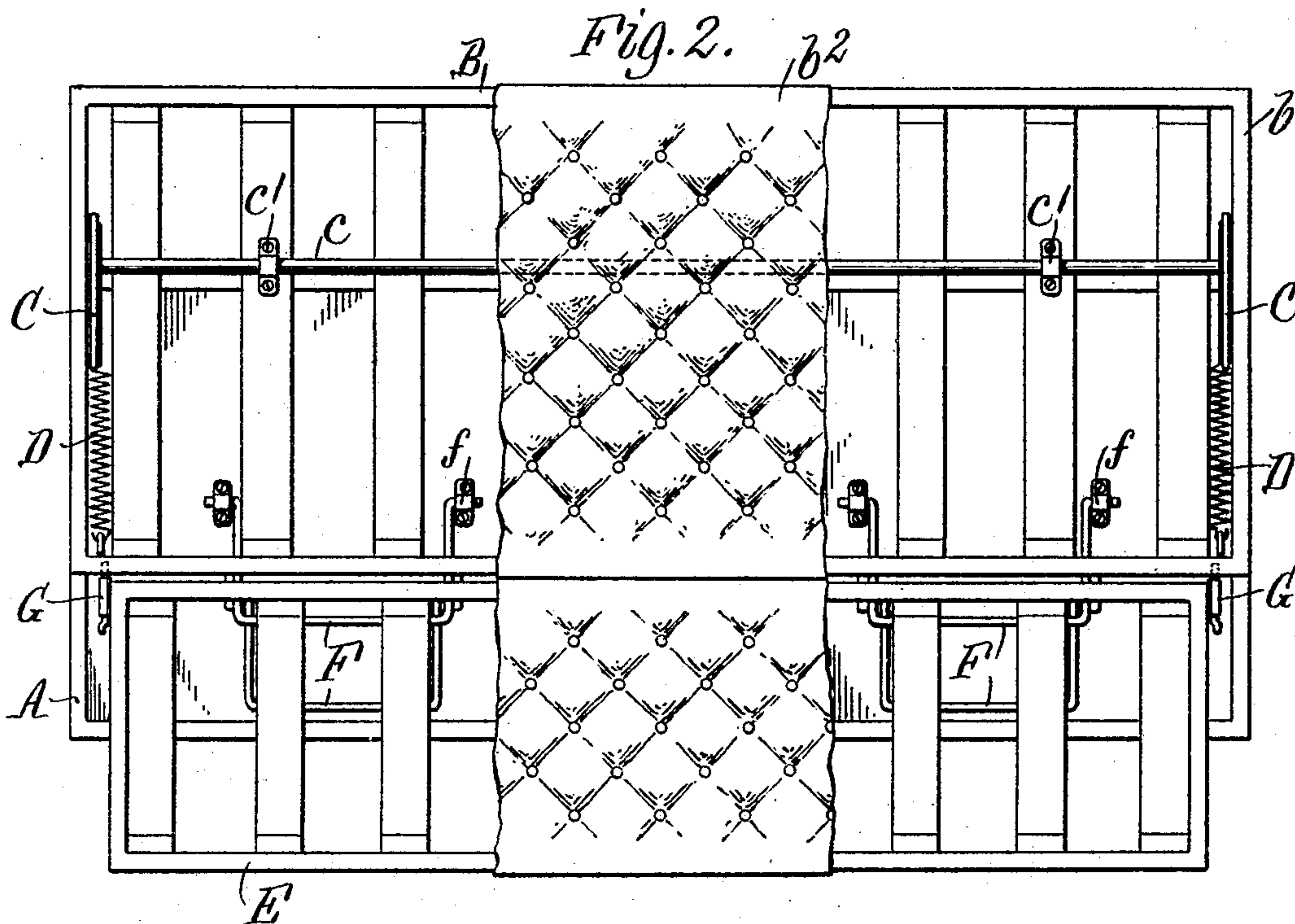
