

R. H. HOLMES.
 COMBINATION BABY CHAIR AND CRIB.
 APPLICATION FILED FEB. 10, 1921.

1,403,552.

Patented Jan. 17, 1922.

2 SHEETS—SHEET 1.

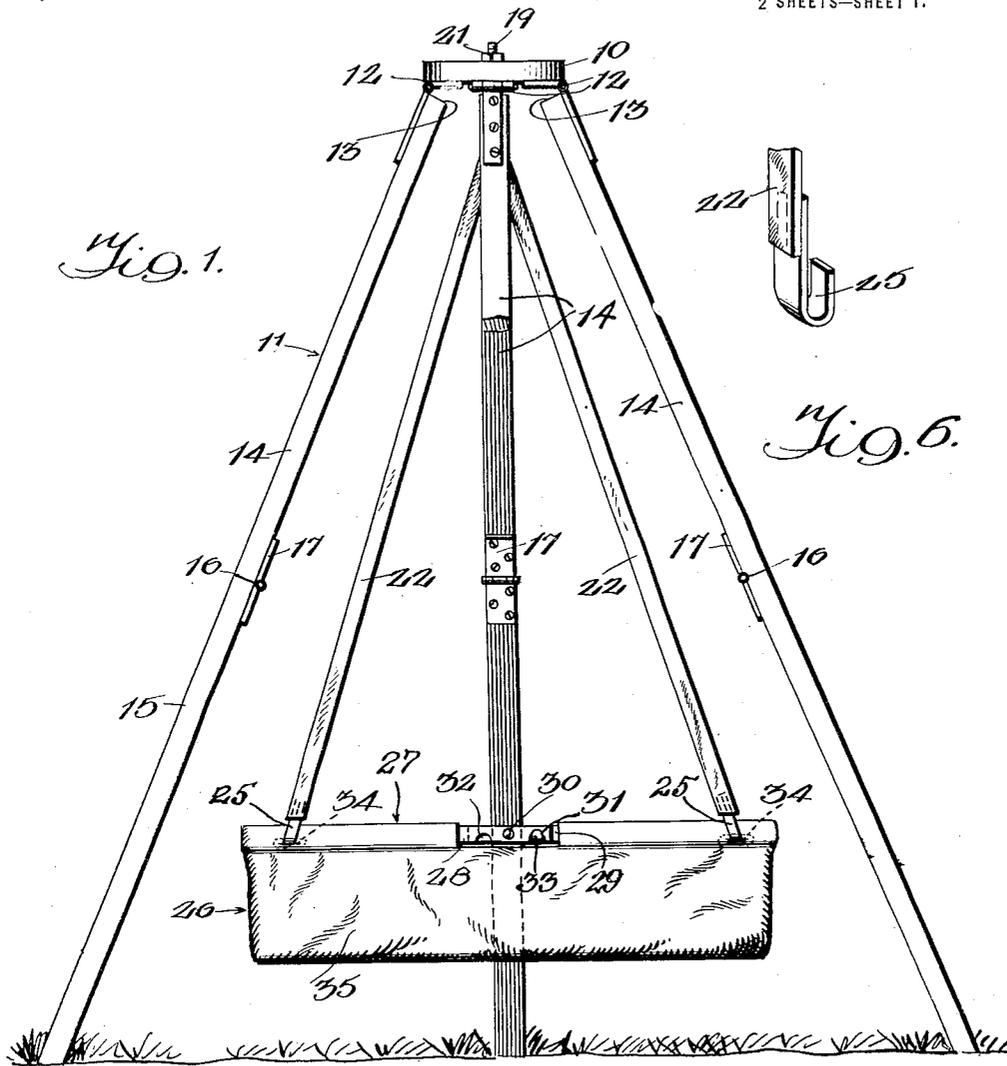


Fig. 1.

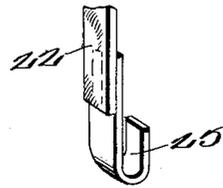


Fig. 6.

