J. LUPPINO.

SWINGING COUCH BED.

APPLICATION FILED MAR. 8, 1909.

931,780. Patented Aug. 24, 1909.

2 SHEETS—SHEET 1

Fig. 1.

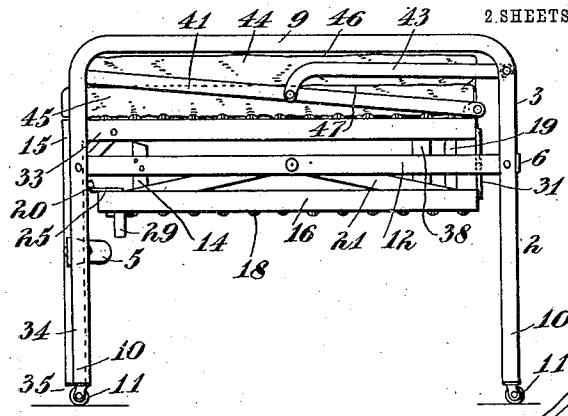


Fig. 2.

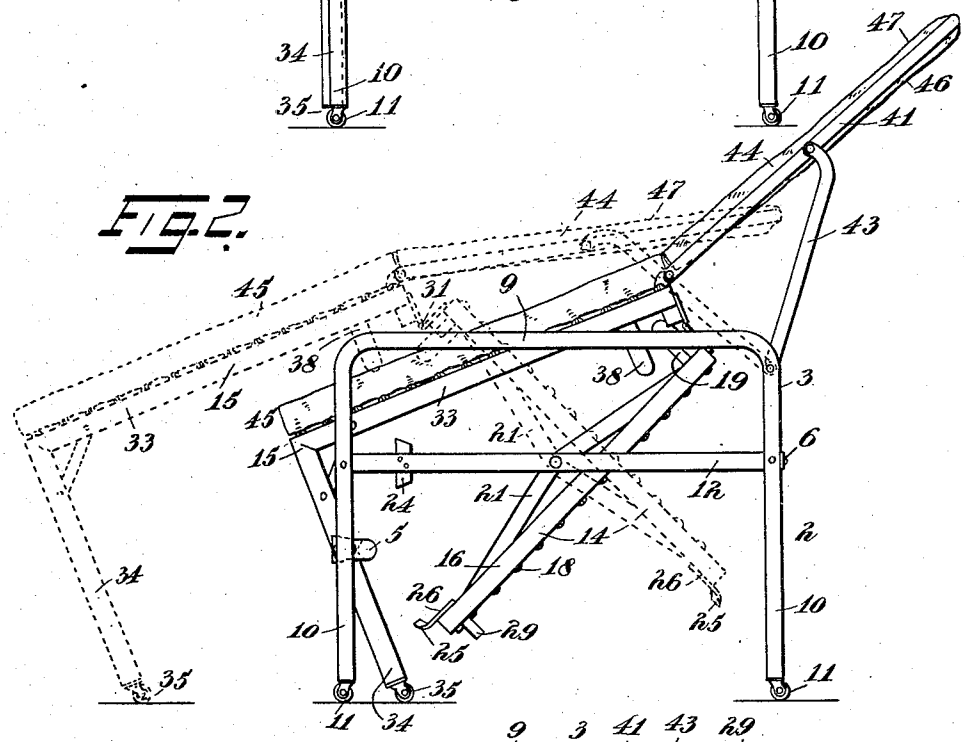
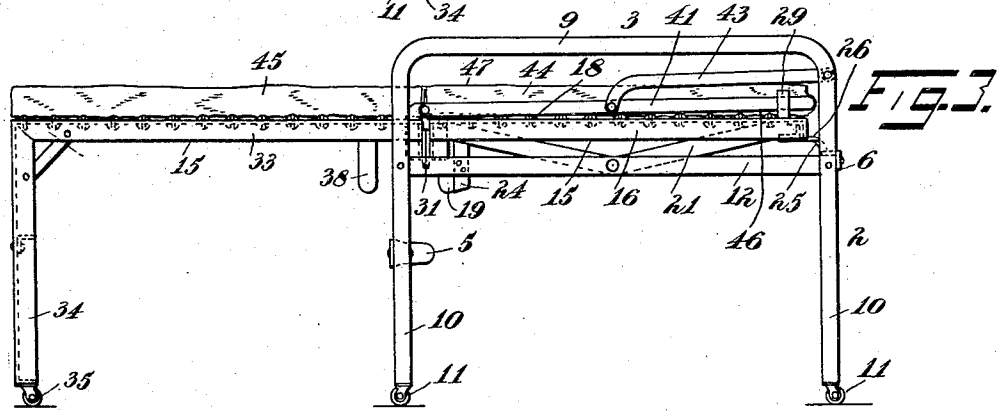


Fig. 3.



