Nov. 3, 1942. L. KIESOW 2,300,425

BABY BED AND STROLLER

Filed June 3, 1938 2 Sheets-Sheet 1

Fig. 1

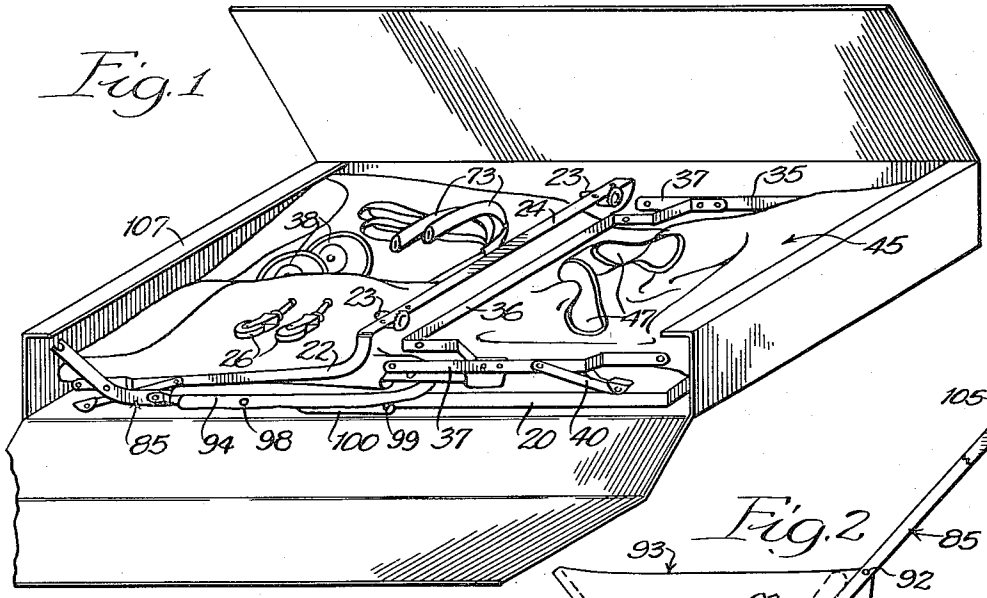


Fig. 2

Fig. 4

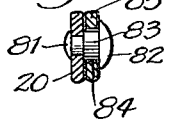
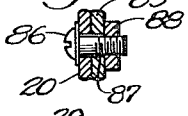


Fig. 5



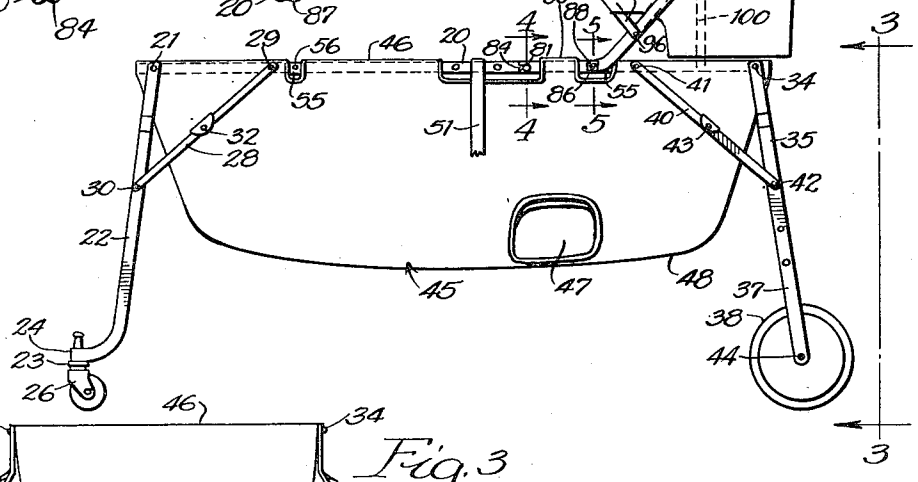
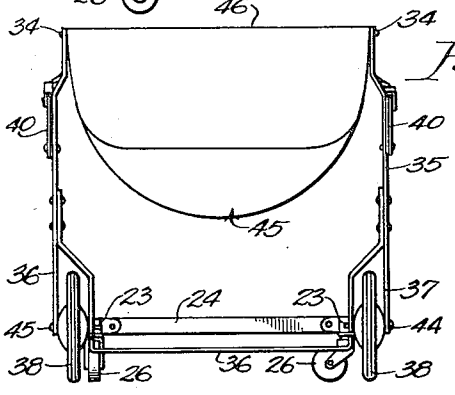


