June 15, 1965 T. E. WATSON 3,188,662

MULTI-WAY CONVALESCENT PILLOW

Filed Dec. 20, 1963 2 Sheets-Sheet 1

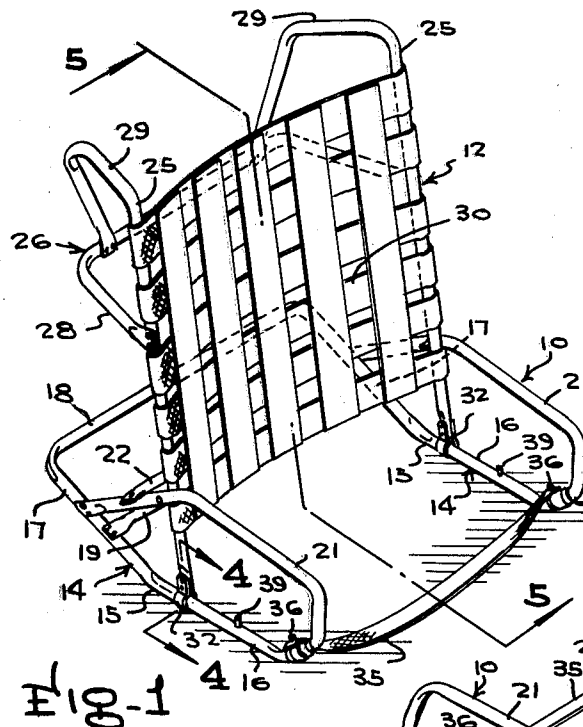


Fig-1

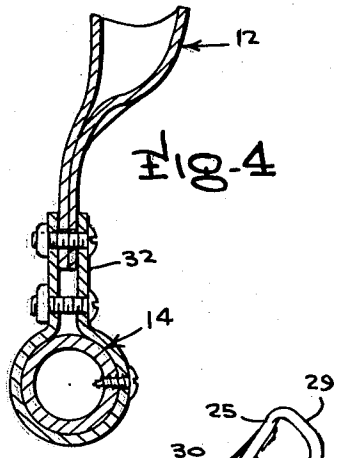


Fig-4

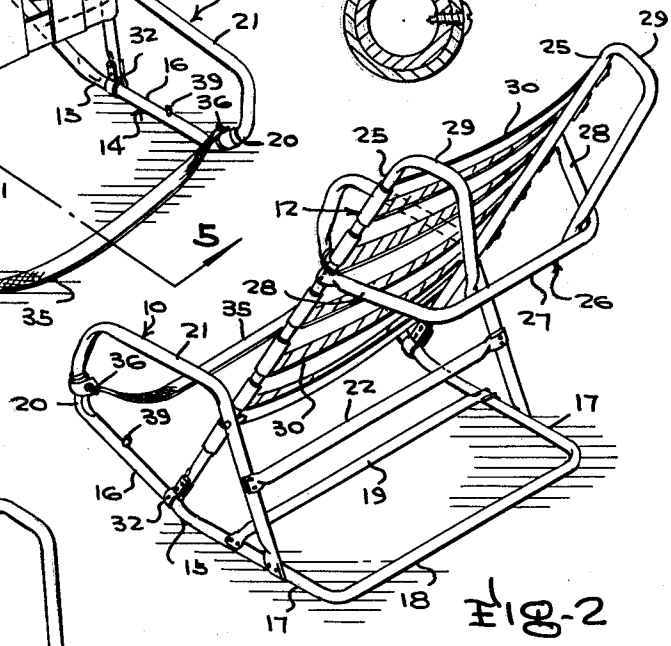


Fig-2

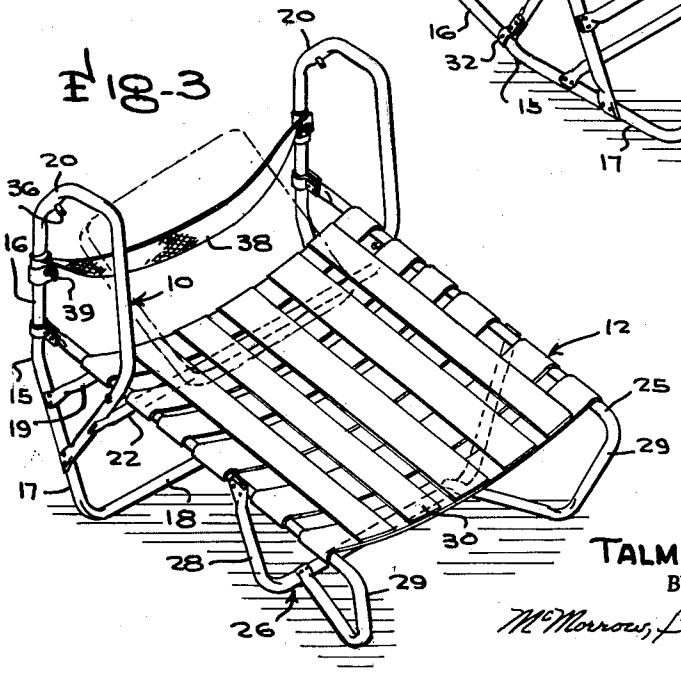


Fig-3

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MULTI-WAY CONVALESCENT PILLOW

