

S. Chandler,

Caster.

No. 96393.

Patented Nov. 2. 1869.

Fig: 1.

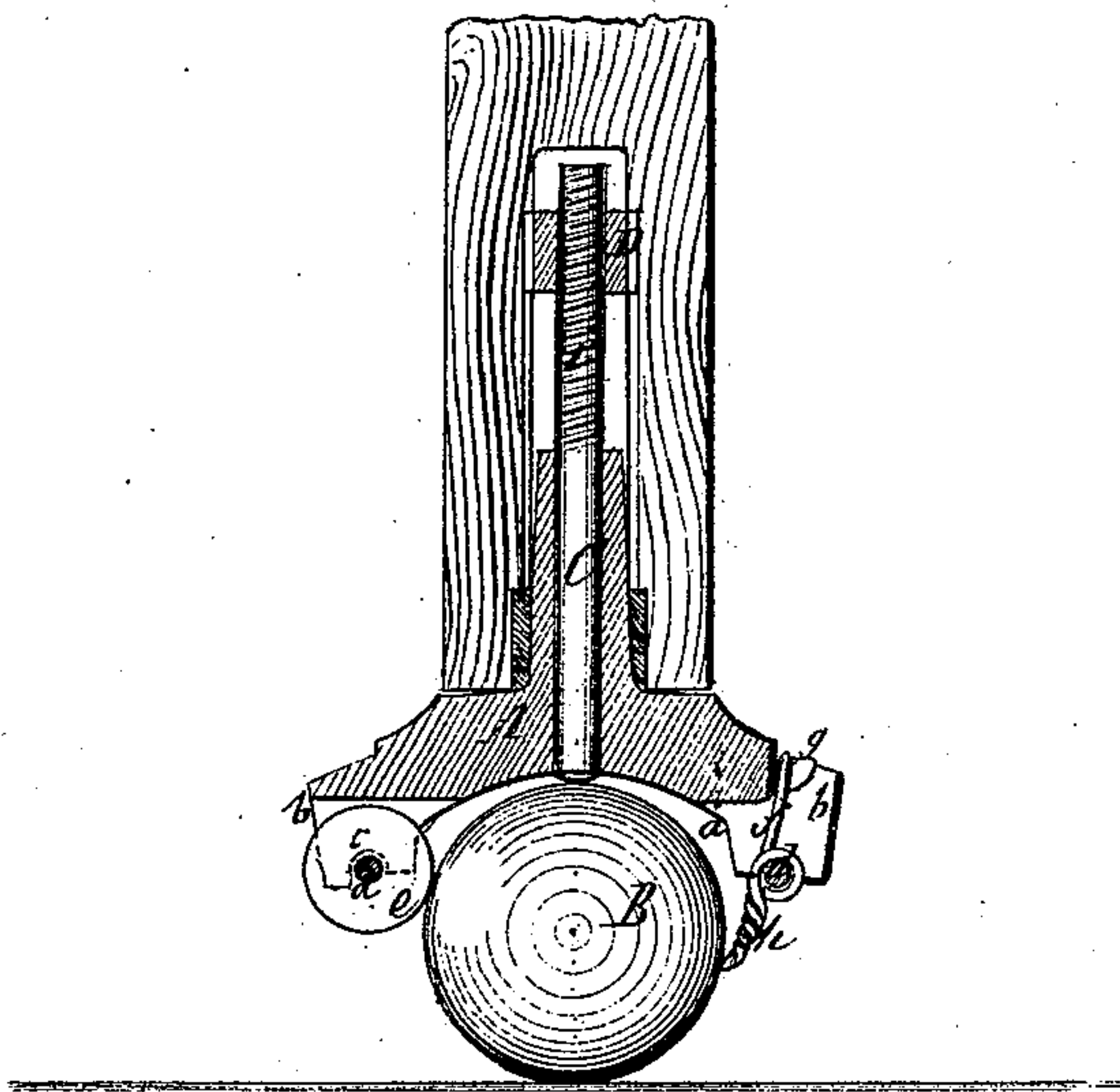
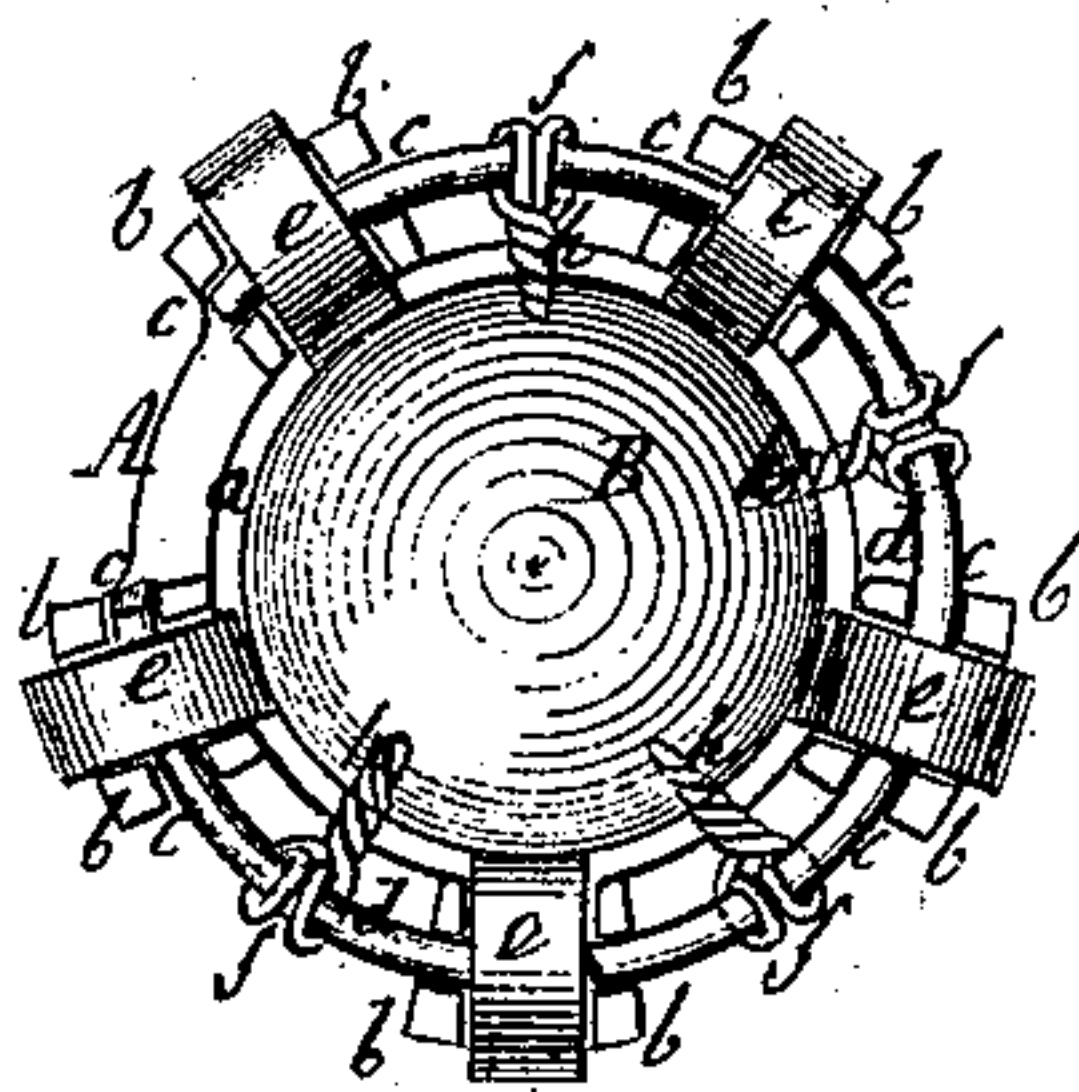


