

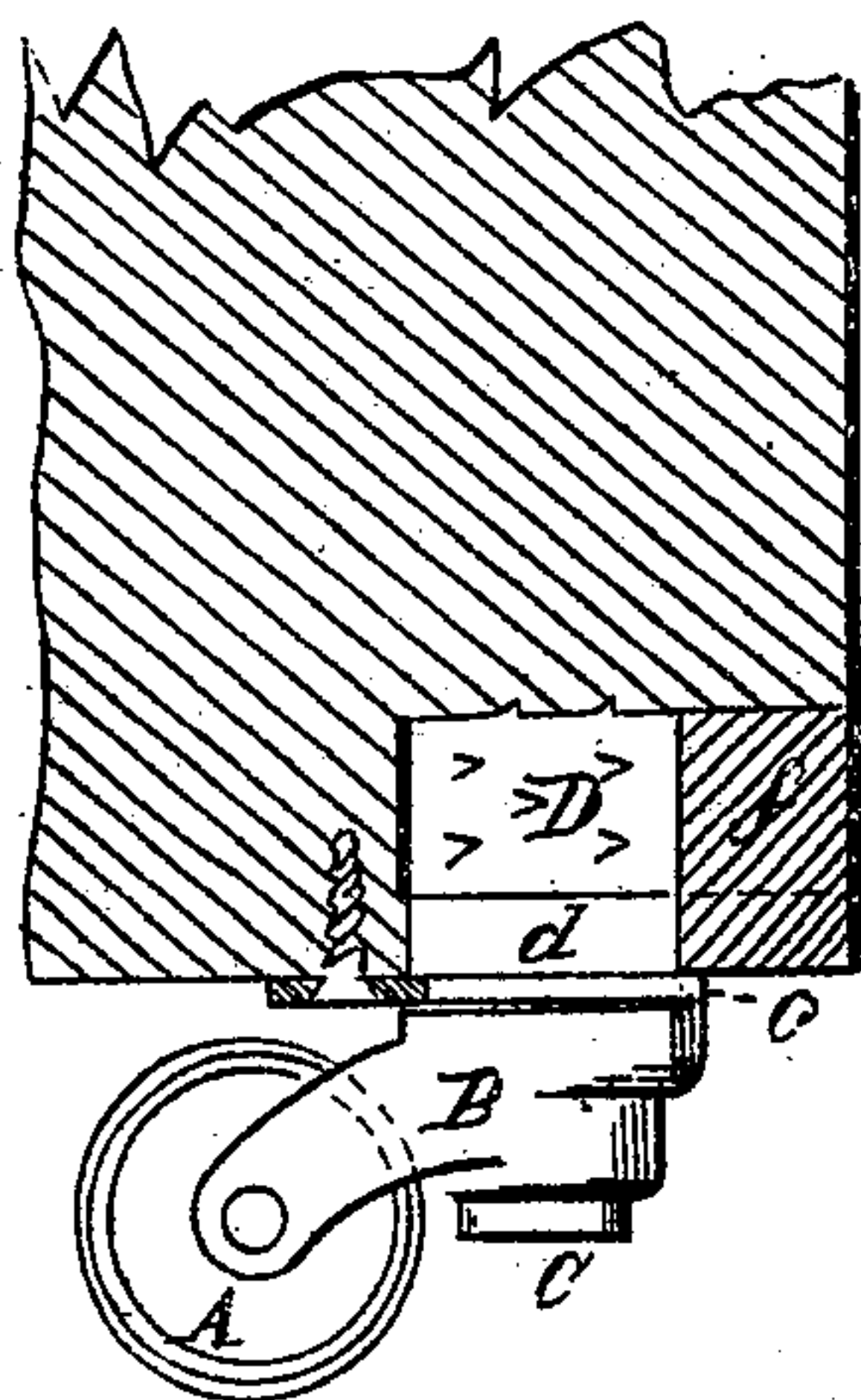
*F. G. Ford,*

*Caster.*

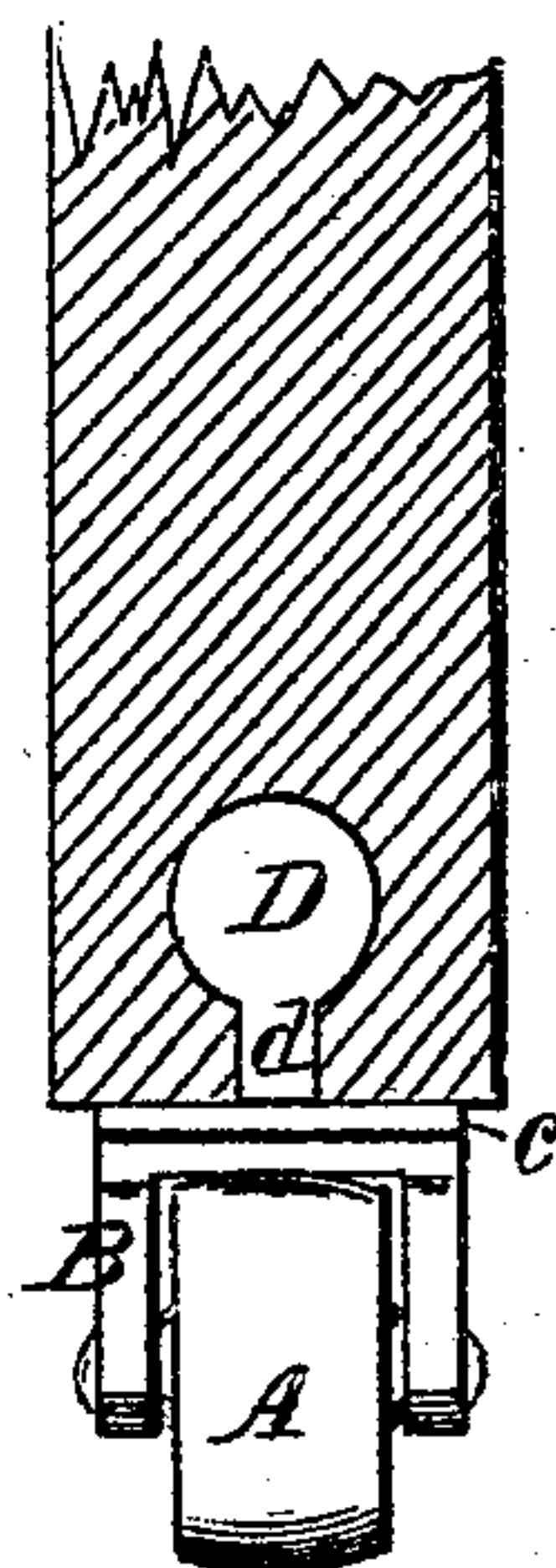
*No. 93,292.*