Filed Dec. 20, 1963 2 Sheets-Sheet 2

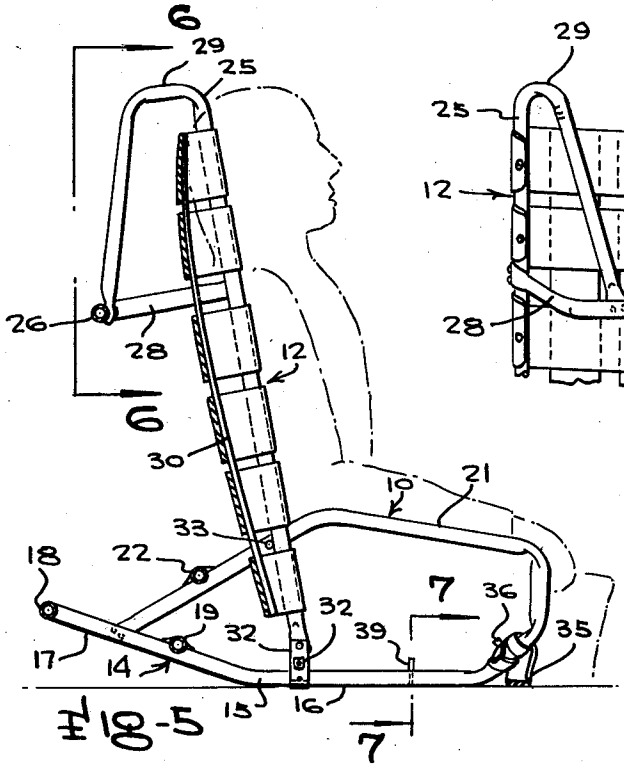


FIG-5

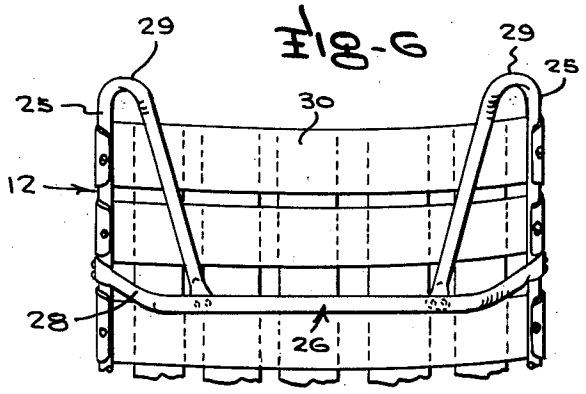


FIG-6

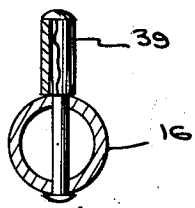


FIG-7

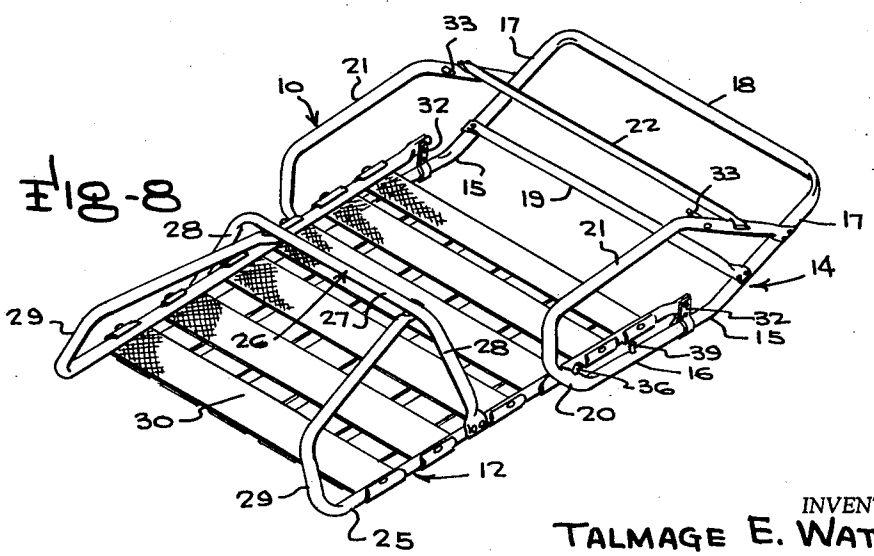


FIG-8

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3,188,662

MULTI-WAY CONVALESCENT PILLOW

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Filed Dec. 20, 1963, Ser. No. 332,026
5 Claims. (Cl. 5—327)

This invention relates to a multi-way convalescent pillow or portable backrest.

An object of the present invention is to provide a multi-way convalescent pillow which lends itself to ready adaptation to supporting a patient in a plurality of different reclining positions or in a reposing position.

Another object of the present invention is to provide a multi-way convalescent pillow which is capable of supporting a patient, while confined in bed, in a plurality of different reclining positions or in a reposing position.

A further object of the present invention is to provide a multi-way convalescent pillow which comprises a framework construction which is capable of being shiftable, with ease and facility, to positions of supporting a patient in a plurality of different reclining positions or in a reposing position or to a position of collapse.

Other objects and advantages of the instant invention will become apparent from the following description taken in conjunction with the accompanying drawings, wherein:

FIGURE 1 is a perspective view of the pillow according to the present invention in a position for supporting the body of a patient in a reclining position at a particular angle.

FIGURE 2 is a perspective view of the pillow of FIGURE 1, but in a position for supporting the body of a patient in a reclining position at a different angle to that of FIGURE 1.

