

S. S. KOYAMA.
SHIP'S CHAIR.
APPLICATION FILED JULY 15, 1920.

1,358,640.

Patented Nov. 9, 1920.

FIG. 1.

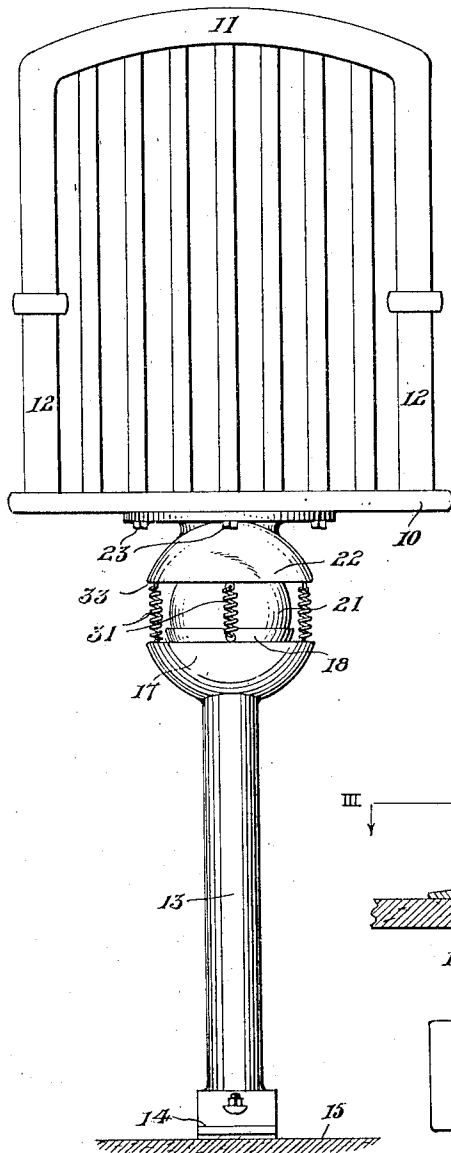


FIG. 2.

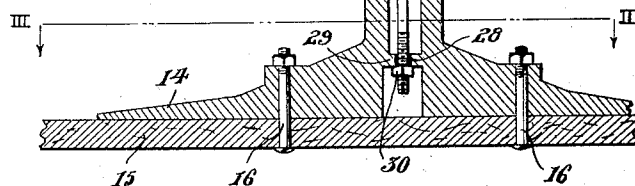
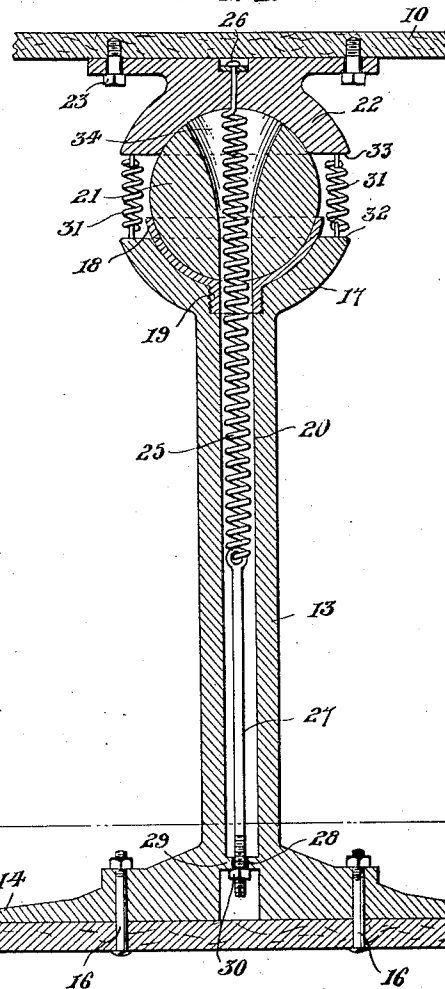
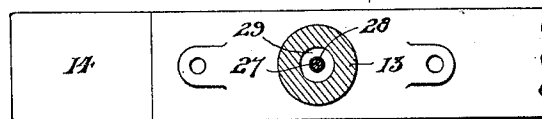


FIG. 3.



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SHIP'S CHAIR.

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To all whom it may concern:

Be it known that I, SPADY S. KOYAMA, a citizen of the United States of America, residing at Molson, in the county of Okanogan and State of Washington, have invented certain new and useful Improvements in Ships' Chairs, of which the following is a specification.

The primary object of the invention is the provision of a chair especially designed for use upon shipboard whereby the seat is automatically maintained in normal position for use and is capable of lateral oscillations at the will of the occupant.