Fig: 2.



Witnesses.

E. F. Kastenhuber

Reaumeister

Inventor.

Stephen Chandler

Van Sautvoord & Knapp
Attys.

United States Patent Office.

STEPHEN CHANDLER, OF NEW YORK, N. Y.

Letters Patent No. 96,393, dated November 2, 1869; antedated September 21, 1869.

IMPROVED FURNITURE-CASTER.

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, STEPHEN CHANDLER, of the city, county, and State of New York, have invented a new and useful Improvement in Furniture-Casters; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification, in which drawing—

Figure 1 represents a vertical central section of this invention.

Figure 2 is an inverted plan of the same.

Similar letters indicate corresponding parts.

This invention consists in an improvement in casters, in which the friction-balls are mounted on a rod, which is supported by wires hung on hooks projecting from the stock or body of the caster, and continued into fingers which prevent the ball from falling from the socket, as will be hereinafter more fully described.

In the drawing, the letter A designates the body or stock of my caster, which is cast of iron or brass, or made of any other suitable material, and which forms a hemispherical socket, *a*, to receive the ball or sphere B, which is made of hard wood or any other suitable material.

From the edge of the socket *a* rises a series of lugs, *b*, which is provided with semi-cylindrical cavities, *c*, to form the bearings for the circular rod *d*, on which is mounted a series of anti-friction rollers, *e*. These rollers are set each between two of the lugs *b*, and they bear against the periphery of the ball B, so as to prevent the same from rubbing against the edge of the socket *a*.

The rod *d* is retained in its semi-cylindrical bearings by means of wires, *f*, which are hitched on to hooks

g, projecting from the stock of the caster, and the ends of which, after having been turned round the circular rod, are twisted together so as to form elastic fingers, *h*, which prevent the ball from dropping out of its socket when the caster is raised from the floor.

By this arrangement, the construction of the caster is materially simplified, and all the parts are so arranged that no extra labor is required in putting them together.

The stock A is bored out in a longitudinal direction, to receive a rod, C, the lower end of which is rounded off to form a bearing-point for the ball B, and to prevent said ball from coming in contact with the inner surface of the socket, as shown in fig. 1.

Said rod extends beyond the stock, and its upper end is provided with a screw-thread, *i*, which screws into a nut, D, let into the leg or other part of a piece of furniture to which the caster is to be attached. By these means, a firm hold is provided for the caster, and my caster can be readily applied to furniture of any description.

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

The suspended wires *f*, carrying the rod on which the friction-rollers are mounted, and continued into fingers *h*, in combination with lugs *b*, having open cavities to receive said rod, when the parts are constructed and operate together as described.

This specification signed by me, this 21st day of August, 1869.

STEPHEN CHANDLER

Witnesses:

E. F. KASTENHUBER,
CHAS. WAHLERS.