Witnesses:

C. C. Frost.

H. D. Penney

Inventor:

Joseph Luppino.

By his Attorney.

F. A. Wickard.

J. LUPPINO.

SWINGING COUCH BED.

APPLICATION FILED MAR. 8, 1909.

931,780.

Patented Aug. 24, 1909.

2 SHEETS—SHEET 2.

FIG. 5.

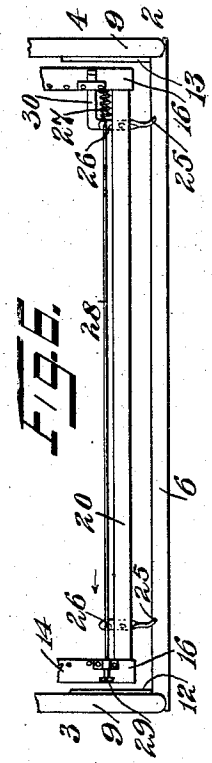


FIG. 3.

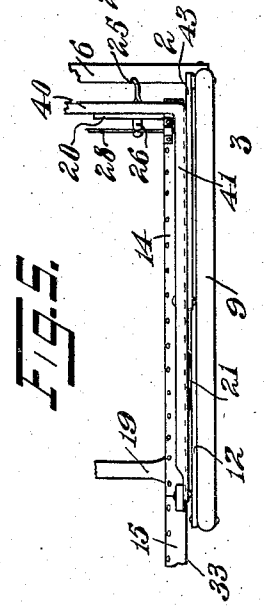
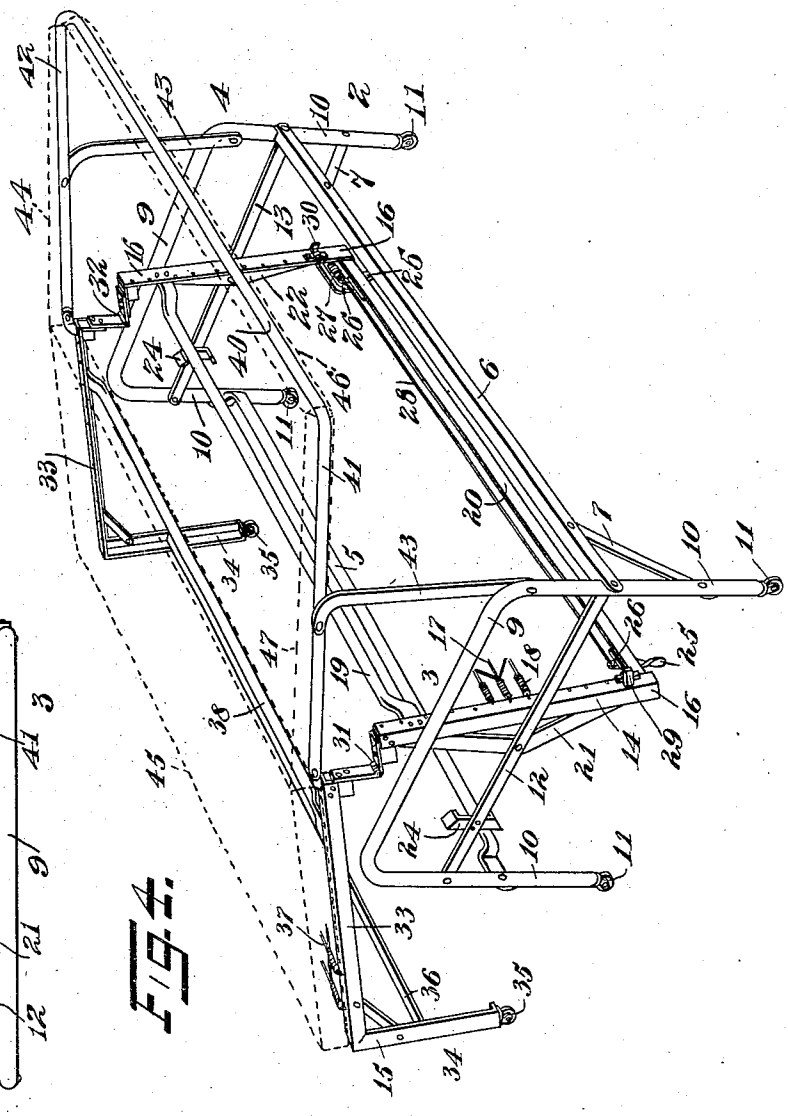


FIG. 4.



Witnesses:

C. C. Fuller.

H. D. Penny

Inventor:

Joseph Luppino,

By his Attorney,

F. H. Richards

UNITED STATES PATENT OFFICE.

