N. E. KURTEN.

BABY JUMPER.

APPLICATION FILED JULY 1, 1916.

1,238,693.

Patented Aug. 28, 1917.

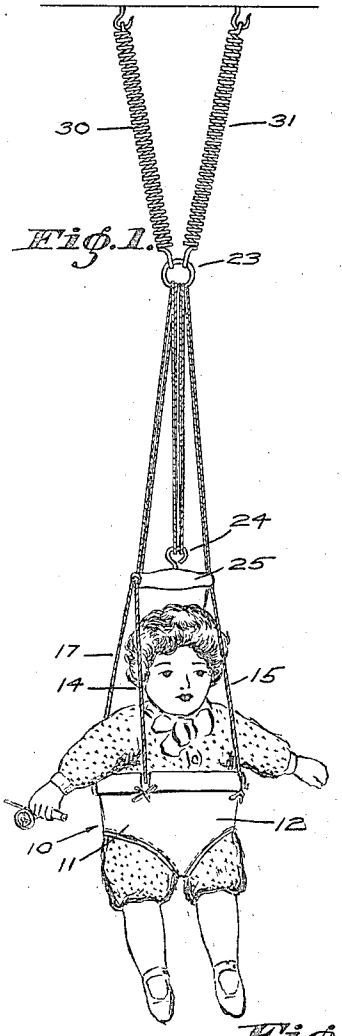


Fig. 1.

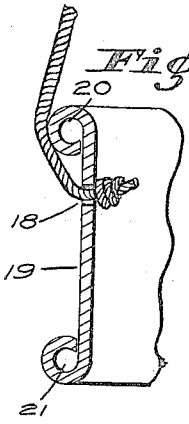


Fig. 3.

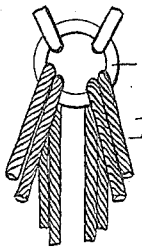
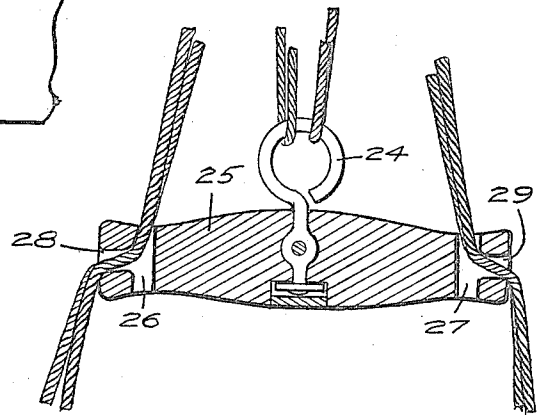


Fig. 2.



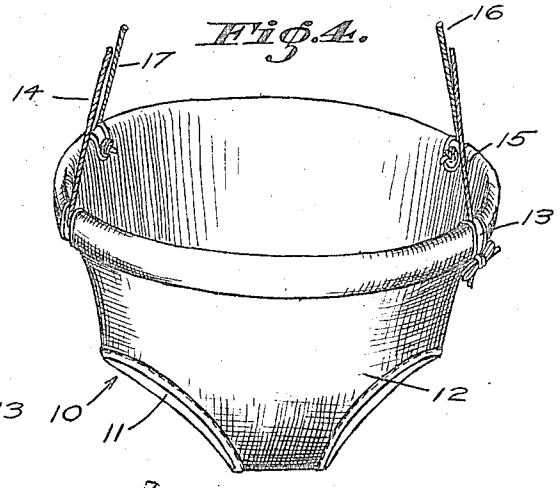


Fig. 4.

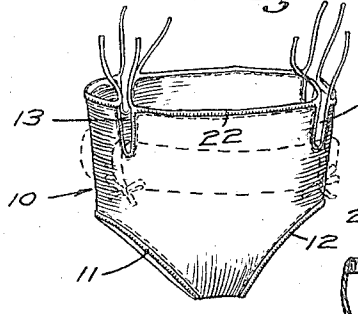


Fig. 5.

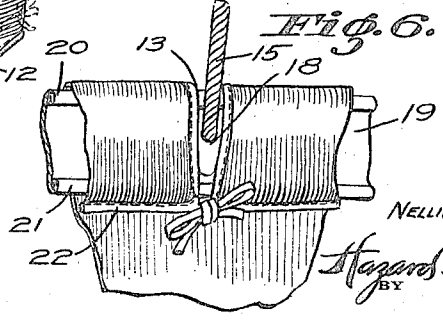


Fig. 6.

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BABY-JUMPER.

1,238,693. Specification of Letters Patent. Patented Aug. 28, 1917.

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To all whom it may concern:

Be it known that I, NELLIE E. KURTEN, a citizen of the United States, residing at Santa Monica, in the county of Los Angeles and State of California, have invented new and useful Improvements in Baby-Jumpers, of which the following is a specification.

This invention relates to a baby jumper and particularly pertains to a swing adapted to support infants and small children.

It is an object of this invention to provide a swing or jumper in which a small child may be placed and which will support the occupant in a manner to prevent its falling therefrom.

Another object is to provide a seat or sling within which the occupant is supported, said sling member being constructed to allow the free movement of the limbs of the occupant at all times.

Another object is to provide a resilient support for the sling so that the child may move around upon the floor and be partially supported by the jumper, in this manner enabling it to learn to walk and preventing the entire weight of its body being carried by its limbs.

Another object is to provide simple means whereby the sling may be vertically adjusted in relation to the floor to accommodate children of various heights.

Another object is to provide the supporting sling with simple means for permitting it to be removed from its support and replaced thereon after being laundried.

