

July 11, 1967

A. DRAPIN
LOUNGE RESTS

3,329,979

Filed Aug. 16, 1965

2 Sheets-Sheet 1

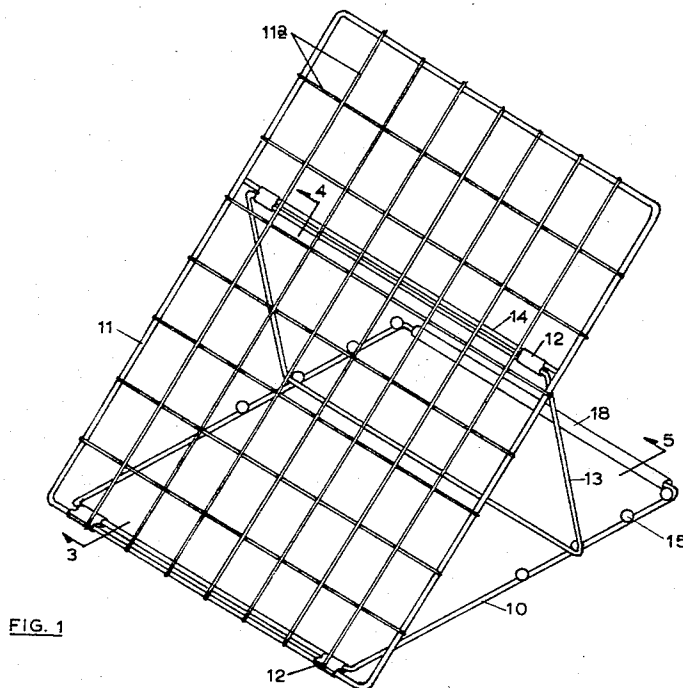


FIG. 1



FIG. 2

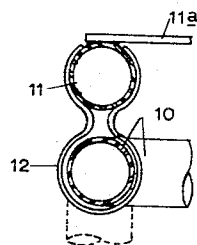


FIG. 3

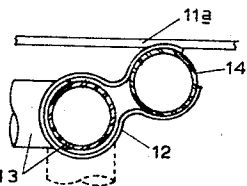


FIG. 4

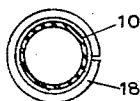


FIG. 5

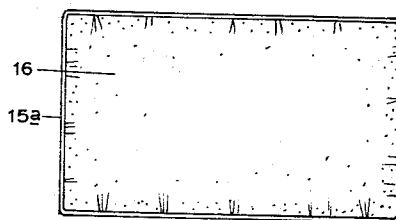


FIG. 6

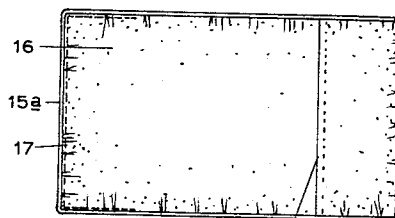


FIG. 7

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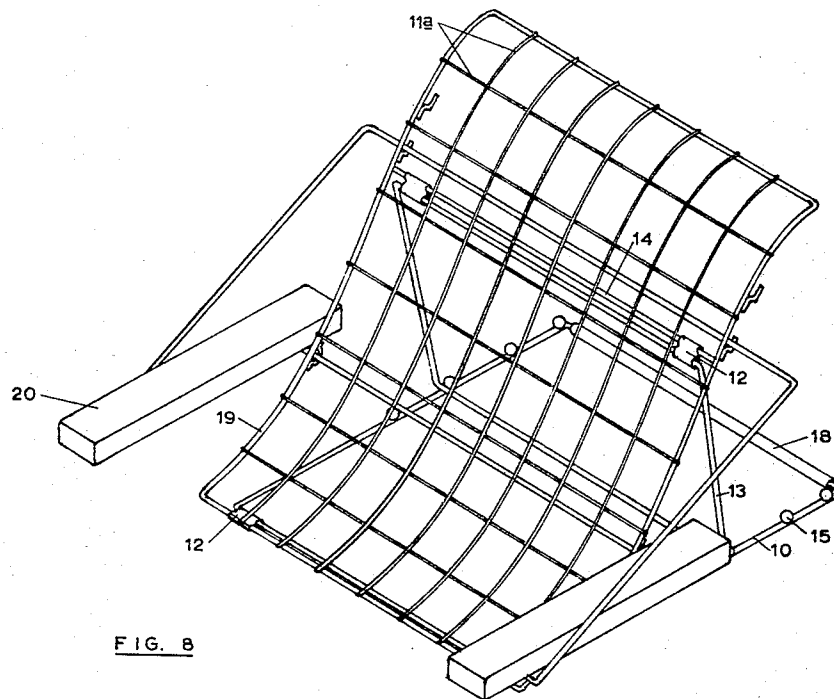