JOSEPH LUPPINO, OF RIDGEWOOD, NEW JERSEY, ASSIGNOR TO LUPPINO DAVENPORT COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

SWINGING COUCH-BED.

931,780. Specification of Letters Patent. Patented Aug. 24, 1909.

Application filed March 8, 1909. Serial No. 481,970.

To all whom it may concern:

Be it known that I, JOSEPH LUPPINO, a subject of the King of Italy, residing in Ridgewood, in the county of Bergen and State of New Jersey, have invented certain new and useful Improvements in Swinging Couch-Beds, of which the following is a specification.

The present improvement relates to couch beds, and more particularly to that class of couch beds which may be readily transformed into a single or a double couch or bed, the object of the invention being to provide an improved couch bed made up of a pair of swinging sections, one a reversible section, and which bed may be opened or closed by the swinging of a mattress frame by means of which also the cushion forming the seat of the bed when the structure is in the form of a couch will be reversed to form the stuffed mattress of the reversible section.

A further object of the present improvement is to provide a couch bed of the character described in which the metallic fabrics of the two sections will be level when the structure is in the form of a double bed, but spaced apart one below the other to form a storage space for the bed clothing when the structure is in the form of a couch, and also to permit the top metallic fabric to be swung upward from the under fabric when the structure is in the form of a couch to facilitate the placing of the bed clothing in or removal thereof from the storage space.

In the drawings accompanying and forming part of this specification, Figure 1 is an end view of this improved couch bed folded; Fig. 2 is an end view of the same, showing two positions, one in dotted lines, of the bed sections as they are opened; Fig. 3 is an end view of the bed when completely opened; Fig. 4 is a perspective view of this improved couch bed partly opened; and Figs. 5 and 6 are detail top views of portions of the structure.

Similar characters of reference indicate corresponding parts throughout the different figures of the drawings.

This improved couch bed comprises, in the embodiment shown, a main or supporting frame or section 2 comprising a pair of end frames 3 and 4 connected by suitable side bars or rails 5 and 6, one or both of which may be braced by braces 7 from the end frames. Each end frame may be made up in any suitable manner, but in the embodiment shown it is of tubular construction and comprises a cross bar 9 having integrally connected therewith suitable legs or supports 10, usually provided with casters 11. These legs are shown connected by a pair of end or cross bars 12 and 13. Connected to this main frame, through the medium of one section, is a pair of swinging sections 14 and 15, one of which, as 14, will be herein designated, for the present purposes, as the overturning or reversible section and the other, as 15, the extensible section.

The overturning or reversible frame or section 14 comprises a pair of end or metallic fabric supporting bars 16, to which some suitable yielding mattress support is attached. In the embodiment shown this yielding mattress support is in the form of a metallic fabric 17 connected by suitable coil springs 18 with the mattress supporting bars 16, which are shown as of angle iron formation and may be connected by lengthwise extending bracing bars 19, 20. In the embodiment shown one of these bracing bars, as 19, is of drop formation, whereby it will not interfere with the yielding of the metallic fabric when weight is placed thereon. The bracing bar 20 may also be of the same formation, but in view of the fact that it is located at the rear of the bed, which is usually placed against the wall, this is not essential and it is therefore shown as straight and of angle iron formation. The end or metallic fabric supporting bars 16 are connected to bent or curved bars 21, 22, one at each end, each of which is pivoted centrally thereof to its cross bar 12 or 13 of the end frame. The bars 22 may be of various formations, but are shown downwardly curved for the purpose of raising the metallic fabric somewhat above the cross bars 12 and 13 of the end frames, which cross bars may be bent slightly in the direction of their length, or the bars 21, 22 bent slightly in the direction of their length inward, thereby to facilitate the swinging movement of the reversible section.

In practice suitable rests or supports are provided for the inner ends of the reversible section to rest upon when the structure is in the form of a double bed, these supports 24 being carried by the cross bars 12 and 13 of the end frames 3 and 4 and located in position for the ends of the reversible sec-

tion to rest upon, the rear side of the reversible section being provided with a pair of automatically operative and connected catches 25, one adjacent to each end of the section, for supporting the rear side of the reversible section. In the present instance each of these catches is shown as a swinging member 26 pivoted to the rear of the reversible section 14 and each so formed that it will be automatically shifted as it strikes the underside of the side bar 6 of the main section. These catches are held in their normal locking position by means of a coil spring 27 attached to one end of a connecting rod 28. As it is desirable that both of these catches be unlocked simultaneously, they are connected by the rod 28, which has a handle 29 at one end of the bed for shifting the catches to unlock the overturning or reversible section. At the opposite end of the bed one of the catches is provided with a lever 30 for releasing the catches should the user be at that end of the bed.