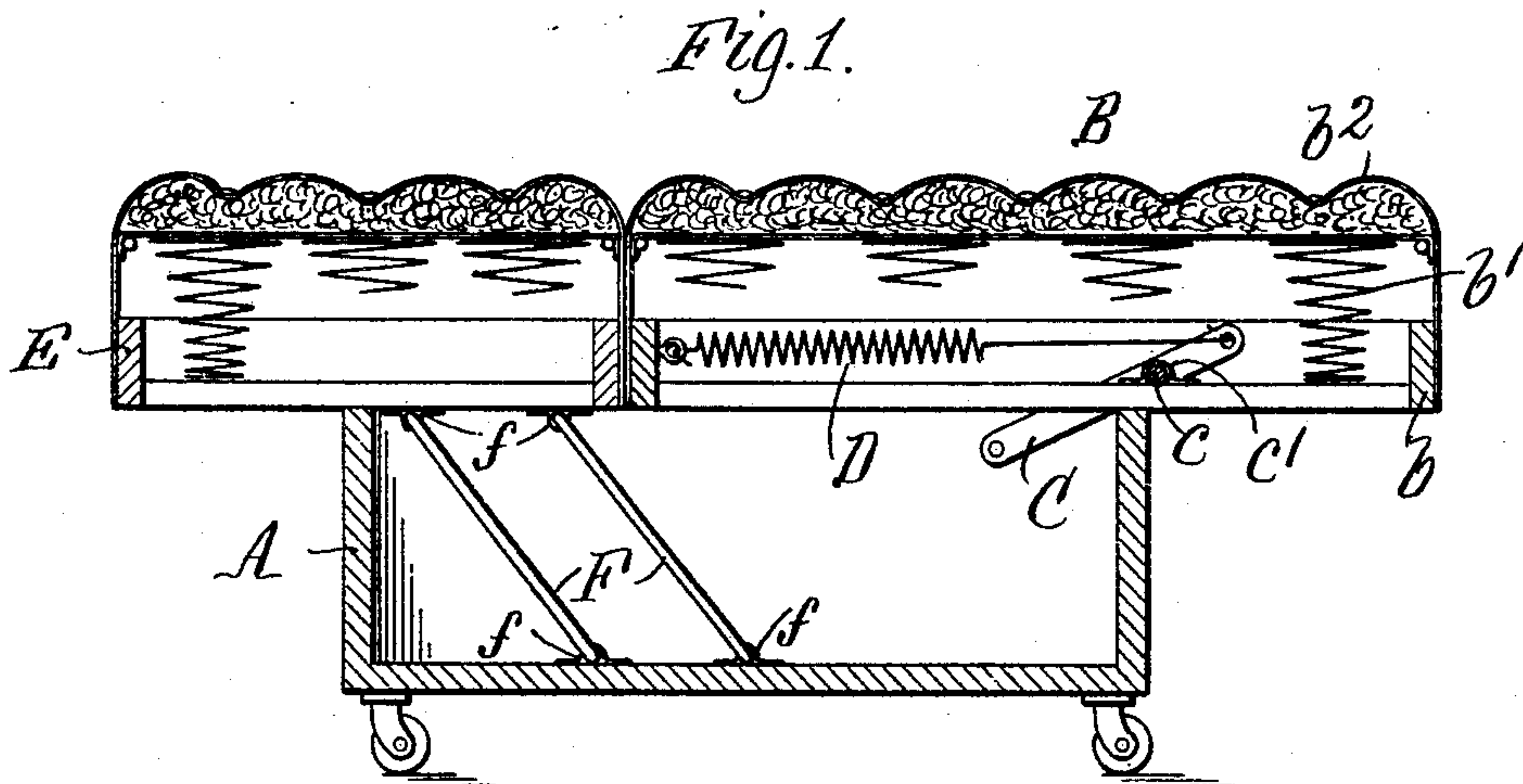


