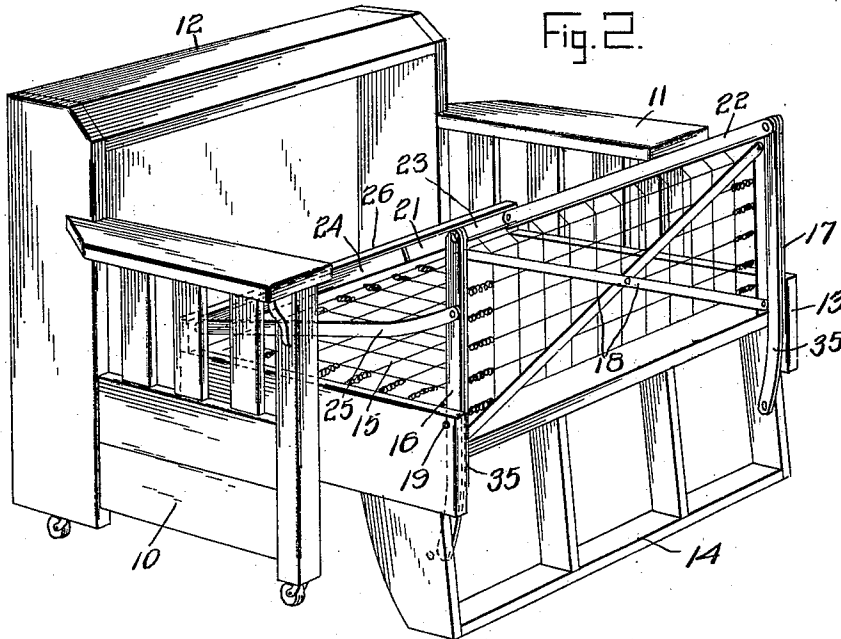
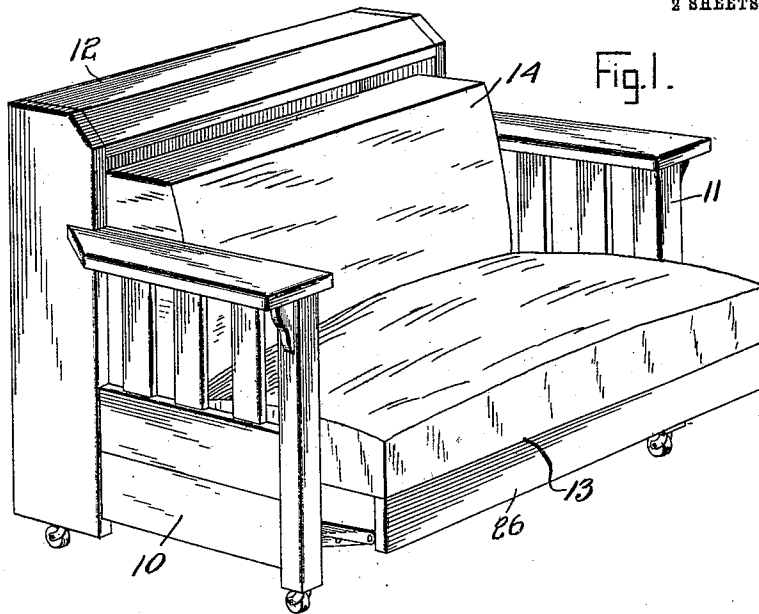


F. L. ANDREN.  
 SETTEE BED.  
 APPLICATION FILED SEPT. 3, 1910.

992,469.

Patented May 16, 1911.

