Aug. 22, 1939. F. KIESLER 2,170,382

PARTY LOUNGE AND FURNITURE CONSTRUCTION

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Fig. 1.

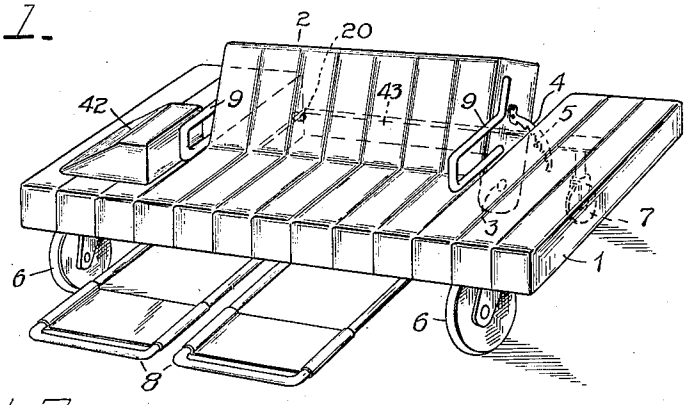

Fig. 3.

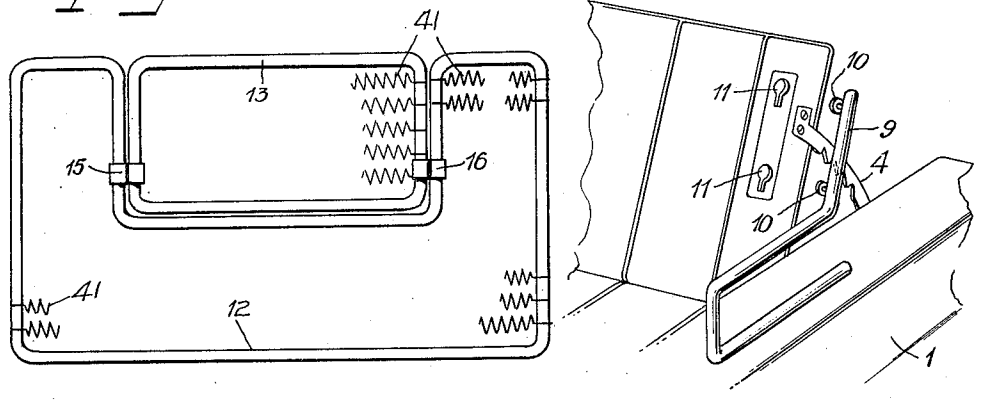

Fig. 4.

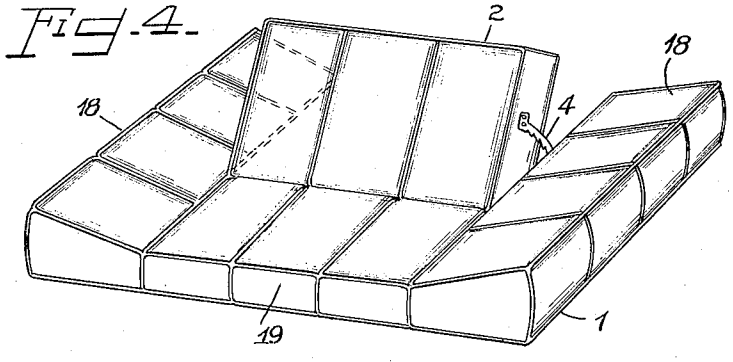

Fig. 2.

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Fig. 5.

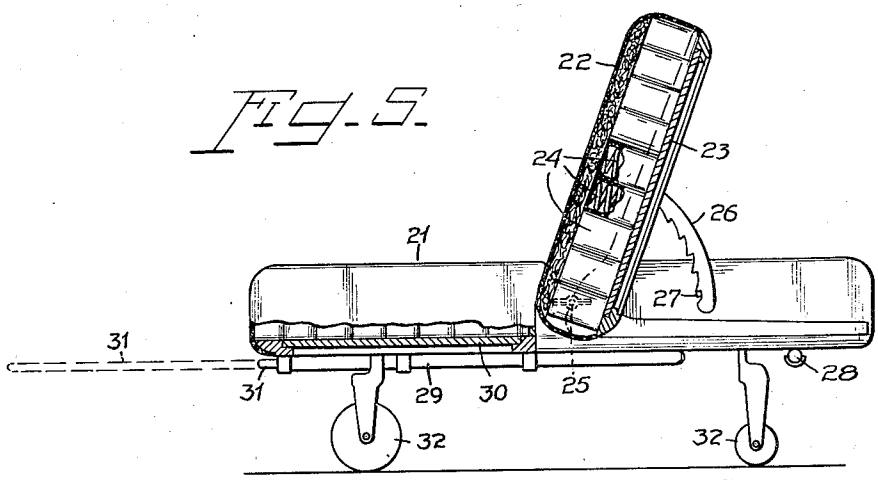


Fig. 9.