H. J. JACOBS.  
BED OR BOX COUCH.  
APPLICATION FILED JUNE 30, 1908.

929,855.

Patented Aug. 3, 1909.

3 SHEETS—SHEET 1.



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Fig. 3.

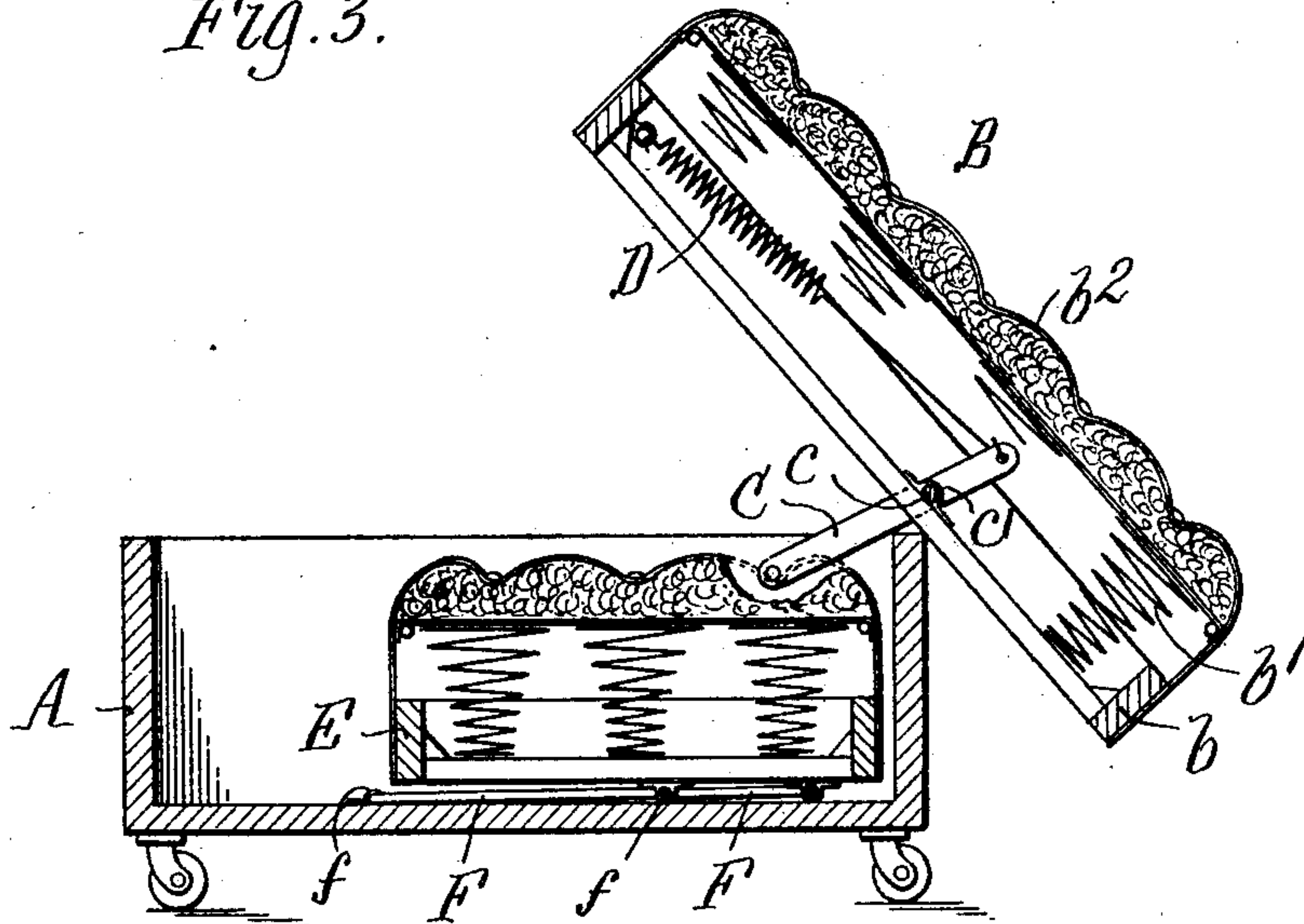
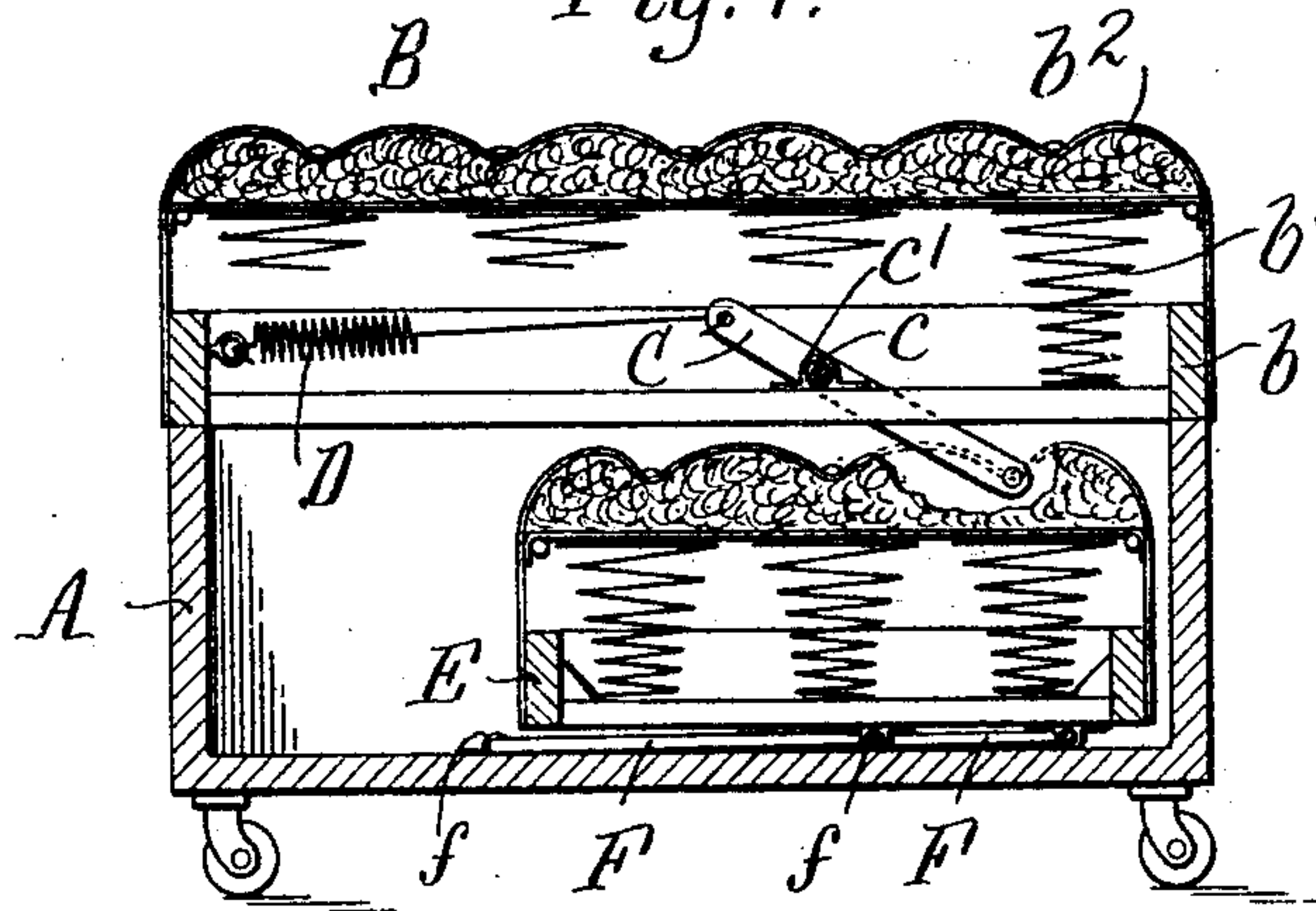