When the overturning or reversible section 14 is swung into its level or bed-forming position the catches will automatically engage the top of the side bar 6 and maintain the rear side of the overturning section in its proper level position, at which time the front side thereof will rest on the supports 24 hereinbefore referred to, whereby the section is supported at all four corners in a manner readily understood.

Hinged to the front of the overturning section by means of depending members or straps 31, 32, a pair at each end of the bed, is the extensible frame or section 15 of the bed. This extensible section comprises a pair of end or metallic fabric supporting bars 33, preferably of angle iron formation, having secured thereto at their front ends supports or legs 34 provided with casters 35, which casters at all times rest upon the floor and thus support the front ends of the extensible section when the structure is in the form of a couch, the sections being otherwise supported in their proper level positions by the reversible section. The legs 34 are suitably connected by side bars 36. Stretched between the mattress supporting bars 33 of the extensible section is a metallic fabric 37. Any suitable yielding mattress supporting means could be used instead of the metallic fabric shown if preferred.

The length of the depending members 31, 32 determines the distance one metallic fabric will be above the other when the bed is in the form of a couch, and therefore determines the space which may be devoted to the storage of bed clothing, this space being equivalent to substantially twice the length of one of such depending members. The metallic fabric supporting bars or end frames of the extensible section are shown connected at their rear ends by drop formed braces or bars 38 for the purpose of stiffening the extensible section.

In a bed such as hereinbefore described, it will be obvious that the reversible section must carry a stuffed mattress or cushion, which would be underneath the bed when the latter is in the form of a couch, and in this position immediately above the floor it would become dusty and dirty. Not only this, but it will also be observed that the stuffed mattress or cushion carried by the extensible section would form the couch seat when the bed is in the form of a couch and also form the stuffed mattress of one section, the extensible section, when the bed is in the form of a double bed, so that the same side of the mattress would have to be utilized both as a couch seat and as the top of one half of the bed, which is objectionable. Furthermore, if the stuffed mattress is carried by the reversible section, obviously the weight thereof is materially increased, so that the operation of the bed becomes more difficult of manipulation by a woman. Moreover, in a bed such as described it is necessary that it be opened or closed by grasping the front of the extensible section midway of the length thereof, whereas it is frequently desirable to operate the same from the end of the structure.

To do away with the serious disadvantages mentioned, I have provided a swinging mattress frame comprising a swinging bar 40 having end bars 41 and 42 pivotally connected at the rear of the extensible section 15 and connected by links 43 adjacent to the rear of the main section or supporting frame 2. This swinging mattress frame carries one half 44 of a stuffed mattress, to which it may be fixedly connected at its outer edge, the other half 45 of which is fixedly secured to the extensible section. This mattress may be an ordinary book mattress. When the bed is in the form of a couch it will be observed that the side 46 of the folding mattress is uppermost and forms the seat of the couch. When, however, the structure is in the form of a double bed, it will be observed that the opposite side 47 of the folding mattress is uppermost and level with the stuffed mattress 45 of the extensible section, so that by means of this swinging mattress carrying frame not only are the swinging sections of the bed operated into open or closed position, but the stuffed mattresses are opened and closed, so that the same side of the stuffed mattress which forms the seat of the couch is not also used to sleep upon. Moreover, both halves of the stuffed mattress are carried on top of the bed, where it can be readily covered with a couch cover, and not one of them on the underside of the reversible section and near the floor, where it would quickly become

dusty and dirty and where it could not be covered with a couch cover. Furthermore, this organization obviates the necessity, as hereinbefore stated, of carrying one half of the stuffed mattress on the reversible section, and therefore enables the reversible section to be more easily operated by a woman. It will also be observed that this swinging mattress frame not only does away with all the disadvantages specified, but does not materially increase the expense of manufacture, since no additional stuffed mattress is necessary and therefore the only additional cost is the provision of the swinging frame and links, a comparatively small item.

In operating this bed, when the structure is in the form of a couch bed, as in Fig. 1, it will be observed that the reversible section has been reversed, while the extensible section is above it with the two halves of the folding stuffed mattress resting thereon. In this position of the bed sections the front of the extensible section may be swung upward on its hinge connection with the reversible section for the placing or removal of the bed clothing in the storage space, after which the extensible section may be swung down to close the storage space and form the couch. When, however, it is desired to form the structure into a double bed, the bed clothing is first removed from the storage space in the manner described and the swinging mattress frame grasped at either end and thrown backward to the position shown in full lines in Fig. 2, whereupon the rear of the extensible section is lifted and such section pushed forward on its casters upon the floor, this operation reversing the overturning section upon its pivots until the metallic fabric thereof is brought to the upper side and level with the extensible section, in which position the spring actuated catches engage the side bar of the main section and lock such reversible section in its level position and in position to receive on top thereof the swinging mattress frame and its stuffed mattress in a manner which will be readily understood, that side of the stuffed mattress which forms the seat of the couch when the structure is in the form of a divan resting upon the reversible section while the inner side of such stuffed mattress is in position to sleep upon.

