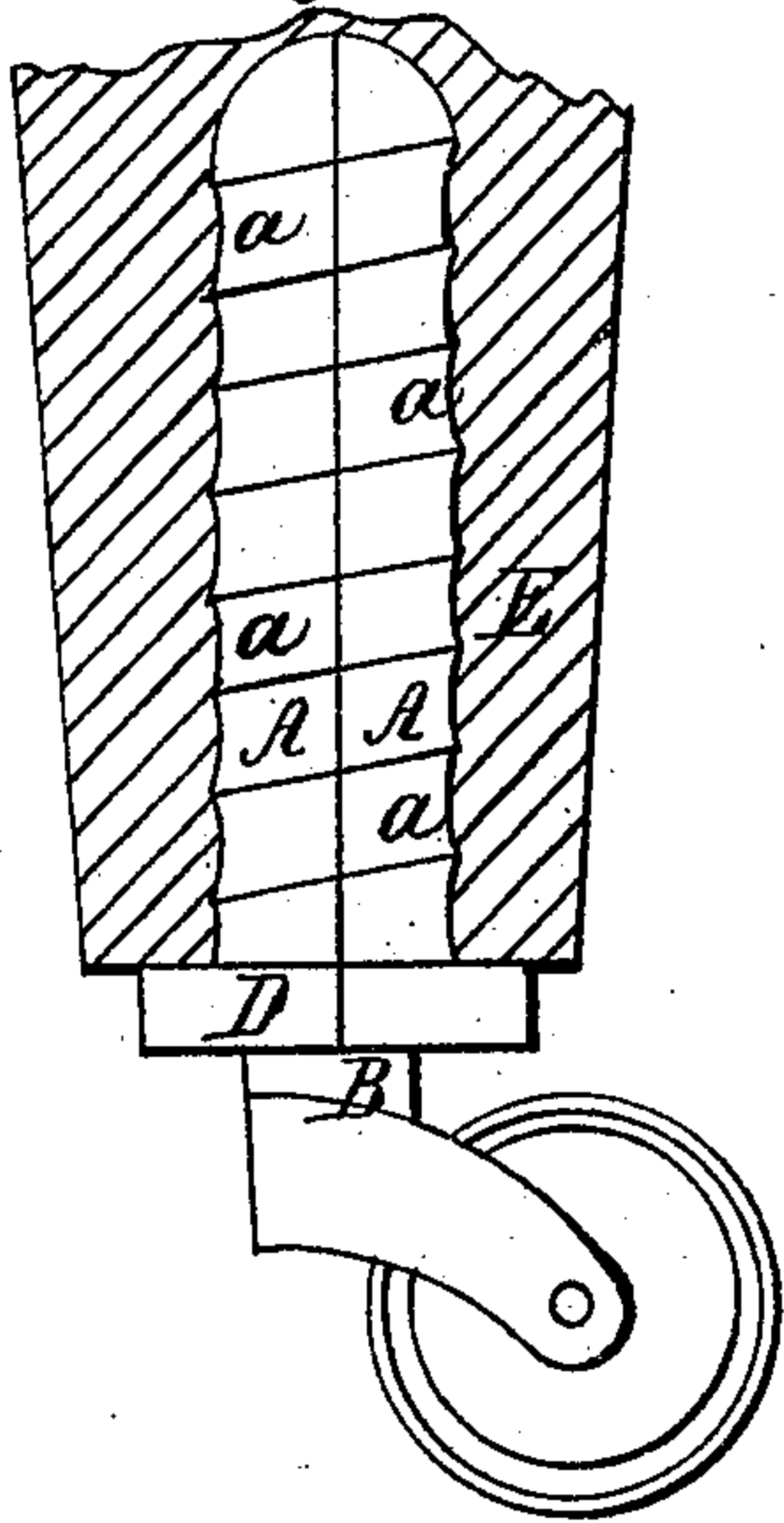


J. Miller,

Caster.

No. 86,997.

Fig. 1



Patented Feb. 16. 1869.

