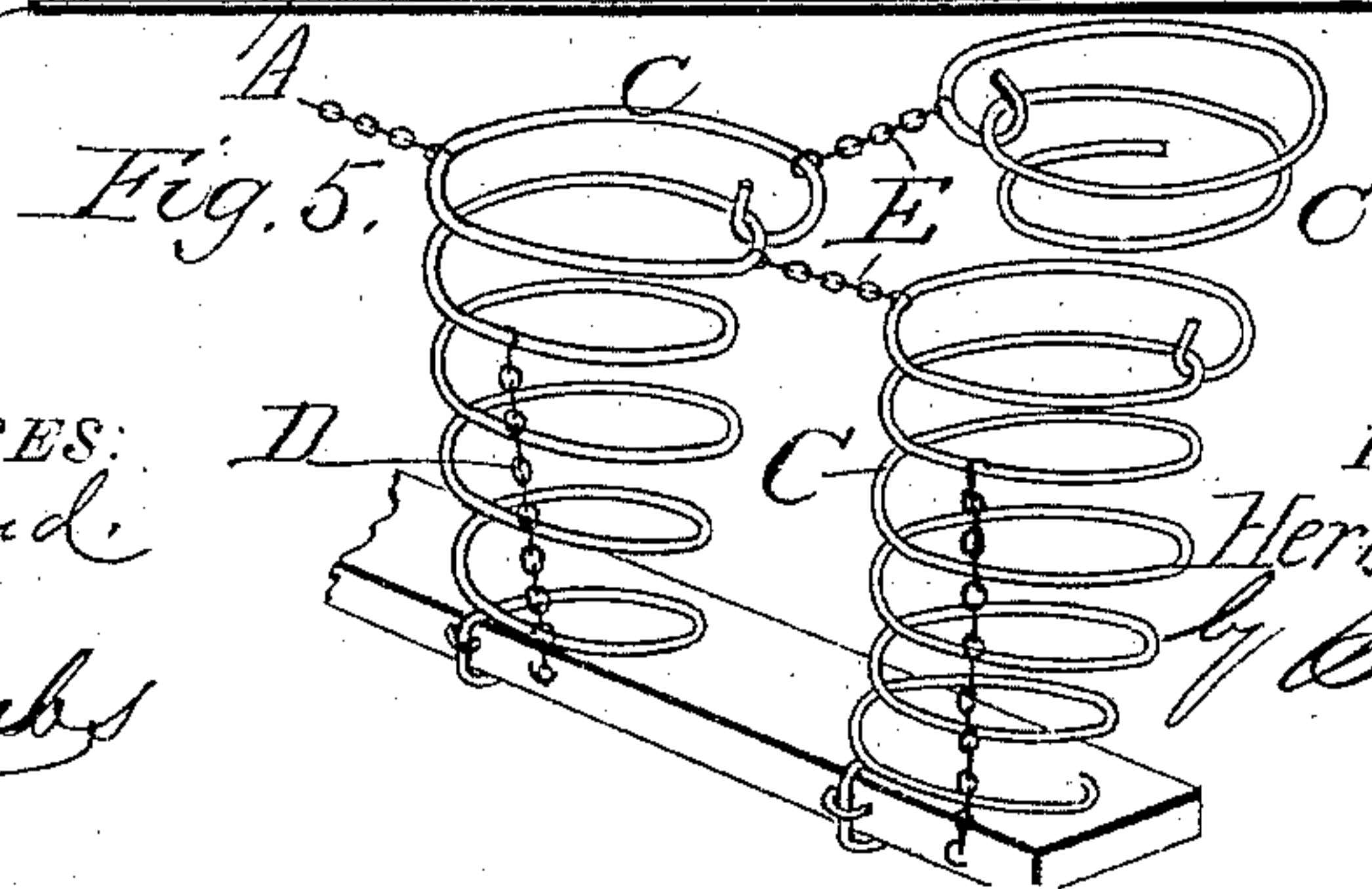
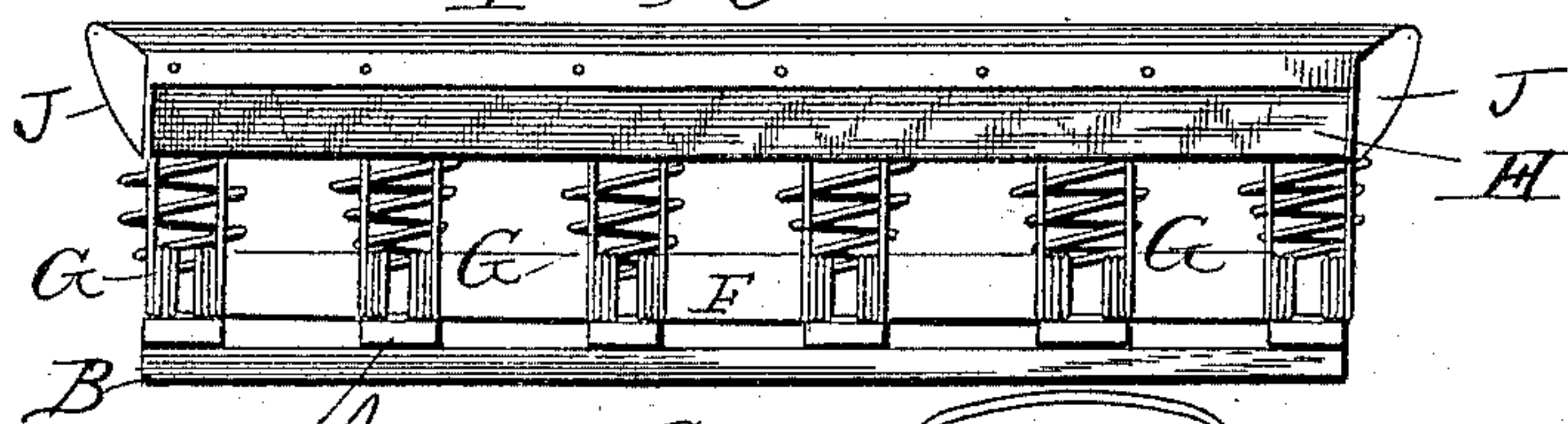
