

F. G. FORD.

Improvement in Furniture-Casters.

No. 132,066.

Patented Oct. 8, 1872.

Fig. 1.

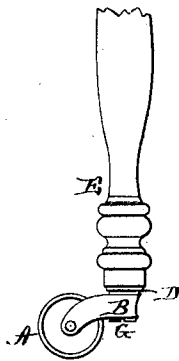


Fig. 2.

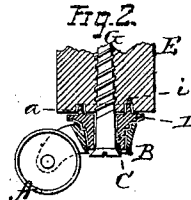


Fig. 3.

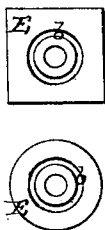
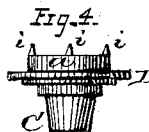


Fig. 4.



Witness:

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UNITED STATES PATENT OFFICE.

FREDERIC G. FORD, OF BRIDGETON, NEW JERSEY.

IMPROVEMENT IN FURNITURE-CASTERS.

Specification forming part of Letters Patent No. 132,066, dated October 8, 1872.

To all whom it may concern:

Be it known that I, FREDERIC G. FORD, of Bridgeton, in the county of Cumberland and in the State of New Jersey, have invented certain new and useful Improvements in Furniture-Casters; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

My invention relates to that class of furniture-casters in which the wheel is attached to a horn surrounding a boss formed on the under side of a plate, and said plate secured by means of a central screw; and the nature of my invention consists in an annular flange or ferrule formed on the upper side of said plate, and fitting in a corresponding groove made in the leg where the caster is applied, said flange or ferrule being on its upper edge provided with pins or teeth to penetrate into the wood, all of which will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a side view of a table-leg with my caster applied; Fig. 2 is vertical section of the caster and lower end of the leg; Fig. 3 is an end view of the leg; and Fig. 4 is an enlarged side view of the boss and plate with the flange or ferrule and pins.

A represents the wheel pivoted between arms extending from a horn, B, which sur-

rounds a boss, C, formed on the under side of a plate, D, and the whole secured to the end of a leg, E, by means of a central screw, G. These parts may all be constructed in any of the known and usual ways for such casters. On the upperside of the plate D, and surrounding the central screw-hole, is formed an upward-projecting annular flange or ferrule, *a*, which fits in a similar groove, *b*, made in the end of the leg E. On the upper edge of the flange or ferrule *a* are formed upward-projecting pins or teeth *i i*, which enter the wood as the screw G is tightened. The flange or ferrule *a*, entering the groove *b* in the leg, prevents the wood from splitting or breaking, and also prevents the caster from slipping out in case the screw should get loose. The pins or teeth *i i* entering the wood prevent the plate D from turning.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The annular flange or ferrule *a*, provided with pins or teeth *i i* on its upper edge, and formed on the upper side of the plate D of the caster herein described, to fit in a corresponding groove, *b*, on the end of the leg, and the pins or teeth to penetrate into the wood, all substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 11th day of September, 1872.

FREDERIC G. FORD.

Witnesses:

J. M. MASON,
EDM. F. BROWN.