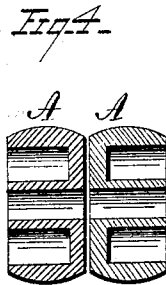
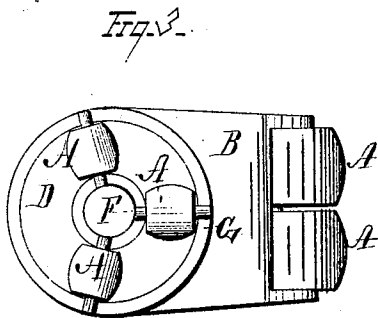
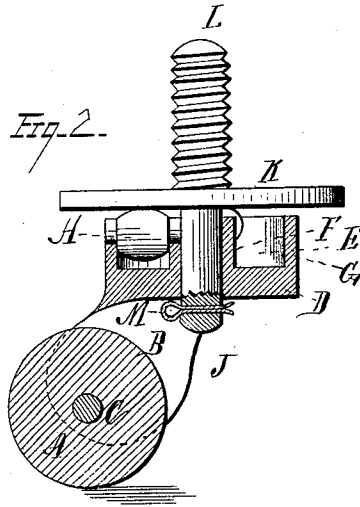
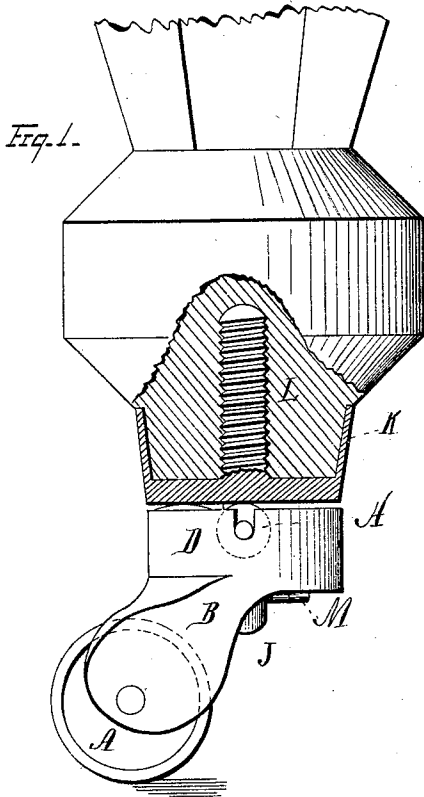


J. E. BUCKINGHAM.
Castors.

No. 150,132.

Patented April 28, 1874.



WITNESSES.

W. D. Newman,

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INVENTOR,

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UNITED STATES PATENT OFFICE.

JOHN E. BUCKINGHAM, OF WASHINGTON, DISTRICT OF COLUMBIA.

IMPROVEMENT IN CASTERS.

Specification forming part of Letters Patent No. **150,132**, dated April 23, 1874; application filed September 20, 1873.

To all whom it may concern:

Be it known that I, JOHN E. BUCKINGHAM, of Washington, in the county of Washington and District of Columbia, have invented certain new and useful Improvements in Casters; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to certain improvements in furniture-casters.

In the drawings, Figure 1 represents a sectional side view of the caster applied to the leg of a piece of furniture; Fig. 2, a vertical transverse section of same, detached; Fig. 3, a plan view; Fig. 4, a transverse section of the ground-rollers.

My invention consists in a peculiarly-recessed shank, with anti-friction rollers inclosed therein, and turning in trunnion-seats made in its interior and exterior walls, the rollers situated upon that side of the recess that is adjacent to the caster-roller, in combination with other parts.

A represents the ground-roller, secured in the usual manner in a projecting shank, B, by an axle, C. In the cylindrical top D of the shank B is a recess, E, cored out between an interior rim, F, and an exterior rim, G. These rims form the bearings or trunnion-seats for the rollers H, of which there are three—one situated above the roller or rollers A, and one situated on each side of the shank B; and it will be observed that they are all upon that side of the annular recess that is adjacent to

the projecting foot B or roller A. Through the center of the cylindrical top D is a cylindrical hole, through which passes the stem J of the leg attachment K. This leg attachment may either be a plate, Fig. 2, or a ferrule, Fig. 1. Extending above the cylindrical stem J is a screw, L, which screws up into the end of the furniture-leg. Through the plate and ferrule are screw-holes, as additional means for securing the same to the legs. For the purpose of holding the shank B to the stem J, I propose to employ a spring-pin, M.

By the above-described arrangement, a cheap, simple, and effective caster is obtained; the bearing-rollers, being inclosed in a recess and covered, are protected from any accumulation of dust in sweeping.

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

The furniture-caster composed of the foot B, provided in its upper end with the annular recess E, the said recess provided on that side adjacent to the caster roller or rollers A with the bearing-rollers H H H, suspended in trunnion-seats formed in the exterior and interior walls F G of the recess E, the whole combined with the fastenings J K L, all constructed, arranged, and operating substantially as and for the purposes described.

In testimony that I claim the foregoing I have hereunto set my hand this 18th day of September, 1873.

JOHN E. BUCKINGHAM.

Witnesses:

GEORGE W. SHEFFIELD,
WM. C. NOLEN.