

(No Model.)

C. A. LE QUESNE.
Spring Bed Bottom.

No. 243,584.

Patented June 28, 1881.

Fig. 1.

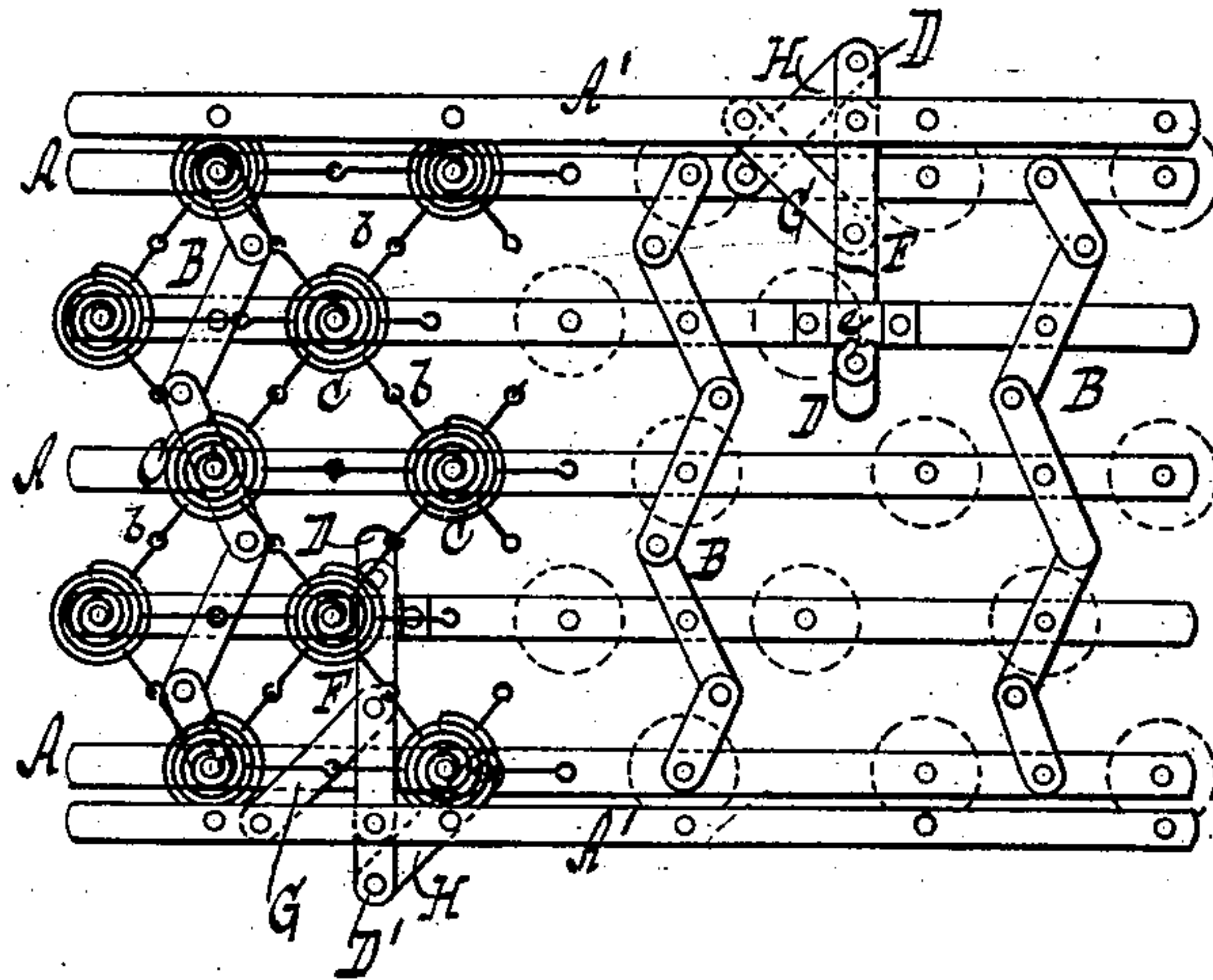


Fig. 2.