Fig. 4.



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Fig. 5.

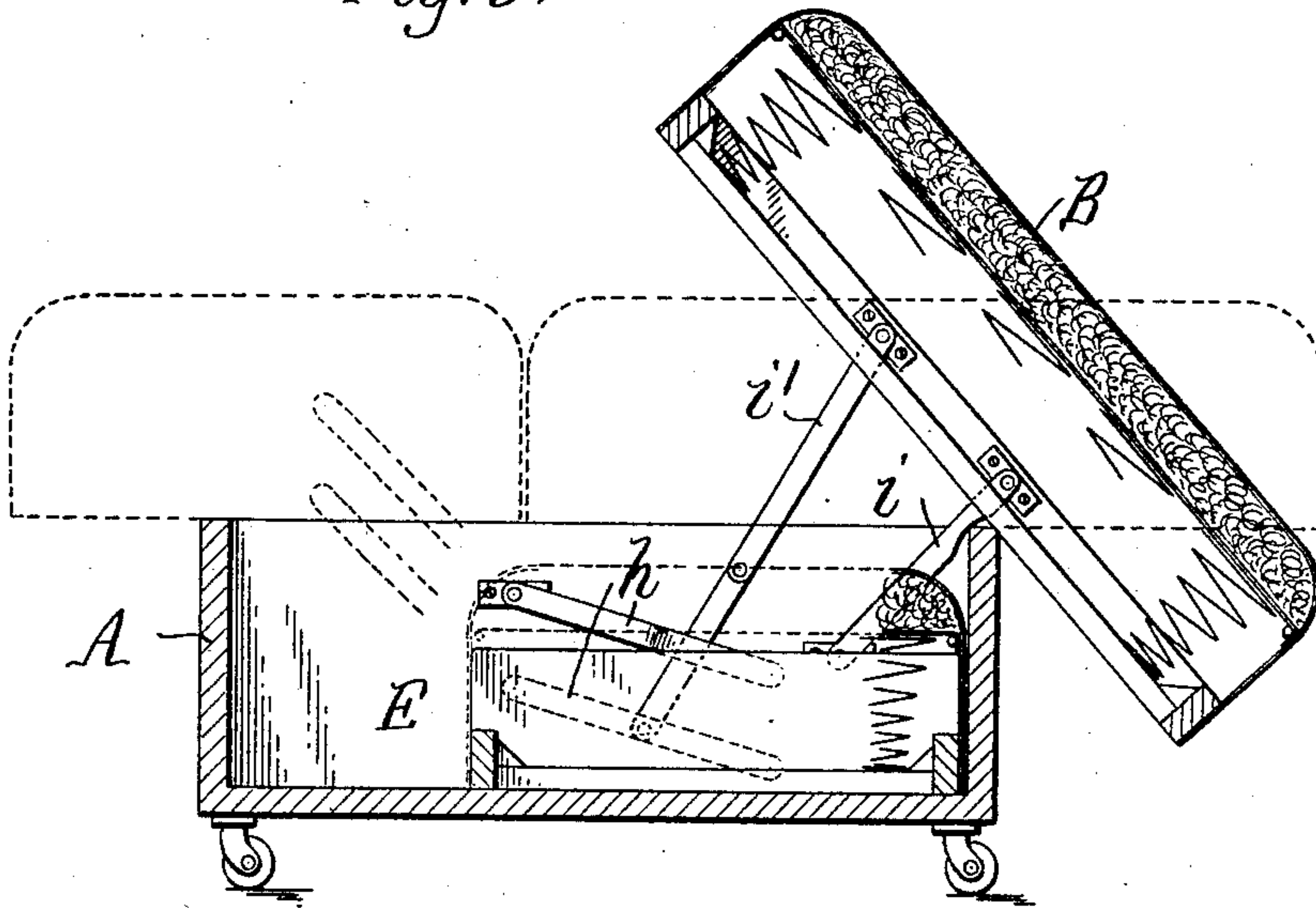
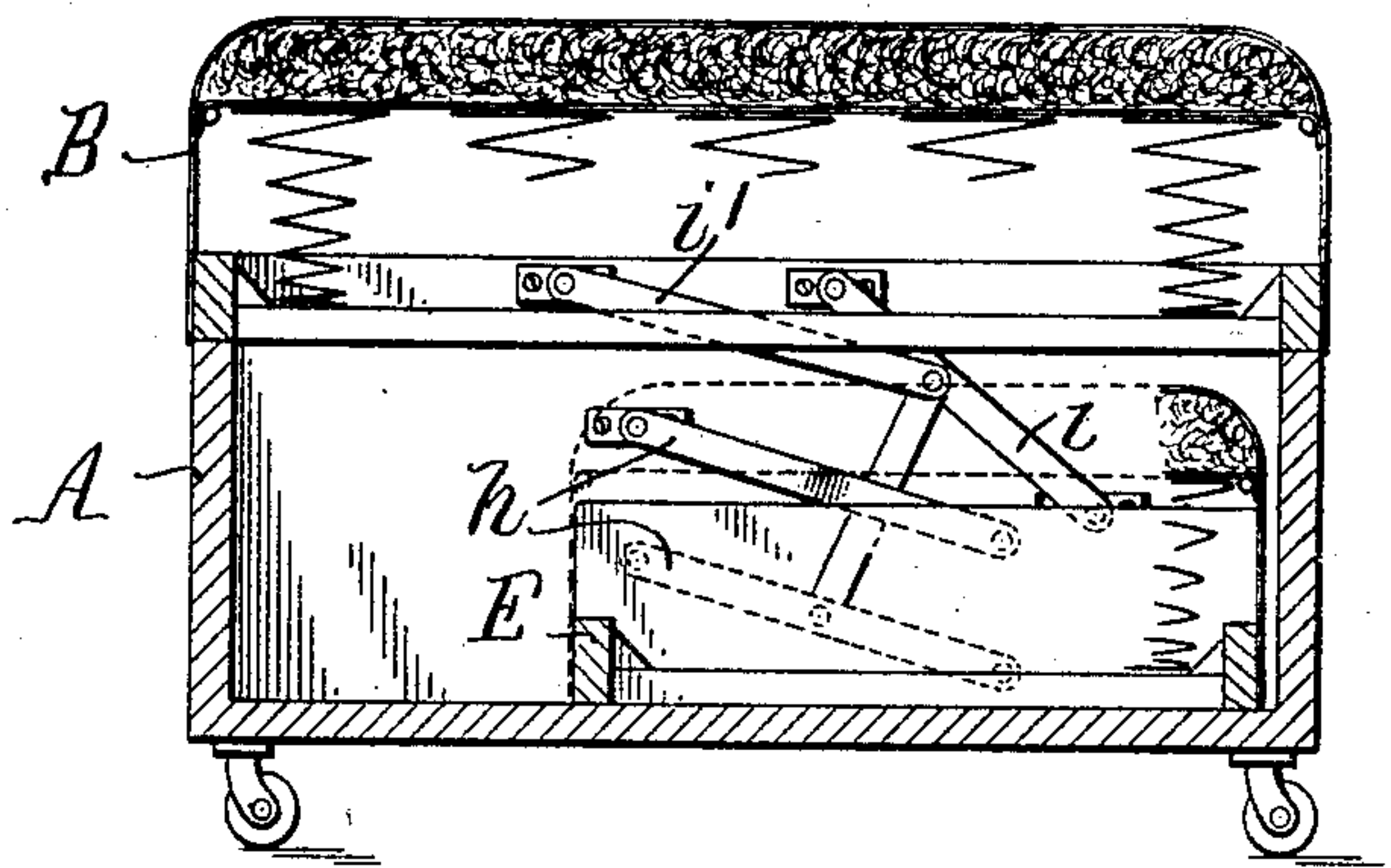


