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C. E. CAMPBELL

2,307,908

COMBINED CHAIR, CHAISE LONGUE AND BED

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Fig. 1.

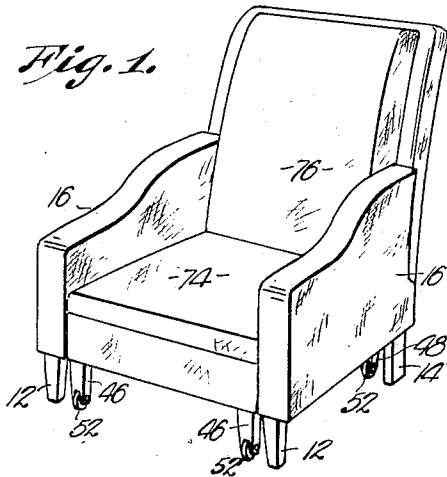


Fig. 2.

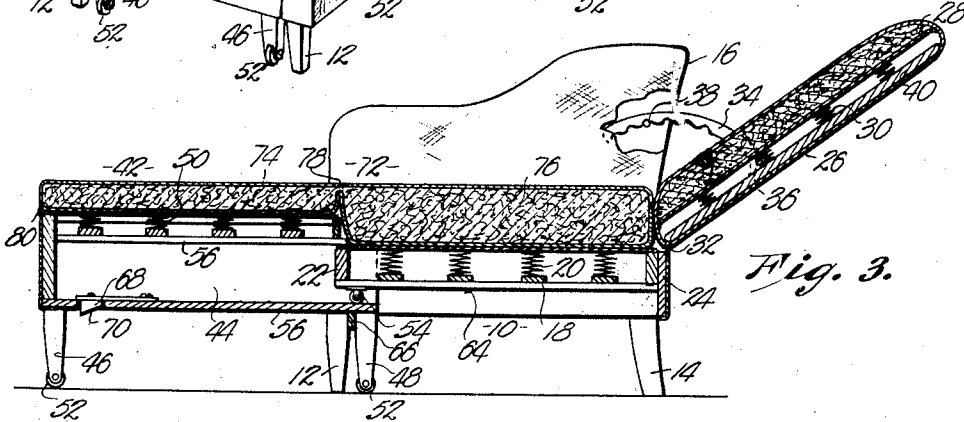
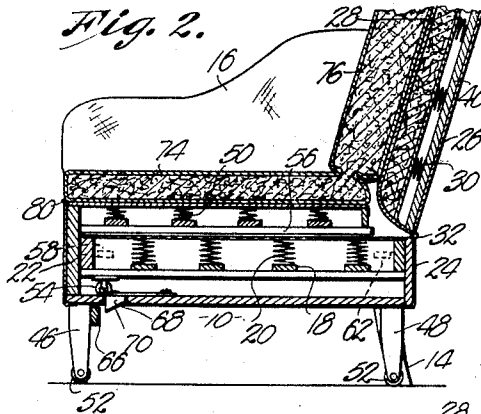


Fig. 3.

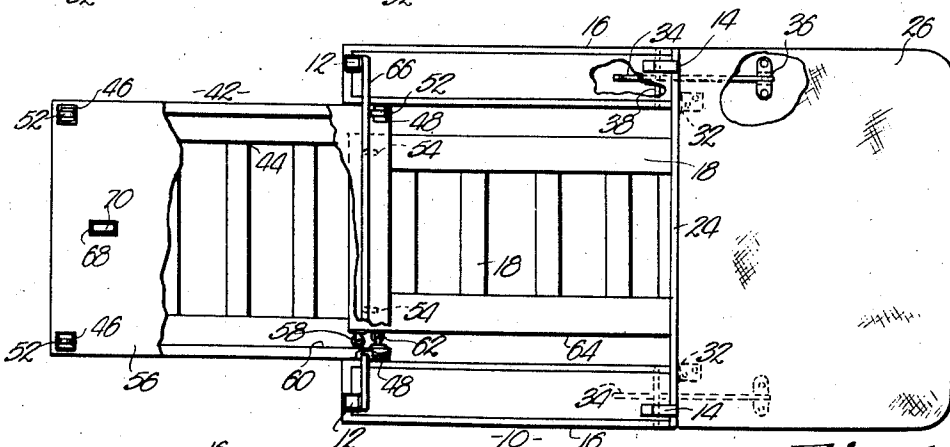


Fig. 4.

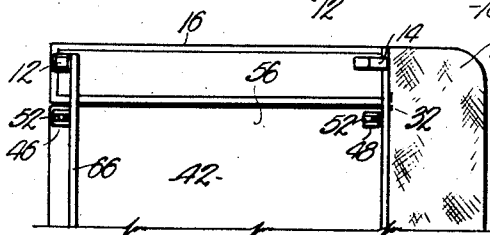


Fig. 5.

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COMBINED CHAIR, CHAISE LONGUE,
AND BED

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3 Claims. (Cl. 155—49)

This invention relates to improvements in a combined chair, chaise longue and bed, the principal object of which is to provide a piece of furniture which in normal position is a conventional upholstered chair that may, by simple operation, be selectively converted into a sturdy and convenient chaise longue or bed.

Another object of this invention is the provision of a piece of furniture having normally overlying sets of springs adapted to be relatively positioned to receive contiguous sections of the cushions.

A further object of this invention is the provision of a piece of furniture having a pad member comprising joined sections of different thicknesses adapted to present a continuous, planar, upper surface when extended and supported respectively on springs disposed at different levels.

Other objects are simplicity and economy of construction, ease and rapidity of operation, and rigidity and strength of structure when in the extended position.