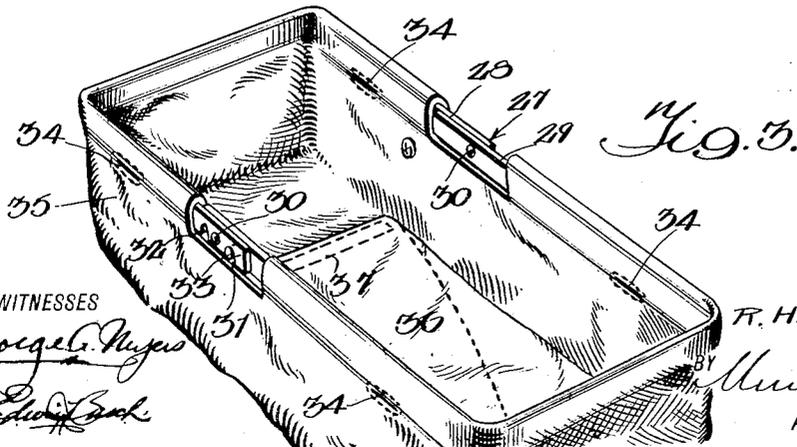


Fig. 5.

WITNESSES
George C. Myers
J. Paul Cook

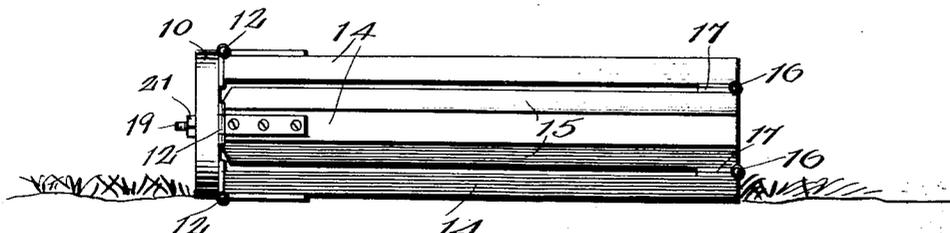
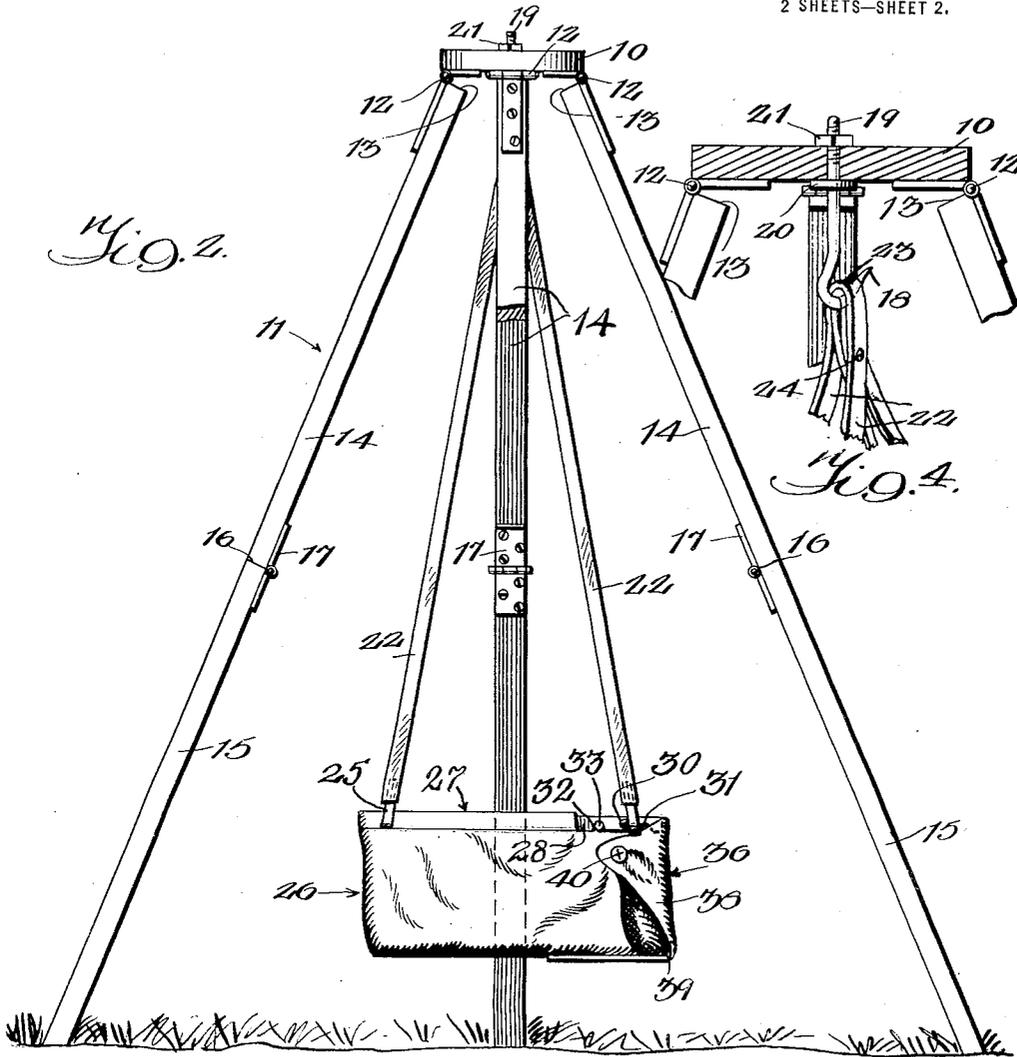
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2 SHEETS—SHEET 2.



