Nov. 25, 1952 L. ROBINSON 2,618,786

COMBINATION SOFA AND BED.

Filed Feb. 17, 1947 2 SHEETS—SHEET 1

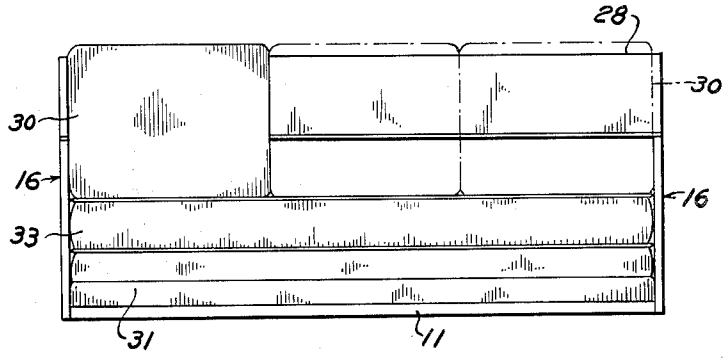


Fig. 1

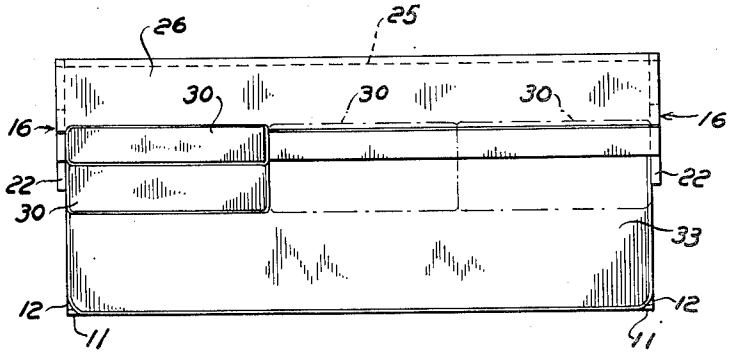


Fig. 2

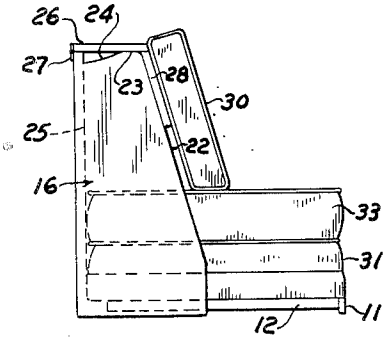


Fig. 3

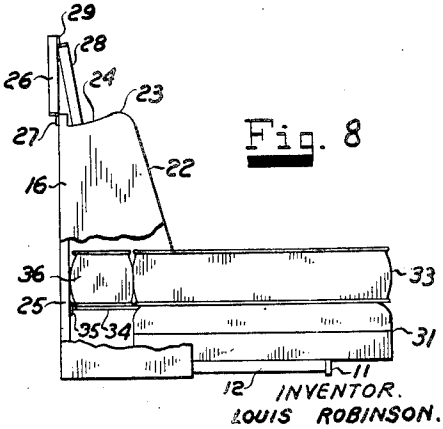


Fig. 8

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COMBINATION SOFA AND BED

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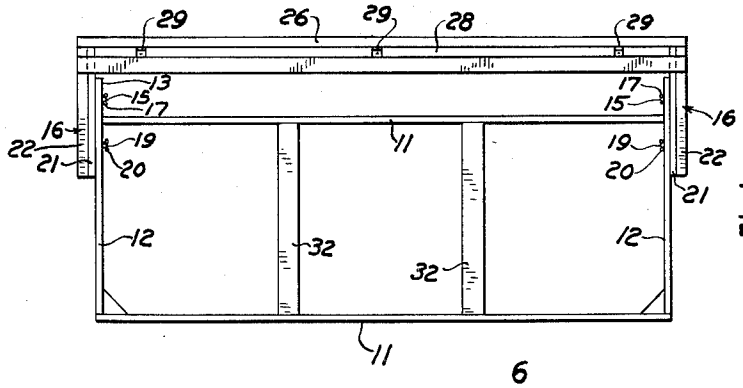


