(No Model.)

T. NESOM.

FOLDING BABY CARRIAGE.

No. 457,006. Patented Aug. 4, 1891.

FIG. 1.

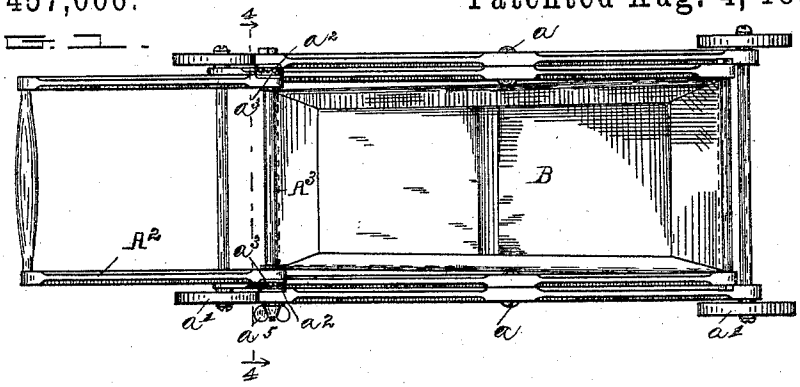


FIG. 2.

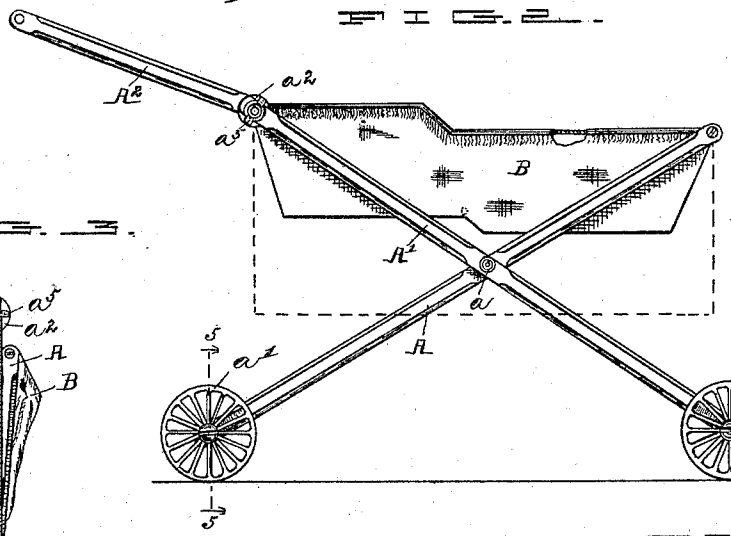


FIG. 3.

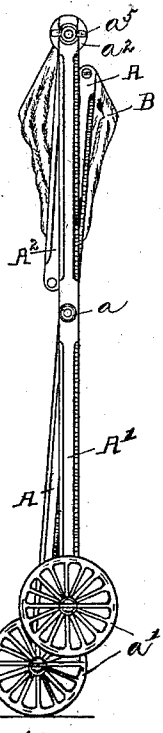


FIG. 4.

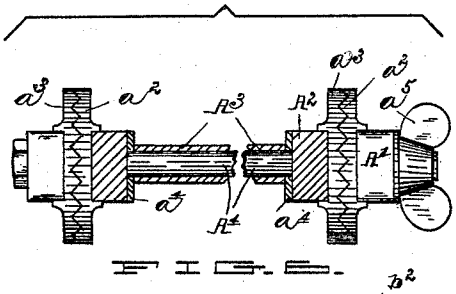


FIG. 5.

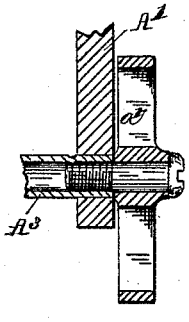
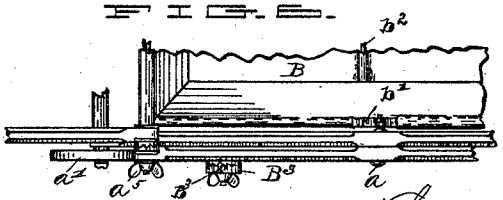


FIG. 6.



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UNITED STATES PATENT OFFICE.

THOMAS NESOM, OF INDIANAPOLIS, INDIANA.

FOLDING BABY-CARRIAGE.

SPECIFICATION forming part of Letters Patent No. 457,006, dated August 4, 1891.

Application filed April 21, 1891. Serial No. 389,789. (No model.)

To all whom it may concern:

Be it known that I, THOMAS NESOM, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Folding Baby-Carriages, of which the following is a specification.

The object of my said invention is to provide a baby-carriage which can be readily folded into a compact condition convenient to be carried or for transportation, and which at the same time will be simple and inexpensive in construction, of but little weight, and of great strength and durability, all as will be hereinafter more particularly described and claimed.

Referring to the accompanying drawings, which are made a part hereof, and on which similar letters of reference indicate similar parts, Figure 1 is a top plan view of my improved baby-carriage; Fig. 2, a side elevation of the same; Fig. 3, a view showing the structure folded; Fig. 4, a detail view partly in section looking in the direction of the arrows from the dotted line 4 4 in Fig. 1, the parts being shown on an enlarged scale and the central portion being broken away for this purpose; Fig. 5, a detail section on the dotted line 5 5 in Fig. 2, and Fig. 6 a detail view showing a modified construction of the body.

In said drawings the portions marked A A′ represent the two portions of the frame, and B the body of the carriage.