FIGURE 3 is a perspective view of the pillow of FIGURE 1 in a position for supporting the body of a patient in a reposing position.

FIGURE 4 is a fragmentary sectional view taken on the line 4—4 of FIGURE 1.

FIGURE 5 is a sectional view taken on the line 5—5 of FIGURE 1.

FIGURE 6 is a fragmentary view taken on the line 6—6 of FIGURE 5.

FIGURE 7 is a fragmentary sectional view, with a part broken away, taken on the line 7—7 of FIGURE 5.

FIGURE 8 is a perspective view of the pillow of FIGURE 1, but in a collapsed position.

Referring to the drawings, the pillow of the present invention is shown as a unitary frame construction and comprised of a first open frame 10 and a second open frame 12 connected at 32 to the frame 10 for pivotal movement between a collapsed position upon the frame 10, as shown in FIGURE 8, to a position in which the frame 12 extends in a vertical sloping direction with respect to the frame 10, as shown in FIGURES 1 and 2.

The first open frame 10 consists of a pair of elongated, longitudinally—obtuse, side members 14 arranged in lateral spaced relation, each of the side members being crooked to a like extent, as at 15, to thereby divide the members into a first portion 16 and a second portion 17. That is, the two crooked portions 16, 17, along their ground-contacting edge, form an angle which is longitudinally obtuse or greater than 180°. A bight 18 extends between and is secured to the free ends of the second portion 17 of the side members 14. A first brace 19 extends between and is attached to the second portion 17 of the side members 14. Projecting from the free ends of the first portion 16 of the side members 14 are sloping extensions 20, and extending between the extensions 20 and the adjacent second portions 17 and attached thereto are arm rests 21. A second brace 22 extends between and is attached to the portions of the rests 21 adjacent the second portion 17 of the side members 14.