Fig. 4

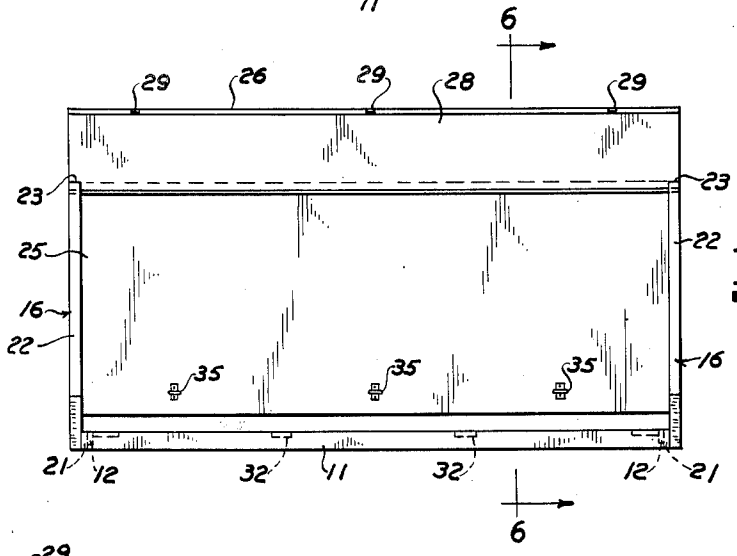


Fig. 5

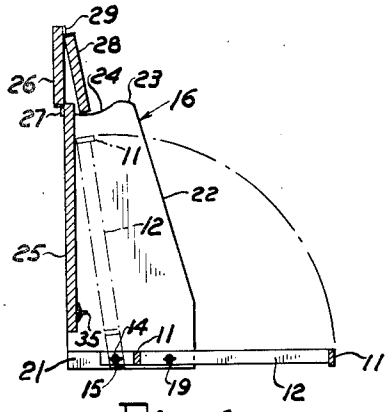


Fig. 6

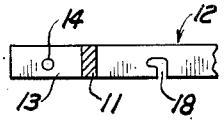


Fig. 7

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COMBINATION SOFA AND BED

Louis Robinson, Detroit, Mich.

Application February 17, 1947, Serial No. 728,998

3 Claims. (Cl. 5—59)

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This invention relates to a combination couch and bed, and particularly to a sofa with a back rest which may be elevated and displaced rearwardly to provide a substantially full sized bed.

It is the object of this invention to provide a couch with a hingedly mounted back rest which in normal position bears angularly against the inclined forward edges of the couch side arms.

It is also the object of this invention to make possible the elevation of said back rest which in rearwardly displaced elevated position is adapted to rest upon the top downwardly extending portions of the couch side arms.

It is the further object of this invention to provide a base member interposed between the couch side arms and pivotally joined thereto so that it may be elevated for substantial alignment with the couch back to facilitate shipping, and which when in use may be locked in its down position.

These and other objects will be seen from the following specification and claims in conjunction with the appended drawings in which:

Fig. 1 is a front elevational view of the couch with two of its cushions shown in phantom to illustrate the arrangement of the back rest.

Fig. 2 is a plan view thereof.

Fig. 3 is a side elevational view thereof.

Fig. 4 is a plan view of the sofa base, side arms, and upright back.

Fig. 5 is a front elevational view of the structure shown in Fig. 4, but with the back rest elevated.

Fig. 6 is an elevational section on line 6—6 of Fig. 5.

Fig. 7 is an enlarged fragmentary side elevational view of a portion of the couch base; and

Fig. 8 is an enlarged partially broken away left side elevational view of the couch with the back rest elevated and the box spring moved outwardly to increase the width of the bed.

It will be understood that the above drawings illustrate merely a preferable embodiment of the invention and that other embodiments are contemplated within the scope of the claims hereafter set out.

Referring to the drawings, the couch base consists of a rectangular frame with spaced longitudinal members 11 and end members 12, whose inner end portions 13 project rearwardly beyond the back member 11.

End portions 13 have openings 14 therein to receive the threaded shanks of mounting bolts 15 which project inwardly from the lower inner surfaces of side arms 16. Wing nuts 17 are threadably mounted on bolts 15 to retain end portions 13 in position thereby providing a pivotal support for base 11, 12.

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A secondary inverted L-shaped slot 18 is formed in each of the end members 12 to removably receive secondary bolts 19 which project from side arms 16 whereby said base may be locked in down position by wing nuts 20.

The outer surfaces of members 12, 13 bear against ledges 21 which project inwardly at the bases of side arms 16. The base is shown in dotted lines upwardly pivoted to the position shown in Fig. 6. The pivotal feature of said base is useful for packing and shipping and provides a simplified method of assembling.

As shown in Figs. 3, 6 and 8 the side arms are relatively narrow and consist of the rearwardly inclined upwardly extending edges 22 which terminate in the substantially horizontal rearwardly extending portions 23, and the arcuate downwardly inclined portions 24.