FIG. 8

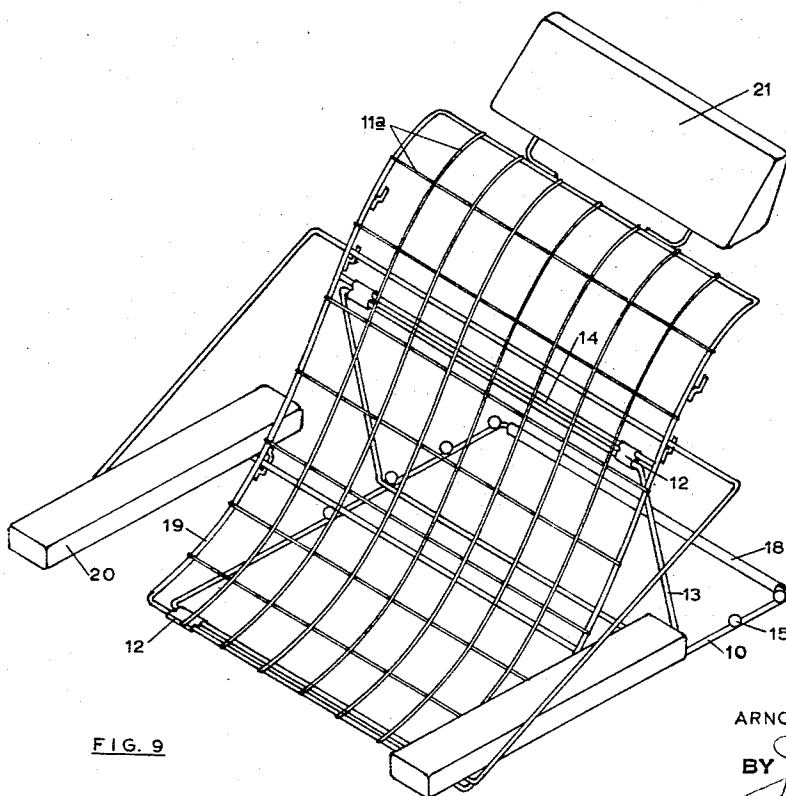


FIG. 9

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LOUNGE RESTS

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1 Claim. (Cl. 5—327)

This invention relates to articles of furniture in the nature of bedrests for supporting the human back in a partially elevated position in bed or any other reclining posture.

One purpose and object of the invention is to provide an improved piece of furniture in the nature of such bedrest, which will be a lounge adapted to be made adjustable from one position to another in accordance with the desires of the user thereof.

Another purpose and object herein is to provide an adjustable bedrest of the character described, which comprises the additional feature of being readily collapsible from an adjustable elevated position to a completely horizontal position, so that such articles of furniture may be readily and conveniently stored and transported, or otherwise disposed of in a relatively small cardboard box or other suitable container.

While, of course, in the past there have been many different kinds of bedrests made generally available to the public, so far as I have been able to determine these do not include the combination of features of being both adjustable for the user's comfort, and collapsible for facile storage.

With the above and other objects in view, as will be apparent, the present invention consists in the construction, combination, and arrangement of parts and/or steps, all as hereinafter more fully described, claimed and illustrated in the accompanying drawings wherein:

FIG. 1 is a perspective view of a bedrest constructed according to the present invention illustrating its simplicity of design and operation;

FIG. 2 is an end view of the bedrest article of FIG. 1, in the collapsed or disassembled position into which it is put prior to storage, or when not used;

FIG. 3 is a sectional view taken along the line 3 of FIG. 1 for the purpose of disclosing the nature of fastening means for joining the horizontal portion or base to the vertical or obliquely disposed backrest portion, whereby each is free to move relative to the other, thus enabling the backrest portion to be adjusted to various positions or angles of declination as may be desired by the user thereof;

FIG. 4 is a sectional view, similar to that of FIG. 3, taken along the line 4 of FIG. 1, for the purpose of indicating an arrangement similar to that of FIG. 3 in the nature of a pair of aligned fittings, open on one side and closed on the other, for attaching a backstop member to the backrest portion of the present invention, which backrest member is free to rotate or move in a limited arc such as will permit easy transposition of the backrest to the collapsed state when the article is not being used;

FIG. 5 is a further sectional view through the line 5 of FIG. 1, which shows the addition of a non-skid wrapper or covering member disposed over and along the rear end runner of the base support: it being understood, of course, that if desired, similar devices or coverings may be added to the side pieces and front member of the four sided base of FIG. 1;