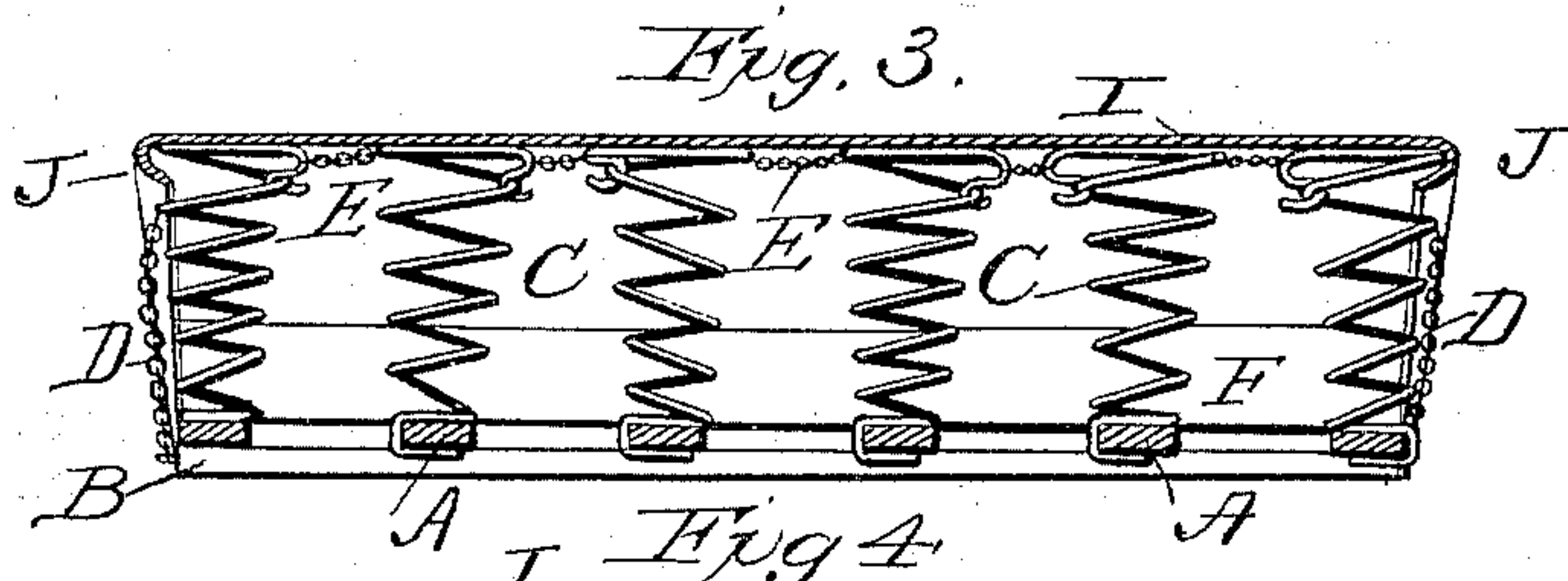
