

(No Model.)

G. CUSTER.

CASTER.

No. 270,758.

Patented Jan. 16, 1883.

Fig. 1

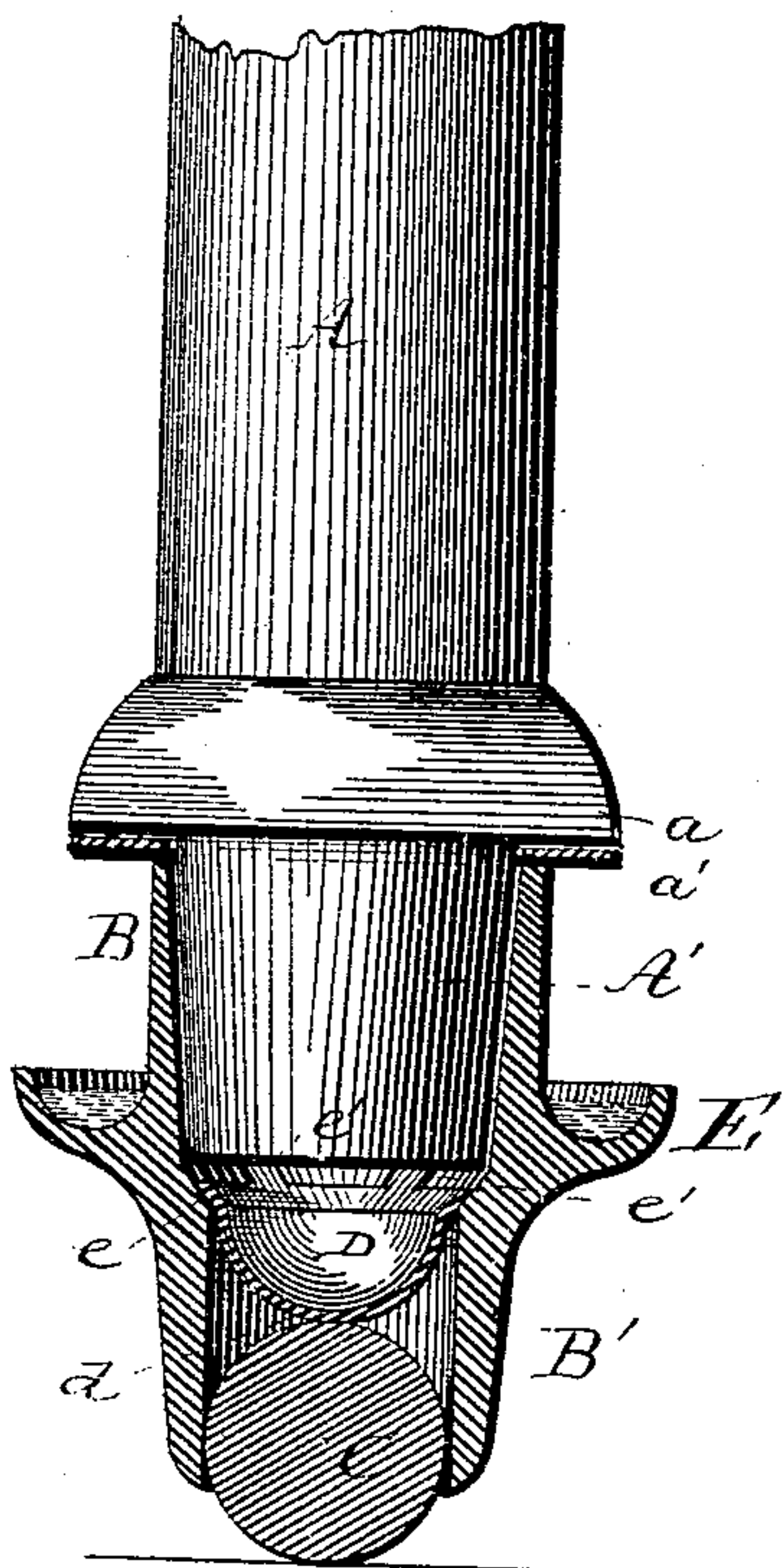


