(No Model.)

J. J. ADGATE.

WARDROBE BEDSTEAD.

No. 273,424. Patented Mar. 6, 1883.

Fig. 1.

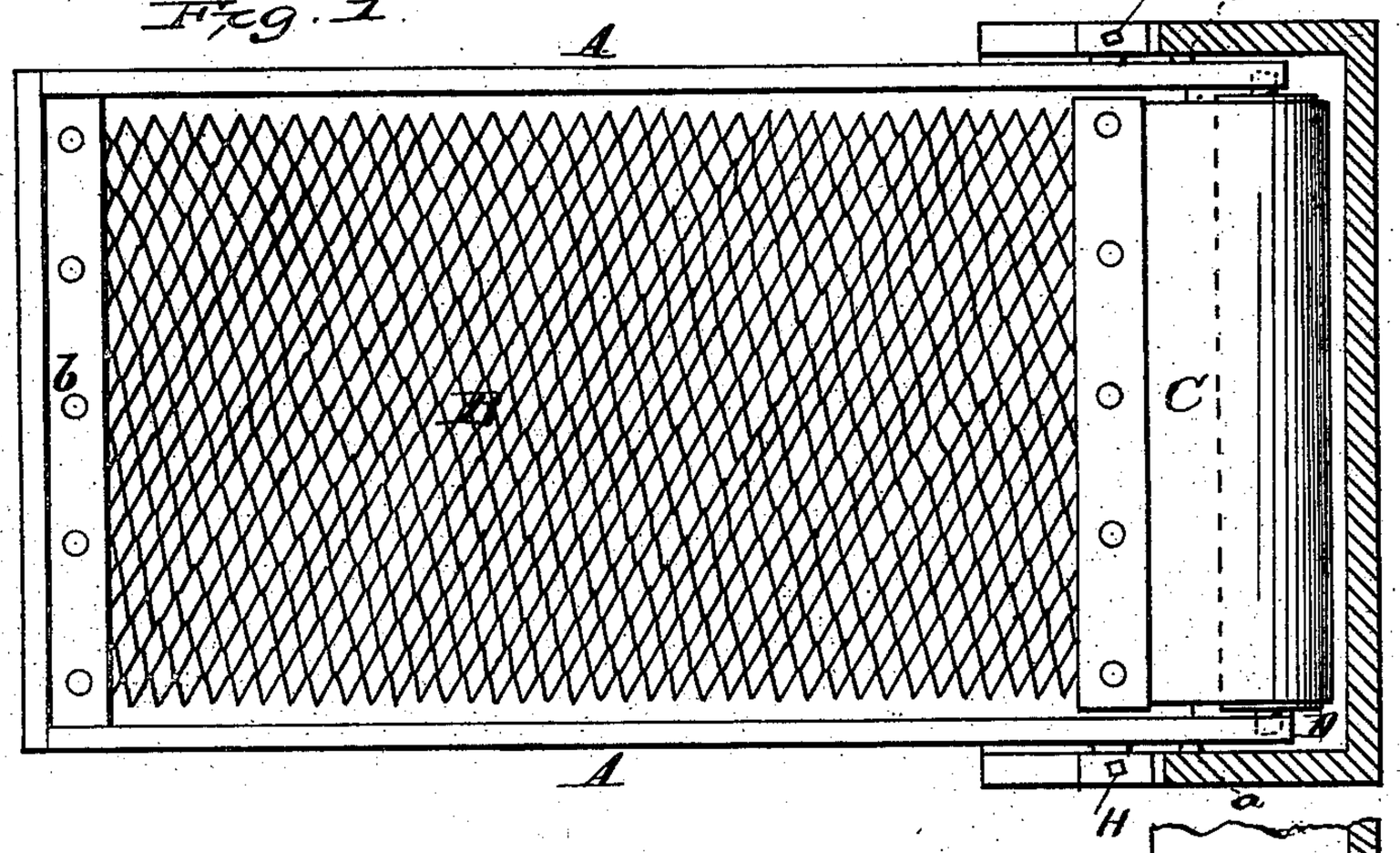


Fig. 3.