To transform the bed into a couch, it is merely necessary to release the catches from either end of the bed and throw forward the swinging mattress frame, whereby the reversible section will be turned over on its pivots and draw in the extensible section to form the couch, as shown in Fig. 1.

It will be observed that the present construction is such that the frames or sections may be made entirely of metal throughout, thus providing a metal formed structure. In practice the metallic fabrics of the extensible and reversible sections or frames could be joined together or formed as one if preferred without in any way changing the structure. It will also be observed that in the present improvement the extensible section rests upon the reversible section and is not overturned or reversed therewith, so that it is not swung underneath the reversible section when the structure in the form of a couch, the reversible section being the only one that is reversed. In consequence of this the extensible section may have its legs or feet fixed or stationary so that they can always rest and move upon the floor, thus insuring a more practicable structure and one that can be more easily manipulated by a woman. Further, it will also be observed that the swinging frame or section swings on to the reversible section when the structure is in the form of a double bed, and not on to the extensible section, and therefore swings toward and rests on the extensible section itself when the structure is in the form of a couch.

I claim as my invention:

1. In a couch bed, the combination of a main frame, a reversible section pivotally connected thereto, an extensible section hinged to said reversible section and shiftable toward and from the main frame to overturn said reversible section, and means connected to a pair of said sections and operative to transform the structure into a double bed or a couch, said means being shiftable on to the extensible section when the structure is in the form of a couch.

2. In a couch bed, the combination of a main section, a reversible section pivotally connected thereto, an extensible section hinged to said reversible section and shiftable toward and from the main section to overturn said reversible section, and swinging means connected to a pair of said sections and operative to transform the structure into a double bed or a couch, and means for holding the reversible section in a level position when the structure is in the form of a couch.

3. In a couch bed, the combination of a main section, a reversible section pivotally connected thereto, an extensible section hinged to said reversible section and shiftable toward and from the main section to overturn such reversible section, and a swinging mattress frame connected to a pair of said sections and operative to transform the structure into a double bed or a couch and swinging away from the extensible section to form a double bed.

4. In a couch bed, the combination of a main frame, a reversible section pivotally connected thereto, an extensible section hinged to said reversible section and shiftable toward and from the main section to overturn such reversible section, and spaced

apart therefrom to form a storage space when the structure is in the form of a couch and shiftable means hingedly connected to the main and extensible sections and operative to transform the structure into a double bed or a couch.

5. In a couch bed, the combination of a main section, a reversible section pivotally connected thereto, an extensible section hinged to said reversible section and shiftable toward and from the main section to overturn such reversible section, and swinging means connected adjacent to the rear of both the extensible and main sections and operative to transform the structure into a double bed or a couch and swinging away from the extensible section to form a double bed.

6. In a couch bed, the combination of a main section, a reversible section pivotally connected thereto, an extensible section hinged to said reversible section and shiftable toward and from the main section to overturn such reversible section, and a swinging mattress frame connected to the extensible and main sections and operative to transform the structure into a double bed or a couch, and means for holding the reversible section in its double bed forming position.

7. In a couch bed, the combination of a main section, a reversible section pivotally connected thereto, an extensible section hinged to said reversible section and shiftable toward and from the main section to overturn such reversible section, and spaced apart therefrom to form a storage space when the structure is in the form of a couch, and a swinging mattress frame connected to the rear of both the extensible and main sections and operative to transform the structure into a double bed or a couch.

8. In a couch bed, the combination of a main section, a reversible section pivotally connected thereto, an extensible section hinged to said reversible section and shiftable toward and from the main section to overturn such reversible section, a swinging mattress frame connected to a pair of said sections and operative to transform the structure into a double bed or a couch and swinging away from said extensible section to form a double bed, and a stuffed mattress carried by the extensible section and by said mattress frame, the latter stuffed mattress reversible on the swinging of said frame.

9. In a couch bed, the combination of a main section, a reversible section pivotally connected thereto, an extensible section hinged to said reversible section and shiftable toward and from the main section to overturn such reversible section, and spaced apart therefrom to form a storage space when the structure is in the form of a couch, a swinging mattress frame connected to the extensible and main sections and operative to transform the structure into a double bed or a couch, and a stuffed mattress carried by the extensible section and by said mattress frame, the latter stuffed mattress reversible on the swinging of said frame.

