(No Model.)

K. BROOKS.

FOLDING BED.

No. 337,554. Patented Mar. 9, 1886.

Fig. 1.

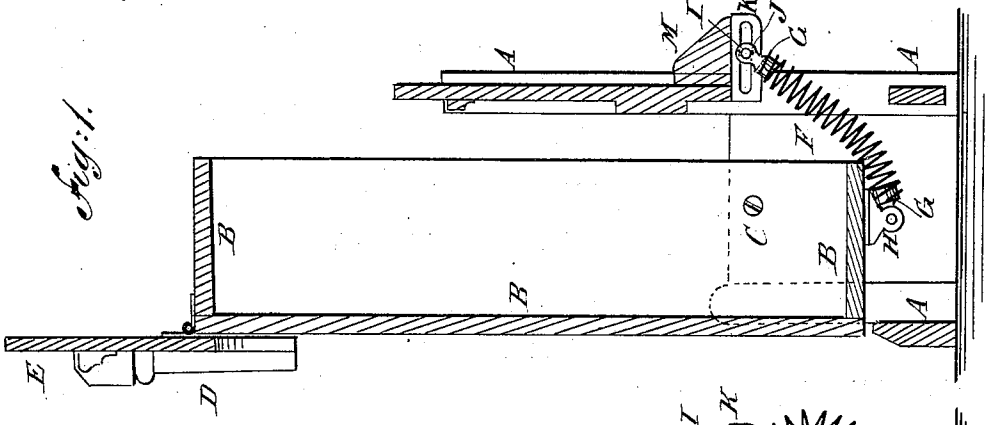


Fig. 2.

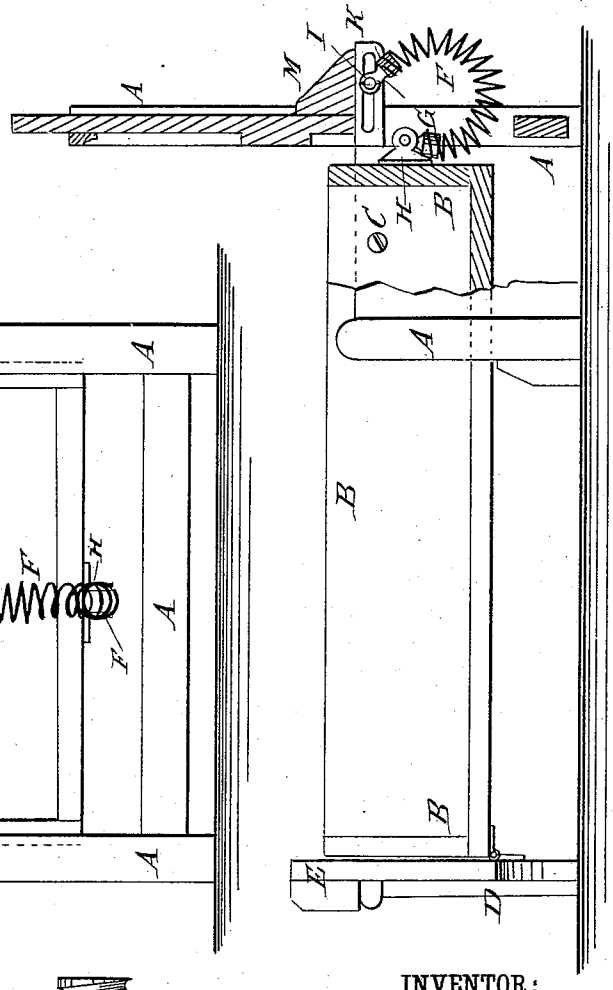


Fig. 3.