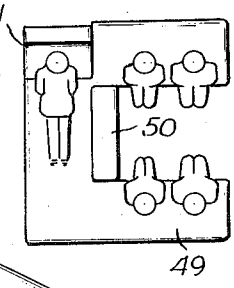


Fig. 6.

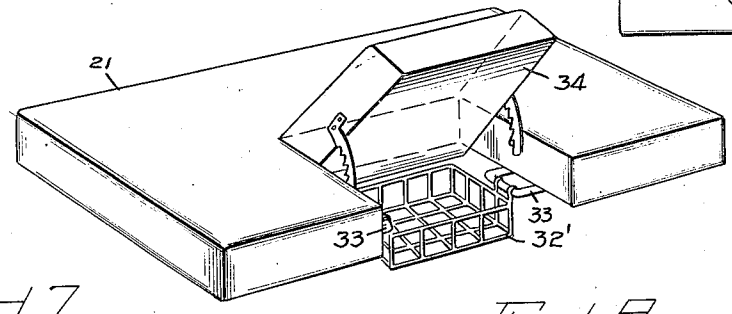


Fig. 7.

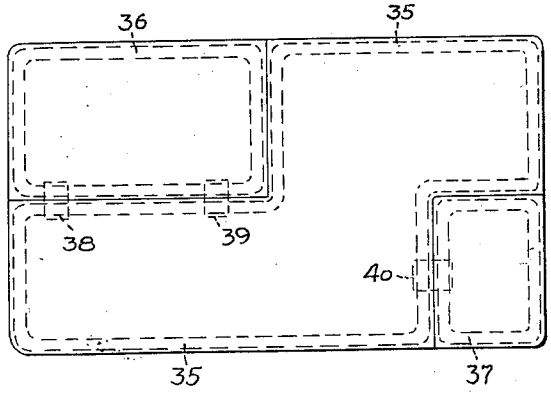
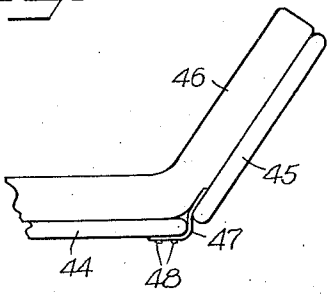


Fig. 8.



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UNITED STATES PATENT OFFICE

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PARTY LOUNGE AND FURNITURE CONSTRUCTION

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Application January 24, 1936, Serial No. 60,604

5 Claims. (Cl. 5—37)

This invention relates to new and useful improvements in furniture constructions generally and has reference in particular to a lounge or couch.

An object of the present invention is a convertible lounge which can accommodate a great number of people simultaneously and in such manner that the occupants can sit on the lounge facing each other. Inasmuch as my new lounge will seat a whole party at the same time, I call my lounge "party lounge".

Another object of the invention is the construction of a convertible lounge including one or more sections that may be raised to form a back or head rest. On the other hand, these sections may be readily lowered in order to convert the lounge into a bed or couch with an even flat top.

Another object of the invention is a convenient foot rest construction associated with my new lounge.

Another object of the invention is a detachable arm rest which may be easily attached to and disconnected from the movable sections of my new lounge.

Another object of the invention is a special arrangement and construction of the supporting casters for my lounge which, on the one hand, will permit movement of the empty lounge with the greatest ease, while on the other hand, the lounge will be practically immovable when supporting a weight as for instance a person seated on the lounge.

Another object of the present invention is to provide a special top for the lounge.

Another object of the invention is the combination of a table or tray with my improved lounge.