Fig. 2

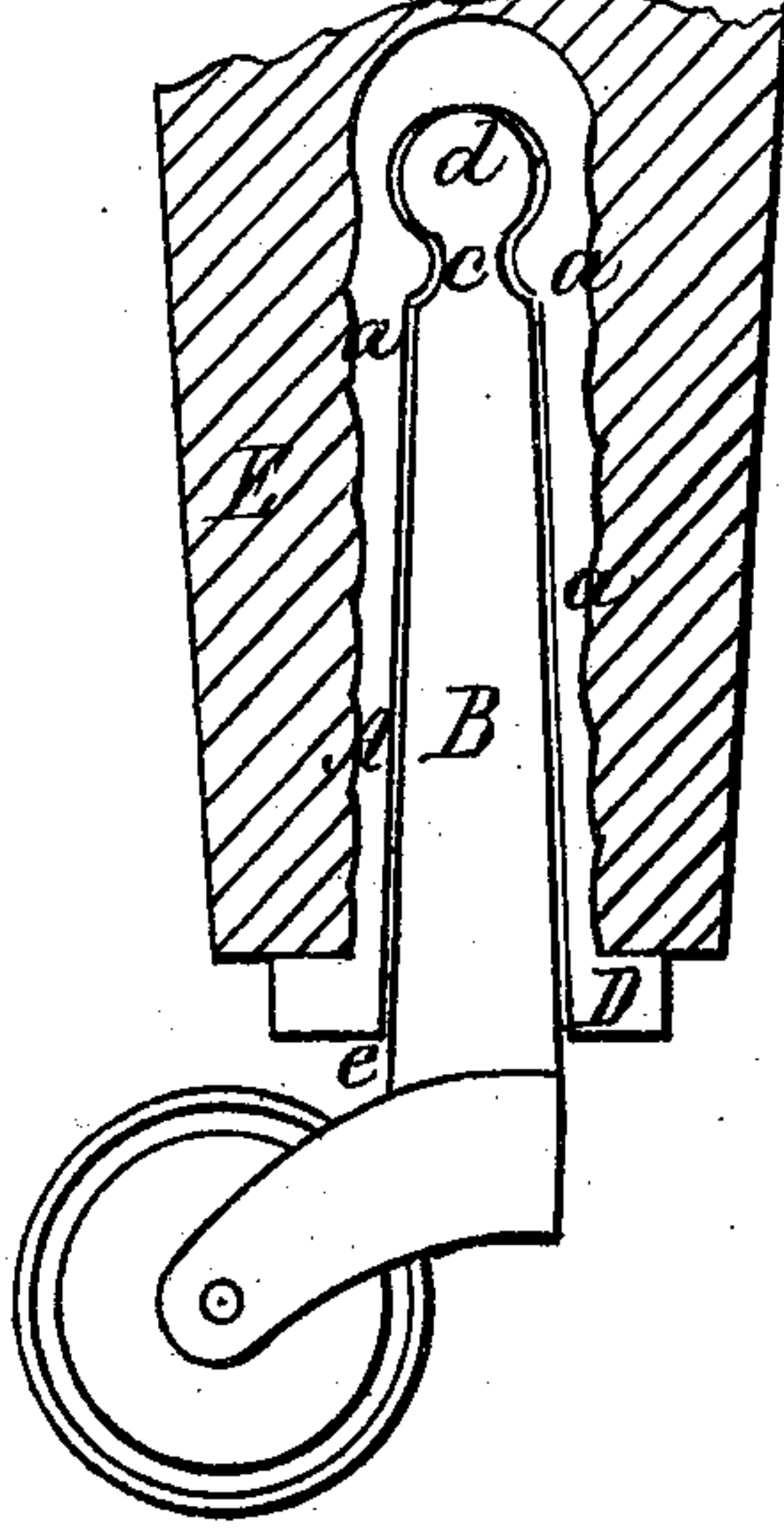


Fig. 3

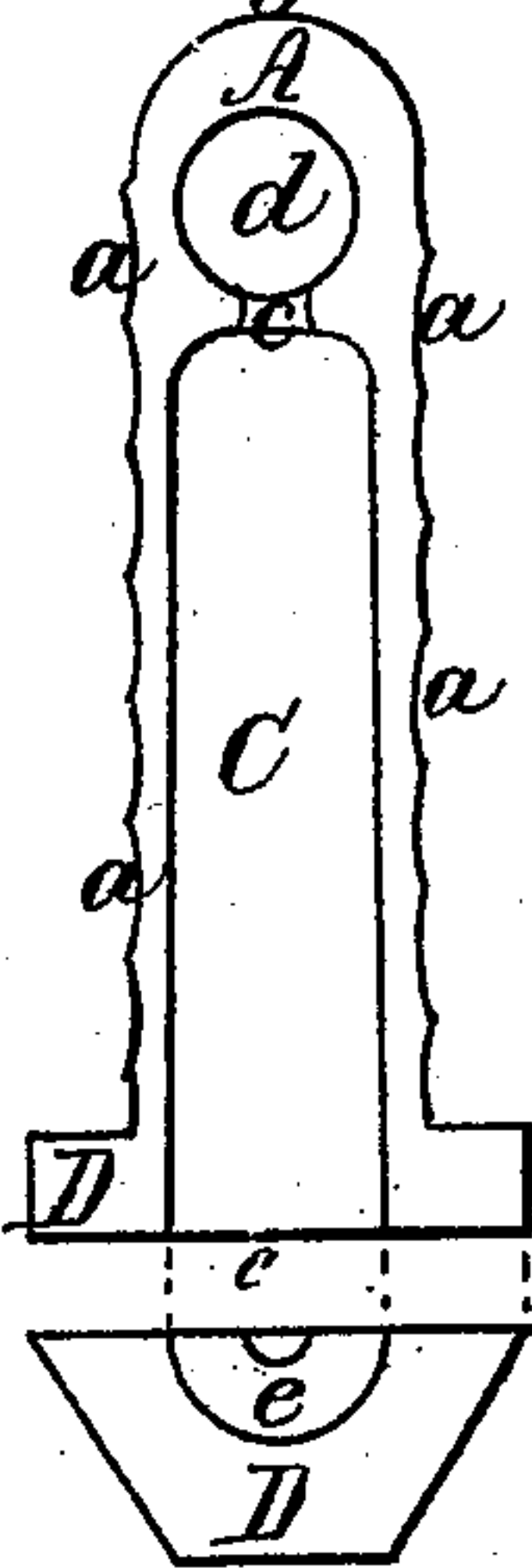