2 SHEETS—SHEET 1.



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Witnesses  
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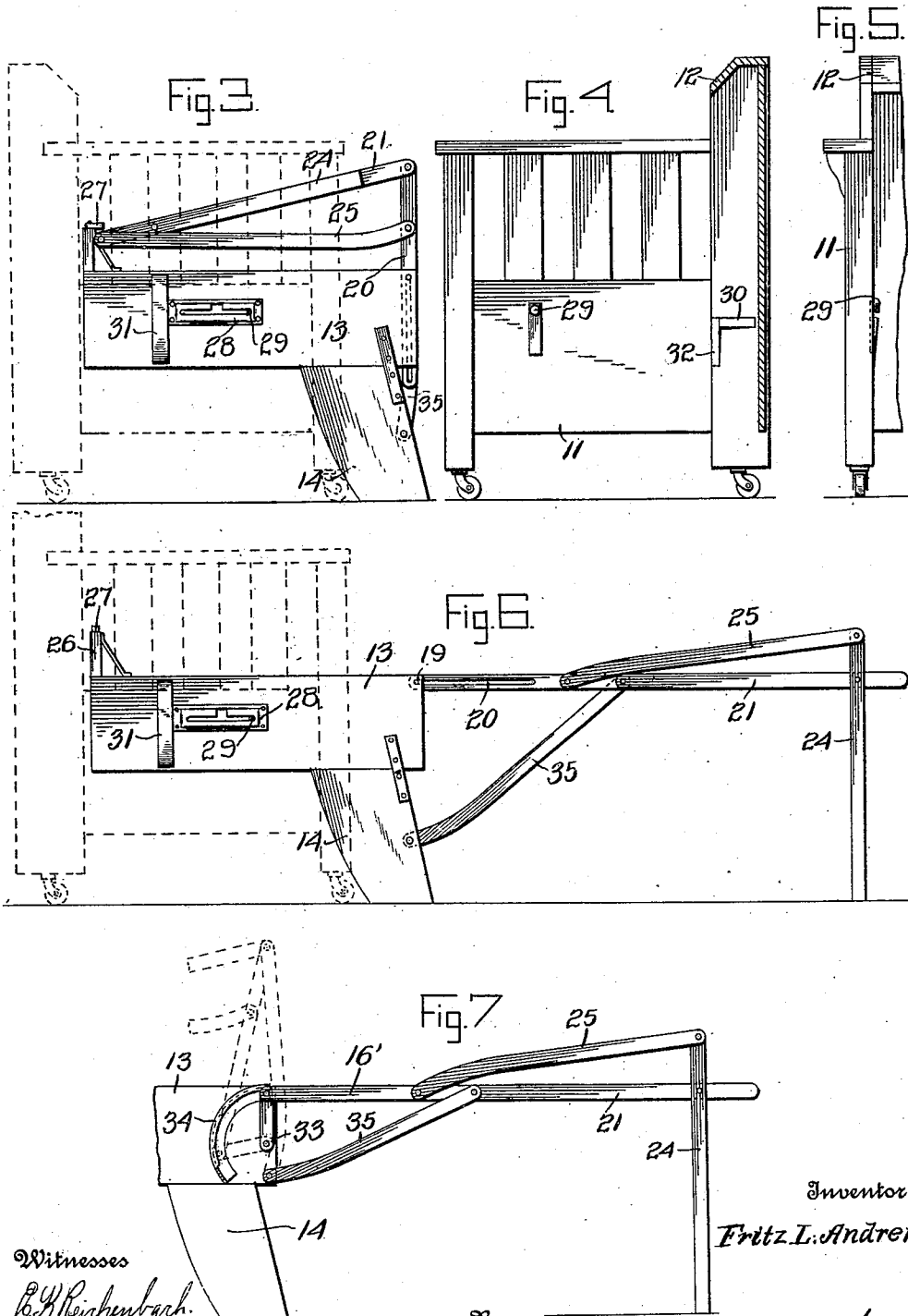
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# UNITED STATES PATENT OFFICE.

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SETTEE-BED.

992,469.

Specification of Letters Patent.

Patented May 16, 1911.

Application filed September 3, 1910. Serial No. 580,396.

*To all whom it may concern:*

Be it known that I, FRITZ L. ANDREN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Settee-Beds, of which the following is a specification.

This invention relates to an improvement in furniture, and particularly to that class of furniture wherein a settee, couch or sofa is convertible into a bed, and has for its object the production of such a piece of furniture that will in one form be a comfortable settee, and which will be readily and easily transformable into a comfortable bed.

Another object is to make the transition from settee to bed and from bed to settee expeditiously and by simply unfolding the parts in the production of the bed and folding them up again in the return of the bed to the form of a settee.