Fig. 2

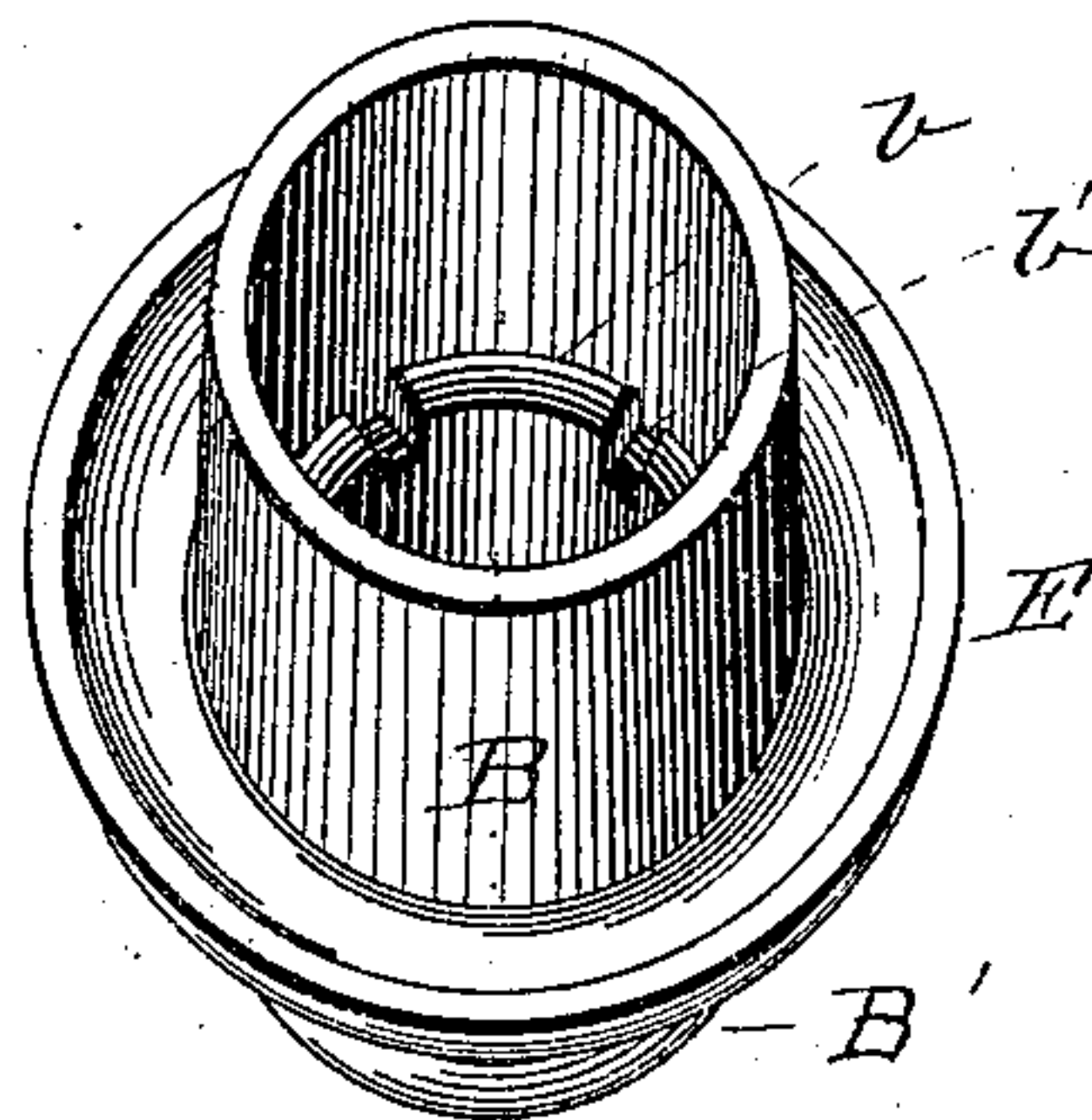
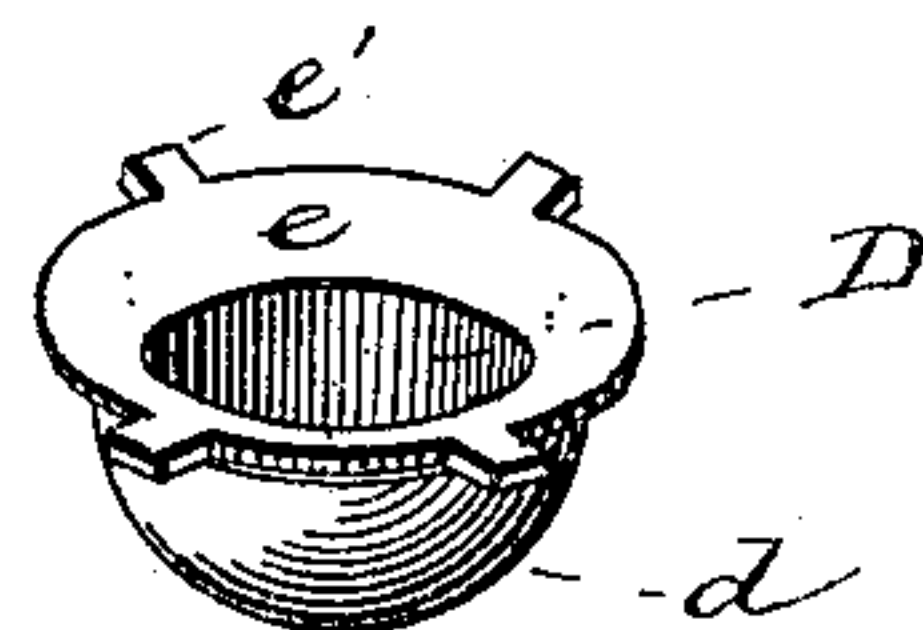


