

No. 750,984.

PATENTED FEB. 2, 1904.

J. W. KENNEDY.
FURNITURE CASTER.

APPLICATION FILED MAY 4, 1903.

NO MODEL.

Fig. 1.

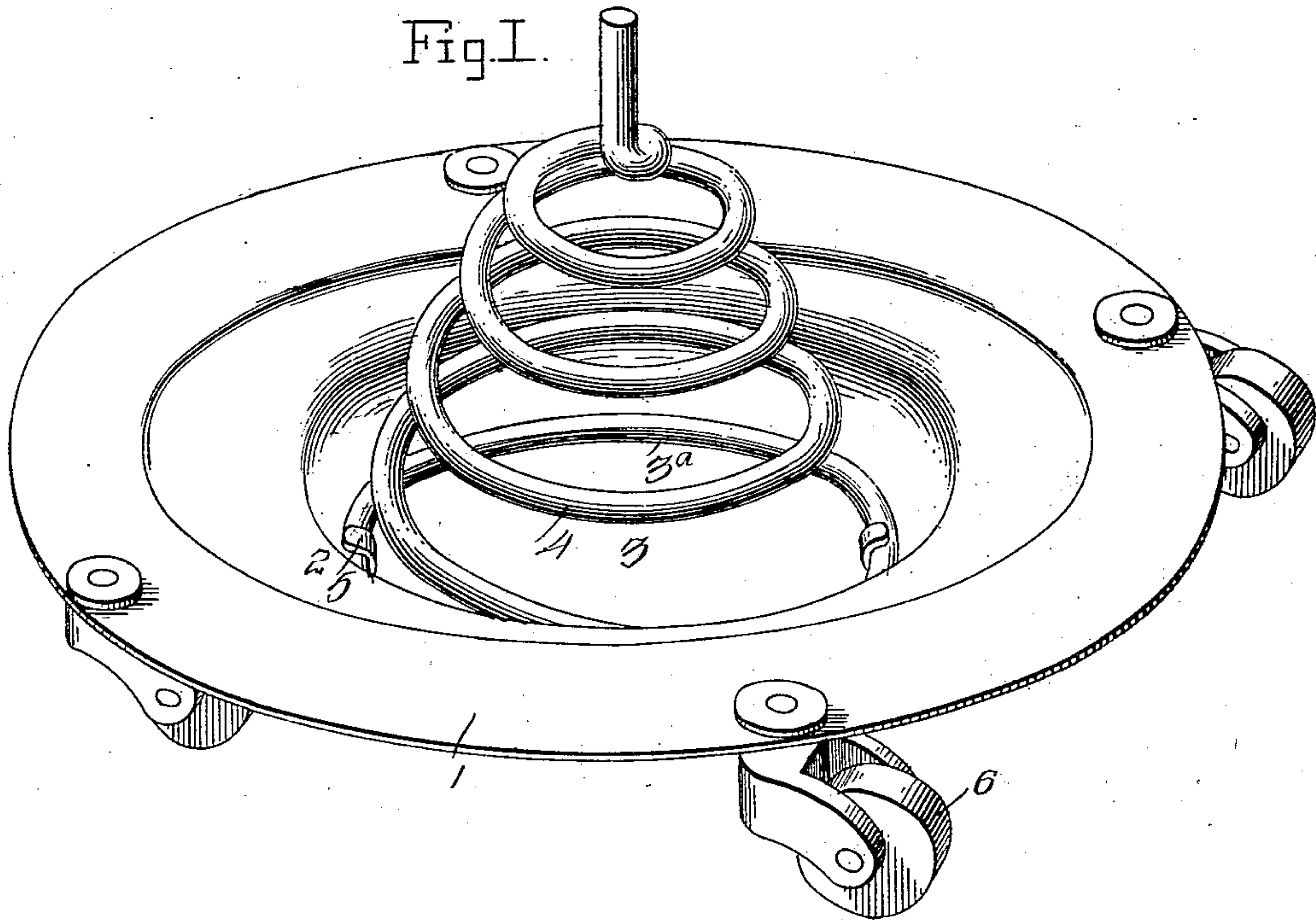