The upright back 25 is suitably joined to the rear edges of side arms 16, but it is seen from Fig. 6 that back 25 does not extend all the way down to base 11, 12. Said back 25 and side arms 16 form the sides and back of a casing for receiving the couch base.

A back top 26 is rearwardly joined to back 25 by hinges 27, while the forward edge of top 26 is joined to back rest 28 by hinges 29. In Figs. 2 and 3 top 26 is horizontal resting upon back 25 and with its forward edges resting upon the horizontal portions 23 of side arms 16.

Back rest 28 is supported by its hinges 29 and may assume the angular position shown in Fig. 3 with its outer ends bearing against angular portions 22 of said side arms.

The couch pillows 30 thus rest upon filled padding 33 and are tipped back at an angle to bear upon back rest 28.

In Figs. 6 and 8 the top 26 is shown as pivoted upwardly with back rest 28 which is hinged thereto assuming a substantial vertical position with its lower edges resting upon the curved portions 24 of side arms 16. In the position of back rest 28 shown in Figs. 6 and 8 the couch has been converted to a bed, and the back rest is retained against accidental dislodgement by the downwardly inclined curved portions 24 which form a part of the top edges of side arms 16.

The box spring 31 or other resilient support is normally mounted upon base 11, 12 and its spaced cross supports 32 as in Figs. 1, 2 and 3. Box spring 31 also bears upon ledges 21 which project inwardly from the bottom portions of side arms 16.

Furthermore resilient or stuffed padding **33** rests upon box spring **31** to complete the couch. When the device is used as a bed, Fig. 8, with back rest **28** elevated, box spring **31** may be manually slid out upon base **11, 12** to the position shown, thereby increasing the width of the converted bed.

A rectangular flexible member **34** such as a strip of canvas is secured along its forward edge to the top rear edge of box spring **31**. A plurality of hooks or clips are secured along its rear edge for removably engaging the spaced eyes **35** carried upon the inner wall of back **25**. Thus a spacer and support is provided, Fig. 8, to close or cover the opening created between the back wall of box spring **31** and back **25** when said spring is moved outwardly in bed position.

The longitudinal padding segment **36** which is normally carried upon padding **33** under top **26** is positioned upon the canvas or other support **34**. Thus the space between padding **33** and back **25** is taken up with said padding segment thereby widening effectively the sofa when used as a bed.

Having described my invention reference should now be had to the claims which follow for determining the scope thereof.

I claim:

1. In a combination sofa and bed, a frame including front and rear longitudinal members and connecting end members, side arms, a back member secured between said side arms and terminating short of the lower edges of said side arms, rear extensions formed on the end members of said frame having pivotal connection with the lower portions of said side arms to permit the frame to be raised and moved in close relation to the back member and remain disposed below the upper edge of the latter, a top member hinged to the upper edge of said back member, a back rest hinged to the forward edge of said top member and adapted to contact the upper forward edges of said side arms, a removable spring supported on said frame between the side arms and a removable mattress supported on said spring.

2. A device as set forth in claim 1, wherein a flexible strip is engaged with the top rear edge of the spring and adapted for removable engagement with the inner surface of the back member adjacent the lower edge of the latter to form a spacer and support between said spring and back member when said spring is moved to an outward position and a padding segment adapted to be supported on said spacer and support when the spring and mattress are moved to an outward position.

3. The combination of a casing and a base frame pivotally secured thereto and movable from one position in which the frame extends beyond the casing for providing support for a box spring to a second position in which it is housed within said casing comprising side members of greater height but of lesser width than the length of the frame from front to rear, said side frames having downwardly extending side portions at the top edges thereof, a back member interposed between and secured to said side members, a top structure for closing the top of the casing, said top structure consisting of a pair of hinged together panels, means for pivotally securing one edge of one panel to said back member adjacent the top thereof, said panels being of dimensions sufficient to bridge the space between the back member and the side members of the casing, in one position of the top structure, with the ends of one of said panels overlying the top edges of the side members of the casing and the other panel suspended from the first panel and covering the upper part of the space occupied by the base frame when housed within the casing and, in a second position of the top structure, to extend upwardly in folded condition with the lower edge of said other panel engaging the downwardly extending portions of the top edges of the side members of the casing.

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REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,721,647	Stoltenberg	July 23, 1929
2,250,148	Bonnet et al.	July 22, 1941
2,377,953	Mann	June 12, 1945
2,383,837	Ashmusen	Aug. 28, 1945
2,394,969	Robinson	Feb. 12, 1946