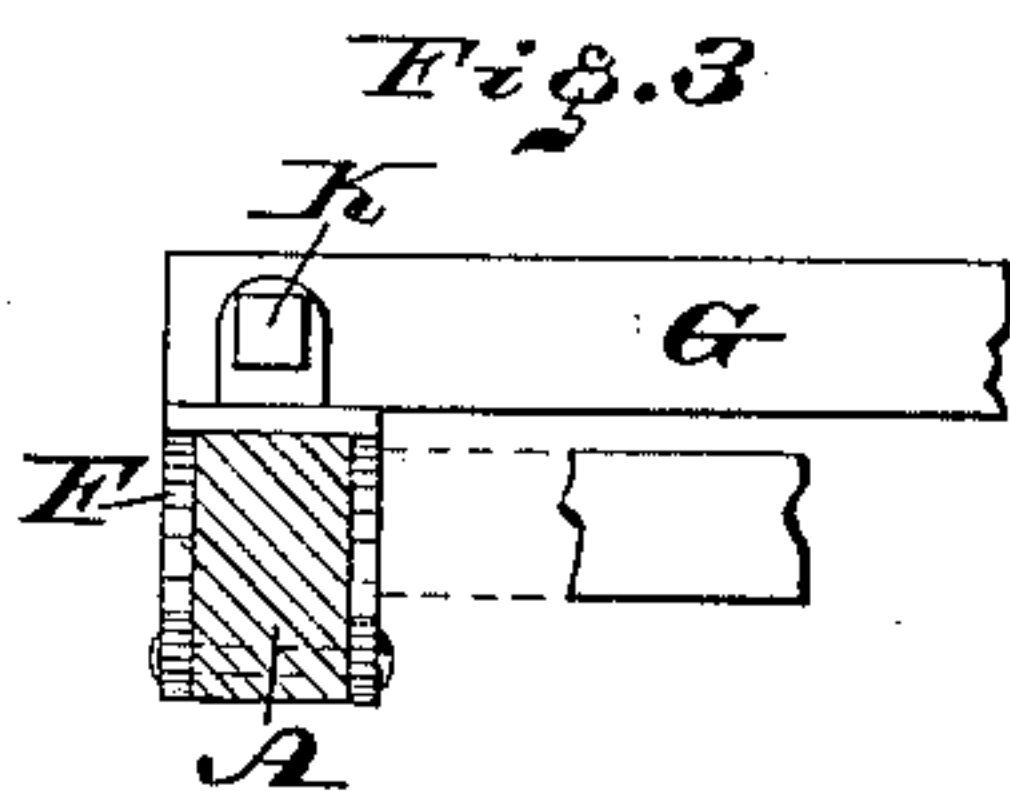
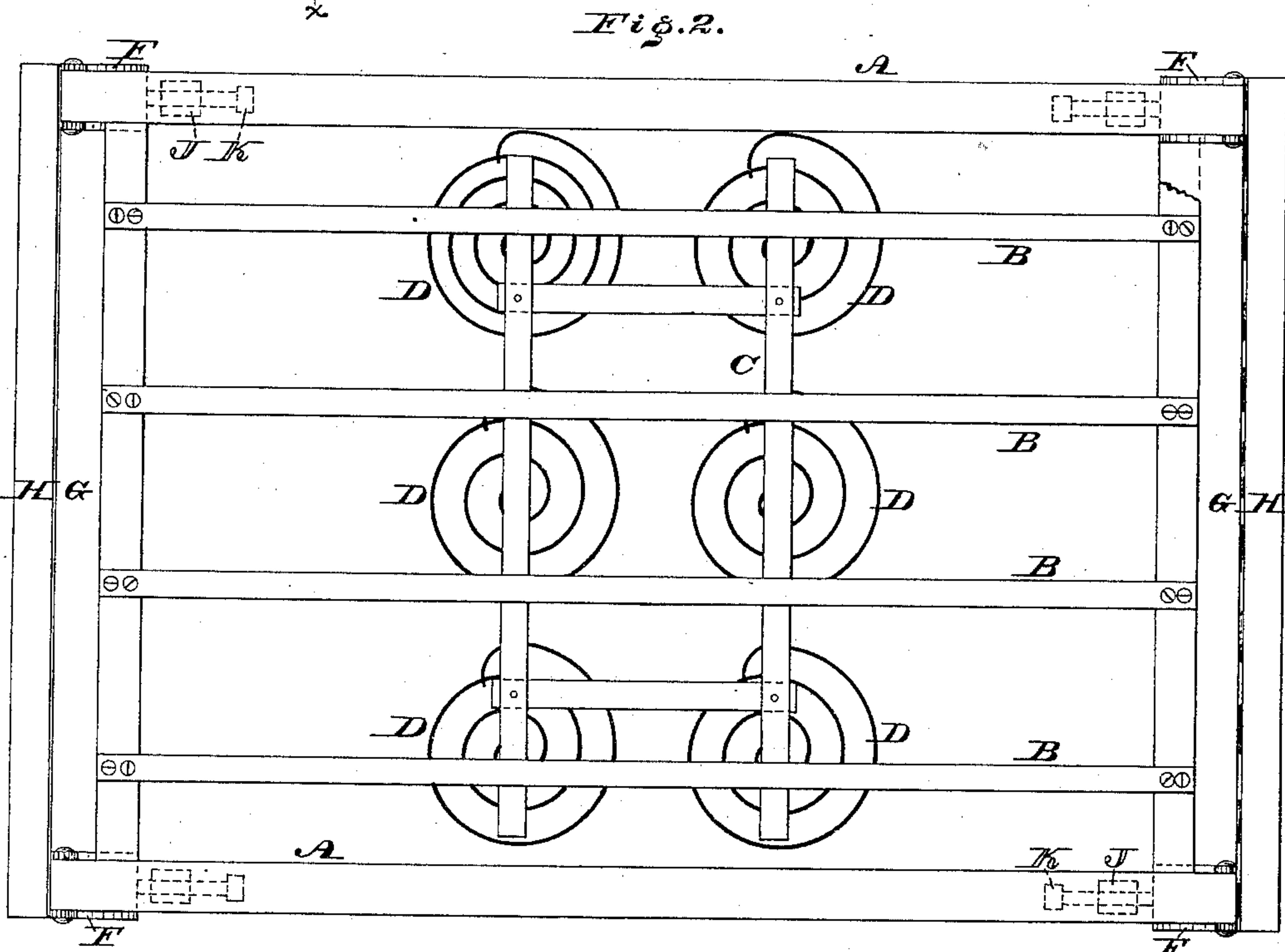