Fig. 5

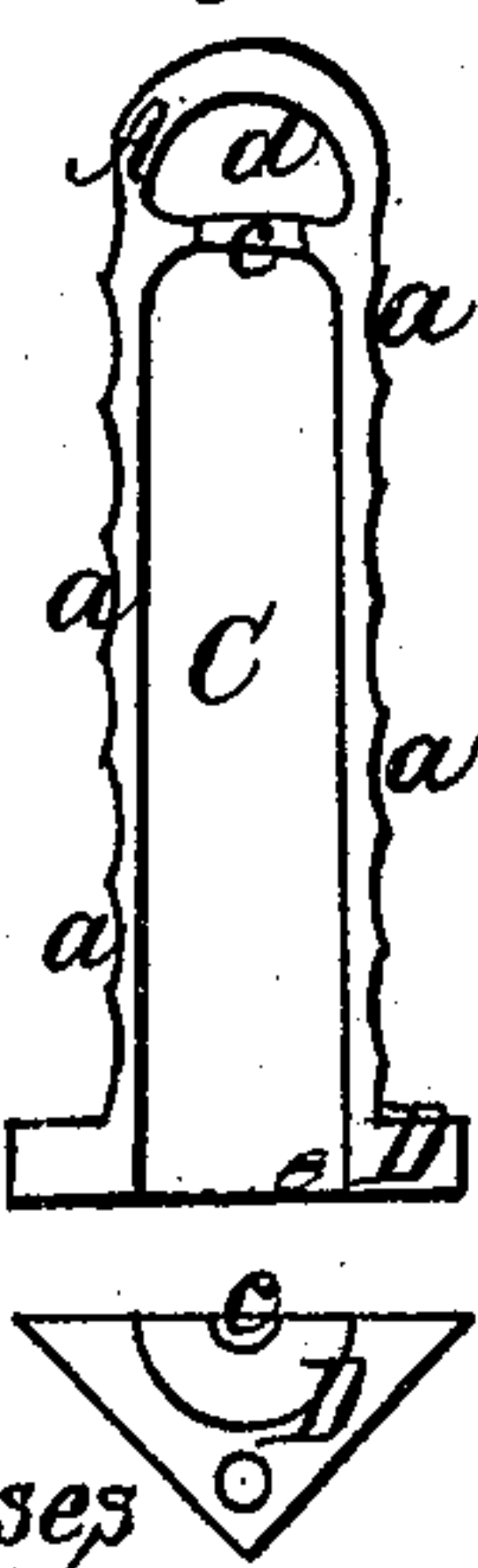
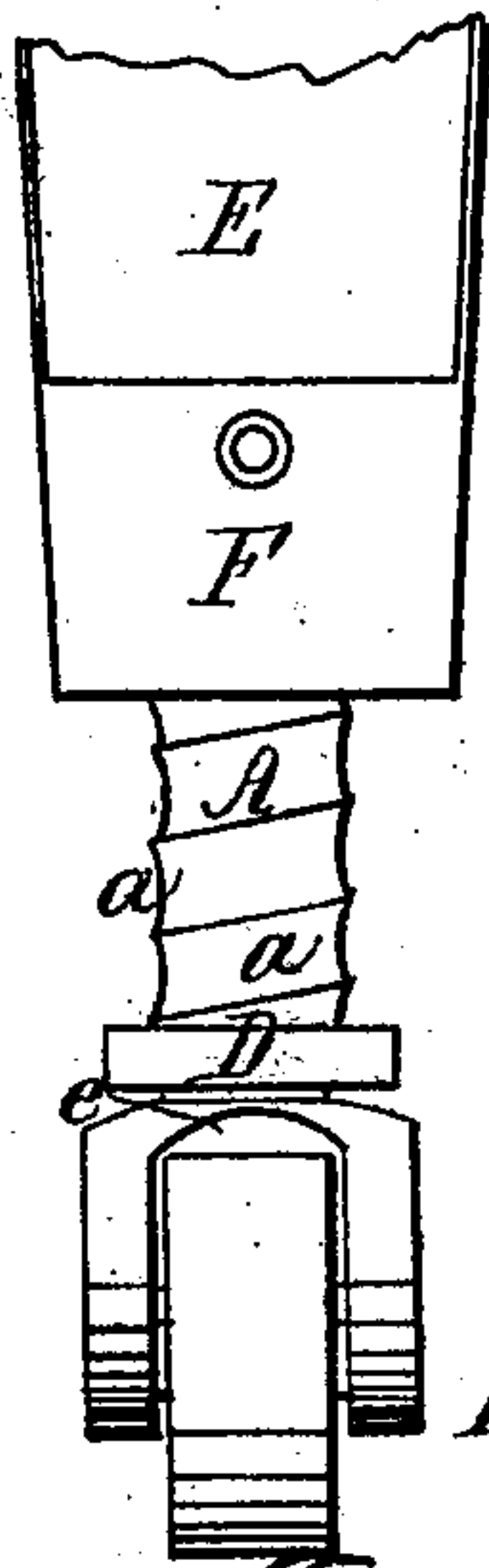