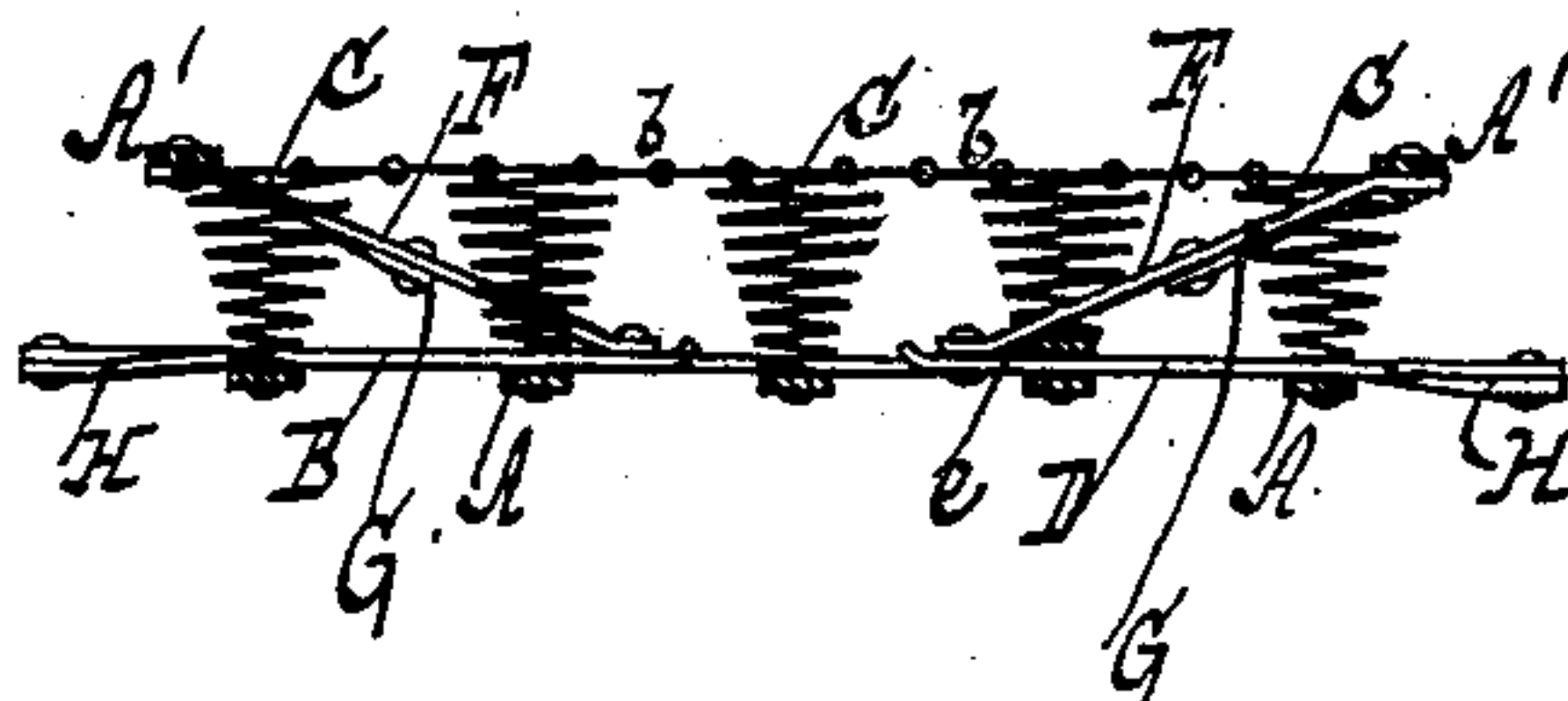


Fig. 4.