*Patented Aug. 3, 1869.*

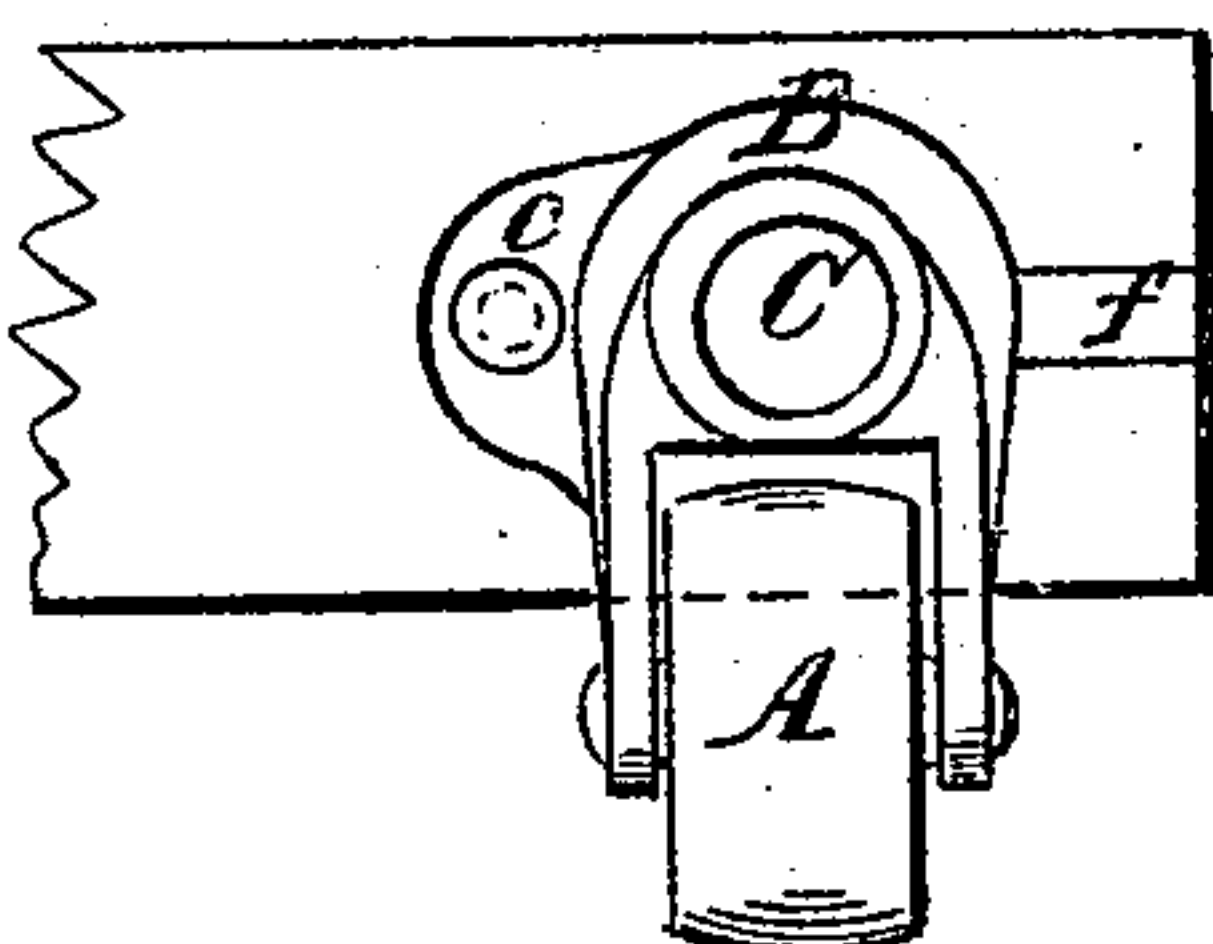
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Witnesses.*