WITNESSES

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Fig. 5.

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UNITED STATES PATENT OFFICE.

ROY HERBERT HOLMES, OF ATLANTA, GEORGIA.

COMBINATION BABY CHAIR AND CRIB.

1,403,552.

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To all whom it may concern:

Be it known that I, ROY HERBERT HOLMES, a citizen of the United States, and a resident of Atlanta, in the county of Fulton and State of Georgia, have invented certain new and useful Improvements in Combination Baby Chairs and Cribs, of which the following is a specification.

This invention relates to an improved baby chair, and more particularly to an improved combination baby chair and crib or bed adapted for use either outdoors or indoors and designed to be readily converted to different positions for use as a crib or bed or as a chair or seat, as stated.

A further object of the invention is to provide an improved support or frame for suspending the combination chair and crib proper or receptacle by which the latter may be formed, which may be compactly folded for shipment or transportation, so that the same may be carried from place to place, the same being adapted to be accommodated in a trunk or other apparel containing case if desired, without occupying a large amount of space.

A further object of the invention is to provide a combination baby chair and crib which may be suspended at any convenient place other than by means of the frame above referred to, and which embodies a simple, light and collapsible frame adapted to be readily changed from one position to the other and which will form a very comfortable bed or crib when extended, and when folded or collapsed to the position of a seat or chair, will by reason of the construction thereof, positively retain the child or infant in a comfortable position and against falling out, the complete device producing a "silent nurse" so to speak.

Other and further objects of my invention will become readily apparent to persons skilled in the art, from a consideration of the following description when taken in conjunction with the accompanying drawings, wherein:—

Figure 1 is a side elevation of the device in position for use as a crib or bed,

Figure 2 is a view similar to Figure 1 showing the top at the near side broken off as in Figure 1, and showing the bed or crib folded or collapsed to produce a chair or seat.

Figure 3 is a perspective view of the receptacle proper, from which the crib or chair is produced, and in position as a bed or crib,

Figure 4 is a fragmental vertical sectional view diametrically of the top portion of the supporting frame,

Figure 5 is an elevation of the frame folded, and

Figure 6 is a detail fragmental perspective view of the lower end of a suspension strap.

Referring to the drawings in detail, in which like reference characters designate corresponding parts throughout the several views, there is shown a frame comprising a head or top plate 10 in the form of a circular disk, to which a series of foldable props 11 are hinged in opposed pairs at diametrically opposite points, as indicated at 12, near the circumferential edge thereof and adapted for outward swinging movement or to be positioned coextensive and perpendicularly or at right angles to said plate, when the upper ends 13 will form shoulders to abut with the leaves of the hinges which are secured against the bottom face of the plate 10, the other leaves being secured against the outer faces of the props at the upper ends thereof. The props 11 are each preferably constructed of upper and lower sections 14 and 15 having their ends disposed in abutting relation as indicated at 16 when they are disposed in coextensive position and braced in this position by said abutting ends and hinges 17 which pivotally connect the same at the inside, the joints of the hinges being disposed at the line of the meeting faces, in order that the frame may be extended with the legs or props diverging outwardly and downwardly in opposed inverted V-shaped formation when the device is in operative position, or converging toward their points of attachment to the head or top plate 10. On the other hand, the sections 15 may be folded upwardly against the sections 14, and when all of the legs or props are thus folded through the medium of the hinged sections thereof, the frame may be folded or collapsed in the manner shown in Figure 4 of the drawings so as to be very compact and thereby occupy a minimum amount of space for shipment or transportation, in addition to the convenience in this folded up form, for carrying.