Fig. 3



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BABY BED AND STROLLER

Filed June 3, 1938 2 Sheets-Sheet 2

Fig. 6

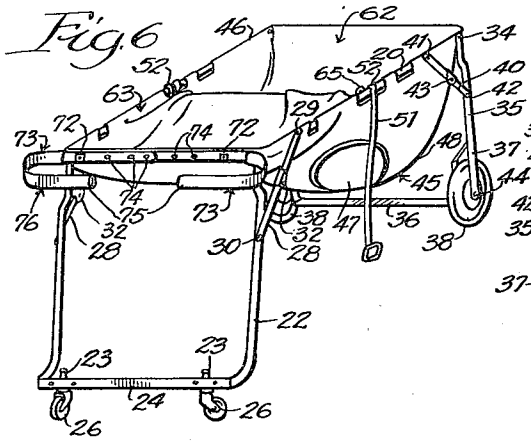


Fig. 7

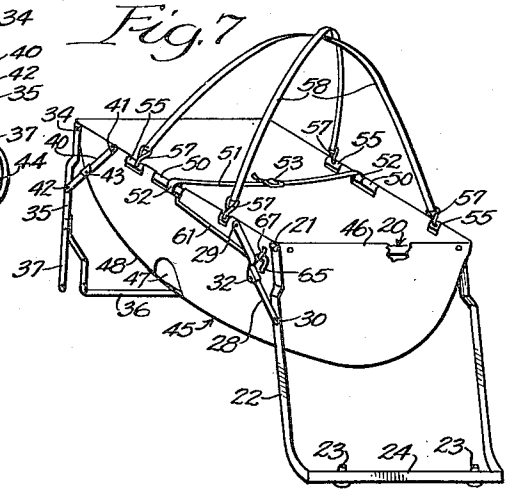


Fig. 8

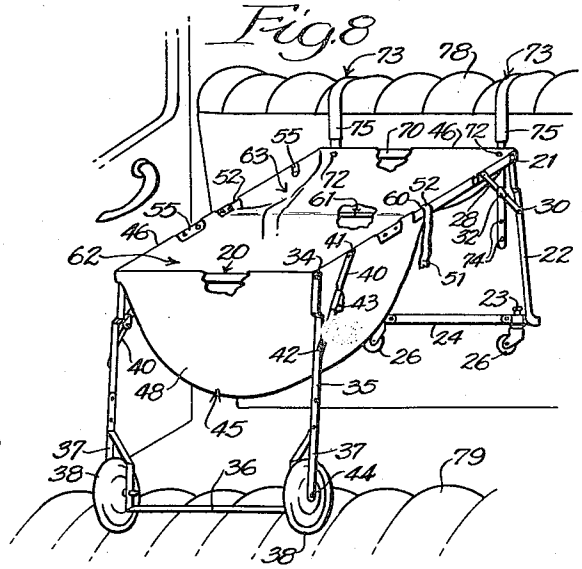


Fig. 9

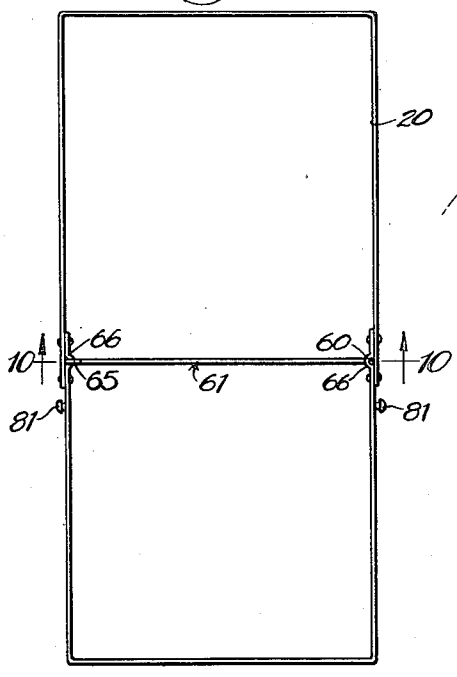
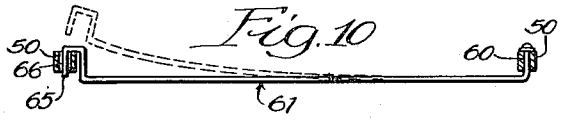


Fig. 10



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Patented Nov. 3, 1942

2,360,425

UNITED STATES PATENT OFFICE

2,300,425

BABY BED AND STROLLER

Lothar Kiesow, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York

Application June 3, 1938, Serial No. 211,487

7 Claims. (Cl. 155—22)

This invention relates to baby holders and is concerned more particularly with a construction which by simple adjustments may be adapted for a variety of uses.