Fig. 6.



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# UNITED STATES PATENT OFFICE.

HENRY J. JACOBS, OF BUFFALO, NEW YORK.

## BED OR BOX COUCH.

No. 929,855.

Specification of Letters Patent.

Patented Aug. 3, 1909.

Application filed June 30, 1908. Serial No. 441,165.

*To all whom it may concern:*

Be it known that I, HENRY J. JACOBS, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented a new and useful Improvement in Bed or Box Couches, of which the following is a specification.

This invention relates more particularly to bed couches of that type which comprise a box couch having an upholstered cover or top which is adapted to coöperate with a bed bottom section normally concealed within the couch box to form a wide bed.

The primary object of the invention is to produce a desirable bed couch of this sort of simple construction in which the cover can be shifted from its normal position, in which it forms the top or cover of the box, to a position in which it projects over one side of the box, and the bed bottom section can be shifted from its normal position in the box to a position on top of the box beside the cover and projecting to the opposite side of the box so as to form with the cover a wide bed.

Other objects of the invention are to mount the cover and bed bottom sections so that they can be easily shifted to convert the couch into the bed, and vice versa, and otherwise improve couch beds of this sort in the respects hereinafter described and set forth in the claims.

In the accompanying drawings, consisting of three sheets: Figure 1 is a transverse sectional elevation of a bed couch embodying the invention, the parts being opened to form a bed. Fig. 2 is a plan view thereof, portions of the upholstering being broken away to disclose the underlying parts. Fig. 3 is a transverse sectional elevation thereof showing the cover raised and bed bottom section folded into the box. Fig. 4 is a similar view, showing the cover closed. Figs. 5 and 6 are views similar to Figs. 3 and 4, respectively, of a modified construction.

Like letters of reference refer to like parts in the several figures.

A represents the couch box or body, and B the cover or top thereof. The box is of the usual rectangular shape and may be of any suitable construction. The cover, which normally rests on the box and forms the top of the couch, as shown in Fig. 4, preferably comprises a rectangular wooden frame *b* corresponding in dimensions with the box,

and upholstering consisting of the usual spring work *b'* and a padded covering or cushion *b<sup>2</sup>*.

In the construction shown in Figs. 1-4, the cover B is movably connected to the box by links or levers C C which are suitably pivoted at their lower ends to the insides of the ends of the box and are connected to the opposite ends of a rod or shaft *c* which extends lengthwise of the cover B and is secured to the bottom thereof in suitable bearings *c'*.

D D represent springs each of which is connected at opposite ends to the upper end of one of the links C which extends above the connecting rod, and the front bar of the cover frame. The links C are adapted to swing about their pivotal connections with the box, and the cover to swing on its connection with the links so that the cover can be thrown upwardly and rearwardly from its horizontal position over the box, as shown in Fig. 4, to the inclined position shown in Fig. 3, and then lowered to the horizontal position shown in Fig. 1, in which it overhangs or projects laterally from one side of the box. The springs D D are strained somewhat when the cover is in the normal position on the box, and first contract and are then stretched farther as the cover is raised, so that they tend to counterbalance the weight of the cover, making it easier to raise the same, and they retain the cover in the raised position. They are also strained in lowering the cover from the inclined position to the horizontal position on the side of the box, and assist in raising the cover from this position.

E represents a bed bottom section or frame which is upholstered like the cover B, but is of somewhat smaller dimensions, adapting it to occupy a position in the box A. This bed bottom section is movably mounted so that it can be raised out of the box and supported on top thereof beside the cover B to form with the latter a wide bed. In the construction shown in Figs. 1-4, the bed bottom section is mounted on four parallel swinging links F, each consisting of an inverted U-shaped rod pivoted to the bottom of the box and underside of the bed bottom section E by hinges *f*. To convert the couch into the bed the cover B is raised to the inclined position shown in Fig. 3, the bed bottom section E swung upon the links from its normal



position in the box to the position on top of the box, shown in Fig. 1, and the cover is then lowered to a horizontal position on the box beside the bed bottom section E.

5 The inner edges of the cover and bed section are then locked together by bolts G, or catches of any suitable sort, on one part and adapted to be engaged with the other part. When secured in this position the cover

10 overhangs or projects laterally to one side of the box and the bed section overhangs or projects laterally a substantially like distance to the other side of the box so that the box occupies a position substantially cen-

15 trally between the sides of the open bed bottom, as shown in Fig. 1, and forms a stable support for the same, and no legs or additional supports for either the cover or bed section are required.