Another object is to construct a sling and a supporting frame therefor which will naturally support the body of the child and will not bind or cramp.

A further object is to provide a baby jumper which is light in construction and which may be easily and inexpensively manufactured.

Other objects will appear hereinafter.

The invention is illustrated in the accompanying drawings in which:

Figure 1 is a view illustrating the application of the baby jumper.

Fig. 2 is a view in partial section illustrating the supporting members provided for the sling and the means whereby they may be adjusted to accommodate children of various heights.

Fig. 3 is a view in fragmentary vertical section illustrating the connection between the supporting members and the frame sling.

Fig. 4 is a fragmentary view in perspective illustrating the sling as supported by the supporting members and prepared for the reception of an occupant.

Fig. 5 is a perspective view drawn on a reduced scale illustrating the initial step in removing or mounting the sling upon its frame and shows in dotted lines the assembled position.

Fig. 6 is a fragmentary view in elevation of one of the supporting members in connection with the sling frame and further illustrates in detail the manner in which the sling is secured around the supporting member and upon its frame.

Referring to the drawings more particularly, 10 indicates a fabric sling member which is formed substantially in the shape of a pair of trunks having limb apertures 11 and 12 therethrough for the accommodation of the lower limbs of the occupant. The sling is formed with a series of four longitudinally extending slots 13 which are at right angles to its upper marginal edge and are adapted to pass around supporting ropes 14, 15, 16 and 17 which are secured at their lower ends through openings 18 in an annular sling frame member 19. The frame member 19 is preferably formed of sheet metal and is here shown as having its marginal edges rolled over to form reinforcing beads 20 and 21. The sling is formed with a binding tape 22 which is stitched along the upper marginal edge thereof and is adapted to be tied together at the corners of the slots 13. In this manner the sling is held upon its frame.

The annular frame 19 is, as previously stated, supported by the ropes 14—17 inclusive. These ropes extend upwardly and are led through a ring 23 and from thence downwardly into engagement with an eye bolt 24 which is secured within a clamping bar 25. It will thus be seen that the rope portions 14 and 15 are formed of a single continuous member and that the rope portions 16 and 17 are similarly formed, their terminating ends being knotted after having passed through the openings in the supporting ring 19 to retain them in position. The clamping bar 25 is formed at its ends with a pair of parallel openings 26 and 27 which extend transversely through the bar

and are communicated with by longitudinally extending bores 28 and 29 positioned at right angles to the parallel bores. As particularly seen in Fig. 2 of the drawings, this arrangement provides a suitable clamp for the supporting ropes as they are led through the longitudinal bores and upwardly through the parallel bores, and thus provides adjustment for the sling.

The ring 23 upon which the supporting ropes are hung is dependent from the ceiling or other suitable support by means of resilient coil springs 30 and 31 which are of sufficient tension to resiliently support the weight of the occupant.

When the swing is used, it is suitably supported by its spring members 30 and 31 to which the supporting cords are connected by the ring 23. The clamping bar 25 is adjusted in connection with the supporting ropes so that the sling is at a suitable height to allow the occupant to either be supported above the floor or free to stand within the sling member. It will therefore be seen that by adjustment, the device may be used either as a swing or as a baby jumper or walker.

When it is desired, for any reason, to remove the fabric sling member 10, the binding strips 22 are untied and thus the member may be readily removed from the supporting frame.

It will thus be seen that the swing here provided is simple in construction, is fitted with a resilient support, may be adjustably manipulated to provide either a swing or a bouncer, and is provided with a seat or sling portion within which small children may be placed with safety.

I claim:

1. A baby jumper comprising a resilient supporting member, an annular rigid frame member, a rope swing attached to the annular rigid frame member and passing upwardly through the supporting member and downwardly, and a clamping bar having angular openings in its end through which said ropes pass, and the ends of the ropes being attached to the clamping bar, so that the frame member may be adjusted up and down.

2. A baby jumper, comprising resilient supporting means, an annular sling frame, rope swing members, the terminating ends of which are secured to said sling frame, the lengths of which are looped to pass through an eye upon said supporting member, a clamping bar to which the loop ends of said swing members are connected, and means whereby said clamping bar may be adjustably secured at any point along the swing members between the annular frame and the ring of the supporting member.

3. A baby jumper, comprising a resilient supporting member, a ring engaged by the lower end of said supporting member, an annular rigid frame member, a rope swing supporting said frame member from the ring, said swing comprising a pair of ropes, the free ends of which are separably secured to the frame member and spaced therearound, the folded ends of said ropes passing through the ring, and an adjustable clamping bar mounted upon said ropes and engaged by the folded ends thereof whereby the frame member may be vertically raised and lowered, as desired.

4. A baby jumper, comprising a resilient supporting member, a ring secured at the lower end of said supporting member, an annular rigid frame member, a pair of ropes forming a swing by which said frame is supported from the ring, said ropes being folded and secured at their ends to the supporting frame, a clamping bar having angularly formed openings in its opposite ends through which the folded portions of said ropes are adapted to pass to the supporting ring, and an eye member secured to said clamping bar and adapted to be engaged by the looped ends of said ropes after they have passed through the supporting ring.

5. In a baby jumper, rope swing members, the ends of which are secured to a supporting seat, a clamping bar having longitudinally extending openings in its opposite ends, openings at right-angles thereto through which the folded central portions of said ropes may be led, a supporting ring through which the folded central portions of the ropes are carried, and an eye bolt connected at the center of said clamping bar and adapted to slidably engage the folded ends of the ropes.

In testimony whereof I have signed my name to this specification.

NELLIE E. KURTEN.