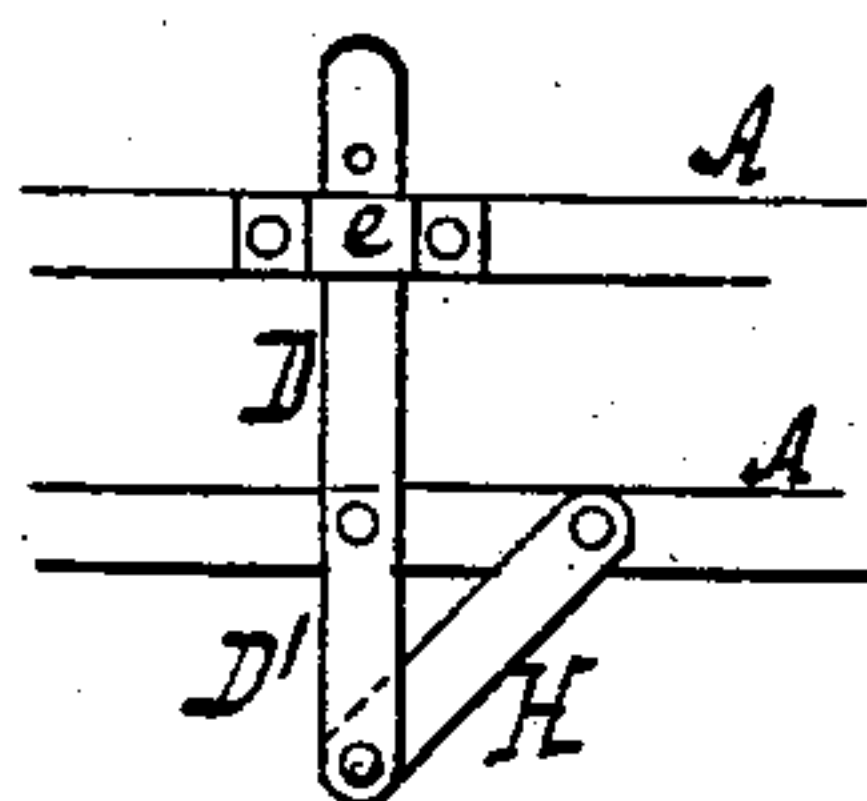


Fig. 3.

