(No Model.)

G. GOEWEY.

SPRING.

No. 359,070. Patented Mar. 8, 1887.

FIG. 1

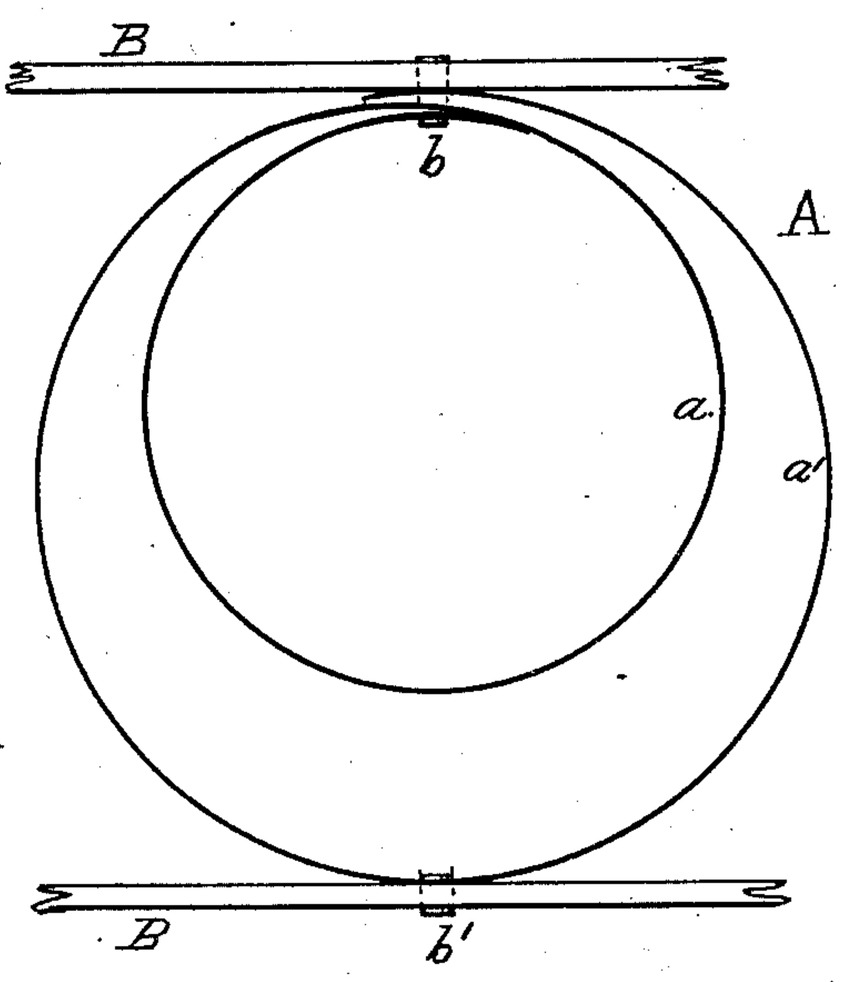


FIG. 2

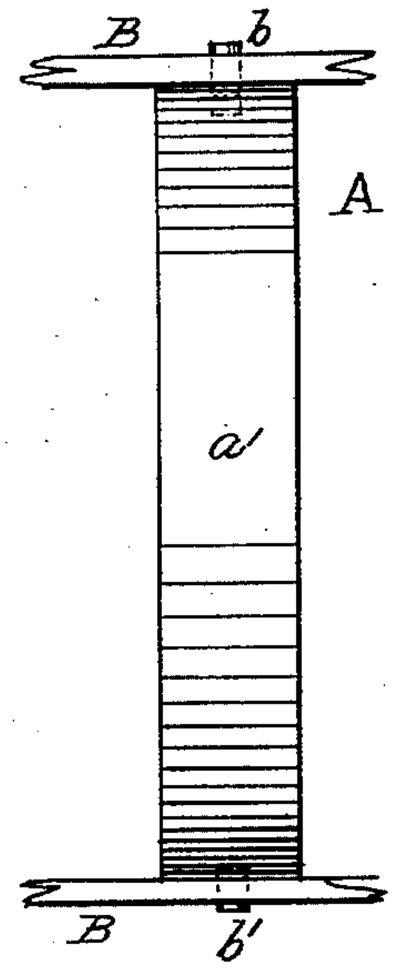
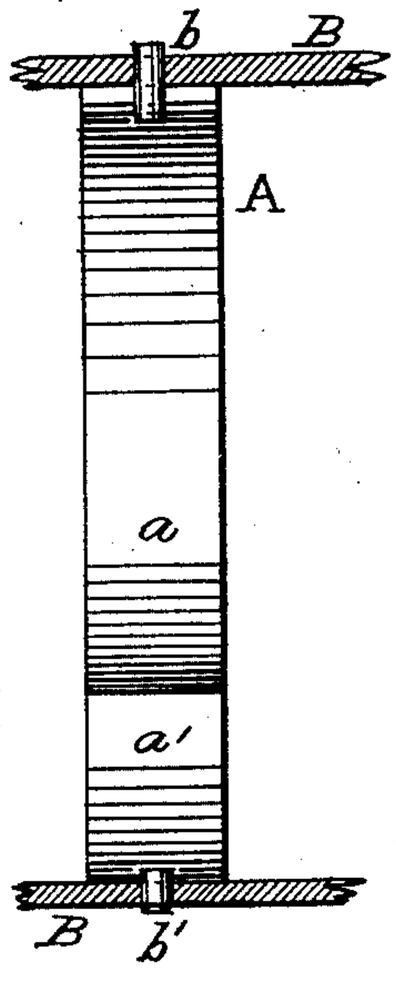


FIG. 3



Witnesses.
A. M. Pierce,
C. M. Hoover.

Inventor
George Goewey.
per Thomas J. Bewley. atty

UNITED STATES PATENT OFFICE.

GEORGE GOEWEY, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO CHARLES B. DUNGAN, OF CAPE MAY, NEW JERSEY.

SPRING.

SPECIFICATION forming part of Letters Patent No. 359,070, dated March 8, 1887.

Application filed January 25, 1887. Serial No. 225,490. (No model.)

To all whom it may concern:

Be it known that I, GEORGE GOEWEY, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Springs, of which the following is a specification.

My invention has for its object the construction of a coiled spring in two eccentric coils formed of a strip of sheet metal that shall have an equal resiliency to two springs under pressure exerted thereon from the circumference; and it consists of a strip of sheet metal so curved throughout its length as to form two eccentric coils within its circumference, the ends of the strip being united together through the outer coil by means of a rivet or its equivalent in such a manner that the inner coil is of smaller diameter than the outer, leaving an eccentric space between, except at the point of unity of ends, as will be more fully understood from the following description.

In the accompanying drawings, which make a part of this specification, Figure 1 is an edge elevation of the spring. Fig. 2 is a face view. Fig. 3 is a vertical sectional view.

Like letters of reference in all the figures indicate the same parts.

A is a strip of sheet metal, preferably steel, so curved throughout its length as to form the two eccentric connected coils *a a'*, and united together upon its ends by the rivet or bolt *b*.

In the drawings, the spring is placed between the bolsters B, the bolts *b b'* preventing any shifting movement. As pressure is exerted upon the circumference of the outer coil, the eccentric circles are brought together, assuming the form of an ellipsis, and by the combined strength of the coils give great resiliency, although one, yet acting as a pair in their capacity for resistance.

A series of these springs are particularly adapted for use in a bedstead where it is designed to effect equalization under vertical pressure as there is uniformity of action through them in accommodation to the load upon the bolster, yet they may be used for a variety of purposes where either vertical or lateral pressure is desired.

I claim as my invention and desire to secure by Letters Patent—

A coiled spring constructed of a single strip of metal forming two eccentric coils and united by a rivet passing through the end of the strip and the outer coil, substantially in the manner herein shown and described.

GEORGE GOEWEY.

Witnesses:
THOMAS J. BEWLEY,
S. H. JONES.