With these objects in view the invention consists in the structure of parts and their combination and association and in the general relative relationship of movable parts to one another and to the frame in which they are mounted, substantially as herein-after described and claimed.

In the accompanying drawings Figure 1 represents in perspective the settee embodying and embracing the present invention, the seat and back portion having been pulled forward ready for unfolding the parts which shall comprise the bed; Fig. 2 shows in perspective the seat with its attached back portion inverted and the bed sections awaiting unfolding; Fig. 3 is an end elevation of the seat portion and appurtenances in inverted position, their relationship to the frame of the settee being indicated by representing a portion of said frame in dotted lines; Fig. 4 is an elevation of the inside of one of the end pieces of the frame; Fig. 5 is a front elevation of said end frame; Fig. 6 is an end elevation of the parts unfolded into bed form; and Fig. 7 is a detail representing in end elevation a modification.

In the drawings 10 indicates one end frame, 11 the other and 12 the back of the frame of this settee bed. The seat portion with its cushion is represented at 13 and the back portion at 14, the two being connected together in any suitable manner and the back portion serving, in lieu of legs, as a

support for the outer edge of the seat portion when the parts are in bed form. The upholstered portion of the settee is not used as a part of the bed surface, but the bed surface is formed entirely independently thereof. In the present instance one part of the bed surface is formed on the under side of the seat portion as indicated at 15; another part is formed on an intermediate section consisting of links 16 and 17 braced apart by stays 18 and pivoted preferably to the seat portion 13 on pins indicated at 19. The pivotal connection of the links 16 and 17 with the pins 19 is preferably by means of slots 20 in said links to enable this intermediate section to take its required position when the parts are folded. To the free ends of the links 16 and 17 is hinged the terminal section of the bed, of which the side rails are represented at 21 and 22. These rails are connected by a cross-piece indicated at 23. Any suitable legs may be attached to the free end of this terminal section, but automatically folding legs are preferred. Such are represented in the drawing at 24 as pivoted respectively to the side rails 21 and 22 and are operated through the agency of links 25 pivoted to the upper ends of said legs and to the links 16 and 17 of the intermediate section. To the under side of the seat portion there is also attached a pillow rest 26, which also serves as a suitable location for a button 27, to be turned over the end rail 23 of the terminal section for holding said sections in folded position. This part 26 is also the front-board of the settee.

The connection of the seat portion and its appurtenances to the frame of the settee may be made in any suitable manner so long as it permits of the free and easy inversion thereof. The form of attaching means illustrated consists preferably of a slotted plate 28 attached to each end of the seat portion and a headed pin 29 attached to each end frame 10 and 11. The slot in said frame is enlarged at one place, as indicated, for the insertion of the co-acting pin. This form of attaching means provides for sliding the seat portion and its appurtenances forward in the settee frame sufficiently to permit the back portion and the bed sections at the under side of the seat portion to swing free from and completely clear the back of the settee frame during inversion in converting the settee into bed form and in returning

the bed to settee form. As before stated, the back portion 14 serves as a support for the free edge of the seat portion when in bed form. As support for the seat portion and appurtenances when in settee form, ledges as 30 are provided upon the end frames, as indicated in Fig. 4. To hold the seat portion rigidly in position in the settee frame wedging blocks or distance pieces 31 are secured to the sides of the end pieces of the seat portion and similar distance pieces 32 are secured to the end frames. The frames of the intermediate and terminal sections of the bed are preferably made from angle-iron as is usual in this line of furniture and any suitable form of bed-bottom fabric may be used in these sections and in the section formed on the under side of the seat portion.

In the manipulation of this settee bed in converting it from settee form into bed form, the front-board of the settee portion is grasped by the operator and the seat portion with its appurtenances drawn forward as indicated in Fig. 1, this movement being provided for by the slotted plate and pin connection described and when the rear edge of the seat frame clears the stops 30 and the back portion has cleared the back frame of the settee, then the parts moved may be inverted into the position seen in Fig. 2. The button 27 is then turned aside and the terminal frame lifted forward, in which act the intermediate frame turns down into horizontal position and as it and the terminal frame reach such position the legs 24, thrown out by the links 25, support the free edge of the terminal section. In restoring the settee bed to settee form the reverse of these movements is executed.