With these and other objects in view, the present invention consists in the arrangement of elements and parts described in the following specification and illustrated in the accompanying drawings in which—

Fig. 1 is a perspective view of the preferred form of construction of my new lounge;

Fig. 2 is a detailed side view of the back of the lounge shown in Fig. 1 with the arm-rest detached therefrom;

Fig. 3 illustrates by way of example one form of construction of the supporting frame of my new lounge;

Fig. 4 is a perspective view of my lounge construction showing the banked sides of the top surface;

Fig. 5 is a side view of a lounge in accordance with the present invention;

Fig. 6 is a perspective view of my new lounge showing a tray or table associated therewith;

Fig. 7 illustrates a modification of the frame construction shown in Fig. 3;

Fig. 8 is a partial side view of a lounge according to the invention, showing the attachment of the mattress to the frame;

Fig. 9 is a top plan view of my new lounge occupied by five persons.

The lounge shown in Fig. 1 consists of a body 1 having a back 2 disposed in a recess in the body 1 to which it is pivoted at 3. The position of the back 2 may be adjusted by means of the ratchet bar 4 which is attached to the back 2 and adapted to engage with the pin 5 for supporting the back 2 in raised position. Stops 20 serve to support the back 2 in lowered position.

The body 1 is supported on two pairs of casters 6 and 7 which are disposed at the corners of a trapezoid, the front casters 6 being of larger diameter than the back casters 7. Due to this special arrangement of the casters 6, 7 and the difference in their diameters, the lounge may be moved about very easily when unoccupied, while it offers great resistance and is practically immovable when supporting a weight. The lounge will never slide or roll away while occupied; this is of particularly great importance for this type of furniture.

The lounge shown in Fig. 1 is provided with movable foot rests 8 which, ordinarily, are hidden underneath the body 1, but may be readily pulled out when needed. The foot rests shown in Fig. 1 consist of metal tubing and telescope into a metal tubing provided at the bottom of body 1 as shown in Fig. 5. It should be clear, however, that the foot rests may be made of any desired material and supported underneath the body 1 by means of any known device.

Detachable arm-rests 9 may be secured to the back 2 by means of pins 10 which are provided with heads and adapted to engage the slots 11 provided on the sides of the back 2 (see Fig. 2). 42 designates a pillow and 43 designates a table or tray provided in the recess in body 1 in such manner that it will not interfere with the back 2 either in raised or lowered position.

The body 1 of the lounge may be upholstered as shown in Fig. 1 or it may consist of wood or metal or any other desired material. The upholstery shown in Fig. 1 may be supported e. g. on the frame 12 illustrated in Fig. 3.

Frame 12 is provided with a recess which is occupied by the small frame 13 pivoted to frame 12 at the points 15 and 16. Springs 41 are

stretched across both frames 12 and 13 to form a resilient support for the body of the lounge. The frames 12 and 13 shown in Fig. 3 are preferably made of metal tubing. It will be obvious that instead of the frame having rectangular shape as shown in Fig. 3, it may equally well be of circular, oval or any other shape. Likewise, instead of the horizontal spiral springs shown in Fig. 3, any other horizontal or vertical spring or resilient means may be employed with the same result.

A special feature of my invention resides in the banked top surface of the lounge as shown in Fig. 4. In this figure the side portions 18 of the lounge are slightly tapered upwardly with respect to the central portion 19 to prevent cushions or other articles from sliding down.

The upholstery of the lounge according to the present invention preferably consists of several independent sections. The upholstery shown in Fig. 4, e. g., comprises the two side portions 18 and a single central portion 19. The lounge shown in Fig. 5, on the other hand, comprises a back 22 which is provided with an individual upholstery while the remaining portions of the body 21 are upholstered separately. In such case the abutting edges of the upholstery of the body 21 and the individual upholstery of the back 22 should make a tight joint in order to obtain a perfectly flat and even top surface when the back 22 is lowered.

The back 22 of the modification shown in Fig. 5 comprises a wooden frame 23 and helical springs 24 attached thereto. The back 22 is disposed in a recess of the mainbody 21 of the lounge and pivoted to body 21 at 25. 26 designates a ratchet bar which cooperates with pin 27 to adjustably support the back 22 in raised position. Stops 28 serve to support the back 22 in lowered position. The frame 30 carries the metal tubings 29 in which the foot rests 31 are movably disposed. The lounge of Fig. 5 is likewise supported on wheels 32 which are arranged and constructed like those shown in Fig. 1.