10. In a couch bed, the combination of a main section, a reversible section pivotally connected thereto, an extensible section hinged to said reversible section and shiftable toward and from the main section to overturn such reversible section, a swinging mattress frame connected to the rear of both the extensible and main sections and operative to transform the structure into a double bed or a couch, a stuffed mattress carried by the extensible section and by said mattress frame, the latter stuffed mattress reversible on the swinging of said frame, and means for locking the reversible section in its double bed forming position.

11. In a couch bed, the combination of a main section, a reversible section pivotally connected thereto, an extensible section hinged to said reversible section and shiftable toward and from the main section to overturn such reversible section, a swinging mattress frame connected to a pair of said sections and operative to transform the structure into a double bed or a couch and swinging on to the extensible section when the structure is in the form of a couch and away therefrom when the structure is in the form of a double bed, and a book mattress one part secured to the extensible section and the other part to the mattress frame and reversible on the swinging of said frame.

12. In a couch bed, the combination of a main section, a reversible section pivotally connected thereto, an extensible section hinged to said reversible section and shiftable toward and from the main section to overturn such reversible section, means connected to a pair of said sections and operative to transform the structure into a double bed or a couch, and means for automatically locking the reversible section in its bed-forming position.

13. In a couch bed, the combination of a main section, a reversible section pivotally connected thereto, an extensible section hinged to said reversible section and shiftable toward and from the main section to overturn said reversible section, swinging means connected to a pair of said sections and operative to transform the structure into a double bed or a couch, and locking means for the reversible section automatically operated at a predetermined time.

14. In a couch bed, the combination of a main section, a reversible section pivotally connected thereto, an extensible section hinged to said reversible section and shiftable toward and from the main section to overturn such reversible section, a swinging

mattress frame connected to a pair of said sections and operative to transform the structure into a double bed or a couch, and means for automatically locking the reversible section in its bed-forming position.

15. In a couch bed, the combination of a main section, a reversible section pivotally connected thereto, an extensible section hinged to said reversible section and shiftable toward and from the main section to overturn such reversible section, a swinging mattress frame connected to a pair of said sections and operative to transform the structure into a double bed or a couch, a book mattress one part secured to the extensible section and the other part to the mattress frame and reversible on the swinging of said frame, and means for automatically locking the reversible section in its bed-forming position.

16. In a couch bed, the combination of a main section, a reversible section pivotally connected thereto, an extensible section hinged to said reversible section and shiftable toward and from the main section to overturn said reversible section, means connected to a pair of said sections and operative to transform the structure into a double bed or a couch, and manually released means for automatically locking the reversible section in its bed-forming position.

17. In a couch bed, the combination of a main section, a reversible section pivotally connected thereto, an extensible section hinged to said reversible section and shiftable toward and from the main section to overturn said reversible section, swinging means connected to a pair of said sections and operative to transform the structure into a double bed or a couch, and locking means for the reversible section manually operated at one time and automatically operated at another time.

18. In a couch bed, the combination of a main section, a reversible section pivotally connected thereto, an extensible section hinged to said reversible section and shiftable toward and from the main section to overturn such reversible section, a swinging mattress frame connected to a pair of said sections and operative to transform the structure into a double bed or a couch, and manually released means for automatically locking the reversible section in its bed-forming position.

19. In a couch bed, the combination of a main section, a reversible section pivotally connected thereto, an extensible section hinged to said reversible section and shiftable toward and from the main section to overturn such reversible section, a swinging mattress frame connected to a pair of said sections and operative to transform the structure into a double bed or a couch, a book mattress one part secured to the extensible section and the other part to the mattress frame and reversible on the swinging of said frame, and manually released means for automatically locking the reversible section in its bed-forming position.

20. In a couch bed, the combination of a main section, a reversible section pivotally connected thereto, an extensible section hinged to said reversible section and having feet at its outer end adapted to move on the floor, said extensible section shiftable toward and from the main section to overturn the reversible section, swinging means connected to a pair of said sections and operative to transform the structure into a double bed or a couch, and shiftable on to the extensible section when the structure is in the form of a couch and away therefrom when the structure is in the form of a double bed.

21. In a couch bed, the combination of a main section, a reversible section pivotally connected thereto, an extensible section hinged to said reversible section and having feet at its outer end adapted to move on the floor, said extensible section shiftable toward and from the main section to overturn the reversible section, swinging means connected to a pair of said sections and operative to transform the structure into a double bed or a couch, and a stuffed mattress carried by said swinging means and adapted to rest on the extensible section when the structure is in the form of a couch and to rest on the reversible section when the structure is in the form of a double bed.

22. In a couch bed, the combination of a main section, a reversible section pivotally connected thereto, an extensible section hinged to said reversible section and shiftable toward and from the main section to overturn the reversible section, and a two-part stuffed mattress carried by the extensible section when the bed is in the form of a couch and having a part thereof shiftable on to the reversible section when the structure is in the form of a double bed.

