J. L. KNIGHT.

MEZZANINE CHAIR.

APPLICATION FILED JULY 18, 1911.

1,039,759. Patented Oct. 1, 1912.

Fig. 1.

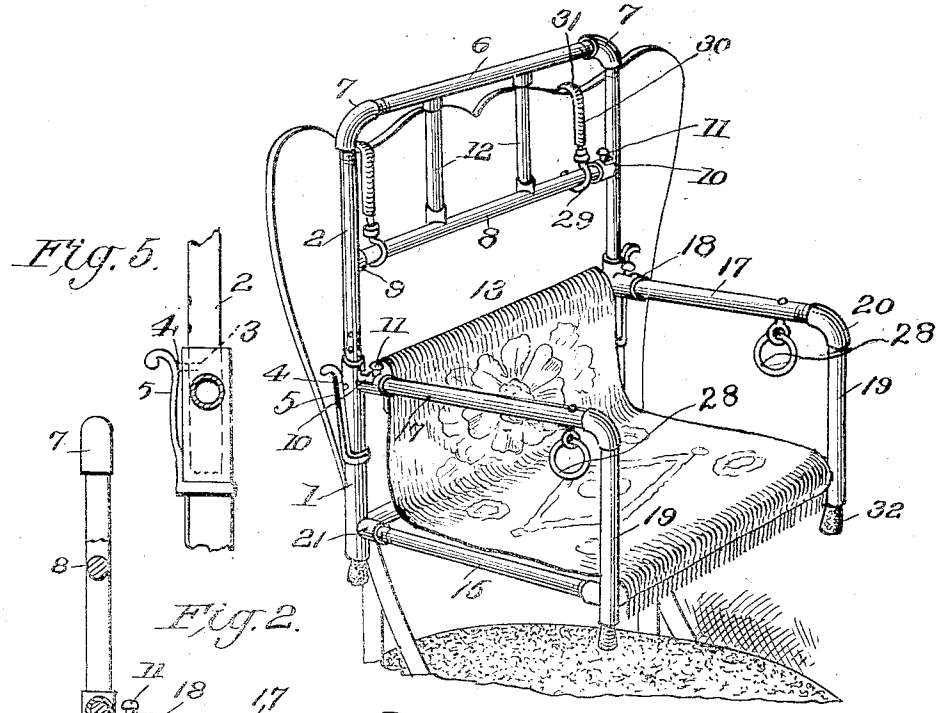


Fig. 5.

Fig. 2.

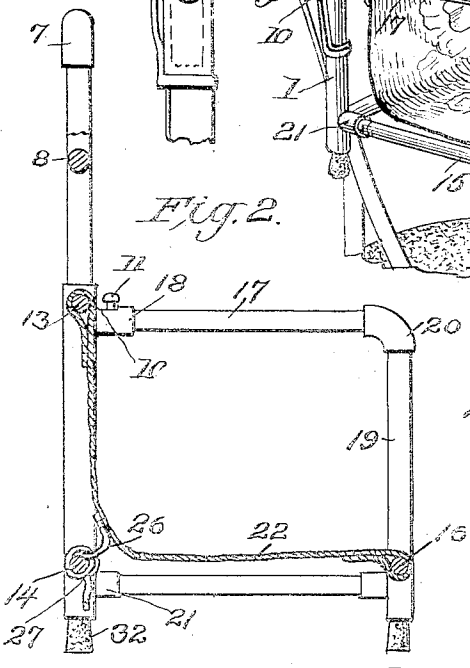


Fig. 3.

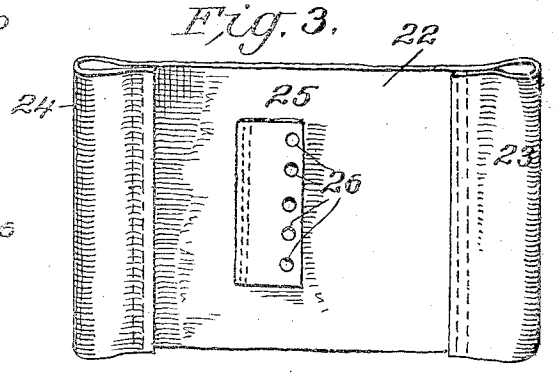
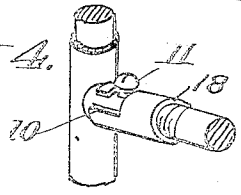


Fig. 4.



Witnesses

Frederick Espey

Juana M. Fallin.

Inventor

J. L. Knight

By

Attorneys

UNITED STATES PATENT OFFICE.

JONATHAN LEE KNIGHT, OF FOND DU LAC, WISCONSIN.

MEZZANINE-CHAIR.

1,039,759. Specification of Letters Patent. Patented Oct. 1, 1912.

Application filed July 18, 1911. Serial No. 639,159.

To all whom it may concern:

Be it known that I, JONATHAN LEE KNIGHT, citizen of the United States, residing at Fond du Lac, in the county of Fond du Lac and State of Wisconsin, have invented certain new and useful Improvements in Mezzanine-Chairs, of which the following is a specification.

This invention relates to chairs and chair attachments, and aims primarily to provide a chair particularly adapted for use by children and capable of being attached to any ordinary full sized chair to support the child in elevated position; one which may be used as a swing; and, one which may be used as a hammock.

One aim of the invention is to so construct the chair attachment that it may be readily adapted to any ordinary chair back and to provide for vertical adjustment of the seat with respect to the back so that the seat may be positioned at the desired elevation.

A further aim of the invention is to so construct the chair attachment that the parts thereof may be readily disconnected and packed in a small space so as to be readily carried from place to place.