Fig. 6 shows a lounge provided with a table or tray 32′ which is detachably secured to the stops 33 supporting the back 34 in lowered position. The table or tray 32 is so disposed that it will not interfere with the back 34 by which it is completely concealed when in lowered position. The tray 32 may be used, e. g., for storing the detachable arm rests 9 (see Fig. 2) or as an improvised serving table etc.

Fig. 7 illustrates a modified form of the frame of the present invention. The frame shown in this figure consists of a main frame 35 and two small frames 36 and 37 disposed in recesses provided on the main frame 35. The small frames 36 and 37, which serve as backs, are pivoted to the main frame 35 at the points 38, 39 and 40, respectively.

The frames shown in Figs. 3 and 7 may either form an integral part of the upholstery of the lounge body or they may simply be used in connection with an independent mattress. Such arrangement is particularly adapted for outdoor furniture because the mattress may be easily removed and the frame left outdoors. In the case where a separate mattress is used in connection with the frames of the present invention, the mattress should be fastened near the juncture of the main frame and the small frame in order to prevent the mattress from sliding down when the small frame, which forms the back of this type of lounge, is raised.

Such a lounge is illustrated in Fig. 8. In this figure the main frame 44 and the movable sectional frame 45 are covered by a separate mattress 46 which is fastened to the main frame 44 at 48 by means of the flap 47 provided on the mattress.

The lounge shown in Fig. 9 consists of a body portion 49 and two adjustable portions 50 and 51 serving as backs. Five persons are shown occupying the lounge. The recess in the lounge, which is uncovered when the back 50 is raised, is of large enough dimensions so as to accommodate the legs of several persons seated on the lounge, as shown in the drawings. It should be observed that due to this construction it is possible to seat a number of people on the lounge facing each other, an arrangement which is quite impossible on the ordinary couches and sofas now in use, excepting of course the possibility of a person putting his feet on the couch.

It will be obvious that many changes may be made in the design and the structural details of my improved lounge without departing from the spirit of the present invention. And although I have shown and described specific forms of construction of my invention, I do not wish to be understood as limiting myself to the exact construction shown and described herein. It should be noted particularly that I contemplate the use of my said invention in connection with many other devices and pieces of furniture, such as for inst.: chairs, easy-chairs, fauteuils, daybeds, sofas, tables and the like.

I claim—

1. A convertible couch comprising a substantially quadrangular main frame provided with a substantially U-shaped recess, supporting means carried by said main frame, said supporting means forming a sitting surface, a substantially quadrangular auxiliary frame hingedly secured to said main frame in the recessed section thereof, and means associated with the said two frames for adjustably supporting the auxiliary frame on the main frame, whereby the auxiliary frame may be raised and lowered with respect to the main frame, said auxiliary frame serving as a back rest in raised position and completing, in lowered position, the general quadrangular contour of the main frame.

2. A convertible couch comprising a unitary circumferential main frame and an auxiliary frame, supporting means carried by said main frame, said supporting means forming a sitting surface, a section of said main frame being recessed to accommodate said auxiliary frame, the latter being hingedly secured to said main frame in said recess, and means associated with said two frames for adjustably supporting said auxiliary frame upon the main frame, whereby the auxiliary frame may be raised and lowered with respect thereto, said auxiliary frame forming a back support in raised position and completing, in lowered position, the broken contour of the main frame in the recessed section thereof.

3. The couch claimed in claim 2, in which the said recess is so dimensioned that at least one person can sit upon the couch at the recessed section thereof with his legs disposed in the recess, while said auxiliary frame is raised, whereby people can sit on the couch facing one another.

4. A convertible couch comprising a main supporting body upon which occupants can sit or lie, said supporting body being recessed inwardly and horizontally, an auxiliary supporting body disposed in said recess and movably mounted

therein, means associated with said main and auxiliary bodies to adjustably support the latter upon the former, whereby said auxiliary body may be raised and lowered with respect to the main body, said auxiliary body, when raised, forming a back rest for persons sitting upon the main body, while in its lowered position, said auxiliary body completes the broken contour of the main body in the recessed section thereof in which said auxiliary body is disposed.

5. The couch claimed in claim 4, in which the said recess is so dimensioned that at least one person can sit upon the main body at the recessed section thereof, with his legs disposed in the recess, for the purposes described.

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