It is an object of the invention to provide a device of the character referred to which may serve as an aid to teach an infant how to walk.

It is another object to provide a device of the character referred to which by simple adjustments may serve as a stationary or a movable support for an infant.

It is also an object to provide a device of the character referred to which may be carried on one's arm like a market basket.

It is also an object to provide a device of this character affording means whereby an infant may sit up, together with an adjacent support for playthings within easy reach of the infant.

A further object is to provide a device of the character referred to with shock absorbing bumper means.

It is another object to provide a device of the character referred to adapted to be supported by the seats of an automobile so as to allow the infant to assume a seated or supine posture.

A further object of the invention resides in the provision of a device of the character referred to which is readily collapsible and adapted to be stored in a package having a length and breadth approximating those of the frame of the device and a height only slightly greater than the height of said frame.

Further objects and advantages of the invention will appear as the description proceeds.

The invention will be understood upon reference to the accompanying drawings, wherein:

Fig. 1 is a fragmentary isometric view of a device embodying the invention in knock-down condition, in a shipping package;

Fig. 2 is a side elevation of a baby holder made up of certain of the parts of Fig. 1 properly assembled;

Fig. 3 is a rear end elevation, taken as indicated by the line 3—3 in Fig. 2, the hood being removed;

Fig. 4 is an enlarged sectional view taken as indicated by the line 4—4 in Fig. 2;

Fig. 5 is an enlarged sectional view taken as indicated by the line 5—5 in Fig. 2;

Fig. 6 is an isometric view of the structure shown in Fig. 3 but equipped with a bumper and with the fabric differently adjusted;

Fig. 7 is an isometric view of the structure shown in Fig. 3 but with the wheels removed and straps added to enable the support to be carried over an arm;

Fig. 8 is an isometric view showing the structure of Fig. 6 but adjusted to provide a hanger, the device being supported on the seats of an automobile;

Fig. 9 is a plan view of the frame, adjusted to maintain the fabric in the condition shown in Fig. 6;

Fig. 10 is an enlarged sectional view taken as indicated by the line 10—10 in Fig. 9.

Referring now more particularly to the drawings, I have provided a frame which may be of any suitable shape but is preferably rectangular as shown at 20. The frame may be made of any suitable material but is preferably made of strap metal.

Pivotally connected at the sides of the frame adjacent the forward end thereof as shown at 21 is a yoke 22. Caster sockets 23 are supported by the bight 24 of the yoke, and are adapted to receive casters 26. A knee link 28 pivoted at 29 to the frame rearwardly of the pivots 21 and also pivoted at 30 to each arm of the yoke 22 serves to hold the yoke rigidly in the position shown in Fig. 1, but is collapsible because of its hinge 32 to allow the yoke to lie in substantially the same plane as the frame 20.

Pivotally connected at 34 to the sides of the frame at the rear end thereof is a yoke 35 which has its bight 36 offset and has extensions 37 spaced outwardly from the bight 36 to provide therewith two sets of bearings in which wheels 38 are supported. A knee link 40 is pivoted at 41 to the frame forwardly of the pivots 34 and is pivoted at 42 to the yoke 35, and may serve to maintain the yoke 35 rigidly in the position shown in Fig. 2, but, by virtue of its hinge 43, may collapse and allow the yoke 35 to lie in substantially the same plane as the frame 20. The wheels 38 are supported on removable axles 44.

A hammock 45 of sufficient length to accommodate an infant has a hem 46 looped about the frame 20 and a pair of leg holes 47 so located as to conveniently receive the legs of a child seated on the rear portion 48 of the hammock. Intermediate portions 50 of the sides of the frame are left free of the hem to provide anchorages about which flexible strap sections 51 are looped as at 52, said sections being formed to be detachably buckled together as at 53 to form a safety belt and to retain bed clothes in which the infant may be wrapped. The frame 20 is free at other places 55, having holes to which the hooks 57 at the ends of flexible straps 58 may be detachably

anchored, as shown in Fig. 7 so that the baby holder may be carried like a basket, with such straps resting on the carrier's arm.