With these as well as other objects, which will appear during the course of the specification in view, reference will now be had to the drawing, wherein:

Figure 1 is a perspective view of an article of furniture embodying this invention.

Fig. 2 is a sectional view of the article, with parts broken away.

Fig. 3 is a section similar to that shown in Fig. 2 with the parts partially extended to form a reclining couch.

Fig. 4 is an inverted plan view of the article when extended, as shown in Fig. 3, with parts broken away; and,

Fig. 5 is a fragmentary inverted plan view of one side of the article with the parts as they appear when it is being used as a chair.

Throughout the several views, like characters designate similar parts, and the numeral 10 represents a frame supported on front legs 12 and rear legs 14, and having upholstered side panels 16 and a base member 18 on which is mounted springs 20, suitable for supporting a cushion as hereinafter set forth.

Transverse front and rear members 22 and 24 respectively, serve to securely unite the side panels and to support the base member 18. A back member 26, upholstered at 28 and provided with springs 30, is hinged at 32 to rear member 24, and is adapted to be moved and secured at any desired degree of inclination by means of the following:

At each side of the back member is a ratchet

arm 34 pivoted at 36 to said back member, which is adapted to engage the pin 38 carried by frame 10 to support the back member against downward movement.

Back member 26 is provided with a rigid backing member 40 on which the springs are supported to hold them in fixed relative relation; furthermore, this back member is covered to present a finished effect to the article.

In lowering the back member, it is necessary for the operator to slightly raise the ratchet members 30 to disengage the ratchet teeth from the pins. Due to the inclination of the ratchet teeth, the ratchet arm can be moved forwardly as the back is raised and the teeth will automatically engage in the respective notches to support the back member in any desired position of inclination.

An extension 42 comprising a frame 44 supported on front legs 46 and rear legs 48, is adapted to support a group of coil springs 50, which serve to support the seat cushion when the article is being used as a chair, and also serves to support the foot section of the bed. Due to the fact that the extension 42 is subject to moving in a rectilinear path to and from the main frame of the article, rollers 52 are provided for legs 46 and 48.

To facilitate smooth movement of the extension member, rollers 54 carried by frame 10 are adapted to normally rest against the upper surface of the bottom portion 56 of frame 44—also side rollers 58 carried by frame 10 contact the inner side wall 60 of frame 44 and the rollers 62 engage the cross bars 64 of the frame 10. These rollers prevent objectional frictional contacts between the parts and insure a free and accurate movement.

To secure the parts in the form of a chair, the following means is provided:

Extending transversely below frame 44 and secured to frame 10, is a bar 66 which is normally positioned adjacent legs 12 and 48. A spring actuated detent 68 carried by frame 44, serves to engage behind bar 66, as clearly shown in Fig. 2, to prevent accidental forward movement of the extension 42. Detent 68 is inclined at 70 so that it will ride over bar 66 as the extension is moved to the collapsed position.

The double pad or cushion 72 is made in two sections 74 and 76, joined together at 78 to permit a free hinging movement therebetween. Section 74 always maintains its position on extension 42 and is secured thereto by fastenings 80. Section 76 is adapted to serve as a back

cushion when the chair is formed, and to rest on springs 20 when the couch or bed is produced.

In order to be able to position springs 50 above springs 20, it is necessary to make the cushion section 76 thicker than section 74 so that when extended, the upper surface of the two sections will be in planar relation. In some instances, it might be found best to provide inner spring cushions to add to the comfort of the device.

From the above description, it is apparent that I have produced a combination chair, chaise longue, and bed, that is easily and quickly convertible into any one of said forms, with a minimum amount of moving and adjustable parts, and a structure that is rigid and will support heavy loads.

Having thus described the invention, what is claimed as new and desired to be secured by Letters Patent is:

1. A combined chair and couch comprising a main frame having side panels and a base structure mounted on legs and supporting a set of springs; a back member mounted upon said main frame; an extension member comprising a frame mounted on legs between said side panels, and carrying a set of springs positioned above the first named set of springs; and a cushion member comprising sections of different thickness hinged together along a transverse edge thereof and normally positioned in angled relation with the thicker section resting freely against said back member and said thinner section resting on said higher positioned springs and secured to said extension member whereby when said thicker cushion section slides down said back member and rests upon said lower set of springs to present a substantially continuous planar cushion surface.

2. A combined chair and couch comprising a main frame having side panels and a base structure mounted on legs and supporting a set of springs; a back member mounted upon said main

frame; an extension member comprising a frame mounted on legs and carrying a set of springs positioned above said first named set of springs and having a bottom portion normally positioned below said first named set of springs; and a cushion member comprising sections of different thickness hinged together along a transverse edge thereof and normally positioned in angled relation with the thicker section resting freely against said back member and said thinner section resting on said higher positioned springs and secured to said extension member whereby when said extension member is extended said thicker cushion section slides down said back member and rests upon said lower set of springs to present a substantially continuous planar cushion surface.

3. A combined chair and couch comprising a main frame having side panels and a base structure mounted on legs and supporting a set of springs; a back member mounted upon said main frame; an extension member mounted on supporting legs and having an upper portion carrying a set of springs above said first named set of springs and having a lower portion positioned below said first named set of springs; rollers interspersing said lower portion of the extension member from the main frame, whereby the extension member may be easily moved to and from the extended position; a cross member positioned between the front legs of the main frame and the rear legs of the extension member whereby the main frame and extension member cannot be separated; a cushion member having sections of different thicknesses hinged together adapted to normally rest with one section on said back member and the other section on said first named set of springs and to rest with its upper surfaces in a planar position on said two sets of springs when the extension member is extended to form a couch or bed.

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