

(Model.)

2 Sheets—Sheet 1.

R. HELM.
BABY CARRIAGE.

No. 338,171.

Patented Mar. 16, 1886.

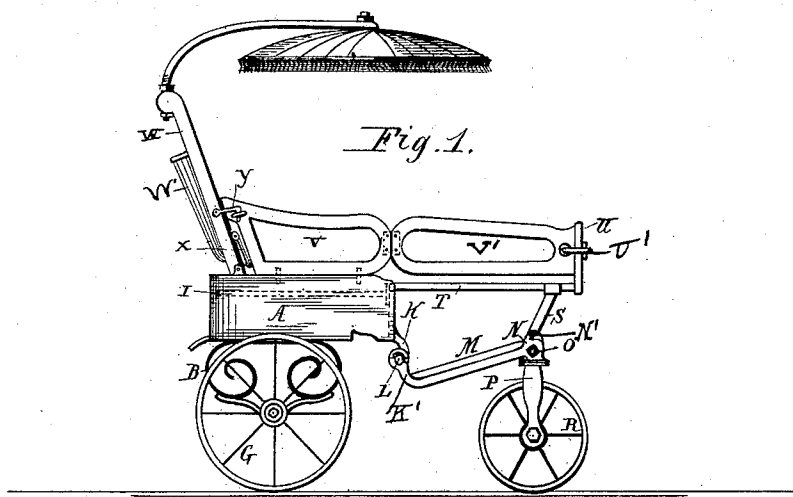
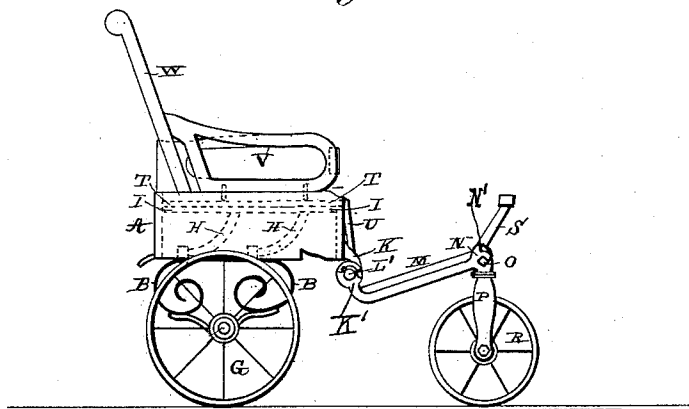
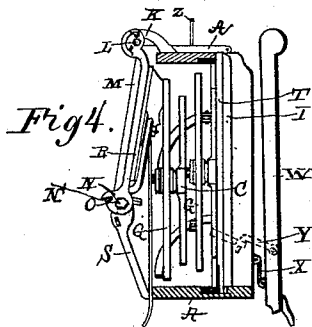


Fig. 2.



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Fig. 3.

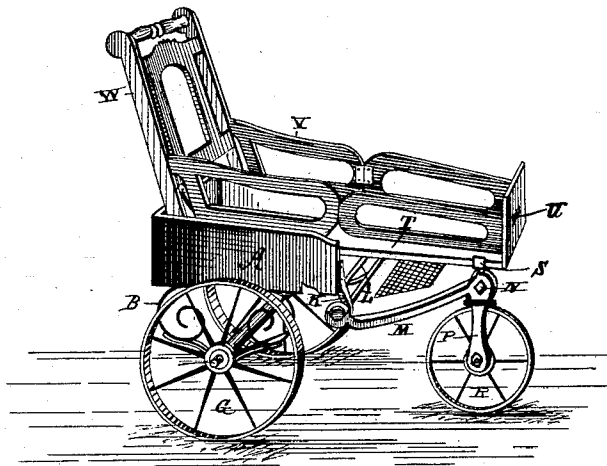


Fig. 5.

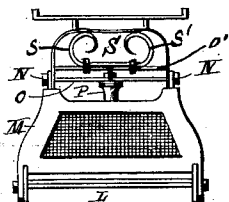
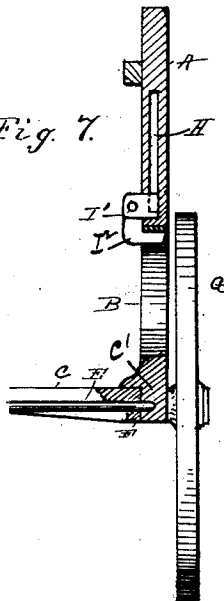
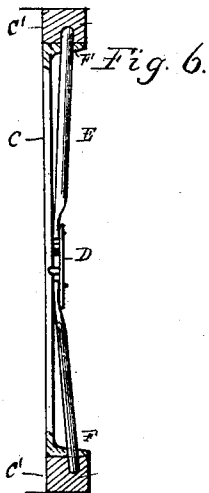


Fig. 7.



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UNITED STATES PATENT OFFICE.

RICHARD HELM, OF ST. LOUIS, MISSOURI.

BABY-CARRIAGE.

SPECIFICATION forming part of Letters Patent No. 338,171, dated March 16, 1886.