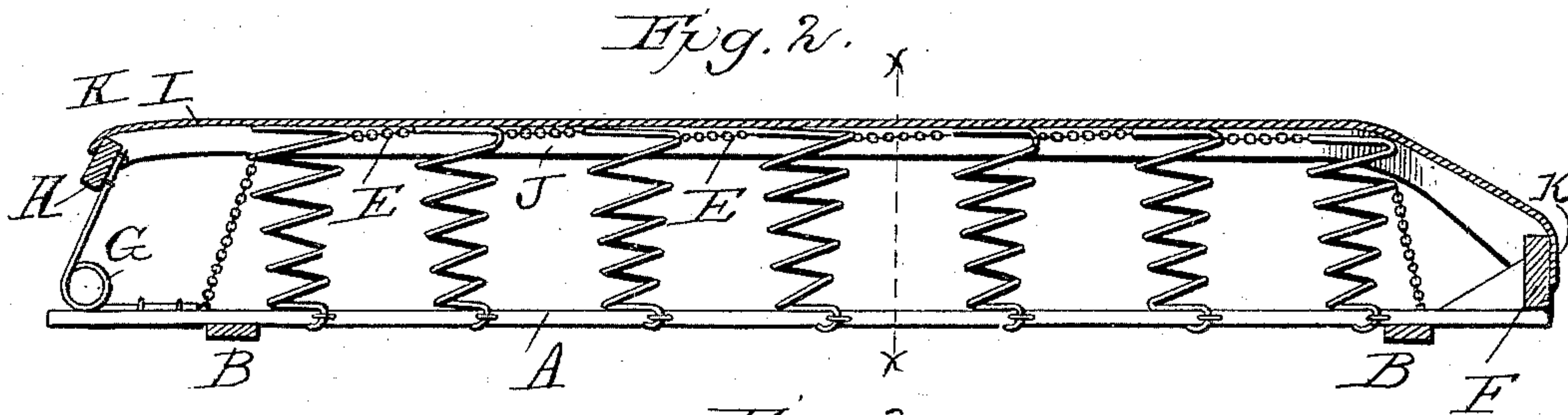
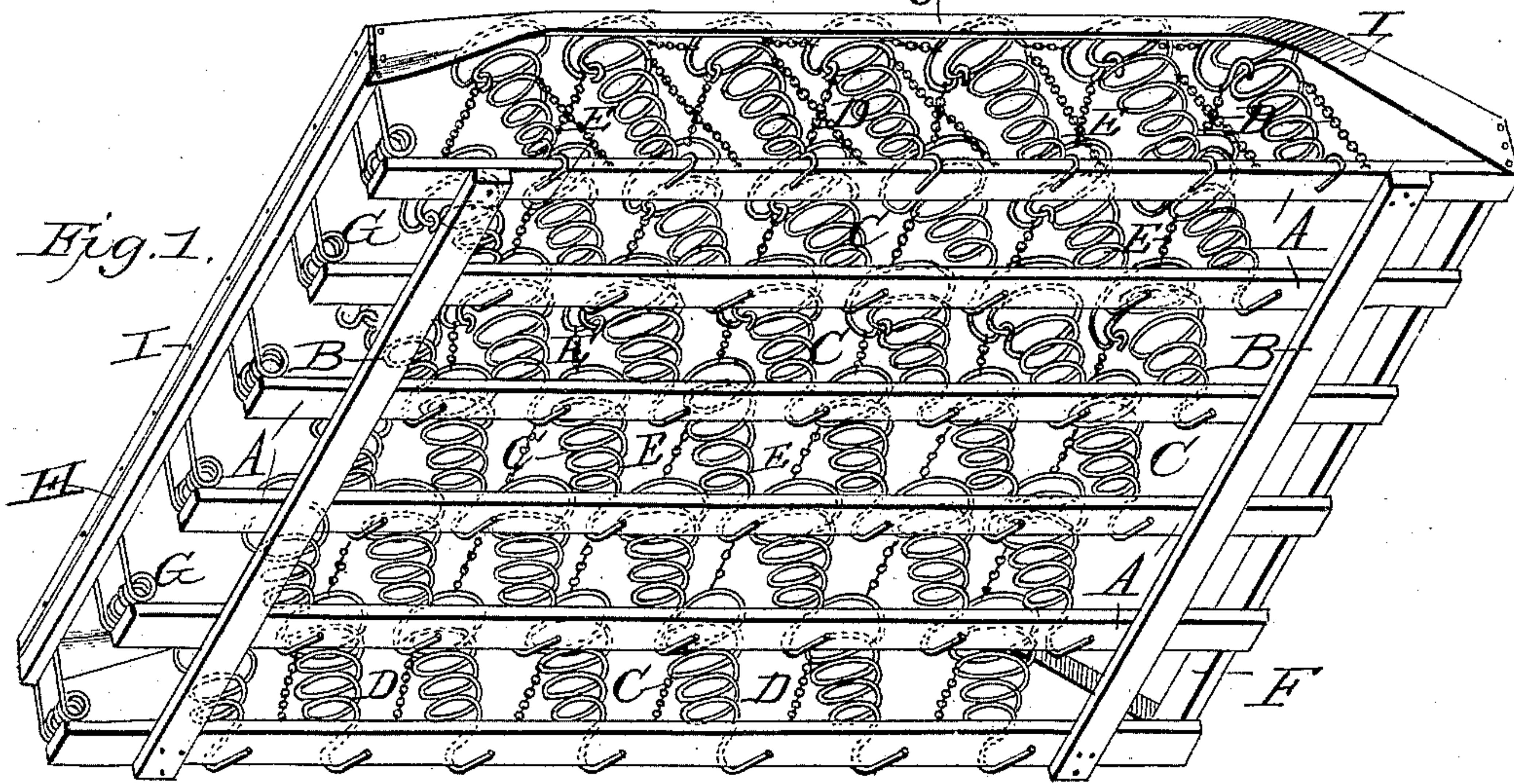