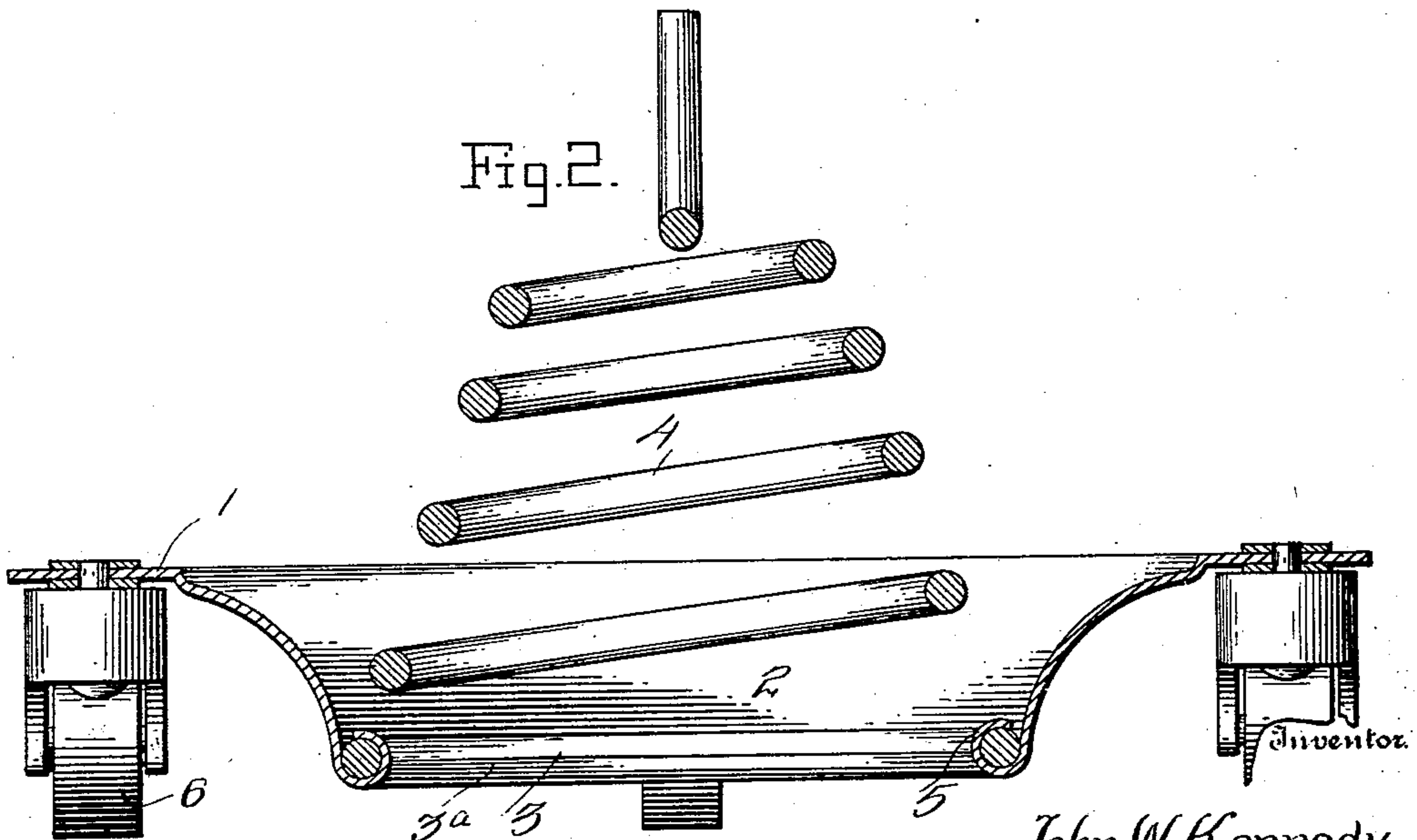


Fig. 2.



Witnesses
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JOHN W. KENNEDY, OF CECIL, GEORGIA.

FURNITURE-CASTER.