*Fred. Haynes*  
*J. M. Cornaby*

*Fredrick G. Ford*

# United States Patent Office.

FREDERIC G. FORD, OF NEW YORK, N. Y.

Letters Patent No. 93,292, dated August 3, 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, FREDERIC G. FORD, of the city, county, and State of New York, have invented a new and useful Improvement in Roller-Casters; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, which form part of this specification, and in which—

Figures 1 and 2 represent vertical views of a caster constructed according to my invention, and

Figure 3, an inverted plan view of the same.

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

This invention is more especially designed for use on such articles of household-furniture as are constructed of soft wood, but is susceptible of a more extended application.

The invention consists in a novel construction of a caster, whereby the same may be more securely attached, and in less time than by the ordinary construction.

Referring to the accompanying drawings—

A is a roller, carried in a revolving bearing-frame, B, which turns upon a vertically-arranged fixed post or stud C, substantially as in other casters.

D is a transversely-arranged head, formed on or attached to the upper end of the fixed stud C.

Said transverse head D is preferably of cylindrical formation, and has formed upon its under side a reduced portion or neck, *d*.

In attaching this caster to such articles of household-furniture as require casters, instead of boring a vertical hole into the foot, from the bottom thereof, as is

usually the case in attaching the ordinary caster, a horizontal hole is bored in the side thereof, and near the bottom, for reception of the horizontal head D, and a slot is cut through from its lower side, and lengthwise thereof, to the under side or bottom of the foot, for reception of the neck *d*. It is preferred to have the said hole and slot small enough to insure a tight fit when the head D and neck *d* are driven or forced therein.

For preventing the slipping out of the head D when thus adjusted, a loose plate or washer, *e*, may be arranged upon the fixed post C, between the top of the bearing-frame B and the bottom of the neck *d*, so as to fit up against the bottom of the foot, and secured thereto by a screw or screws. Or the head D may be constructed with a jagged peripheral surface, of such nature as to permit the inward sliding of the head, but prevent its backward movement, as represented in fig. 1. Or the entrance of the opening may be plugged up with a plug, *f*, of wood or other material, and glued or otherwise secured therein.

What I claim as my invention, and desire to have secured by Letters Patent, is—

A caster, the top of which is provided with a transverse cylindrical head, D, and a neck, *d*, for fitting in a horizontal hole and slot made in the side of the foot of the article to which it is designed to be attached, substantially as herein described.

FREDERIC G. FORD.

Witnesses:

JOHN D. ROSSET,  
HENRY PALMER.