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(54) **Rocking bed**

(57) A rocking bed (1) comprising a frame (2) of substantially rectangular configuration in plan view and adapted for supporting a bed spring net and a matress. The end members (4) of the frame (2) are provided at the bottom with curved parts (9) intended to rest on the floor surface. At their respective ends the parts (9) have movable, e.g. pivoted feet (10) adapted to be moved from a retracted position where the bed (1) is allowed to rock to an extended position where the movable feet (10), by protruding downwards from the parts (9) to abut the floor surface, prevent the bed (1) from rocking.

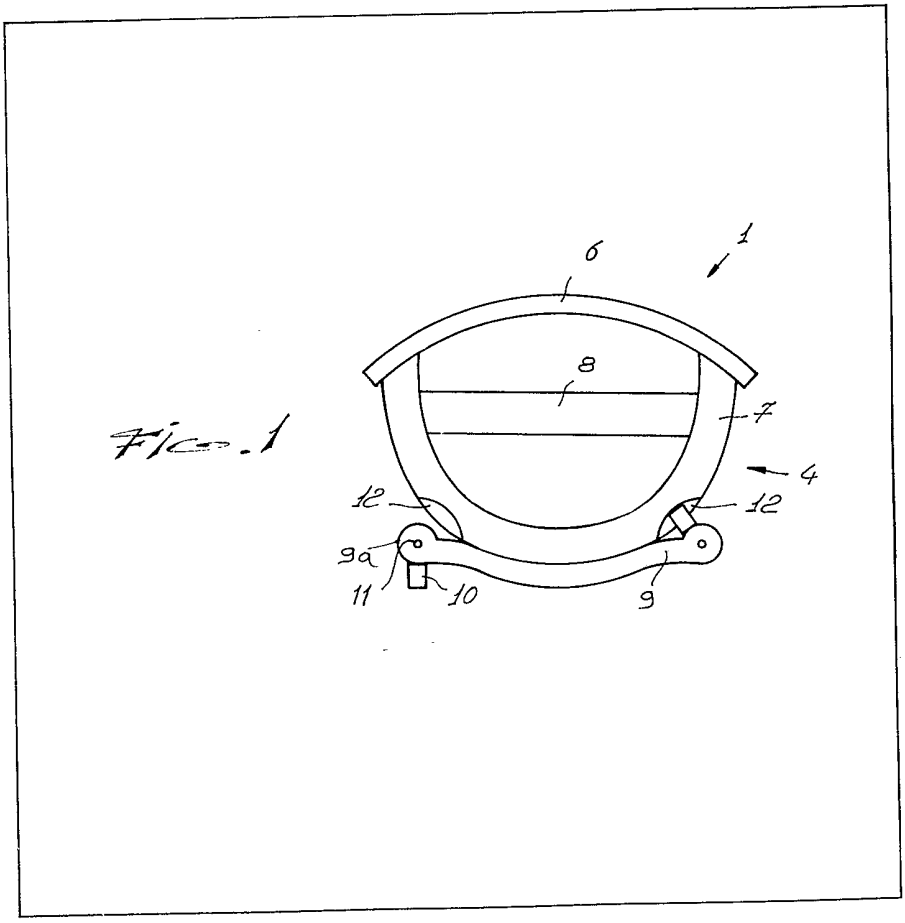

Fig. 1

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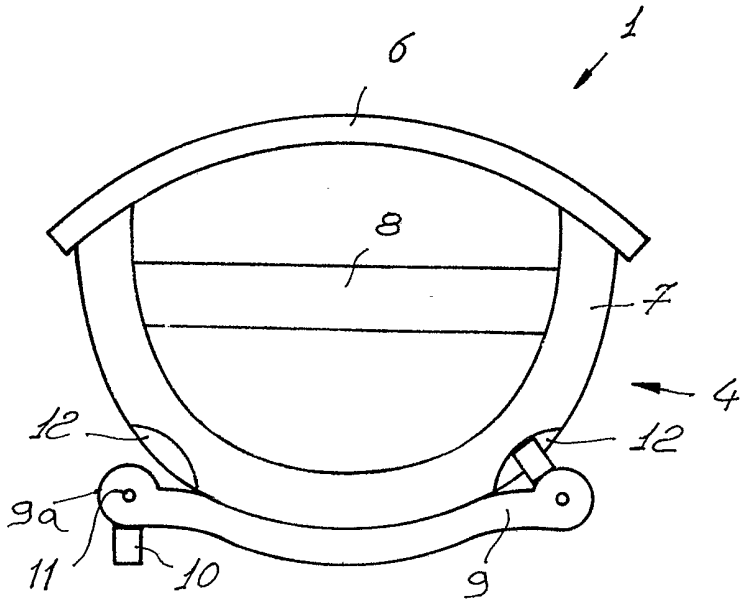