Fig. 4



Witnesses

G. P. Woodruff.
H. R. Emerson.

Inventor

Joseph Miller

United States Patent Office.

JOSEPH MILLER, OF OLEAN, NEW YORK.

Letters Patent No. 86,997, dated February 16, 1869.

IMPROVEMENT IN CASTERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JOSEPH MILLER, of Olean, in the county of Cattaraugus, and State of New York, have invented certain new and useful Improvements in Furniture-Casters and Stem-Sockets, and the mode of securing the same to bedsteads, tables, &c.; and the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 represents a broken-off section or foot of a bed-post, with a stem-caster and the parted spiral cast-metal bush-holder firmly in place.

Figure 2 is a section view through the same, showing one half of the spiral caster-holder, with the neck and ball-head on the stem of the caster.

Figure 3 shows a vertical half section and end view of the cast-metal caster-holder, detached.

Figure 4 represents the bottom of a table-leg with a metal socket, and the caster and spiral holder partly screwed in.

Figure 5 is a sectional view of the stem-holder of the same, with a square end.

The object of my invention is to put in stem-casters to bedsteads, tables, and other articles of furniture, so that they will not drop out when the article is lifted up, and still may be more easily fitted and put in, and also taken out, when required, than any other, and will hold more firmly, and are more permanent and durable than any other mode of fastening.

My invention consists in casting on the outside of the two halves of the bush, which form the socket for stem-casters, a faint hollow spiral, which, when the two halves are put together, makes a fast-running screw-thread, of sufficient capacity to hold the bush very firmly in the hole made in the wood to receive it.

Also, in so forming the upper end of the cavity in the bush, as to fit into a neck near the upper end of the stem, whereby it is prevented from coming out, while it turns freely, and has a substantial bearing on the end of the stem.

To enable others to make and use my improved

stem-casters; and bush, or sockets to hold them in, I will describe them more fully, referring to the several figures in the drawings, and to the letters of reference marked thereon.

The bush, or socket A A, for the stem B of furniture-casters, is cast in two halves, the same as the plain ones in common use.

On the open end, C, I have a flange, D, which may be made with four, six, or eight sides, for the purpose of putting on a wrench to turn them into the wood, E.

On the outside of the long straight portion are cast faint hollows *a a a*, so as to form a spiral screw-thread, coming to an edge sufficiently sharp to indent itself into the wood E as it is turned in.

In the cavity C, of the bush A, is cast the proper form to fit the stem B, which has a neck, *c*, and head, *d*, or ball, so that when the two halves are put together, with the caster-stem in, it cannot come out.

The hole in the wood being the proper size, they are as easily put in as a common wood-screw, and require as great or a greater power to draw them out.

On the small ends of chair or table-legs there may be sockets, F, or ferrules, to prevent them from splitting.

The advantages of my improvements are that they cost no more to make than the ordinary stem-caster, are more easily fitted and put on, and are more secure, permanent, and durable than any other mode of fastening.

Having thus fully described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

A caster, with a spiral bush or socket, cast or made in halves, so as to fit a neck or recess in the stem of spindle or stem-casters, for holding the same in place, in the manner herein shown and described.

JOSEPH MILLER.

Witnesses:

J. B. WOODRUFF,

H. R. DENNISON.