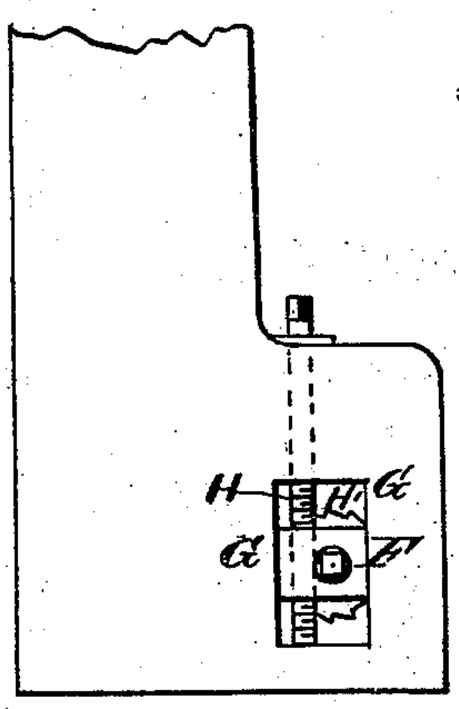
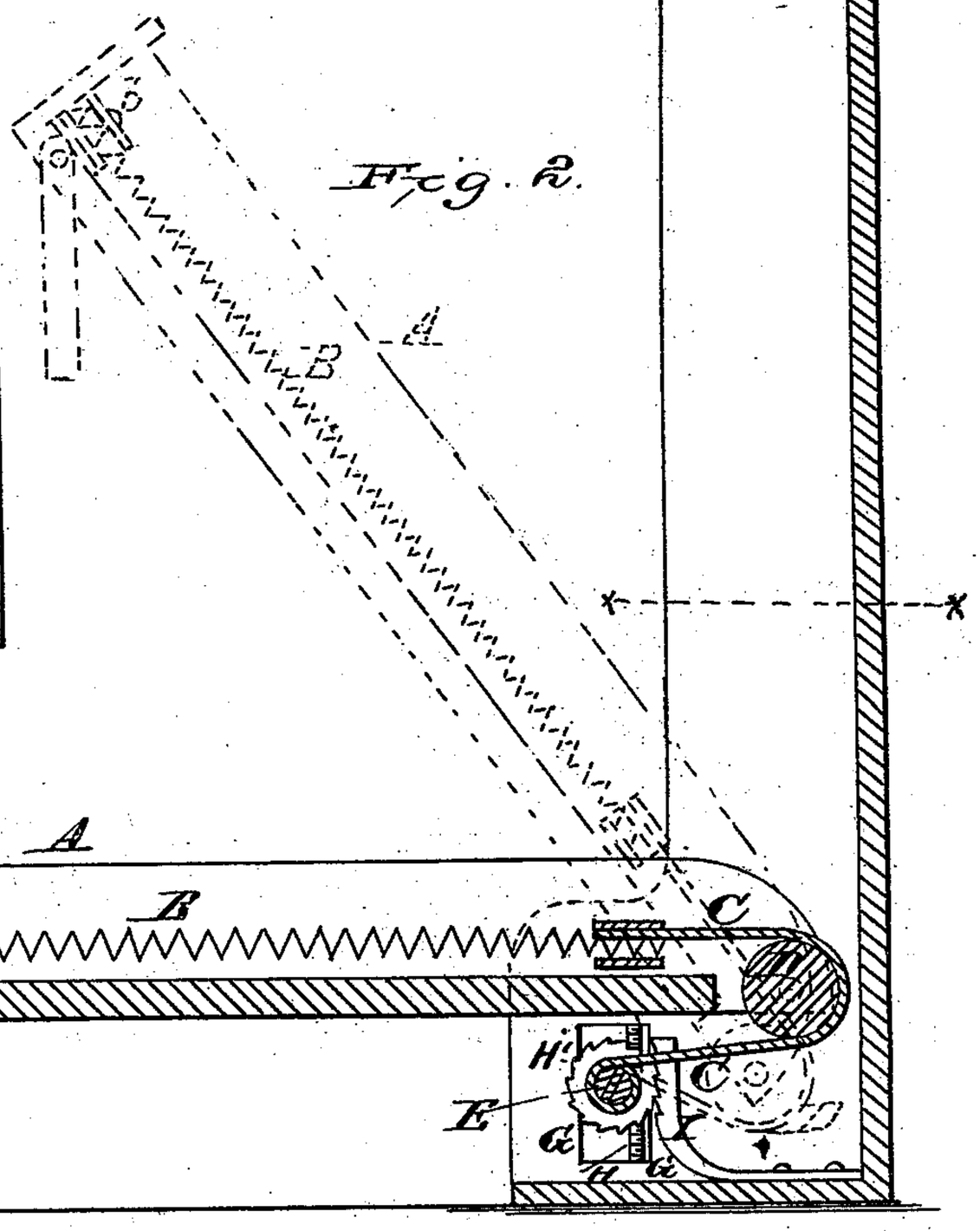


Fig. 2.