Fig.1

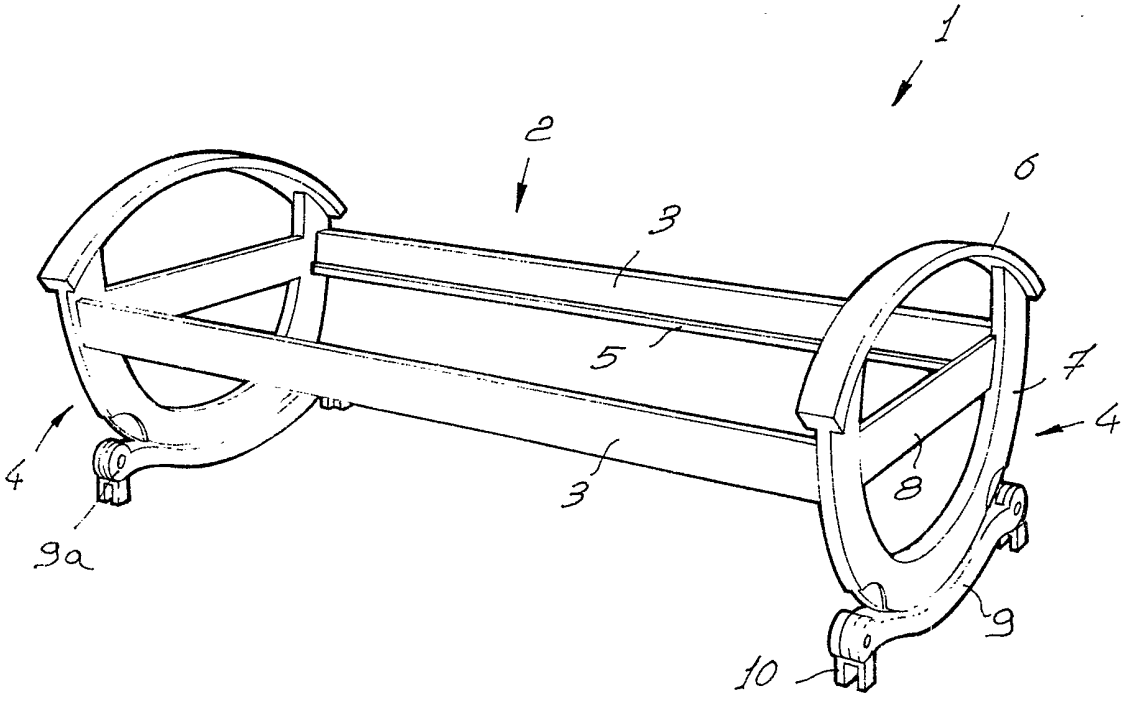

Fig.2

SPECIFICATION

Rocking bed

This invention relates to a rocking bed.

Known is that a swinging movement of the rest surface has a favourable influence on one's sleep or, at least, relaxation, as known is that interior architecture demands original approaches which, in addition to an appealing aesthetics, can offer novel and useful advantages for the user.

This invention sets out to provide a rocking bed which, while affording indisputable and manifest aesthetically pleasing features, can afford unique and highly relaxing characteristics.

Within that general aim, it is possible to arrange that the rocking bed of this invention has a particularly simple structure, is relatively easy to manufacture, safe to use, effective in operation, and of relatively low cost.