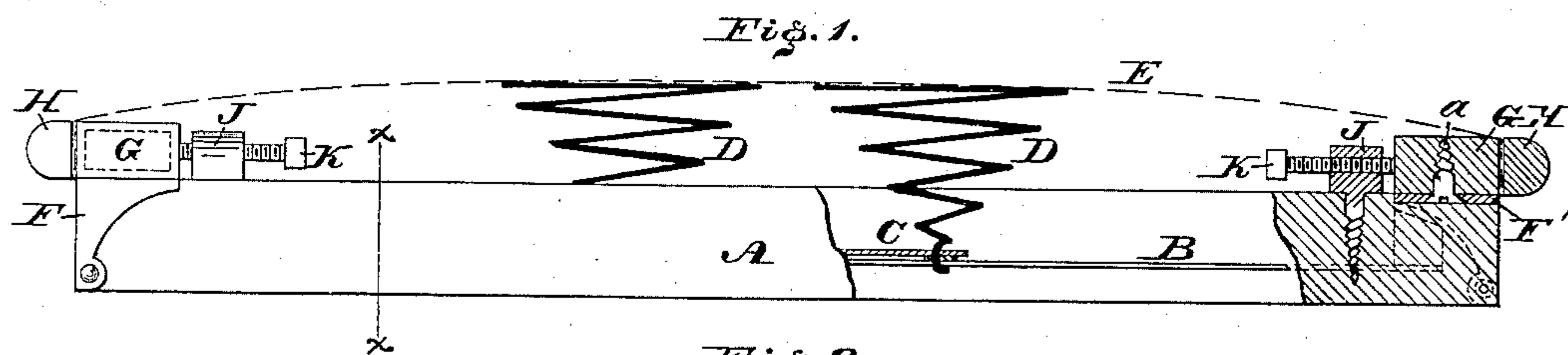