23. In a couch bed, the combination of a main section, a reversible section pivotally connected thereto, an extensible section hinged to said reversible section and shiftable toward and from the main section to overturn the reversible section, a two-part stuffed mattress carried by the extensible section when the bed is in the form of a couch and having a part thereof shiftable on to the reversible section when the structure is in the form of a double bed, and means for throwing the shiftable part of said mattress on to the reversible section or on to the other part of said mattress, when the structure is in the form of a couch.

24. In a couch bed, the combination of a main section, a reversible section pivoted thereto and having a metallic fabric, an extensible section hinged at its rear to said re-

versible section and also having a metallic fabric and shiftable toward and from the main section to overturn the reversible section thereby to form either a couch or a double bed with the metallic fabrics spaced apart to form a storage space when the structure is in the form of a couch, and a two-part stuffed mattress carried by the extensible section when the bed is in the form of a couch and having a part thereof shiftable on to the reversible section when the structure is in the form of a double bed.

25. In a couch bed, the combination of a main section, a reversible section pivoted thereto and having a metallic fabric, an extensible section hinged at its rear to said reversible section and also having a metallic fabric and shiftable toward and from the main section to overturn the reversible section thereby to form either a couch or a double bed, with the metallic fabrics spaced apart to form a storage space when the structure is in the form of a couch, a two-part stuffed mattress carried by the extensible section when the bed is in the form of a couch and having a part thereof shiftable on to the reversible section when the structure is in the form of a double bed, and means for throwing one part of said stuffed mattress on to the reversible section at one time and on to the extensible section when the structure is in the form of a couch.

26. In a couch bed, the combination of a main section comprising a pair of connected end frames, a reversible bed section pivotally secured at its ends to said end frames, an extensible section having fixed legs at its front side adapted to move on the floor and hinged at its rear side to the front side of said reversible section when the structure is in the form of a double bed, means for automatically locking the reversible section in its bed-forming position, the said extensible and reversible sections having a storage space therebetween when the structure is in the form of a couch, and a two-part stuffed mattress carried by the extensible section when the bed is in the form of a couch and having a part thereof shiftable on to the reversible section when the structure is in the form of a double bed.

27. In a couch bed, the combination of a main section comprising a pair of connected end frames, a reversible bed section pivotally secured at its ends to said end frames, an extensible section having legs at its front side adapted to move on the floor and hinged at its rear side to the front side of said reversible section when the structure is in the form of a double bed, means for automatically locking the reversible section in its bed-forming position, the said extensible and reversible sections having a storage space therebetween when the structure is in the form of a couch, a two-part stuffed mattress carried by the extensible section when the bed is in the form of a couch and having a part thereof shiftable on to the reversible section when the structure is in the form of a double bed, and means for throwing one part of said stuffed mattress on to the reversible section or on to the extensible section.

28. In a couch bed, the combination of a main section comprising a pair of connected end frames, a reversible bed section pivotally secured at its ends to said end frames, an extensible section having fixed legs at its front side adapted to move on the floor and hinged at its rear side to the front side of said reversible section when the structure is in the form of a double bed, manually releasable means for automatically locking the reversible section in its bed-forming position, the said extensible and reversible sections having a storage space therebetween when the structure is in the form of a couch, and a two-part stuffed mattress carried by the extensible section when the structure is in the form of a couch and having a part thereof shiftable on to the reversible section when the structure is in the form of a double bed.

29. In a couch bed, the combination of a main section, a reversible section pivotally connected to said main section, an extensible section hinged at its rear side to said reversible section, each of said sections having a metallic fabric and forming a storage space therebetween when the structure is in the form of a couch, the extensible section swinging toward and from the reversible section when the structure is in the form of a couch thereby to permit access to the storage space between said metallic fabrics, and a two-part stuffed mattress carried by the extensible section when the bed is in the form of a couch and having a part thereof shiftable on to the reversible section when the structure is in the form of a double bed.

30. In a couch bed, the combination of a main section, a reversible section pivotally connected to said main section, an extensible section hinged at its rear side to said reversible section, each of said sections having a metallic fabric and forming a storage space therebetween when the structure is in the form of a couch, the extensible section swinging toward and from the reversible section when the structure is in the form of a couch thereby to permit access to the storage space between said metallic fabrics, a two-part stuffed mattress carried by the extensible section when the bed is in the form of a couch and having a part thereof shiftable on to the reversible section when the structure is in the form of a double bed, and means for throwing one part of said mattress on to the reversible section or on to the extensible section as the structure is transformed into a double bed or a couch.