The second open frame 12 consists of a pair of elongated standards 25 arranged in lateral spaced relation, and a U-shaped member 26 is disposed on one side of the standards 25 with a bight 27 extending crosswise of and spaced from the standards and legs 28 substantially perpendicular to and fixedly attached to the standards 25 adjacent to and spaced from one of the complemental ends of the standards. Along the outer margin of the pivoted frame 12, an inwardly-bowed support rest 29 projects from each of the complemental one ends of the standards 25 and has a free end fixedly attached to the bight 27 of the member 26. An apron 30, shown in the form of a plurality of crossed webbing strips, extends between and covers substantially the entire length of the standards 25, forming a backing surface.

The second frame 12 is arranged so that the portions of the standards 25 adjacent the other ends thereof overlie, FIGURE 8, the first portion 16 of the side members 14 of the first frame 10 with the other ends adjacent to and spaced from the crooking 15 of the side members 14. Means, indicated by the numeral 32, pivotally connects the other ends of the standards 25 to the first portion 16 of the side members 14 of the first frame 10 for movement of the second frame 12 from the position in which the aforesaid portions of its standards 25 overlie the first portions 26 of the side members 14 to a position in which the standards 25 extend in a vertical sloping direction leaning toward the second portion 17 of the side members 14 of the first frame 10, FIGURES 1, 2 and 5.

Stop means in the form of projecting pins 33 are on the arm rests 21 of the first frame 10 which are engageable with the standards 25 of the second frame 12 and the standards 25 extend in a vertical sloping direction leaning toward the second portion 17 of the side members 14, FIGURES 1, 2 and 5, for holding the second frame 12 in a sloping direction position.

The thus described unitary frame construction is positionable so that the first or second portions, 16 or 17, of the side members 14 of the first frame 10 rest upon a supporting surface, FIGURES 1 and 5, or FIGURE 2, with the standards 25 and apron 30 carried thereby extending in an upwardly-sloping direction and the standards 25 engaging the stop means 33 to thereby support the body of a patient in a reclining position in either of two different angles and rest his arms upon the arm rests 21 when in said reclining position.

A first strap means indicated by the numeral 35 is provided, and such means extends between and is securable to the extensions 20 of the first portion 16 of the first frame 10 when the first portion 16 of the side members 14 rests upon a supporting surface, FIGURES 1 and 5, to thereby engage the underneath upper portions of the legs of a patient when his body is supported in a reclining position, thereby providing a rudimentary seating element for the frame 10. Specifically, the strap means is in the form of a strap and has its end portions wrapped about the extensions 20 and releasably secured to the extensions by means of anchor pins 36 provided on the extensions.

The thus described unitary frame construction is swingable backwardly from the position in which the first portion 16 of the side members 14 of the first frame 10 rests upon a supporting surface with the standards 25 and apron 30 carried thereby extending in an upwardly-sloping direction leaning toward the second portion 17, the position shown in FIGURES 1 and 5, to a position in which the support rest 29 of the second frame 12 and the bight 18 connecting the second portions 17 of the first frame 10 rest upon a supporting surface, the position of FIG-

URE 3, to thereby support the body of a patient in a reposing position.

A second strap means designated by the numeral **38** is is also provided, and such means extends between and is securable to the first portion **16** of the frame **10** when the support rest **29** of the frame **12** and the bight **18** connecting the second portions of the first frame **10** rest upon a supporting surface, the position of FIGURE 3, to thereby afford a backing for a head support like a pillow (indicated in broken lines), when the body of a patient is supported in the reposing position. Specifically, the strap means embodies an elongated strap which has its ends portions wrapped about the first portions **16** and releasably secured to the first portions by means of anchor pins **39** provided on the first portions **16** of the side members **14** of the frame **10**.

