(No Model.)

J. W. SPURLOCK.

SPRING CASTER.

No. 586,460. Patented July 13, 1897.

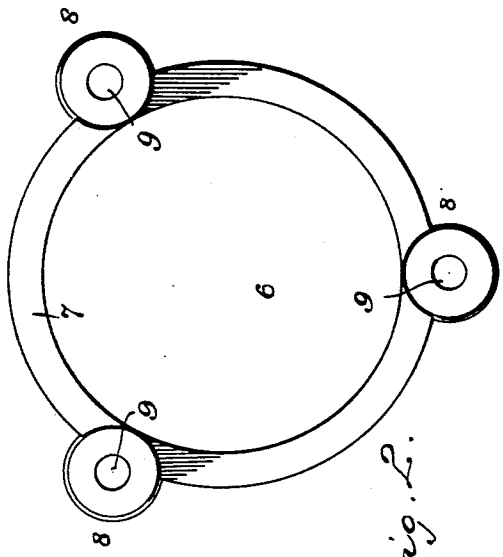

Fig. 2.

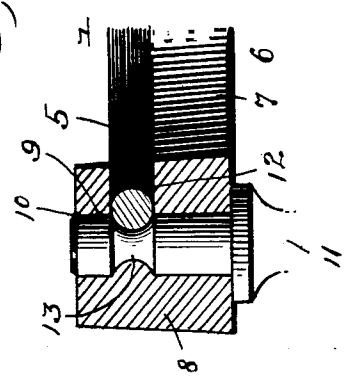

Fig. 3.

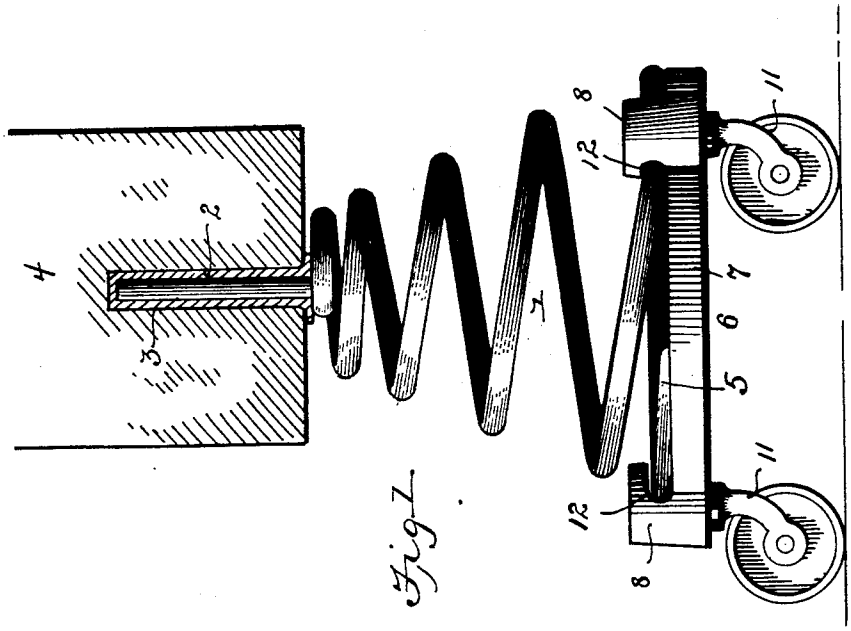

Fig. 1.

Witnesses
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UNITED STATES PATENT OFFICE.

JOHN W. SPURLOCK, OF TY TY, GEORGIA.

SPRING-CASTER.

SPECIFICATION forming part of Letters Patent No. 586,460, dated July 13, 1897.

Application filed November 10, 1896. Serial No. 611,671. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. SPURLOCK, a citizen of the United States, residing at Ty Ty, in the county of Worth and State of Georgia, have invented certain new and useful Improvements in Spring-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 has relation to spring-casters for the legs or posts of bedsteads, and the object is to provide an economical and durable spring-caster of this class; and to this end the novelty consists in the construction, combination, and arrangement of the same, as will be hereinafter more fully described, and particularly pointed out in the claims.

In the accompanying drawings the same figures of reference indicate the same parts of the invention.

Figure 1 is a side elevation of my improved spring-caster. Fig. 2 is a plan view of the caster-bracket, and Fig. 3 is a vertical section through one of the bracket-sockets.

1 represents a conical coiled spring, the upper end of which terminates in a vertical pin 2, which is seated in the vertical orifice 3 in the bottom of the bed-post 4, and the lower coil 5 is finished to form an approximately horizontal plane.

6 represents a bracket comprising an annular plane flange 7, provided on its outer edge with three equidistant integral sockets 8 8 8, and these sockets are each formed with a central circular vertical orifice 9, which receives the cylindrical shank 10 of the caster-roller 11.

12 represents a horizontal recess on the inner side of the sockets, and said recess communicates with the vertical orifice in the sockets.

13 represents a semicircular circumferential groove in the shank 10 in the same plane with the recess 12 in the sockets.

In assembling the parts the shank of the caster is first inserted in the socket and the free end of the lower coil 5 of the spring is inserted in the recess 12 of the socket. The spring is then turned to the left, which simultaneously locks the spring and the shank of the caster in the socket, while at the same time the shank of the caster is permitted to freely revolve in said socket.

These spring-casters may be used with or without the ordinary bed-springs, and although I have specifically described the construction and relative arrangement of the several elements of my invention I do not desire to be confined to the same, as such changes or modifications may be made as clearly fall within the scope of my invention without departing from the spirit thereof.

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

1. A spring-caster of the class described, comprising the bracket 6 provided with integral sockets 8, having vertical orifices 9, the caster-rollers 11, having cylindrical shanks 10, and the conical coiled spring 1 formed with a horizontal coil 5 and a vertical integral pin 2, substantially as and for the purpose set forth.

2. The bracket 6 provided with integral sockets 8, having horizontal recess 12 and vertical orifice 9, in combination with the caster-roller 11, the cylindrical shank 10 of which is formed with a semicircular circumferential groove 13, and the spiral spring 1, the lower coil 5 of which is formed in a horizontal plane, substantially as shown and described.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

JOHN W. SPURLOCK.

Witnesses:

P. S. B. FORD,

R. G. TISON.