According to one aspect of the present invention, there is provided a rocking bed of a type which comprises a frame of substantially rectangular configuration in plan view and adapted for supporting a bed spring net and a matress, characterised in that the end members of said frame are provided at the bottom with profiled parts of substantially yoke-like shape intended to rest on the floor surface, at their respective ends said profiled parts having movable feet adapted to be moved from a retracted position where the bed is allowed to rock to an extended position where said movable feet, by protruding downwards from said profiled parts to abut the floor surface, prevent said bed from rocking.

Further features will be more clearly understood by making reference to the following detailed description of a preferred, though not limitative, embodiment of a rocking bed according to the invention, as illustrated by way of example only in the accompanying drawing, where:

Figure 1 is a front view of the rocking bed according to this invention; and

Figure 2 is a perspective view, from above, of the frame of the bed of Figure 1.

With reference to the drawing figures, the numeral 1 designates a rocking bed according to the invention, which bed comprises a frame 2, of rectangular shape in plan view, composed of two side members 3 and two end members 4; the facing surfaces of the side members 3 are provided with respective ledges 5 for supporting a conventional bed spring net, or even better, crosswise set wooden cross members (not shown), and related mattress. The end members 4, which include advantageously arcuate elements 6 and 7, and a crosspiece 8, are provided at the bottom with profiled parts 9 of yoke-like curved configuration which allow the bed to rock about a longitudinal axis thereof. If required, ledges 5 may be provided on the crosspieces 8 as well. The elements 6 and yokes 9 have both a radially flattened rectangular cross-section, whereas the elements 7 have a radially elongated rectangular cross-section. At their respective ends, the yokes 9 have feet 10 which, being hingedly connected to the profiled parts at cylindrical embossments 9*a* by means of pivot pins 11, are adapted to move from an upwardly tilted or retracted position, as shown on the left in Figure 1, where the bed is allowed to rock, to an extended or downwardly tilted position where, as shown on the right in Figure 1, by protruding downwards from the profiled parts 9 and abutting the floor surface, they prevent the bed from being rocked, the embossment periphery providing stop surfaces cooperating with the feet in the two end positions thereof.

The feet 10 may have any of several different forms: they may be either as shown in Figures 1 and 2, i.e. of inverted "U" configuration, or be crescent-like, or be concealed from view in recesses formed in the yokes 9 when retracted, said recesses being formed either on the top or bottom faces of the profiled parts 9. To allow for the swing-out movement of the feet 10, the elements 7 may be formed with undercuts or cutouts 12.

The bed according to the invention may be a single bed, as shown in the drawing, or double, or queen size.

The mode or operation of this bed is self-evident in the light of the foregoing structural description.

The invention as described is susceptible to many modifications and variations, which fall within the purview of the instant inventive concept. Thus, for example, the curvature of the yokes 9 and the shape of the feet 10, as well as the design of the end and side members, may differ from those described and illustrated, on condition that the bed be enabled to rock on the yokes 9 about its longitudinal axis; in particular, the arcuate elements 6 and 7 may be radiused toward each other such as to produce an oval pattern.

Moreover, all the details may be replaced with other technically equivalent elements.

It is contemplated that the bed of this invention can be constructed of such materials as wood or fibreglass. However, the materials employed, and the shapes and dimensions, may be any ones, as dictated by individual applicational requirements, without departing from the true scope of the appended claims.

CLAIMS

1. A rocking bed of a type which comprises a frame of substantially rectangular configuration in plan view and adapted for supporting a bed spring net and a mattress, characterised in that the end members of said frame are provided at the bottom with profiled parts of substantially yoke-like shape intended to rest on the floor surface, at their respective ends said profiled parts having movable feet adapted to be moved from a retracted position where the bed is allowed to rock to an extended position where said movable feet, by protruding downwards from said profiled parts to abut the floor surface, prevent said bed from rocking.

2. A rocking bed according to Claim 1, characterised in that said end members comprise two joined arcuate elements each, the top elements of said arcuate elements being adapted to act as lean-on elements whilst the bottom elements of said arcuate

elements are rigid with said yokes.

3. A rocking bed according to Claim 1, characterised in that said yokes are symmetrical with respect to a vertical longitudinal midplane of said bed and extend on orthogonal planes to said midplane.

4. A rocking bed substantially as herein described with reference to the accompanying drawing.

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