Fig. 3



WITNESSES:

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UNITED STATES PATENT OFFICE.

GEORGE CUSTER, OF LIMA, OHIO.

CASTER.

SPECIFICATION forming part of Letters Patent No. 270,758, dated January 16, 1883.

Application filed September 16, 1882. (No model.)

To all whom it may concern:

Be it known that I, GEORGE CUSTER, of Lima, in the county of Allen and State of Ohio, have invented certain new and useful
5 Improvements in Casters; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference
10 being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a longitudinal sectional view of my improved furniture-caster. Fig. 2 is a perspective view of the socket detached, and Fig. 3 is a perspective detailed view of the convex bearing-button detached from the socket.

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

20 My invention has relation to that class of furniture-casters known as "universal casters" or "ball-casters;" and it consists in the detailed construction and combination of parts, as hereinafter more fully described and claimed.

25 In the accompanying drawings, the letter A designates the lower part of the leg or support of a chair, bed, or any other article of furniture. The end of this is reduced, as shown at A', below an annular off-set or shoulder, a.
30 This reduced part forms a slightly-tapering tenon, upon which is fitted a socket, B, the lower part of which is reduced, as shown at B', forming an inside annular shoulder or off-set, b. The socket B may, if desired, be provided with an exterior annular cup or collar,
35 E, adapted to form a receptacle for insect-poison in a fluid or powdered state. The lower reduced part, B', of the socket tapers in a downward direction, and contains a ball, C, of metal,

vitrified clay, glass, or any other suitable material, which is confined between the lower rim of the socket and a button, D, having a convex swell, d, and a beveled flange, e, provided with projections e' on the rim, adapted to fit into notches b' in the inclined shoulder b upon which it rests. These projections, fitting into notches in the shoulder, prevent the button from being displaced, and the beveled flange e, being depressed by the weight borne by the leg, will act as a wedge, the inclined annular shoulder b thus being held firmly in place. 40
45 When one button is worn out by use another may be inserted, and the caster is again good for use. This button in its turn is held in place by the lower end of the tenon A', as will clearly appear by reference to the drawings. 50
55 A washer, a', may, if desired, be inserted between the upper rim of the socket and the shoulder a of the leg or support.

Having thus described my invention, I claim 60 and desire to secure by Letters Patent of the United States—

A furniture-caster of the described class, consisting of the tapering socket B B', adapted to receive the tenoned leg A A', and having 65 inclined shoulder b, having notches b', the removable convex button D, having annular beveled flange e, provided with projections e', fitting into the notches b', and the ball C, substantially as and for the purpose shown and 70 set forth.

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

GEORGE CUSTER.

Witnesses:

E. B. HALLADAY,
S. MELVON.