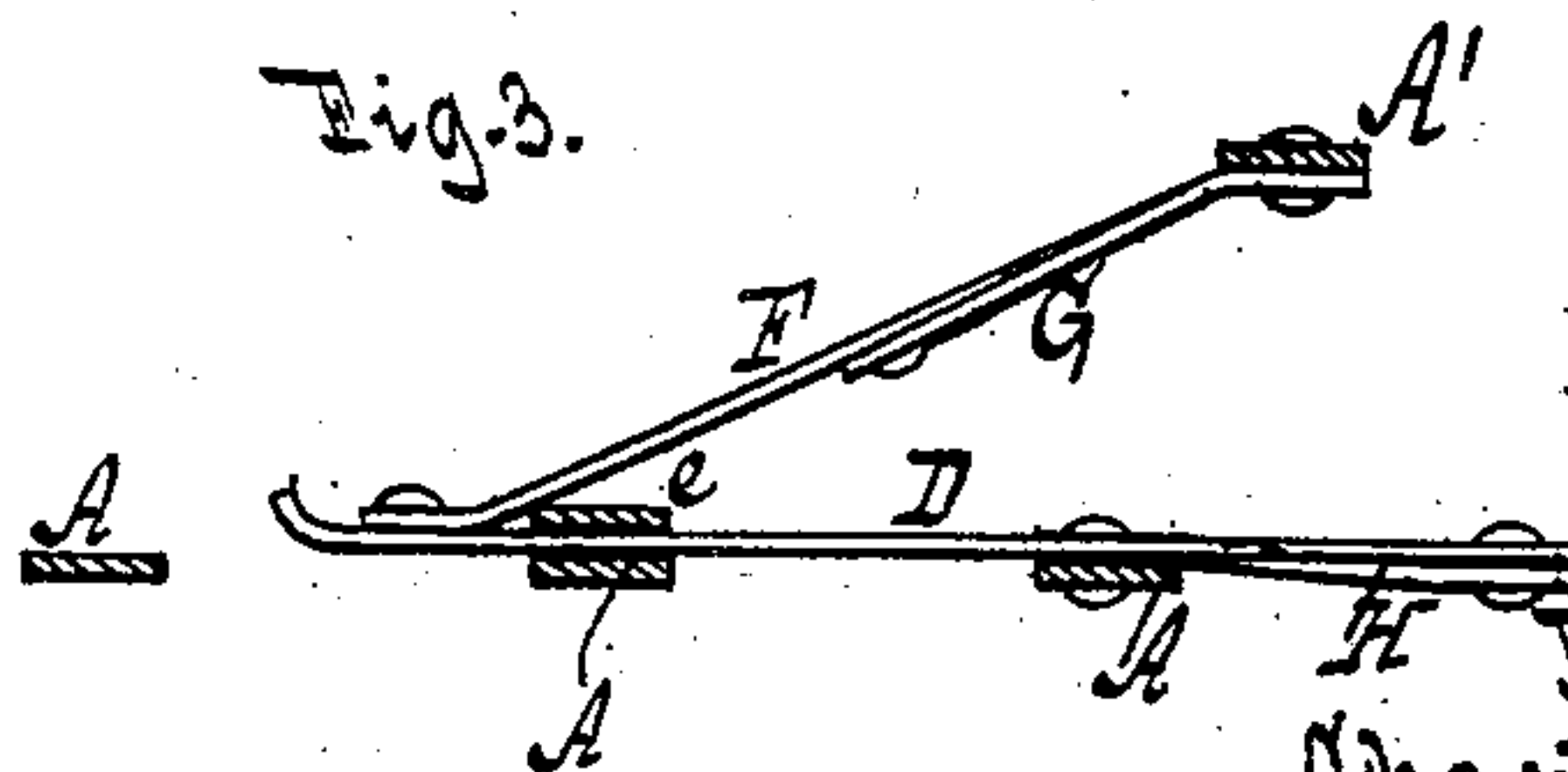
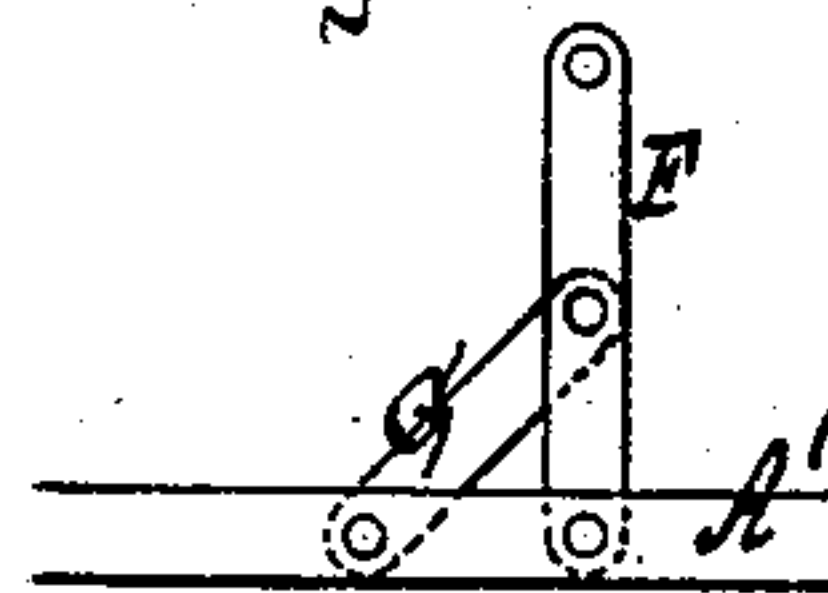


Fig. 5.