(No Model.)

H. L. DAY.
SPRING BED.

No. 473,729.

Patented Apr. 26, 1892.



WITNESSES:
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UNITED STATES PATENT OFFICE.

HERBERT L. DAY, OF CHERRYFIELD, MAINE.

SPRING-BED.

SPECIFICATION forming part of Letters Patent No. 473,729, dated April 26, 1892.

Application filed December 12, 1891. Serial No. 414,792. (No model.)

To all whom it may concern:

Be it known that I, HERBERT L. DAY, a citizen of the United States, and a resident of Cherryfield, in the county of Washington and State of Maine, have invented certain new and useful Improvements in Spring-Beds; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of my improved spring-bed, looking at it from the under side. Fig. 2 is a longitudinal sectional view of the same. Fig. 3 is a transverse sectional view on line $x x$ in Fig. 2. Fig. 4 is an end elevation, and Fig. 5 is a detail perspective view.

Like letters of reference denote corresponding parts in all the figures.

My invention relates to spring-beds; and it consists in the improved construction and novel combination of parts of a bed of that type which will be hereinafter more fully described and claimed.

Referring to the accompanying drawings, the letter A designates the bottom slats, which are connected to one another at the head and bottom of the bed by the transverse pieces B B, thus forming a rectangular frame of suitable size to fit the bed. Upon the longitudinal slats A A are fastened the coiled springs C, arranged in parallel rows and preferably placed a little farther apart at the front end than at the head, the superimposed weight of a person reclining on the bed being less at the foot than at the head. The tension of each spring C is regulated by means of chains D, connecting one or more of its coils with the bottom slats, thereby equalizing the tension or upward pressure of all the springs, and in order to maintain the upright position of the springs and prevent them from tilting sideways these are connected to one another by chains E, attached to and connecting their upper coils.

To the foot end of the bottom frame is rigidly fastened a narrow foot-board F, and upon

each of the slats A, at the head end, is fastened a coil-wire tension-spring G, the upper legs or free ends of which are fastened to the head-piece or bolster-piece H. To this bolster-piece is tacked one end of a stout cover I, of canvas, duck, or other suitable textile fabric, the other end of which is tacked to the rigid foot-board F. This cover I is drawn tight and taut across the top of the springs and is maintained in this position by the operation of the spring-actuated head-piece H, the springs G of which operate to force it outwardly, so as to exert a longitudinal pull upon the flexible cover I, and thereby always keep it taut and even over the top of the springs without sagging in the spaces between them. The cover I is made wider than the width of the top of the bed, so as to overlap the same on both sides, the overlapping edges J being turned down on both sides over the upper coils of the side springs and maintained in this position by being tacked to the ends of the yielding head-board H and rigid foot-board F, as shown at K.

By this construction and combination of parts the flexible cover I will at all times be held perfectly taut, so as to cover the springs evenly, the turned-down edges J J preventing the cover from sliding sidewise upon the top of the springs when a mattress or tick is placed upon or removed from the bed. The cover cannot sag in the spaces between the springs, and will thus support the superimposed mattress evenly at all points, thus not only preventing undue wear and tear of the mattress, but contributing very materially to the ease and comfort of the person occupying the bed.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The combination, in a spring-bed, of the bottom frame consisting of the longitudinal slats A and transverse slats B, the rigid or stationary foot-board secured to slats A, the end springs G, secured to slats A and to the movable head-board H, the coiled springs C, connected together at their upper ends by

chains E and secured to slats A, the chains
D, secured to said slats and to the springs C
intermediate their ends, and the flexible cover
fastened at one end to the rigid foot-board
5 and at the other end to the yielding head-
board and overlapping the upper coils of the
springs C at opposite sides, substantially as
described.

In testimony that I claim the foregoing as
my own I have hereunto affixed my signature in
presence of two witnesses.

HERBERT L. DAY.

Witnesses:

O. W. TAPLEY,
ALICE A. BURNHAM.