

L. B. JEFFCOTT.
 CONVERTIBLE COUCH AND BED.
 APPLICATION FILED MAR. 6, 1909.

941,878.

Patented Nov. 30, 1909.

2 SHEETS—SHEET 1.

Fig. 1.

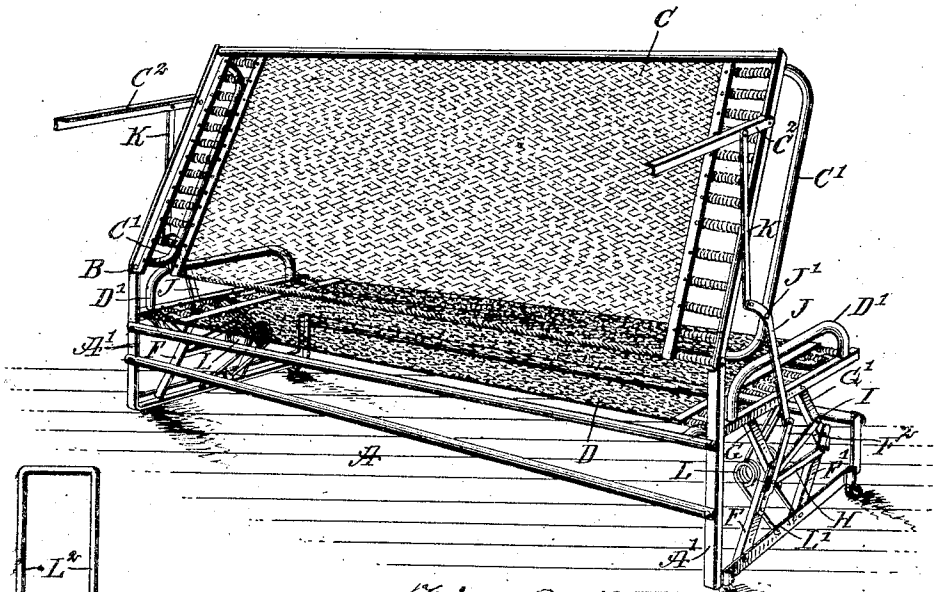


Fig. 2.

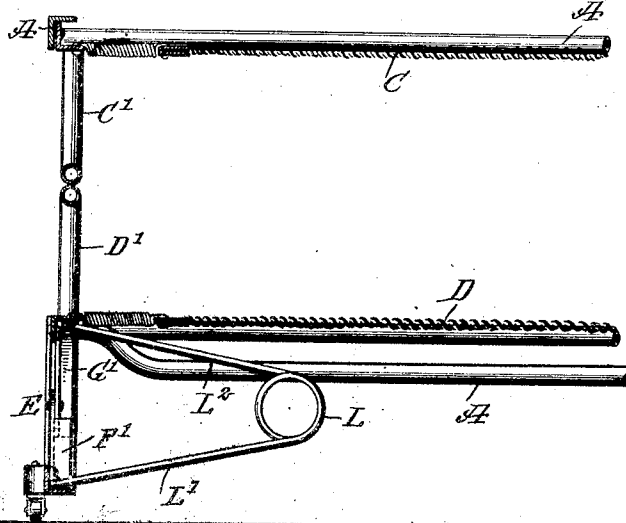
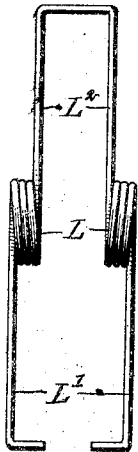


Fig. 5.



WITNESSES

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 3 SHEETS—SHEET 2.

Fig. 3.