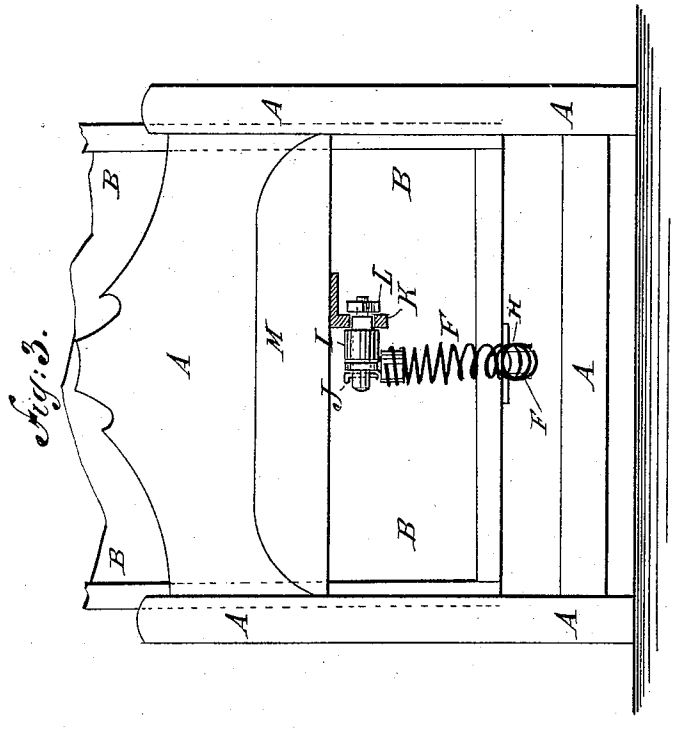
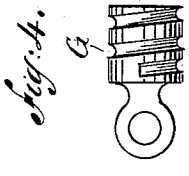


Fig. 4.



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UNITED STATES PATENT OFFICE.

KARMELL BROOKS, OF NEW YORK, N. Y.

FOLDING BED.

SPECIFICATION forming part of Letters Patent No. 337,554, dated March 9, 1886.

Application filed June 25, 1885. Serial No. 169,739. (No model.)

To all whom it may concern:

Be it known that I, KARMELL BROOKS, of the city, county, and State of New York, have invented a new and useful Improvement in Folding Beds, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a sectional side elevation of one of my improved folding beds, shown as folded. Fig. 2 is a side elevation, partly in section, of the same unfolded. Fig. 3 is a rear elevation of the same folded, the upper bracket being shown in section. Fig. 4 is a side elevation of one of the spring-eyes.

The object of this invention is to provide folding beds constructed with a counterbalancing-spring arranged in such a manner that its tension can be readily regulated as the weight of the folding part of the bed may require.

The invention consists in the combination, with the folding and the stationary parts of the bed, of the spring and its adjustable pivot-arm and slotted bracket, as will be hereinafter fully described.

A represents the stationary part, and B the movable part, of the folding bed, which parts are connected by pivots C in the ordinary manner. The free end of the folding part of the bed is provided with hinged legs D, connected by a board, E, to serve as legs and a foot-board when the bed is unfolded, and as an ornamental cornice when the bed is folded.

F is a strong spiral spring, having eyes G attached to or formed upon its ends. One of the eyes of the spring F is hinged to a bracket, H, attached to the hinged end of the folding part B of the bed. The other eye of the spiral spring F is hinged to the rounded end of the arm I, upon which it is secured by a key, J, or other suitable means. The other end of the arm I is squared and fits into a slot in the projecting part of the bracket K, where it is secured in place by a nut, L. The bracket K is secured to a support, M, attached to the stationary part A of the bed, and arranged in line with the length of the bed, as shown in Figs. 1, 2, and 3. With this construction, by loosening the nut L the pivot-arm I can be adjusted to give more or less tension to the spring F, as the weight of the folding part of the bed may require, so that the said folding part of the bed will be so nearly counterbalanced by the tension of the said spring that the bed can be readily folded and unfolded.

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

In a folding bed, the combination, with the stationary part A and the folding part B, of the spiral spring F, the adjustable pivot-arm I, and the slotted bracket K, substantially as herein shown and described, whereby the said spring can be readily adjusted to counterbalance the weight of the folding part of the bed, as set forth.

KARMELL BROOKS.

Witnesses:

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