Application filed April 10, 1885. Serial No. 161,838. (Model.)

To all whom it may concern:

Be it known that I, RICHARD HELM, a citizen of the United States, residing at St. Louis, in the county of St. Louis and State of Missouri, have invented certain new and useful Improvements in Baby-Carriages; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to improvements in children's carriages, and is designed to produce a device that may be used as a bed or chair, and may be folded into a small space for convenience in packing or transportation.

In the annexed drawings, Figure 1 represents a side elevation of the device used as a bed; Fig. 2, a side elevation as a chair; Fig. 3, a perspective view arranged as in Fig. 1; Fig. 4, the carriage folded; Fig. 5, a detail plan of the front section; Fig. 6, a detail section of the axle; Fig. 7, a detail section through the body, spring, and axle on one side of the carriage.

The body A has on the inner parts of its sides curved grooves. (Shown in dotted lines at H, Fig. 2.) In these grooves rest blocks I', to which are pivoted or hinged angle-pieces I'', Fig. 7, to the angle-extensions of which are secured the springs B. To the lower ends or edges of the springs are secured the blocks C', or the springs themselves may be enlarged to form the said blocks.

The axle C is provided at each end with an angle-piece, F, which, when in proper position, rests in a recess in the said block C', as is seen in Fig. 7. A small lever, D, is pivoted to the center of the said axle, and has connected to it the arms or rods E, which pass through the ends F, and when in position enter holes in the blocks C'. When the lever is moved to withdraw the said rods E from the blocks C', the said axle may be entirely removed from between the said springs, which latter may then be folded on the pivot-connections till parallel with the bottom of the body, and then the whole moved into the body by

means of the grooves H. The blocks C' carry spindles, on which are secured the wheels G, the wheels also being carried into the body by the springs when folded therein. The back W is hinged at X to the top of the said body, and may be folded forward thereon. The arms V have extensible portions V', which latter are hinged to the main portions of the arms and may be folded thereon. The said arms V are secured to the body by pins which enter the sides thereof, as shown in dotted lines, Figs. 1 and 2. The arms and back are held in conjunction by a hook, Y, on each side. The extensions V' engage with the front portion, U, which is hinged to the seat-extension T, and is adapted to be folded down thereon by means of hooks U'.

When the entire device is folded, the arms are removed from the position shown, and after being folded together are placed within the body. The extension T of the seat is slid into the body and rests either on top or under the seat proper, I. To the rear of the back may be secured a receptive pocket, W', for various purposes, and a canopy may be attached to the top thereof, as shown in Fig. 1.

To the lower front corners of the body are attached the brackets K, to which is pivoted a frame, M, forming a foot-rest, and shown in detail in Fig. 5. A lateral bar, L, similar to the axle C, passes through the brackets K and angle-arms K' on the frame M and pivots the same together. Stops L' on the brackets K prevent a too great upward movement of the said frame on the pivot-bar L. From each front corner of the frame M extends an arm, N, having a slot, N', in its upperside. To these arms is pivoted a frame, S, which, when the extension T is drawn out, forms a rest for said extension. A pivotal rod, O, connects the frame S and frame M, and a rod, O', parallel to and above said rod O, extends into the slots N' and retains the frame S in an upright position, the scroll-springs S' preventing accidental disengagement, while they permit the lifting of said rod O' to free its ends from the slots and allow the said frame S to be folded on or be brought in line with the frame M. A front wheel, R, has its bearings in a post, P, which has a swivel-connection to the rod O, and is retained in position by a stud at-

tached to the bar O' and fitting into a notch in the head of post P. When the bar O' is lifted to allow the post P to be folded upon the frame M, it also lifts the stud out of the notch in the head of the post and allows it to be turned a quarter round, so that the wheel R will be in position to lie flat upon the frame M when folded.

To pack the device for transportation, the arms and axle are removed, as specified, and placed within the body, the extension of the seat retracted, as stated, the wheels and springs folded into the body, the front wheel folded on the under side of the frame M, and the latter frame turned rearward till it covers the under side of the body. The whole may then be carried by means of the handle Z.

I claim—

1. A child's carriage having springs folding on the body and sliding in slots therein, wheels carried on spindles connected to said springs, and a removable axle for retaining the springs and wheels in an operative position, substantially as specified.

2. In a baby-carriage, an axle carrying op-

positely-moving arms or rods, which pass through the upturned ends of said axle, combined with springs carrying wheel-spindles, said rods entering slots or holes in said springs coincident with said spindles, substantially as specified.

3. In a baby-carriage, a removable axle allowing the wheels and springs to be folded on the body, substantially as specified.

4. A baby-carriage having wheels folding on the body, a foot board or rest and front wheel folding on the body, and a folding back, substantially as specified.

5. A baby-carriage having a removable axle, folding springs and wheels, folding foot-board and front wheel, removable folding arms, an extensible seat with a hinged front and a folding back, the whole combined substantially as specified.

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

RICHARD HELM.

Witnesses:

J. B. PFOUTS,

EDWD. J. O'BRIEN.