(No Model.)

A. F. MILLER.  
SPRING BED BOTTOM.

No. 341,494.

Patented May 11, 1886.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

ALBERT F. MILLER, OF CAMDEN, NEW JERSEY.

## SPRING BED-BOTTOM.

SPECIFICATION forming part of Letters Patent No. 341,494, dated May 11, 1886.

Application filed September 25, 1884. Serial No. 143,909. (No model.)

*To all whom it may concern:*

Be it known that I, ALBERT F. MILLER, a citizen of the United States, residing in the city and county of Camden, State of New Jersey, have invented a new and useful Improvement in Spring Bed-Bottoms, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 represents a side elevation of a spring-bed bottom embodying my invention, partly broken away. Fig. 2 represents a bottom plan view thereof, the cover being removed. Fig. 3 represents a vertical section of a portion in line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts in the several figures.

My invention consists of a spring bed-bottom having means, as hereinafter described and definitely claimed, for adjusting the tension of the springs or tightening the same.

It also consists of straps rigidly connected with the frame and supporting the springs.

Referring to the drawings, A represents a frame, and B represents straps of metal, which are rigidly connected with the under side of the frame and support a frame, C, on which the springs D D are sustained.

E represents the cover, which, resting on the springs D, may be made of woven wire or other suitable material, the ends of the same being secured to brackets formed of plates F, pivoted to the sides of the frame A, respectively at the head and foot portions thereof, the means for connecting the cover with said plates F being transversely-extending bars G, which are secured to the top connecting-plates, F', of said plates, and transversely-extending strips H, which are attached to said bars, the ends of the cover being fitted and clamped between the bars and strips and firmly held by the same.

The bars G and plates F are shown secured by screws *a*; but it is evident that the plates F may be made of cast metal, and have sockets on the upper sides to receive the ends of the bars, as shown by the dotted lines.

Rising from the side rails of the frame are eyebolts or bosses J, the same being vertically arranged, and the eyes thereof are threaded to receive screws or bolts K, which are adapted to bear against the bars G, on the inner sides thereof.

The screws or bolts K are primarily used for adjusting the tension of the cover, so that the same is neither too taut nor too loose, and should the cover become loose or sag the screws or bolts K are properly operated in order to force the plates F outwardly, the same turning on their axes or pivots and moving the cover in opposite directions, thus tightening the same, it being evident that each end of the cover or any corner of the same may be adjusted independently of the other ends or corners.

The plates F embrace opposite sides of each of the side pieces of the frame, and are connected at the top by the horizontal pieces F'. The bars G are screwed to said pieces F', and thus as the plates F are prevented from lateral motions and the bars G are rigidly secured to the plates F' the frame is strengthened and the side pieces of said frame held apart and prevented from coming together.

As the brackets formed by the plates F F' are pivoted to the frame, and the cover or bottom E is of convex form, when the brackets are moved to tighten said cover the radial motions of the brackets cause the tightening of the cover, preserving the convexity thereof.

The straps B are sufficiently strong and rigid to sustain the springs D and cover, and possess sufficient elasticity to increase the yielding nature of the bottom.

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

1. In a bed-bottom, a pivoted bracket formed of two side plates and a top connecting-plate, said side plates embracing the opposite sides of the rail to which they are pivoted, substantially as described.

2. In a spring bed-bottom, the frame A, the clamping bars and strips G H, the threaded eye J, and screw-bolt K, in combination with pivoted brackets formed of side and top plates, the two side plates of each bracket embracing the opposite sides of the rail, to which they are pivoted, substantially as described.

ALBERT F. MILLER.

Witnesses:

JNO. A. WIEDERSHEIM,  
A. P. GRANT.