FIG. 6 is a plan view of the front side or face of a

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textile covered plastic pad or cushion or the like intended to be mounted on the obliquely disposed backrest member, especially when the present adjustable and collapsible lounge is in use;

FIG. 7 is a plan view of the reverse side of the cushion or pad of FIG. 6, illustrating a flap in the upper rear surface of the textile covering, thereby providing a convenient means for hanging or slipping on the pad or cushion over the backrest;

FIG. 8 is a perspective view of a modified embodiment of the present invention whereby the backrest or adjustable lounge of FIG. 1 is provided with a contour shape and also with arm rests; and

FIG. 9 is another perspective view of a still further modification of the present invention wherein and whereby the bedrests of FIGS. 1 and 8 may be supplemented with a headrest for the added comfort and convenience of the user.

Referring now in more detail to the foregoing figures, as will be understood, the present invention contemplates an adjustable and collapsible lounge or bedrest which may be readily stored in a minimum of space when not in use, and which when in use is easily adjustable at the will of the user into a variety of positions. To that end, the bedrest of that embodiment of the invention illustrated in FIG. 1 may comprise a rectangular base frame of such size and design and construction as to be able to sustain the weight of the upper portion of the human body when such body is in a reclining position. That is to say, such base frame 10 may be rectangular in shape, and about 14 inches wide and about 18 inches long, and may be made up of 5/8 inch steel tubing with a nickel/brass plating and rustproof lacquer coating or finish.

Cooperating and joined to the base frame 10, the invention further contemplates a backrest member 11 which is also in the nature of a four sided frame of copper tubing made substantially similar in size, shape and construction to that of the frame or support 10, and adapted to coact therewith in comfortably supporting the human back in an elevated adjustable position. The backrest member 11 may be about 16 inches wide and 20 inches long so as to slightly extend beyond the side members of the base 10, and rearwardly of the back runner of the base when in the collapsed position shown in FIG. 2. As is also evident, the backrest member 11 is further characterized by a network, grid or integrated system of vertical and horizontal steel wires 11^a which may be of about 3/16 inch diameter, which wires intersect one another to produce small square reinforcing structures which extend throughout the entire area defined by the four sides of the backrest member 11. Fasteners 12 in the nature of sleeve-like fittings or bearings are also provided, according to the present invention, to connect or join the normally stationary base frame 10 to the movable backrest member 11 whereby the articles constructed according to the invention may be readily assembled for use, and disassembled for storage or other disposition. To that end, each of such fittings or bearings 12 is provided with a concave open portion or side welded to and clampingly engaging the bottom runner of the backrest 11. The fasteners 12 are further provided with a closed side or keeper which loosely encircles the adjacent end or runner of the base support 10, the construction and arrangement being such as to freely permit relative angular movement of the backrest member 11 and base frame 10, thereby enabling the user to adjust at will the angle of inclination of the backrest 11.

Further cooperating with the coacting frame 10 and backrest 11 is a back stop member 13 comprising a similarly shaped four-sided steel tubing frame which may be fastened for pivotal rotary movement at its upper end or runner to a pair of spaced sleeve-like bearings or fittings substantially similar, if not identical, to the fasteners 12 of the backrest member 11. By means of these fittings, the back stop member 13 is fixed against movement (except for relative rotary movement), as by welding, to a reinforcing crosspiece 14 of greater diameter than that of the intersecting cross wires 11^a of the backrest member 11. The over-all size of the back stop 13 preferably is smaller than that of the coacting base member 10 or backrest 11. That is to say, its width or end members may be about 16 inches wide, and its length or side members about 12 inches long.

The base 10 is further provided with at least one pair, and preferably more, of aligned metallic ball-shaped stops 15 welded to opposed sides of the frame member 10, thus providing means for holding the angular disposition of the backrest member 11 relative to its base support 10. In short, by inserting the bottom crosspiece or runner of the back stop 13 in front of a pair of coacting aligned stops 15, the position of the backrest 11 is adjustably fixed according to the will and desire of the user. When the adjustable bedrest is no longer to be used, it may be readily disassembled or collapsed by removing the back stop 13 from its position of engagement with one pair of the aligned stop members 15 to the position shown in FIG. 2. This may be very readily accomplished since the construction and arrangement of the fasteners 12 joining the back stop 13 to the crosspiece 14 is such as to make the back stop 13 readily rotatable or movable from the position of FIG. 1 to its position shown in FIG. 2. It will also be understood that since the design and construction of the fittings 12 whereby the backrest 11 is secured to the base 10 are the same, simultaneously with the movement of the back stop 13 into horizontal alignment with the backrest 11, in disassembling the present article, the backrest member 11 may also be moved from its position defining an angle with respect to the line and disposition of the base 10, to a collapsed or disassembled position also in horizontal alignment with the base member 10. Thus, at that time all three coacting components of the invention, viz. the support 10, backrest 11, and back stop 13 are horizontally disposed in substantially the same longitudinal plane, or at least substantially in parallel adjacent longitudinal planes, all as further illustrated in FIG. 2.