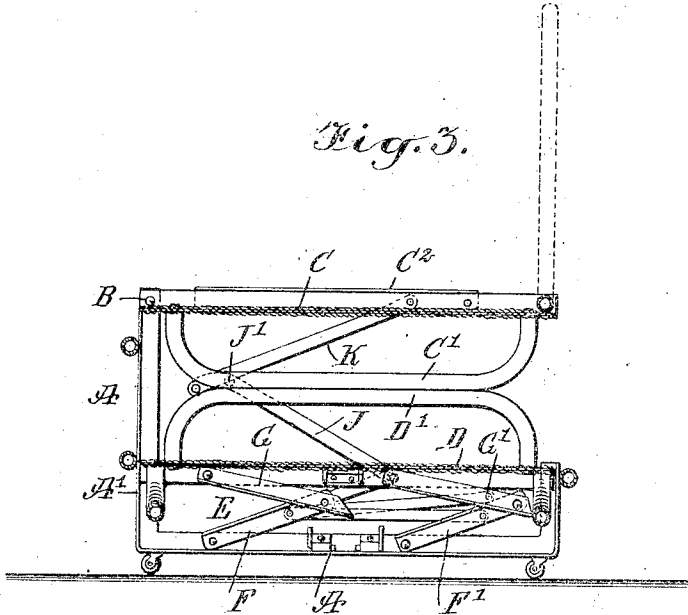
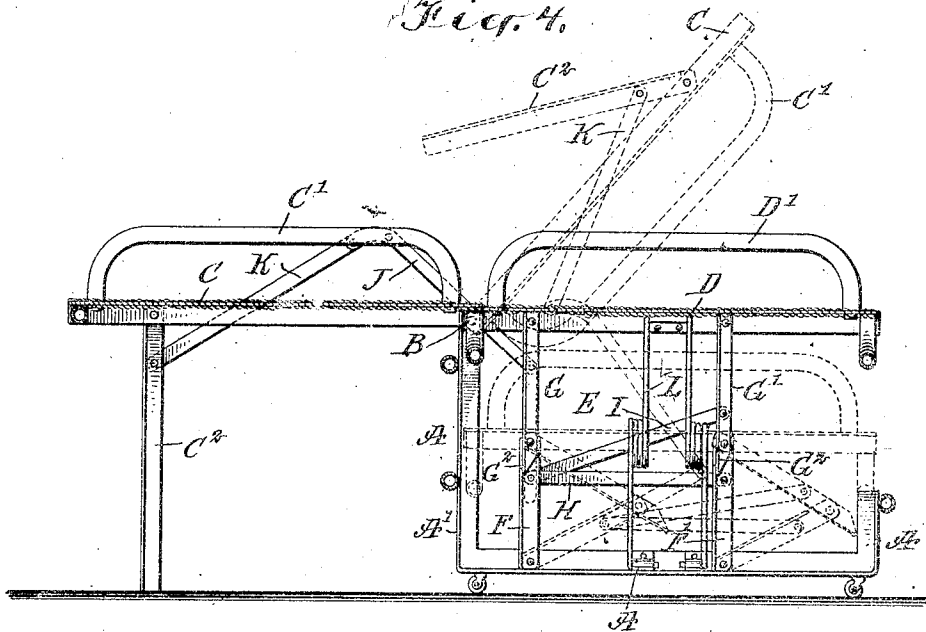


Fig. 4.



WITNESSES

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LEWIS B. JEFFCOTT, OF NEW YORK, N. Y.

CONVERTIBLE COUCH AND BED.

941,878.

Specification of Letters Patent. Patented Nov. 30, 1909.

Application filed March 6, 1909. Serial No. 481,615.

To all whom it may concern:

Be it known that I, LEWIS B. JEFFCOTT, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Convertible Couch and Bed, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved convertible couch and bed, which can be conveniently converted from a couch into a double bed and vice versa, and when in the form of a couch the two bed sections are spaced apart to accommodate the bed sections, and when the bed sections are extended they range one alongside the other to form a double bed. For the purpose mentioned use is made of a frame on which one bed section is pivoted, and the other bed section is adapted to be raised into an active position or lowered into a folded position.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the improvement, showing the parts in a partly folded position; Fig. 2 is an enlarged longitudinal section of the improvement, showing the bed sections folded to form a couch; Fig. 3 is a cross section of the improvement, showing the bed sections folded to form a couch; Fig. 4 is a similar view of the same, showing the bed sections extended to form a double bed; and Fig. 5 is an enlarged plan view of one of the counterbalancing springs for the raising and lowering bed section.

On the posts A' of the frame A is pivoted at B the bed section C, adapted to be swung into an active position, to range alongside the bed section D, as shown in Fig. 4, to form a double bed. The bed section D is adapted to be raised and lowered on the frame A, and when in a lowermost position it is a distance below the other bed section C swung over into a folded position, as shown in Fig. 3, the bed sections C and D being then spaced apart a sufficient distance to permit of storing the bed clothes be-

tween them, the frame A being, for the purpose, open at one side, as plainly indicated at the right in Figs. 3 and 4.

When the bed sections C and D are in the folded position, then the end rails C' of the bed section C rest on top of the end rails D' of the bed section D, as plainly indicated in Fig. 3, to properly sustain the bed section C above the bed section D. The bed section D is connected at its ends with the bottom of the frame A by raising and lowering mechanisms E, each formed of pairs of parallel links F, F', G, G', of which the links F, F' are pivotally connected with the links G, G' and are fulcrumed on the bottom cross bar of the frame A. The links G, G' are pivotally connected with the cross bars of the bed section D, and the links F, F' are pivotally connected with each other by a link H, and a link I connects the link F with the link G' so as to insure a proper closing or opening of the several links, with a view to lower or raise the bed section D in a vertical direction. The links G and G' are provided with extensions G² adapted to abut against projections on the links F and F' at the time the links F, G and F', G' are in a vertical position, so as to prevent the links from opening too far when raising the section D. The link F is provided with an extension F² (see Fig. 1) pivotally connected with one end of a lever J, fulcrumed at J' on the corresponding end rail C', and the lever J is pivotally connected by a link K with a pivoted leg C² held on the corresponding end of the bed section C. Now when the bed section C is swung into open position, the levers J pull on the extensions F² of the links F, so as to cause the raising and lowering device E to move from its folded into an open position, thus raising the bed section D at the time the bed section C is swung over into an extended position. The movement of the bed section C also causes the levers J to act on the links K with a view to swing the legs C² into an open position at the time the bed section C reaches the extended position shown in Fig. 4, thus properly sustaining the outer end of the bed section C from the floor.