The portions A and A′, constituting the supporting-frame, each consist of suitable side pieces connected at their ends by rods, the part A being of a width adapted to fit between the side pieces of the frame A′, the two parts being pivotally connected at the point where they cross by a pivot *a*, which point is preferably a little above the center of the two parts. On the lower end of each part of the frame at each side thereof are secured wheels *a′*, journaled on the end of screws which screw into the ends of the hollow rods which connect the side pieces of the frames, thus securing the several parts together. (See Fig. 5.) To prevent the screw from backing out, the hollow rod is preferably indented slightly against said screw near its end, as shown. The upper end of the frame A is secured together at the corners in a similar manner, the screw-heads bearing against the outer face of the side pieces, instead of against the end of the hub of a wheel.

To the upper end of the frame A′ is adjustably connected a frame A^2, consisting of two side pieces and a cross-rod, which serves as a hand-bar by which the carriage is pushed. On the outer face of each of said side pieces at its lower end is secured a circular plate a^2 with a serrated face, and a correspondingly formed and serrated plate a^3 is secured to the inner face of each of the side pieces of the frame A′ at its upper end, the serrated faces of said plates being arranged contiguous and adapted to engage with each other when the parts are together. Between the lower ends of the side pieces of said frame A^2 a hollow rod A^3 is interposed, washers a^4 being preferably interposed between each end of said hollow rod and face of the adjacent side piece.

The parts are secured together by means of a rod A^4, inserted through the ends of the side pieces of the frame A′ and the frame A^2, passing through the serrated interlocking plates, which are interposed between the ends of said side pieces, and through the hollow rod A^3, being provided with a head upon one end, which bears against the outer face of one of the side pieces of the frame A′, and a thumb-nut a^5 upon the other end, which bears against the outer face of the other side piece of said frame A′, or a washer placed thereon, thus securing the several parts securely together. By this arrangement the connection between the frame A′ and the frame A^2 may be loosened at both sides by simply loosening said thumb-nut a^5, which permits the hand-bar to be adjusted to the height desired by the person using the carriage, or permits said frame A^2 to be turned down when it is desired to fold the carriage, it being then readily secured in either position or any position to which it is adjusted by again tightening the thumb-nut, as will be readily understood.

The body B is or may be of whatever form desired, it being made of canvas or a similar flexible material, which may be covered with ornamental material or work and fitted as desired. Its upper edges are preferably re-enforced by cords, as indicated in Fig. 2, its ends being wrapped around the rods forming the upper ends of the frames A and A′ and

secured thereto by stitching or in any desired manner. As will be readily understood a suitable drapery may be hung around the edges to conceal the frame and add to the appearance of the carriage, if desired, as indicated by dotted lines in Fig. 2.

In use the weight of the child in the body of the carriage, because of the flexibility of all the parts, will tend to draw together the upper ends of the frame when the carriage is jolted or shaken, the structure thus obviating the need of springs, as it provides in itself an easy springy motion.

When it is desired to fold the carriage, the upper ends of the frame A and A′ are brought together, which is permitted by the pivot-joint by which they are connected, the thumb-nut a^5 is loosened, and the push-frame folded down, the thumb-nut being then tightened, securing the parts in the relative positions shown in Fig. 3. The hand-bar, being held rigid in this position, affords a suitable and convenient handle by which the device may be carried or lifted from place to place, the frame A being held in substantially a vertical position because of the greater weight of its lower end with the wheels attached. By this arrangement a baby-carriage is provided which can be readily transported in street-cars, railway-cars, carriages, and other vehicles, and one which will occupy the smallest possible space in packing for shipment or other purposes, and one which can also be conveniently carried in the hand from place to place, as desired, it being of so little weight and folded so compactly that this can be done conveniently.

In Fig. 6 I have shown the upper edges of the body as re-enforced by strips of metal b', provided with a hinge-joint at the point where the fold comes in folding the device. A metal rod or rods b^2 may also be arranged transversely in the bottom of the body to strengthen it and maintain the desired form, if preferred. A bracket or clip B^3, in which a canopy-standard b^3 is secured, is also shown in said figure mounted on the side piece of the frame A′. These modifications or others which will readily suggest themselves may be found desirable, although not essential features of the invention.

Having thus fully described my said invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a folding baby-carriage, the combination of a frame formed of two parts, the side pieces of which cross and are pivoted together at the point of intersection, the push-frame adjustably secured to the upper end of one of said parts, and a flexible body secured between and connecting the top ends of the two parts of said main frame, all substantially as set forth.

2. The combination, in a folding baby-carriage, of the frame composed of the parts A and A′, having wheels on their lower ends and pivoted to each other at the point of intersection, the frame A^2, connected with the upper end of said frame A′ by means of the serrated interlocking plates a^2 and a^3, secured to the adjacent ends of the side pieces of said frames A′ and A^2, the hollow rod A^3, interposed between the side pieces of said frame A^2, and the rod A^4, extending through said several parts and provided with the thumb-nut a^5, substantially as described, and for the purposes specified.

3. The combination, in a folding baby-carriage, of the frame composed of the parts A and A′, which cross and are pivoted to each other, connected at their lower ends by hollow rods and provided with wheels journaled on screws which screw into the ends of said hollow rods, the upper end of the frame A being secured together by a hollow rod and screws which screw into its ends with their heads bearing against the outer surface of the side pieces, and the upper end of the frame A′ having the push-frame A^2 adjustably secured thereto, substantially as described, and the body B, composed of flexible material and secured at its ends to the cross-rods connecting the upper ends of the parts of the frame, substantially as set forth.

In witness whereof I have hereunto set my hand and seal, at Indianapolis, Indiana, this 17th day of April, A. D. 1891.

THOMAS NESOM. [L. S.]

Witnesses:
E. W. BRADFORD,
FRANK W. WOOD.