Pivotally connected at 60 to one of said intermediate portions 50 is a spring arm 61 adapted to bridge said portions 50 under the hammock 45 as shown in Figs. 6, 8, and 10, dividing the hammock into a seating section 62 and a shelf section 63 adapted to support playthings and the like within easy reach of the infant. The free end of the arm 61 has a hook 65 adapted to spring into a socket 66 in the other portion. When the arm 61 is not in use, it may extend alongside the frame 20 and be held by a fabric or other sling 67 secured to a side of the hammock.

Detachably secured to the front end 70 of the frame 20 as by bolt and nut means 72 are hook members 73, each having a series of holes 74 selectively adapted to receive the bolts. The hooks may be covered by rubber tubing 75 or the like and may be arranged in the same plane to form a bumper 76 as shown in Fig. 6 or they may be arranged as hangers as shown in Fig. 8 to support one end of the hammock from the back 78 of the front seat of an automobile, while the other end of the hammock is supported on the rear seat 79. The difference in height between the back of the front seat and the front of the rear seat may vary in different automobiles, and it will be appreciated that by securing the hooks at the appropriate holes 74 the hammock may be made to lie in a horizontal or any other plane for the comfort of the infant, irrespective of the automobile in which it is mounted.

In the event the hammock is mounted in the automobile in the absence of the wheels 38, the bight 36 will rest on the rear seat and a corresponding adjustment, if necessary, may be made in the attachment of the hooks. Installed in the automobile, the hammock may be adjusted by the employment of the arm 61 so that the infant may sit up, just as when it is installed on a floor.

The frame 20 is equipped to support a hood and, to this end, is provided with a rivet 81 having a head 82 which is sufficiently spaced from the frame 20 to provide a shank portion 83 adapted to be received in a slot 84 in a preferably metal strap 85. Spaced rearwardly from the pin 81 is a detachable bolt 86 extending outwardly and adapted to pass through a hole 87 in the strap 85 and to receive on the outer side of the strap 85 a nut 88. This structure is provided on each side of the frame, the strap portions being inserted alongside the outer face of the frame 20 and within the separate loop 90 of the hem 46. The strap 85 is thus securely fastened to the frame 20 and yet may be readily removed simply by removing the bolt and nut at each side, and withdrawing the side of the strap 85 rearwardly. By reverse movements the strap is assembled with the rivet 81 and bolt 86.

The strap 85 extends at an angle upwardly from the points of its connection at 86 and secured thereto at 92 is a hood 93, the forward portion of the hood being hemmed at 94 about a strap 95 pivotally connected at 96 to a lower portion of the strap 85. Connected to the sides of the strap 95 are rivets 98 adapted to be detachably received in slots 99 of brace links 100 pivoted at 101 to the strap 85. When the links 100 are connected with the rivets 98, as shown in Fig. 2, the hood 93 is stretched taut, said hood having a portion 103 depending from the strap 85 to substantially close the rear upper side of the hammock. When the links 100 are separated from the rivets 98, said links may be allowed to hang as shown in dotted lines, and the hood 93 may be collapsed to the position shown in dotted lines. The upper end 105 of the strap 85 serves as a handle.

When the hammock is provided with casters and wheels, it serves as a baby walker, the legs of the baby passing outwardly through the holes 47 in the hammock, the arm 61 being either idle as in the arrangement shown in Fig. 2 or being utilized as in the arrangement shown in Figs. 6 and 8 to provide the shelf or compartment 63 for supporting playthings and the like. By removing the casters and wheels, the device may be stationary, as shown in Fig. 7.

The entire structure may be collapsed into a space of small compass, as shown in Fig. 1, wherein the packing box 107 is of a length and width only slightly exceeding that required by the anchoring portions of the strap 85. This is made possible by the removability of the casters 26 and wheels 38, the removability of the strap 85 with the hood 93, the collapsibility of the hood, and the collapsibility of the supports 22 and 35 in conjunction with the knee links 28 and 40.

From the foregoing it is apparent that the invention is extremely simple, involving a minimum of parts which are readily collapsible to occupy a small space for shipment or storage and yet with a few movements may be made to function as a baby holder, mobile or stationary, usable by the baby either in reclining or sitting up and as a walker, providing, if desired, a shelf for supporting playthings within easy reach of the child while sitting up; providing, if desired, a shock-absorbing bumper or hanger means by which the hammock may be supported in a comfortable position on the seats of an automobile, with or without a hood, as desired; and adapted to be provided with handles to enable the hammock to be carried as a basket.