Centrally or axially of the head or top plate 10, there is supported a suspending hook 18, which as shown, has its shank extending through an opening in the plate and anchored against displacement by a

washer or shoulder 20 at the bottom and a suitable lock nut or nuts 21 at the top, although it is to be understood that any other suitable way of employing the hook in position may be employed. This hook is designed to support a series of suspending straps or hangers 22, which may be of leather, tape, or other suitable material, of flexible or rigid form as desired, and especially and more desirably the former. As shown, the suspending straps or hangers 22 are preferably formed in two sections folded on themselves intermediately of the lengths thereof and riveted or otherwise connected below a loop 23 formed at the upper end thereof for engagement with the hook 18 or other suspending device carried by the head or top plate as shown at 24, in order that displacement of the loops will be prevented, and in order that the length of all four straps or hangers will be uniform. At their lower extremities, the straps are formed with suitable means for connecting the same to the receptacle or basket forming the crib or bed, or the chair or seat proper, such means consisting of adjustable loops, buckle and strap connections, metallic hooks 25, or other suitable means affording a convenient and secure connection for this purpose.

The receptacle or basket proper is indicated at 26 and comprises a rim or frame 27 consisting of two U-shaped sections 28 and 29 of metal or other suitable material disposed in reverse position and pivotally connected near their overlapping extremities as shown at 30, intermediately of the opposite or longer sides, thus producing an elongated rectangular frame. At either side of the pivot 30, the side extremities of the outer section are provided with recesses 31 and 32, the former being designed to engage projecting pins or studs 33 extending outwardly from the overlapping portions at the side extremities of the section 29 which fits within the sides of the section 28, so as to brace the frame against collapsing or folding upwardly, that is, against the sections 28 and 29 thereof folding upwardly toward each other when the device is suspended in the manner shown in Figure 1 of the drawings by engagement of the straps or hangers 22 through the medium of the engaging means 25 with the frame, as through the medium of suitable openings 34 provided near the corners thereof in opposed relation at the longer sides. The recesses 32 are designed to engage said pins or studs when said frame sections are collapsed or folded one within the other on the pivots 30 which are disposed in alignment at the opposite sides, the recesses 31 being disengaged from the pins by gripping the ends of the frame sections and ex-

erting pressure to collapse them in a downward direction from the positions shown in Figures 1 and 3 to the position shown in Figure 2, when the recesses 32 will engage the studs and prevent further movement so that the frame sections will be held in alignment, after which the straps may be connected therewith as shown in Figure 2. In this manner, the hangers or straps will adjust themselves to the position of the receptacle or basket and being of equal length, the frame will be horizontally supported or suspended. The frame serves as means for the attachment of a flexible canvas or cloth receptacle or basket portion 35, the cloth being folded over and secured around the joints of the sections of the frame cut away to accommodate the interconnected parts and permit the device to be arranged in either of the two positions described.

When the device is in the position shown in Figures 1 and 3, it is employed as a bed or crib and when folded from this position to the position shown in Figure 2, so that one end of the cloth portion will be received within the other in an inverted position, it will form a seat or baby chair when suspended as shown in Figure 2. In order to insure safety against the child falling out, a cloth section or bib 36 is secured to the bottom as indicated at 37, along the edge or one end thereof and said bib is enlarged at opposite sides toward the free end so that the extensions 38 may be folded against the sides of the collapsed receptacle or basket 35 to close the adjacent end and form a crotch portion with openings 39 through which the legs may be extended in order to insure a comfortable sitting position, with the legs hanging downwardly. The free ends of the extension are provided with suitable means as indicated at 40 for securing the same against the opposite sides of the seat, and as shown, when the bib or apron is thus folded back it may be fastened by buttons and buttonholes or other like devices. When the device is extended as shown in Figures 1 and 3, it will form a receptacle or basket serving as a bed or crib in which the infant may be placed in a reclining position, suitable bottom coverings and a pillow being employed if desired. Of course, the covering and the pillow form no part of the invention and are omitted for the sake of clearness. When the device is in the position shown in Figure 2, the end of the cloth receptacle forms the back of the chair or seat, in addition to the sides, thus bracing the abdomen, although a pillow may be used in connection therewith if desired.