What is claimed is:

1. A multi-way pillow comprising a unitary frame construction including a first open frame consisting of a pair of enlongated side members arranged in lateral spaced relation, each of said side members being crooked to a like extent to thereby divide said member into a first portion and a second portion, a bight extending between and secured to the free ends of the second portions of said side members, a first brace extending between and attached to the second portions of said side members, a sloping extension projecting from the free end of each of the first portions of said side members, an arm rest extending between each of said extensions and the adjacent second portion and attached thereto, and a second brace extending between and attached to the portions of said rests adjacent the second portions of said side members, a second open frame consisting of a pair of elongated standards arranged in lateral spaced relation, a U-shaped member disposed on one side of said standards with the bight extending crosswise and spaced from said standards and the legs substantially perpendicular to and fixedly attached to said standards adjacent to and spaced from one of the complemental ends of said standards, an inwardly-bowed support rest projecing from each of said one ends of said standards and having the free end fixedly attached to the bight of said member, and an apron extending between and covering substantially the entire length of said standards, said second frame being arranged so that the portions of said standards adjacent the other ends thereof overlie the first portions of said side members with the other ends adjacent to and spaced from the crooking of said side members, means pivotally connecting the other ends of said standards to the first portions of said side members for movement of said second frame from the position in which the aforesaid portions of its standards overlie the first portions of said side members to a position in which the standards extend to a vertical sloping direction leaning toward the second portions of said side members of said first frame, and stop means on the arm rests of said first frame and engageable with the standards of said second frame when the standards extend in the vertical sloping direction leaning toward the second portions of said side members for holding the second frame in the sloping direction position, said construction being positionable so that the first or second portions of said side members rest upon a supporting surface with the standards and apron carried thereby extending in an upwardly-sloping direction and the standards engaging said stop means to thereby support the body of a patient in a reclining position in either of two different angles and rest his arms upon the arm rests when in said reclining position, and said construction being swingable backwardly from the position in which the first portions rest upon a

supporting surface with the standards and apron carried thereby extending in an upwardly-sloping direction leaning toward the second portions and the standards engaging said stop means to a position in which the support rests of said second frame and the bight connecting the second portions to said first frame rests upon a supporting surface to thereby support the body of a patient in a reposing position.

2. The pillow according to claim **1** which includes in addition a first strap means extending between and securable to the extensions of said first portions when the first portions of said first frame rest upon a supporting surface to thereby engage the underneath upper portions of the legs of a patient when his body is supported in a reclining position.

3. The pillow according to claim **1** which includes in addition a second strap means extending between and securable to the first portions of said first frame when the support rests of said second frame and the bight connecting the second portions of said first frame rest upon a supporting surface to thereby afford a backing for a head support when the body of a patient is supported in a reposing position.

4. A portable, three-use-position, backrest unit of the character described, comprising: a pair of frames pivotally joined together, of which the first frame is formed with a laterally separated pair of longitudinally-crooked, side members, each formed of two, ground-contacting portions disposed to each other at an external angle greater than 180° so as to locate the unit at alternately tiltable, fore-and-aft, use positions,

and a second frame pivotally joined crosswise to and upstanding from said first frame intermediate the length of the first frame and movable between a use position upstanding therefrom and an alternate collapsed position adjacent the first frame.

said first frame having a crosswise-disposed seating element and the second frame providing a backing surface functionally disposable in conjunction therewith when the first frame is in either of said tilted positions and the second frame is upstanding therefrom,

the margin of said second frame which is outward from its pivoted connection being provided, opposite said backing surface, with ground-support means adapted (upon said backing surface being disposed in a third position overlying a supporting surface) to locate it spaced above said supporting surface with the first frame then disposed upstanding relative thereto and with the lower end of the latter being ground-supported and its upper end providing headspace between said laterally-separated side members for a person reposing on the backing surface of the second frame.

5. The unit of the preceding claim **4** wherein the side members of said first frame are each formed with upstanding arm rests and said second frame which is pivotally joined to the first frame is outwardly embraced by the first frame and thus is pivotally movable from the collapsed position wherein it is receivable between said arm rests, and the use position upstanding therefrom.

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FRANK B. SHERRY, *Primary Examiner.*