The proportion of parts and their form and relation to one another may obviously be varied from the disclosures above made, for example, instead of slotting the side rails of the intermediate section for their attachment to the seat frame such attachment may be made as indicated in Fig. 7, wherein the side rails of the intermediate section are represented as pivoted to links 33 and these links to the ends of the seat frame 13. To guide the movable end of the link 33, and therefore the inner end of the side rails 16' pivoted thereto, an arc-guide 34 is attached to the end of the seat frame, the edge of which is rolled over to form a keeper for said end. This is illustrated in Fig. 7 where the rolled-over edge of the arc 34 is shown broken away. This mode of attaching the intermediate section to the seat frame also provides for connecting the lower ends of the braces 35 to the seat frame itself instead of to the frame of the back portion 14 as indicated in Figs. 2, 3 and 6. This brace is a support for the joint between the intermediate section and the terminal section and

also serves as a directing link in the folding and unfolding of the said sections.

The invention claimed is:—

1. In a settee bed, the combination with the settee frame of a seat portion having a back portion attached thereto, pivots connecting the ends of the seat portion to the ends of the settee frame near the middle thereof whereby the seat portion and its attached back portion may be inverted, a bed section connected to the seat portion and adapted to be displayed in front thereof when the seat portion is inverted, braces connected to the free edge of the back section and to the invertible parts, and means by virtue of which the bed section may be folded onto and inverted with the seat portion.

2. In a settee bed, the combination with the settee frame of a seat portion having a back portion attached thereto, pivots connecting the ends of the seat portion to the ends of the settee frame near the middle thereof whereby the seat portion and its attached back portion may be inverted, a bed section connected to the seat portion and adapted to be displayed in front thereof when the seat portion is inverted, an intermediate bed section hinged to the seat portion, a terminal bed section connected to said intermediate section, braces pivoted to the outer edge of the intermediate section and to the said invertible parts, and means by virtue of which the braces and said bed section may be folded upon the seat section for occlusion when the seat portion is inverted to serve as a seat.

3. In a settee bed, the combination with the settee frame, of an invertible seat portion and means for supporting the outer edge thereof when inverted, a bed section hinged to the seat portion by a movable connection and directing links connected to the seat portion and to the bed section for locating and supporting its free edge in bed form and for directing said free edge into folded position in converting the parts into settee form.

4. In a settee bed, the combination with the settee frame, of a seat portion having a back portion attached thereto, a sliding pivotal connection between the seat portion and the settee frame, an intermediate bed section pivoted in a movable manner to the seat portion, guiding braces for the free edge of the intermediate portion, a terminal section pivoted to the free edge of the intermediate section, legs pivoted to the free edge of the terminal section and links connecting said legs to the intermediate section for the purpose set forth.

5. In a settee bed, the combination with the settee frame, of an invertible seat portion and means for supporting the outer edge thereof when inverted, a sliding pivotal con-

nection between the seat portion and the  
settee frame, an intermediate bed section  
hinged to the seat portion, a terminal section  
hinged to the free edge of the intermediate  
5 section, automatically folding legs for sup-  
porting the free edge of the terminal section  
when in bed form, and directing links con-  
nected to the seat portion and to the bed sec-  
tion for locating and supporting its free  
10 edge in bed form and for directing said  
free edge into folded position in converting  
the parts into settee form.

6. In a settee bed, the combination with  
the settee frame, of a seat portion having  
15 attached to its rear edge a support therefor  
when inverted into bed form, a sliding piv-

otal connection between the seat portion and  
the settee frame, an intermediate bed section  
pivoted in a movable manner to the seat por-  
tion, guiding braces for the free edge of the 20  
intermediate portion, a terminal section piv-  
oted to the free edge of the intermediate  
section, legs pivoted to the free edge of the  
terminal section and links connecting said  
legs to the intermediate section for the pur- 25  
pose set forth.

In testimony whereof I affix my signature  
in presence of two witnesses.

FRITZ L. ANDREN.

Witnesses:

CHAS. J. KINDEL,  
E. EASTERBERG.

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,  
Washington, D. C."

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