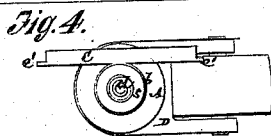
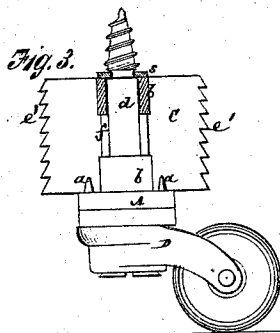
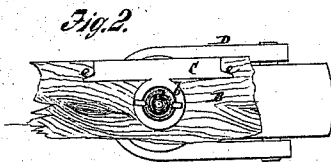
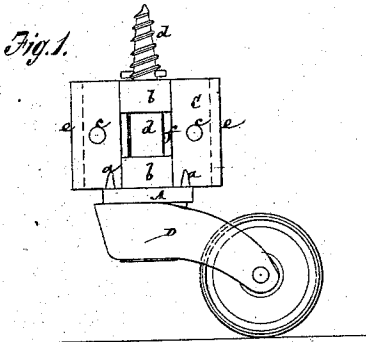


F. G. Ford,

Caster.

No. 103165.

Patented May 17, 1870.



Witnesses.

Fred. Haynes
J. M. Coombs

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United States Patent Office.

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

Letters Patent No. 103,165, dated May 17, 1870.

IMPROVEMENT IN FURNITURE-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 Casters, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing forming part of this specification, and in which—

Figure 1 represents a side view of my improved caster as adapted to "flat work," and

Figure 2, a plan of the same.

Figure 3 is a sectional elevation of a similar style of caster under a modified construction of it, and

Figure 4, a plan thereof.

Similar letters of reference indicate corresponding parts.

My invention consists in certain novelties of construction, which cheapen the production and add to the efficiency of the caster; also facilitate the attachment of the same to furniture or articles of various kinds, substantially as hereinafter described.

Referring, in the first instance, to figs. 1 and 2 of the drawing, which represent a style of caster applicable to flat or straight work, A is the bottom plate, that butts up or bears against the under surface or lower end of the leg or other portion of the piece of furniture, and which may be made to enter the latter by means of teeth or prongs *a a*.

Projecting upward from the plate A is a bearing, *b*, that is received within a recess made in the wood B, which is the body or part that carries the caster.

Fitted to work snugly but freely within and up through the plate A and bearing *b*, is the pivot-pin or screw *d*, on which the wheel-bracket or arm D of the caster swings.

This pivot-pin may either be made with a screw-thread on its upper projecting end, to screw into the wood, or it may be left plain, as desired.

O is a side plate, connected or cast in one piece with the bearing *b* and plate A, and serving to fit on or into the side of the wood, to hold the caster to the latter, and which may be secured by screws passing through holes *c c*.

Said side plate is formed with vertically guiding and holding strips *e*, on the edges of its inner surface, and which may be of a dovetail shape, so that, on fitting the caster to its place by entering the bearing *b* and side plate O up into suitable recess cut in the wood, said edges *e* serve to guide and hold the plate and whole caster more securely to the wood, and whereby fastening screws may, if desired, be dispensed with.

The bearing *b* I prefer to cut away or reduce immediately of its length, as at *c*, which not only economises metal, but enables me to simultaneously work two or opposite drills in boring out or dressing the bearing for reception of the pivot-pin or screw *d*, and, in fitting up a large number of casters, results in an important saving of time.

Figs. 3 and 4 show substantially a similar construction of caster, but here the edges of the side plate O are serrated, as at *e' e'*, which causes said guiding and holding edges to more readily cut their way and pack or lock themselves in the wood against dropping out of the caster.

To hold the several parts of the caster together, and pivot-pin or screw *d* to its place, I form an annular groove in said pin or screw at a suitable distance above its head, which latter establishes the under lock, and spring a strip or plate, *s*, over said pin or screw, into such annular groove that is arranged where the upper lock is required, and which such spring plate serves to establish, by bearing down on or over the plate or frame portion of the caster.

What is here claimed, and desired to be secured by Letters Patent, is—

A furniture caster, constructed with the bearing *b* to the pivot-pin or screw *d*, and the slide plate O, formed with vertical guiding and holding-strips *e* on its edges, whether said socket is inserted in the body of the wood or otherwise, in combination with the wheel and bracket D, substantially as specified.

FREDERIC G. FORD.

Witnesses:

FRED. HAYNES,
R. E. RABEAU.