It will be noticed that when the bed sec-

tions C and D are in the extended position to form a double bed, as shown in Fig. 4, then the bed section D is held from moving downward, as the pairs of links F, F', G, G' are now in vertical position and are held locked therein by the levers J connected with the rails C' of the bed section C.

In order to counterbalance the bed section D, use is made of coil springs L, one for each end of the bed section, the coil spring L having preferably two coils and shanks L' and L'', of which the shanks L' are attached to the bottom rail of the frame A while the shanks L'' are attached to the cross bar of the bed section D. Now when the bed section D moves into a lowermost position, the springs L are compressed, thus preventing a sudden lowering of the bed section D and a too quick swinging over of the bed section C, as the latter is connected by the levers J and the raising and lowering mechanism E with the bed section D.

When the bed sections C and D are in the folded position and the bed clothes are stored between the said bed sections, then the upper bed section C receives a light mattress and cover, so as to provide a couch, and when the bed sections are extended, as shown in Fig. 4, they range one alongside the other to form a double bed on which the bed clothes are used.

The folding legs C'' may be dispensed with, and in this case the bed section C is provided with a permanent back, serving as legs for supporting the bed sections C when in an extended or double bed position, and forming a back for the couch when the bed section C is in the folded position shown in Fig. 3, the couch then forming a davenport, as indicated in dotted lines in Fig. 3. In this case the lever J is simply a link between the extension F'' and the rail C'.

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

1. A convertible couch and bed comprising a frame, a bed section pivoted thereon, a second bed section, and a raising and lowering mechanism connected with the said frame and the said second bed section for raising and lowering the same, the said bed sections when in extended position ranging one alongside the other to form a double bed, and when in folded position being one above the other and spaced apart to accommodate the bed clothes between them, the bed sections having end rails one resting on the other when the bed sections are in folded position.

2. A convertible couch and bed comprising a frame open at one side, a bed section mounted in the frame to raise and lower and provided with end rails, a second bed section pivoted to the frame and provided

with end rails resting on the end rails of the first named section when the sections are in folded position, and means for raising and lowering the said section from the pivoted section.

3. A convertible couch and bed comprising a frame, a bed section pivoted thereon, a second bed section, a raising and lowering mechanism connected with the said frame and the said second bed section for raising and lowering the same, the said bed sections when in extended position ranging one alongside the other to form a double bed, and when in folded position being one above the other and spaced apart to accommodate the bed clothes between them, the bed sections having end rails, one resting on the other when the bed sections are in folded position, levers connecting the said mechanism with the end rail of the pivoted bed section, folding legs on the said pivoted bed section, and links connecting the folding legs with the said levers.

4. A convertible couch and bed comprising a frame, a bed section in the frame, raising and lowering mechanism for said section, a second section pivoted to the frame and adapted to fold upon the first section or to extend alongside of said section to form a double bed, said pivoted section being provided with hinged legs, and means connecting the pivoted section and its legs with the raising and lowering mechanism, whereby the legs of the pivoted section will be folded or opened and the section in the frame raised or lowered according as the pivoted section is extended or folded.

5. A convertible couch and bed comprising a frame, a bed section in the frame, a raising and lowering mechanism for the section, a second bed section pivoted to the frame and adapted to fold upon the first section or extend alongside of the same to form a double bed, said pivoted section being provided with pivoted legs, means for operating the raising and lowering mechanism from the pivoted bed section, and a connection between the legs and the said means, whereby the legs will be operated thereby.

6. A convertible couch and bed comprising a frame, a bed section in the frame, raising and lowering mechanism for the section, a second bed section pivoted to the frame and adapted to fold upon the first section or to extend alongside of the same to form a double bed, a counterbalancing coiled spring having shanks, one of which is secured to the frame and the other to the bed section in the frame, and means for operating the raising and lowering mechanism from the pivoted bed section.

7. A convertible couch and bed provided with a frame, a pivoted bed section on the said frame, a second bed section, folding

connections between the said frame and the
said second bed section at the ends thereof,
and coil springs each having two coils and
provided with shanks, of which one connects
5 with the frame and the other with the sec-
ond bed section.

In testimony whereof I have signed my

name to this specification in the presence of
two subscribing witnesses.

LEWIS B. JEFFCOTT.

Witnesses:

THEO. G. HOSTER,
JOHN P. DAVIS.