional plan on the line 1 2, Fig. 1, drawn to an enlarged scale; and Fig. 3, a perspective view of a portion of the socket.

A is the stem of the caster, and has at its lower end the usual arms *a*, carrying the roller B. The upper rounded end of the said stem, when the several parts of the caster are in their proper relative positions, bears against the concave portion *x* of the interior of the socket B, which is made in two parts, in the usual manner, as shown in Fig. 2.

Extending round the interior of the socket, at the lower end of the same, is a retaining-flange, E, the continuity of which is inter-

rupted at the point *e*, where a passage is formed in it for the pin *f* on the stem A, when the latter is introduced into the socket. This passage or recess is partly vertical and partly horizontal, so that a slight manipulative effort is required to introduce the stem into the socket, and cause the pin *f* to pass through the said recess in the flange. When the stem has been introduced into the socket, its accidental withdrawal, on lifting the furniture to which it is connected, will be prevented by the pin *f*, flange E, and a projection, *d*, adjacent to the recess. When the socket is elevated, and the pin *f* is bearing on the flange E, the stem may be removed after first raising it until the pin *f* coincides with the horizontal portion of the recess *e*, and then turning the stem until the pin coincides with the vertical portion of the recess.

I do not desire to claim, broadly, a caster and socket secured by means of a bayonet-joint, as this is old and well known; but

I claim as my invention—

In a furniture-caster, the combination of the stem A and its pin *f* with the internal flange E, recess *e*, and projection *d* of the socket, all substantially as and for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEORGE BAILEY WARREN.

Witnesses:

CHAS. C. SULLIVAN,
WILLIAM RIDDLE.