31. In a couch bed, the combination of a main section, a reversible section pivotally connected to said main section, an extensible section hinged at its rear side to said reversible section, each of said sections having a metallic fabric and forming a storage space therebetween when the structure is in the form of a couch, the extensible section swinging toward and from the reversible section when the structure is in the form of a couch thereby to permit access to the storage space between said metallic fabrics, a two-part stuffed mattress carried by the extensible section when the bed is in the form of a couch and having a part thereof shiftable on to the reversible section when the structure is in the form of a double bed, means for throwing one part of said mattress on to the reversible section or on to the extensible section as the structure is transformed into a double bed or a couch, and manually releasable means for automatically locking the reversible section in its bed-locking position.

32. In a couch bed, the combination of a main frame, a reversible mattress section pivotally connected thereto, an extensible section permanently supported on the floor and hinged to the reversible section, a swinging frame hinged to the extensible section and connected to the main frame and effective to swing away from the extensible section and transform the structure into a double bed, and mattresses carried by said extensible section and said swinging frame.

33. In a couch bed, the combination of a main frame, a reversible mattress frame pivotally connected thereto, an extensible section supported on the floor and hinged to the reversible frame, a swinging frame hinged to the extensible section and connected to the main section, a two-part mattress carried by said extensible section and said swinging frame and opened or closed simultaneously with the transformation of the structure into a double bed or a couch on the swinging of said mattress frame, means for supporting said reversible frame when shifted with the extensible section to form a double bed, and means for locking it in such position.

34. In a metal formed couch bed, the combination of a main frame made up of connected metal formed end frames, a reversible metal formed frame pivotally connected to the main frame, an extensible metal formed frame hinged to said reversible frame to be above it when the structure is in the form of a couch and shiftable toward and from the main frame to overturn said reversible frame, and means connected to a pair of said frames in all positions of the same and operative to transform the structure into a double bed or a couch.

35. In a couch bed, the combination of a main frame, a reversible frame pivotally connected thereto, an extensible frame hinged to said reversible frame and shiftable toward and from the main frame to overturn said reversible frame, means pivotally connected to a pair of said frames and operative to transform the structure into a double bed or a couch, and means engaging the reversible frame when the structure is in the form of a double bed for limiting further movement thereof.

36. In a couch bed, the combination of a main frame, a reversible frame pivotally connected thereto, an extensible frame hinged to said reversible frame and shiftable toward and from the main frame to overturn said reversible frame, means pivotally connected to a pair of said frames and operative to transform the structure into a double bed or a couch, and means engaging the reversible frame when the structure is in the form of a couch for limiting further movement thereof.

37. In a couch bed, the combination of a main frame, a reversible frame pivotally connected thereto, an extensible frame hinged to said reversible frame and shiftable toward and from the main frame to overturn said reversible frame, means pivotally connected to a pair of said frames and operative to transform the structure into a double bed or a couch, and means for engaging the reversible frame in either position of said frame to limit further movement thereof.

38. In a couch bed, the combination of a main frame, a reversible frame pivotally connected thereto, an extensible frame hinged to said reversible frame and shiftable toward and from the main frame to overturn said reversible frame, means connected to a pair of said frames and operative to transform the structure into a double bed or a couch, means engaging the reversible frame when the structure is in the form of a double bed for limiting further movement thereof, and means for locking the reversible frame in one of its positions.

39. In a couch bed, the combination of a main frame, a reversible frame pivotally connected thereto, an extensible frame hinged to said reversible frame and shiftable toward and from the main frame to overturn said reversible frame, means connected to a pair of said frames and operative to transform the structure into a double bed or a couch, means engaging the reversible frame when the structure is in the form of a double bed for limiting further movement thereof, and means for locking the reversible frame when in its double bed forming position.

40. In a couch bed, the combination of a main section, a reversible section pivotally connected to said main section, an extensible section hinged at its rear side to said re-

versible section, said sections having a yielding mattress supporting means, and swinging means connected to said extensible and reversible sections to transform the structure into the form of a couch or a double bed and swinging toward the extensible section when the structure is in the form of a couch and toward the reversible section when the structure is in the form of double bed.

41. In a couch bed, the combination of a main section, a reversible section pivotally connected to said main section, an extensible section hinged at its rear side to said reversible section, said sections having a yielding mattress supporting means, swinging means connected to said extensible and reversible sections to transform the structure into the form of a couch or a double bed and swinging toward the extensible section when the structure is in the form of a couch and toward the reversible section when the structure is in the form of a double bed, and a stuffed mattress carried by said swinging means, said extensible and reversible sections spaced apart to form a storage space therebetween when the structure is in the form of a couch.

JOSEPH LUPPINO.

Witnesses:
C. A. WEED,
F. E. BOYCE.