SPECIFICATION forming part of Letters Patent No. 750,984, dated February 2, 1904.

Application filed May 4, 1903. Serial No. 155,615. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. KENNEDY, a citizen of the United States, residing at Cecil, in the county of Berrien and State of Georgia, have invented certain new and useful Improvements in Furniture-Casters; and I do 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 appertains to make and use the same.

My invention relates to improvements in furniture-casters adapted for use in connection with beds and other articles of furniture; and it consists in the construction and combination of devices substantially as hereinafter described and claimed.

The object of my invention is to provide a cheap, simple, and effective caster having a plurality of caster-wheels and adapted to be used in connection with a spring for supporting an article of furniture, one object of my invention being to effect improvements in the construction of the plate whereby the same is formed with a depressed socket for the base of the spring, which socket permits the supporting-spring to extend below the plate, whereby a spring of maximum length may be employed and the article of furniture is permitted to come close down to the floor, and a further object of my invention being to effect improvements in the construction of the plate whereby the same is strengthened.

In the accompanying drawings, Figure 1 is a perspective view of a furniture-caster embodying my invention. Fig. 2 is a sectional view of the same.

In the embodiment of my invention I provide a circular plate 1, which is formed with a central annular depressed portion 2, the side walls of which are of concavo-convex form, with the concaved sides outermost. There is a central opening 3 in the depressed portion of the plate, and around the said opening and formed integral with the plate and the depressed portion thereof is an annular base-flange 3^a of concavo-convex form cross-sectionally the concaved side being uppermost and forming a socket to fit and receive the base of a conical coiled spring 4, which is em-

ployed in connection with the caster. Also formed integral with the plate 1 and at the inner edge of the base-flange 3^a of the central depression thereof are one or more lugs 5. The same are upturned to engage the inner side of the base of the spring and secure the latter in the socket.

It will be understood from the foregoing that by forming the depression in the central portion of the plate with concavo-convex walls the said depression forms a reinforce, which very materially strengthens the plate and prevents the same from getting out of shape when in use. It will be further understood that the base-flange at the lower side of the depression also adds materially to the strength of the plate, while forming a socket which is perfectly adapted to fit and receive the base of the spring. Within the scope of my invention the plate 1 may be provided with a plurality of supporting elements of any suitable form. Those here shown are caster-wheels 6. It will be observed by reference to Fig. 2 of the drawings that the depressed portion of the plate is of such depth that the base-flange thereof, which forms the support for the spring, is below the axles of the supporting caster-wheels. By this means the stress is applied to the plate at so low a point as to greatly improve the operation of the caster and increase its efficiency and obviate all tendency of the caster to rock or tilt under the stress to which it is subjected when the furniture is moved from place to place. The operating end of the spring is here shown as formed with a vertical extension adapted to enter the socket in the lower end of a bedstead-post or other article of furniture. Another advantage from the formation of the socket is that it permits of the use of a spring of some length, allowing the article of furniture to come down in close proximity to the floor.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be

resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

1. A caster comprising a plate formed with a depression extending below the plane of the plate and forming a socket, supporting-rollers
10 under the outer portion of the plate, a coiled spring having its lower coil in said socket and means for securing the lower coil to the socket.

2. A caster comprising a plate formed with
15 a depression extending below the plane of the plate and forming a socket, the walls of said depression being concavo-convex in form, cross-sectionally, with the concave side outermost, the said plate being further formed with
20 an inwardly-extending supporting-flange at

the lower side of the said depression, supporting-rollers for the plate, a coiled spring having its lower coil in said socket and means for securing the lower coil to the socket, on said supporting-flange.

3. A caster comprising a plate formed with a depression extending below the plane of the plate and forming a socket, having an inwardly - extending supporting - flange at its lower side, provided with lugs 5, supporting-rollers for the plate, and a coiled spring having its lower coil in said socket, on said flange and engaged by said lugs, substantially as described.

In testimony whereof I have hereunto set my
hand in presence of two subscribing witnesses.

JOHN W. KENNEDY.

Witnesses:

J. B. MEREDETH,
B. F. CHAMBERS.