20 Means of different construction can be employed for movably connecting the cover B and bed section E to the box and adapting them to be shifted to the different positions above explained for converting the

25 couch into the bed. For example, Figs. 5 and 6 illustrate a construction in which the bed section E is pivoted at each end to the upper ends of swinging links *h* pivoted at their lower ends to the end of the box A, while the

30 cover B is pivoted at each end to the upper ends of links *i* and *i'*, the lower end of the link *i* being pivoted to the end of the box, and the other link *i'* being jointed and pivoted at its lower end to the lower link *h* for

35 the bed section. The cover can be raised from the horizontal position over the box, shown in Fig. 6, to the inclined position shown in Fig. 5, and held up by the straightened jointed links *i'*, thus permitting the

40 bed section E to be raised out of the box to the horizontal position on top of the box, indicated by broken lines in Fig. 5. In lifting the bed section E the cover will swing downwardly on its connections with the

45 links *i*, and the jointed links *i'* are free to bend and allow the cover to settle to the horizontal position on top of the box beside the bed section E, as indicated by broken lines in Fig. 5. In this construction, as in the

50 one first described, when the couch is converted into the bed, the cover and bed section project substantially like distances beyond the opposite sides of the box so that the weight of the bed bottom is nicely balanced

55 on the box.

I claim as my invention:

1. In a bed couch, the combination of a body, a cover therefor which normally occupies a position over said body, a bed bottom

60 section which normally occupies a position in said body beneath said cover, and means which movably connect said cover and bed section to the body and adapt the same to be moved in opposite directions from their normal

65 positions to positions in which they are

supported side by side on said body and project outwardly beyond the opposite sides of said body, substantially as set forth.

2. In a bed couch, the combination of a box or body, a cover therefor, a bed bottom

70 section, swinging links connecting said cover to said box for moving the cover from a position over the box to a position in which it projects for a portion of its width laterally

75 outward beyond one side of the box, swinging links connecting said bed bottom section to said box for moving said bed bottom section from a position within the box to a position in which it is supported beside said

80 cover and projects for a portion of its width laterally outward beyond the other side of said box, and means for retaining said cover and bed bottom section in said projected positions, substantially as set forth.

3. In a bed couch, the combination of a

85 box or body, an upholstered cover therefor, an upholstered bed bottom section, means connecting said cover to said box for moving the cover from a position over the box to a position in which it projects for a portion of

90 its width laterally beyond one side of the box, and means connecting said bed bottom section to said box for moving said bed bottom section from a position within the box

95 to a position in which it is supported beside said cover and projects for a portion of its width laterally beyond the other side of said box, substantially as set forth.

4. In a bed couch, the combination of a

100 box or body, an upholstered cover therefor, an upholstered bed bottom section, means connecting said cover to said box for moving the cover from a position over the box to a position in which it rests on the box and projects

105 for a portion of its width laterally beyond one side of the box, means connecting said bed bottom section to said box for moving said bed bottom section from a position within the box to a position in which it rests

110 on the box beside said cover and projects for a portion of its width laterally beyond the other side of said box, and means for connecting said cover and bed bottom section to retain them in their projected positions, substantially as set forth.

115

5. In a bed couch, the combination of a box or body, a cover therefor, a bed bottom

120 section, swinging links connecting said cover to said box for moving the cover from a position over the box to an inclined raised position at one side of the box and to a horizontal position in which it projects for a

125 portion of its width laterally beyond one side of the box, means for temporarily retaining said cover in said raised inclined position, swinging links connecting said bed

130 bottom section to said box for moving said bed bottom section from a position within the box to a position in which it is supported beside said cover and projects for a portion



of its width laterally beyond the other side of said box, and means for retaining said cover and bed bottom section in said projected positions, substantially as set forth.

5 6. In a bed couch, the combination of a box or body, a cover therefor, a bed bottom section, swinging links pivoted to the opposite ends of said cover and to the opposite ends of said box for moving said cover from  
10 a position over said box to a position in which it rests on and projects laterally beyond one side of said box, and parallel links pivoted to said box and to said bed bottom

section for moving said bed bottom section from a position within said box to a position 15 in which it rests on the box and projects laterally beyond the opposite side of said box, and releasable means for connecting the adjacent sides of said cover and bed bottom section, substantially as set forth. 20

Witness my hand, this 26th day of June, 1908.

HENRY J. JACOBS.

Witnesses:

AUGUST BECKER,  
M. G. GILBERT.