It will thus be manifest that I have provided a very simple and economical form

of combined bed and seat for the purposes stated, the straps if flexible serving to render the device a bouncer, while also permitting it to be agitated in either direction or swung slightly when suspended from the foldable frame in the manner shown in Figures 1 and 2 of the drawings.

In view of the foregoing, it is thought that the use of the device will be readily understood and in view of the simplicity and practical value, that it will readily commend itself to use.

Having thus described my invention, what I claim is:—

1. A combination baby chair and crib comprising a supporting frame having a head plate, hangers suspended therefrom and a basket at the lower ends of the hangers and foldable to form a seat, said basket having means to connect the hangers thereto interchangeably at one end and intermediately thereof at the sides.

2. In a combination baby chair and crib, a frame comprising a head plate, legs hinged thereto and adapted to extend outwardly and downwardly in divergent relation in opposite positions, a hanger member carried by the head and extending downwardly and centrally therefrom, flexible straps having a loop engaged with said hangers, and a foldable basket engageable with the lower ends of the straps and having a frame comprising jointed sections adapted to be folded one upon the other to form an open ended seat, and means for closing the end of said seat and provide leg openings for the occupant.

3. In a device of the class described, a foldable frame comprising a top plate, struts hinged thereto at diametrically opposite points and comprising hinged sections, said sections being adapted to be folded upon themselves toward said top plate, and a suspension member secured centrally to the top plate and accommodated between said struts.

4. In a device of the class described, a foldable frame comprising a top plate, struts hinged thereto at diametrically opposite points and comprising hinged sections, said sections being adapted to be folded upon themselves toward said top plate, a suspension member secured centrally to the top plate and accommodated between said struts when folded, straps suspended from said suspension member, and a combined crib and chair engageable by the lower ends thereof, and comprising a frame consisting of pivoted U-shaped sections, means at the sides of said sections to hold the same rigidly in coextensive or folded position and a flexible receptacle-like body attached to the frame and including a bib fastened to the bottom thereof and designed to close one end of the same when folded and to produce leg openings at the opposite sides of the bib,

said bib having means for securing the same against the sides of the receptacle.

5. In a baby tender of the class described, a frame having opposed pairs of legs, a head plate to which said legs are connected at the upper ends thereof and provided with a suspending member at the bottom thereof, said legs extending outwardly and bracing the head in fixed position upon a support, hangers carried by said suspending member and arranged in opposed pairs, and a convertible seat and crib device carried at the lower end thereof.

6. In a baby tender of the class described, a frame having opposed pairs of legs, a head plate to which said legs are connected at the upper ends thereof and provided with a suspending member at the bottom thereof, said legs extending outwardly and bracing the head in fixed position upon a support, hangers carried by said suspending member and arranged in opposed pairs, a convertible seat and crib device carried at the lower end thereof, said device having a frame and a cloth receptacle secured thereto, and cooperative means between the hangers and the frame for detachably supporting said device in either position.

7. The combination with a supporting frame and suspending straps hung centrally therefrom, said frame being relatively small at the top and enlarged toward the lower end thereof or bottom, and a convertible bed and chair for engagement with the lower ends of the straps, said convertible device comprising a rectangular frame consisting of U-shaped sections having their leg portions disposed in overlapping relation and pivotally connected, means at said leg portions for bracing the sections in extended position in alinement with each other or folded one within the other to form a bed or chair as stated, said frame when folded being open at one end, a basket-like member secured to the frame and formed of flexible material so that one end may fit within the other in an inverted position for use as a chair and to form a receptacle closed on all sides except the top when the frame is open.

8. The combination with a supporting frame and suspending straps hung centrally therefrom, said frame being relatively small at the top and enlarged toward the lower end thereof or bottom, a convertible bed and chair for engagement with the lower ends of the straps, said convertible device comprising a rectangular frame consisting of U-shaped sections having their leg portions disposed in overlapping relation and pivotally connected, means at said leg portions for bracing the sections in extended position in alinement with each other or folded one within the other to form a bed or chair as stated, said frame when folded being open at one end, a basket-like member se-

cured to the frame and formed of flexible material so that one end may fit within the other in an inverted position for use as a chair, and a flexible apron secured to the inside of the bottom portion of the flexible receptacle transversely adjacent to the center thereof and enlarged in width toward its free end, said apron being adapted to fold against the open end of the chair when the frame is folded, and means for securing the opposed sides of the apron adjacent to the free end thereof against the opposite sides of the seat.

ROY HERBERT HOLMES.