Witnesses
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Inventor
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att'ys

UNITED STATES PATENT OFFICE

CHARLES A. LE QUESNE, OF BROOKLYN, NEW YORK, ASSIGNOR TO FRED-
ERICK T. BROWNING, OF ORANGE, NEW JERSEY.

SPRING BED-BOTTOM.

SPECIFICATION forming part of Letters Patent No. 243,584, dated June 28, 1881.

Application filed May 21, 1881. (No model.)

To all whom it may concern:

Be it known that I, CHARLES A. LE QUESNE, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented new and useful Improvements in Metallic Spring Bed-Bottoms, of which the following is a specification.

This invention relates to that class of bed-bottoms for which Letters Patent of the United States were granted to me November 28, 1876, No. 184,880; and it consists in a certain novel arrangement of braces, as hereinafter set forth in detail.

This invention is illustrated in the accompanying drawings, in which Figure 1 represents a plan or top view, showing the bottom extended. Fig. 2 is a cross-section thereof. Figs. 3, 4, and 5 are detail views of the braces.

Similar letters indicate corresponding parts.

The letter A designates a series of parallel slats connected together by jointed arms B to form an extensible supporting frame or base. C designates coiled springs, fastened to the slats A at their lower ends, and connected together at the top by flexible links b, the outer row of springs being, moreover, connected to top slats, A', and D indicates transverse bars extending inward from the outer lower slats through eyes e applied to one of the lower inner slats. These several parts are constructed and arranged substantially in the manner shown and described in my before-mentioned Letters Patent, to which reference is made.

To the top bars, A', respectively, and at a point opposite to the transverse bars D, is fastened one end of a brace, F, which thence extends downward substantially parallel to the transverse bars on an inclined plane, and the other or lower end of which is fastened to the transverse bars at a point beyond the eye or loop e in which the bars slide.

One object of the transverse bars D is to prevent an endwise motion of the lower slats, A, and it will be readily perceived that the transverse braces F tend to prevent a like motion of the top slats, A'.

In order to increase the effect of the braces F, I combine therewith counter-braces G, which are fastened to the top slats, A', and the braces F, respectively, at their opposite ends, extending diagonally from one to the other. These counter-braces G re-enforce and thus reduce the strain on the braces F, also preventing endwise motion of the top slats.

The transverse bars D project outward beyond both the outer lower slats, A, and the top slats, A', as at D', so that when the whole is placed on a bed the projecting portions of the transverse bars meet the side-boards of the bedstead and leave a space between them and the top slats for the reception of the edges of the bed-clothes. These projecting portions D' of the transverse bars are re-enforced by means of braces H, which are fastened to the ends of the bars and the outer lower slats, A, at their opposite ends, so that such portions of the bars are not liable to be twisted or broken, and the bars are kept at right angles to the slats, the braces thus assisting in preventing endwise motion of the slats.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a bed-bottom, the combination of the lower slats, A, transverse bars D, and a series of coiled springs, of the upper side slats, A', and the inclined braces F, arranged transversely to the upper and lower slats, and having their ends connected respectively with the upper side slats, A', and the outer portions of the transverse bars D, all substantially as described.

2. The combination, substantially as hereinafore set forth, of the counter-braces G with the braces F, the transverse bars D, the lower slats, A, and the top slats, A', for the purpose described.

3. In a spring bed-bottom, the combination, with the upper side slats, A', and lower slats, A, the latter sustaining a series of coiled springs, of the transverse bars D, having their ends projecting beyond the upper slats, A', and the transverse inclined braces F, having their ends attached respectively to the slats

A' and to the ends of the transverse bars D, substantially as described.

4. The combination, substantially as here-
inbefore set forth, of the braces H with the
5 outwardly-projecting transverse bars D and
the lower slats, A, for the purpose described.

In testimony whereof I have hereunto set

my hand and seal in the presence of two sub-
scribing witnesses.

CHAS. A. LE QUESNE. [L. S.]

Witnesses:

J. VAN SANTVOORD,
CHAS. WAHLERS.