A further object of the invention is the provision of a seat possessing great strength and taking up but little room although capable of use as both a standard and a rocking chair giving ease and comfort to the occupant.

A still further object of the invention is to provide a chair having a swiveled seat mounted for universal tilting movements and automatically maintained in its normal position for use, adjustable resilient return means being also provided.

With these general objects in view, the invention consists in the novel combination and arrangement of parts hereinafter more fully described in connection with the accompanying drawing and in which like reference characters designate corresponding parts throughout the several views.

In the drawing,

Figure 1 is an elevational view of the chair,

Fig. 2 is a central vertical sectional view through the seat and the supporting means, and

Fig. 3 is a horizontal transverse sectional view taken upon line III—III of Fig. 2.

My invention being in the nature of a chair provides an elevated seat of any desired form such as the seat 10 having a back 11 and side arms 12 of the usual chair construction. A tubular standard 13 is mounted by means of a bottom flange 14 upon the floor or deck 15, suitable securing means such as 16 being employed.

A substantially hemi-spherical socket 17 upon the top of the standard 13 has a cup 18 fitted therein with a nipple portion 19 threaded into the axle bore 20 of the standard 13. A journaling ball 21 is positioned in the cup 18 with a socket 22 mounted thereon, said socket 22 being similar to

the socket 17 and positioned opposite thereto, while the seat 10 is secured by bolts 23 upon said upper socket 22.

An opening 24 diametrically through the ball 21 has a return spring 25 extending therethrough and downwardly into the bore 20, the upper end of the spring being anchored as at 26 centrally through the socket 22 with the lower end of the spring secured to an adjustable rod 27. The rod 27 projects through a perforation 28 in a shoulder 29 adjacent the lower end of the bore 20 while a nut 30 upon said rod 27 below the shoulder 29 may be adjusted before the standard is secured to the floor for regulating the tension of the spring 25.

A plurality of springs 31 are connected between the adjacent faces 32 and 33 of the sockets 17 and 22 respectively for assisting the spring 25 in maintaining the seat 10 in its normal position and for returning the seat after being oscillated or partially turned rotarily. The upper end 34 of the bore 20 is flared or enlarged for accommodating the spring 25 during the oscillations of the seat 10 relatively of the standard 13, it being understood that the socket 22 is mounted for universal movement upon the ball 21 which is also capable of slight movement within the cup 18.

A strong and serviceable chair is provided in which the occupant may find comfort in tilting laterally in any direction desired as well as turning swivelly to a slight extent and while the form of the invention herein set forth is believed preferable, it will be understood that minor changes may be made therein without departing from the spirit and scope of the invention.

What is claimed as new is:

1. A ship's chair comprising a standard having a socket portion, a seat member positioned thereabove with a socket portion opposite the socket of the standard, an anti-friction ball within said sockets, the anti-friction member and standard having axial openings in normal alinement with each other and a return spring for the seat adjustably secured to the seat and standard members within said bores.

2. A ship's chair comprising a standard having a socket portion, a seat member positioned thereabove with a socket portion opposite the socket of the standard, an anti-friction ball within said sockets, the anti-friction member and standard having axial

openings in normal alinement with each other, a return spring for the seat adjustably secured to the seat and standard members within said bores, a plurality of springs between said seat and standard members secured to the adjacent faces of the socket portions thereof.

3. A ship's chair comprising a standard having an axial bore, a socket upon the standard, a cup threaded in said socket, a ball journaled in said cup having an opening in normal alinement, a seat member mounted for movement upon said ball and a spring connecting the seat member with the standard extending through said bore and opening.

4. A ship's chair comprising a standard having an axial bore, a socket upon the standard, a cup threaded in said socket, a ball journaled in said cup having an opening in normal alinement, a seat, a socket upon the bottom of the seat positioned for universal movement upon said ball, a spring adjustably secured between the seat member

and standard extending through said bore and opening, and a plurality of springs connected between the adjacent opposite faces of said sockets.

5. A chair comprising a standard and a seat, connections for universal movements between said seat and standard and resilient return means for the seat positioned centrally and outwardly of the standard.

6. A chair comprising a standard, a seat above the standard, a ball interposed between said seat and standard, resilient connections between said seat and standard extending centrally through said ball.

7. A chair comprising a standard, a seat above the standard, a ball interposed between said seat and standard, resilient connections between said seat and standard extending centrally through said ball, and positioning springs outwardly of the ball connected between adjacent portions of the seat and standard.

In testimony whereof I affix my signature.
SPADY S. KOYAMA.