Various other modifications coming within the spirit of my invention may suggest themselves to those skilled in the art, and hence I do not wish to be limited to the specific forms shown or uses mentioned except to the extent indicated in the appended claims, which are to be interpreted as broadly as the state of the art will permit.

I claim:

1. In a baby holder, a frame, a hammock mounted on said frame, a hood for said hammock, a handle on which said hood is mounted, and means for detachably securing said handle to said frame, said hammock encircling parts of the secured portions of said handle and frame throughout substantial lengths thereof adjacent said securing means to protect the hands from sharp edges of said portions while permitting access to the securing means.

2. In a knock-down baby holder, a rectangular frame, a hammock mounted on said frame, a leg pivotally secured to the sides of the frame at each end of the frame, knee links pivotally connected to said frame and said legs for bracing said legs in frame-supporting position, said legs, when said knees are collapsed, being adapted to lie in substantially the same plane as said frame, hood means having a short angular portion detachably mounted on said frame, said hood means being collapsible into a space whose height is determined by said angular portion, said hammock being flexible and adapted to lie in substantially the same plane as said frame, hook

means mounted on said frame and adapted to serve selectively as a bumper or as a hanger, and rollers detachably mounted on said legs, the ensemble, when knocked down, being capable of assembly in a space of a length and breadth only slightly greater than those of the frame and of a height substantially equal to that of said angular portion.

3. In a baby holder, a roller-mounted frame having a front end portion, a hammock mounted on said frame, hook means, and means mounting said hook means on said front end portion of said frame, said mounting means being adjustable to secure said hook means in a substantially vertical position to hook over the back of a forward seat of an automobile and to secure said hook means in a non-vertical position to serve as a bumper for said front end portion of said frame.

4. In a portable knock-down baby holder, a rectangular frame, a hammock mounted on said frame, a leg pivotally secured to the sides of the frame at each end of the frame, knee links pivotally connected to said frame and said legs for bracing said legs in frame-supporting position, said legs, when said knees are collapsed, being adapted to lie in substantially the same plane as said frame, hood means having a short angular portion detachably mounted on said frame, said hood means being collapsible into a space whose height is determined by said angular portion, said hammock being flexible and adapted to lie in substantially the same plane as said frame, hook means on said frame and adapted to serve selectively as a bumper or as a hanger, rollers detachably mounted on said legs, and straps connected to said frame and providing a handle for enabling the holder to be carried as a basket, the ensemble, when knocked down, being capable of assembly in a space of a length and breadth only slightly greater than those of the frame and of a height substantially equal to that of said angular portion.

5. In a baby holder including a hammock and a hood, a frame for supporting the hammock, a handle for supporting the hood, said handle having angular sides, the forward end portion of each side lying alongside the frame and the rear end portion of each side extending upwardly from said forward end portion, means for detachably securing said forward end portions rearwardly of the forward terminals thereof to said frame, and detachable pin and socket connections arranged on said terminals and frame to prevent turning of said handle.

6. In a knock-down baby holder, a rectangular frame, a hammock mounted on said frame, a leg pivotally secured to the sides of the frame at each end of the frame, knee links pivotally connected to said frame and said legs for bracing said legs in frame-supporting position, said legs, when said knees are collapsed, being adapted to lie in substantially the same plane as said frame, hood means having a short angular portion detachably mounted on said frame, said hood means being collapsible into a space whose height is determined by said angular portion, said hammock being flexible and adapted to lie in substantially the same plane as said frame, and hook means mounted on said frame and adapted to serve selectively as a bumper or as a hanger, the ensemble, when knocked down, being capable of assembly in a space of a length and breadth only slightly greater than those of the frame and of a height substantially equal to that of said angular portion.

7. In a portable baby holder, a frame, a hammock mounted on said frame, means depending from said frame for supporting said frame over a floor, a hood construction, straps providing a handle for enabling the holder to be carried as a basket, said frame having a plurality of holes, said straps having hooks engaging in said holes for connecting said straps to said frame, said hood construction having means passing through certain of said holes when said handle is not in use, for securing said hood construction to said frame.

LOTHAR KIESOW.