The invention further aims to so construct the attachment that the attachment may be used as an ordinary chair or as a hammock.

For a full understanding of the invention reference is to be had to the following description and accompanying drawing, in which:—

Figure 1 is a perspective view of the attachment embodying the present invention, the same being illustrated as applied to the back of an ordinary chair. Fig. 2 is a vertical longitudinal sectional view therethrough. Fig. 3 is a bottom plan view of the seat of the attachment. Fig. 4 is a perspective view illustrating a connection between certain of the parts of the attachment. Fig. 5 is a vertical transverse sectional view illustrating the means of holding the seat of the attachment at the desired elevation.

Corresponding and like parts are referred to in the following description and indicated in all the views of the accompanying drawing by the same reference characters.

In the drawing, the attachment is illustrated as substantially in the form of an ordinary chair except for the absence of the usual legs. The back of the attachment comprises standards, each including a lower section 1 and an upper section 2, the sections 2 being fitted telescopically in the respective sections 1 and being formed with openings 3 to receive a stud 4 at the free end of a leaf spring 5 which is secured upon each of the lower sections 1. The studs 4 project through openings in the said sections 1, which openings register with the openings 3, and the upper sections 2 are in this manner held at adjustment in the said sections 1. The upper ends of the sections 2 of the standards above described are connected by means of a cross rung 6 which is removably threaded at its ends into elbow joints 7, the upper ends of the said sections 2 being also threaded into these joints. The back further includes a rung 8 which extends across between the sections 2 below the rung 6, each of the sections 2 being formed with a socket 9 having a bayonet slot 10 therein and the rungs being provided at each end with a stud 11 engaging in the respective socket 9. By means of a like connection one or more rods 12 are supported between the rungs 6 and 8.

A rung 13 extends across between the upper ends of the sections 1 of the standards of the back and a similar rung 14 connects these sections of the standards near their lower ends. In connecting the rungs 13 and 14 with the sections 1 of the back standards, sockets having bayonet slots, and studs upon the said rungs are preferably made use of, although any other connection designed to detachably connect these elements may be employed.

The rung 14 comprises a part of the seat-frame of the attachment, this frame being completed by side members 15 and a front member 16. The frame of the device also includes arm-rests 17 fitted at their rear ends in sockets 18 upon the sections 1 of the back standards supported at their forward ends by standards 19 which have connection therewith by means of elbow joints 20 into which the forward ends of the arm-rests and the upper ends of the standards 19 are threaded. The sections 1 of the back standards and the respective standards 19 are formed or provided with alining sockets 21 into which are fitted the ends of the side members 15, and the standards 19 are also formed with alining sockets into which are fitted the ends of the member 16.

The seat proper of the device is in the

nature of a suitable length of cloth or carpet 22 provided at its forward side with a hem 23 and at its rear side with a hem 24. A flap 25 is stitched or otherwise secured to the under side of the seat 22 transversely of the intermediate portion thereof and is provided with eyelets 26 through which is laced a cord 27. In arranging the seat within the frame, the member 16 of the seat-frame is inserted in the hem 23 of the seat and the rung 13 is inserted in the hem 24. The cord 27 is then laced about the rung 14 and through the eyelets 26, whereupon the seat will be supported in substantially the manner illustrated in Fig. 2 of the drawings.

Rings 28 are supported loosely from the arm-rests 17 and through these rings may be tied the ends of a strip of cloth for the purpose of holding a child securely within the seat.

As a means for supporting the attachment upon the back of an ordinary chair, there are provided suspension devices, each of which includes a hook 29 which is swiveled to the lower end of the shank 30 of a hook 31, and these hooks 29 of the suspension devices are interchangeably engageable with the rungs 6 and 8 at any point in their length, whereas the hooks 31 are engaged over the top of the back of an ordinary chair upon which the device is to be supported. These latter hooks are preferably rubber covered so as not to injure the finish of the chair. As stated, the hooks 29 may be engaged with the rung 8 at any point in its length and consequently the device embodying the invention may be supported by chair sections of different widths. Also, due to the fact that the hooks are connected by a swivel joint, the curvature of the chair back will not interfere with the engagement of the hooks 31 therewith.

It will be at times desirable to rest the device of the invention directly upon the seat of an ordinary chair and in order that the finish of the chair seat may not be injured, rubber pads 32 are fitted upon the lower ends of the standard sections 1 and the standards 19.

The manner of applying the device to an ordinary chair back will be readily apparent from inspection of Fig. 1 of the drawing, and when the device is to be used as a swing, suspension ropes may be secured at their lower ends through the ring 28 and the device suspended in proper position.

Should it be desired to use the device in a manner similar to the use of a hammock, the lacing string 27 is to be untied and the seat 22 will then conform to the position of the occupant of the device.

Having thus described the invention what is claimed as new is:—

1. A seat of the class described, comprising a seat-frame including front and rear frame members, a back including a rung, a seat proper comprising a flexible sheet of material attached at its front end to the front frame member of the seat-frame and at its rear end to the rung of the back, a flap secured to the said seat between its said ends, the said flap having eyelets, and a lacing cord laced through the eyelets and around the rear frame member of the seat-frame.

2. In a chair attachment of the class described, front and rear standards, a seat-frame including side members detachably connected at their ends to the front and rear standards at each side of the attachment and front and rear cross-members detachably connected at their ends to the front and rear standards respectively, and rungs detachably connected at their ends to the rear standards.

In testimony whereof, I affix my signature in presence of two witnesses.

JONATHAN LEE KNIGHT. [L. S.]

Witnesses:
M. A. Balfe,
H. E. Swett.