WITNESSES

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JOSEPH J. ADGATE, OF NEW YORK, N. Y.

WARDROBE-BEDSTEAD.

SPECIFICATION forming part of Letters Patent No. 273,424, dated March 6, 1883.

Application filed August 9, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH J. ADGATE, of New York, in the county of New York, and in the State of New York, have invented certain new and useful Improvements in Wardrobe-Bedsteads; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 is a top view of the spring-actuated bed-bottom arranged horizontally, showing it applied to a casing, which is indicated in horizontal section, line *x x*, Fig. 2. Fig. 2 is a vertical section, showing the bedstead in a horizontal position in full lines, and dotted in a position at right angles thereto. Fig. 3 is a side view in detail.

This invention relates to wardrobe-bedsteads which are adapted to be used in combination with casings or cabinets; and the nature of my invention consists in a hinged or pivoted bedstead-frame having a bed-bottom which is elastic, and to utilize the elasticity of said bottom for the purpose of raising the frame to a vertical position.

My invention also consists in an elastic bed-bottom, a suitable frame therefor, and means whereby the said bed-bottom can be adjusted and set for different degrees of tension, as will be fully explained, and illustrated in the annexed drawings.

The letter A designates a bedstead-frame, which has its fulcrum at *a*, and which is provided with legs at its free end.

B designates a bed-bottom, which is secured at *b* in a suitable manner to the free end of the frame A, and which is also attached at its opposite end to a canvas, C. This canvas is passed around a roller, D, which has its bearings in the side of the frame A. The canvas is passed around a windlass, E, which has its bearings in blocks F, that are vertically adjustable in guides G G by means of screws H. The windlass E may be turned by a crank or other suitable means for the purpose of winding up or releasing the elastic bed-bottom, and for regulating the tension of the same. On this windlass is keyed a ratchet-wheel, H, with which engages a toothed spring-pawl ratchet, I. This pawl-ratchet and its wheel will prevent the recoil of the spring bed-bottom.

It will be seen from the above description that I utilize the elasticity of the bed-bottom B as means for elevating the bedstead-frame from a horizontal position to a vertical position. It will also be seen that I am able to adjust the winding-up shaft or windlass E vertically and bodily for the purpose of changing the fulcrum of this windlass with respect to the journals of the windlass and the fulcrum *a* of the bedstead-frame.

While I have above described one practical mode of carrying my invention into effect, I do not confine myself to the precise mode or contrivance herein specified, as I contemplate the employment of other modes. The gist of my invention consists essentially in utilizing the spring recoil of the bed-bottom, when such a bottom is applied to a pivoted frame, for the purpose of raising the bedstead proper, as described above, and also for the purpose of counterbalancing the weight of the said frame and the bed-clothing thereon. I have also shown and described means for adjusting the tension of the spring bed-bottom, and also for adjusting the height of the fulcrum of the windlass or winding-up shaft, without materially changing the tension of the bed-bottom.

It is obvious, from what I have shown and described, that I relieve the spring-tension of the bed-bottom to a great degree when the bedstead is erect, and thus prevent undue strain on the springs.

I prefer to use interlocking helical springs in the composition of the bed-bottom; but I do not confine myself thereto, as any other practical spring-bottom may be substituted for the one which I have described and shown.

Having described my invention, I claim—

1. A bedstead-frame which is hinged or pivoted, and which is provided with an elastic bed-bottom the recoil of the spring of which will raise the said frame to an upright position, substantially in the manner and for the purposes described.

2. The pivoted bedstead-frame provided with an elastic bottom, and having a windlass for adjusting the tension of the said frame, substantially in the manner and for the purposes specified.

3. A wardrobe-bedstead consisting of the hinged or pivoted frame, an elastic elevating spring-bottom, an adjustable device for regulating the tension thereof, and an adjustable device for giving vertical movement to the windlass-shaft, all constructed and arranged to operate substantially in the manner and for the purposes described.

In testimony whereof I affix my signature, in presence of two witnesses, this 5th day of August, 1882.

JOSEPH J. ADGATE.

Witnesses:
J. J. McCARTHY,
H. A. TOULMIN.