Preferably the present backrest is supplemented with a covering in the nature of a soft cushion member 15^a as, for example, that illustrated in FIGS. 5 and 6 of the drawings. Said cushion may comprise an outer textile fabric covering or envelope 16 provided with a zipper element 17 or similar closure, into which may be stuffed a pad of a foamed plastic such as foam rubber or polyethylene or polyurethane plastic. The size and shape of the cushion 15^a should, of course, be in conformity with that of the backrest 11, which is to say that it may be about 16 inches wide and about 20 inches long or in height, so as to cover reasonably well and completely the entire backrest area defined by the four sides of the backrest member 11.

An easy means of mounting the cushion 15^a on the backrest 11 is illustrated in FIG. 6 of the drawings, and may comprise a flap 22 or added piece of fabric extending from one side of the cushion 15^a to the other, and sewn along the top thereof and extending downward therefrom for 4 inches, at which point it is open thereby establishing a pocket into which may project the upper crosspiece of the backrest 11 when the cushion 15^a is slipped over such crosspiece.

Additional fittings in the nature of anti-skid runners or sleeves 18 may be added to the back runner of the base frame 10, and if desired, to the side and front mem-

bers thereof as well: it being understood, of course, that in such event the construction of the sleeves 18 shown in FIG. 1 will be suitably modified when such sleeves 18 are incorporated on the side and front pieces so as not to interfere with the placement and function of the fastener bearings 12 and the stop members 15, in assembling and disassembling the present adjustable and collapsible bedrest. The sleeve over the back runner of the frame 10 which may be made of plastic or like composition also serves in the nature of a protective device to prevent the metal thereof from coming in contact with and possibly damaging the headboard of the bed wherein the present backrest is employed.

The thickness of the cushion 15^a including its foam rubber or plastic stuffing will, of course, be determined by the reasonable requirements of the user. It has been found in practice, however, that the cushion 15 may be about 2¼" in thickness. Therefore when the product of the invention is in its disassembled or collapsed position as shown in FIG. 2, and the cushion 15^a thus described is placed on top of it, the combination of disassembled bedrest and cushion takes up a relatively small amount of space, namely, about 20" x 16" x 3". These dimensions, it will be recognized, are relatively so small that both the cushion and the rest may be readily stored in a cardboard box or similar container when not in use, such cardboard box having over-all dimensions of about 20½" x 16¾" x 3½". It may be noted further that when disassembling the backrest prior to storage, it is not necessary to remove the upper portion of the backrest member 11 from inside the pocket at the top of the cushion 15^a, so that the cushion and rest may be stored in that position or out of such engagement with each other as may be preferred.

Another embodiment of the present invention is shown in FIG. 8 which illustrates modifications of the bedrest of FIG. 1 in that a curved or contour construction 19 is substituted for the substantially straight line construction of the backrest member 11; and in the further respect that arm rests 20 are added as by any suitable means to the backrest 11 of FIG. 1.

In FIG. 9, one further modification of the invention, over and above the embodiments of FIGS. 1 and 8, is illustrated so as to supplement these structures with an added headrest 21 of suitably cushioned size, shape and nature. It is to be further understood that although in the foregoing description of the present invention I have repeatedly referred to the same as a bedrest, the nature and function thereof and its construction and arrangement are such as to adapt it to other related uses, such as a backrest that can be used at the beach or generally for outdoor applications, and for indoor applications other than as a bedrest as, for example, on a couch or sofa, or on the floor.

What is claimed is:

Adjustable lounge comprising an interconnected assembly consisting of a base, a backrest and a back stop, means for erecting and collapsing said adjustable lounge comprising at least one fastener pivotally connecting the backrest to the base for rotary relative movement of the backrest with respect to said base, and means for adjusting the position of said lounge comprising an independent fastener pivotally connecting the back stop to the backrest for independent rotary movement of the back stop with respect to said backrest and a plurality of spaced stop means fixed at intervals to the base for releasably engaging the back stop in any one of a series of adjacent positions, said fasteners each comprising a closed keeper portion for permitting limited rotary movement of the backrest and back stop respectively and an open clamping portion for preventing relative movement of said base and backrest with respect to said fasteners.

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