

J. MARTIN.

COLLAPSIBLE PERAMBULATOR.

No. 493,831.

Patented Mar. 21, 1893.

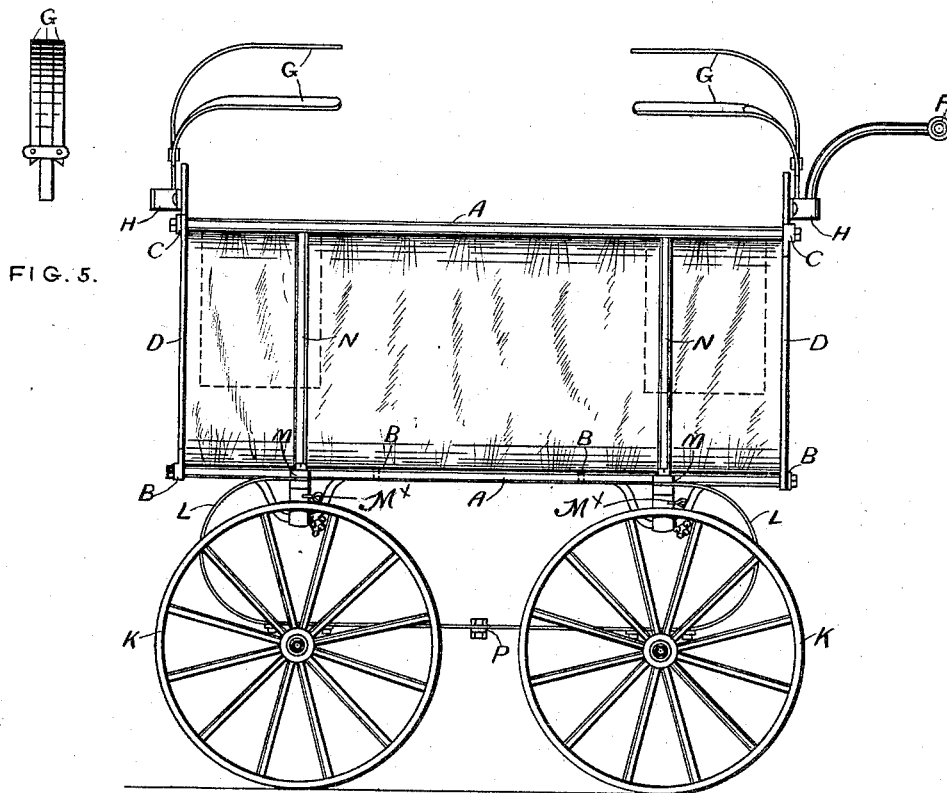


FIG. 5.

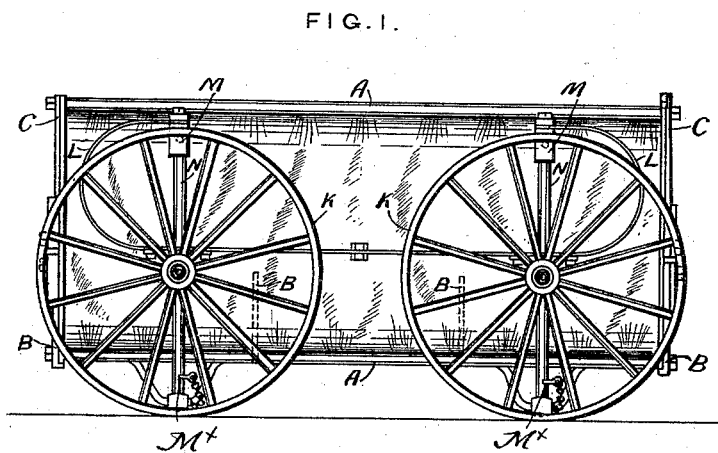


FIG. 1.

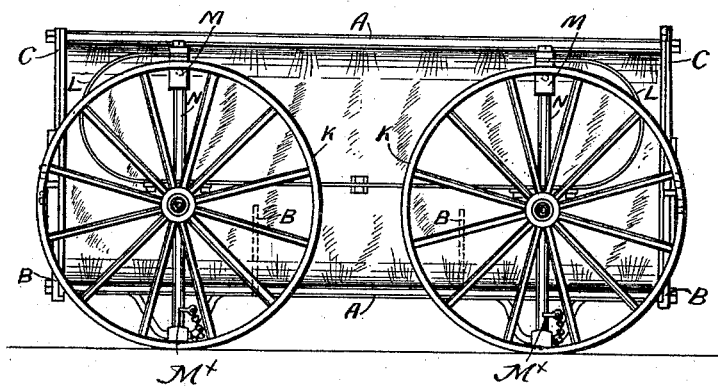


FIG. 3.

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E. H. Sturtevant.

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(No Model.)

3 Sheets—Sheet 2.

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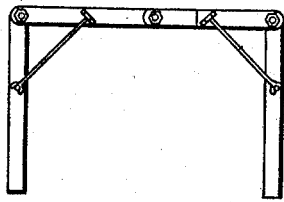


FIG. 6.

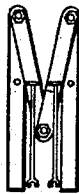


FIG. 7.

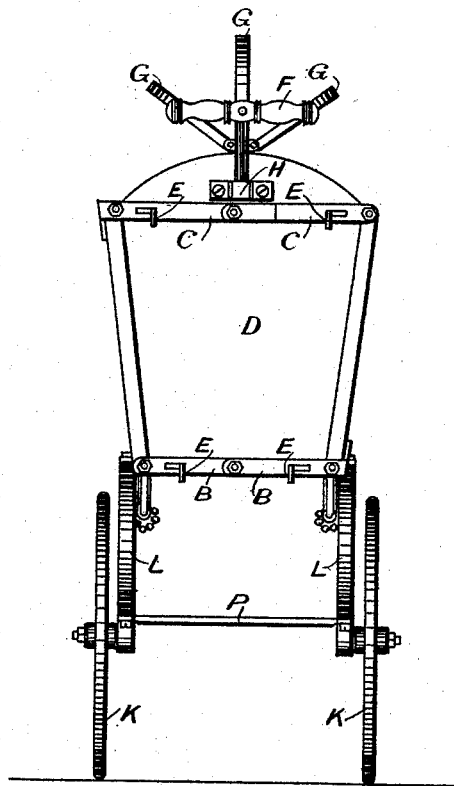


FIG. 2.

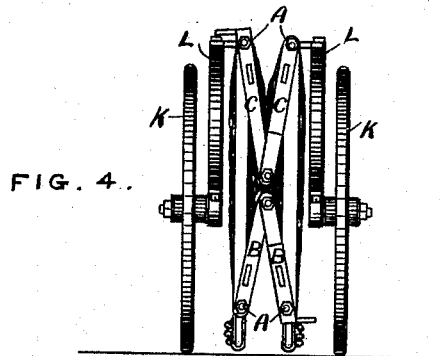


FIG. 4.

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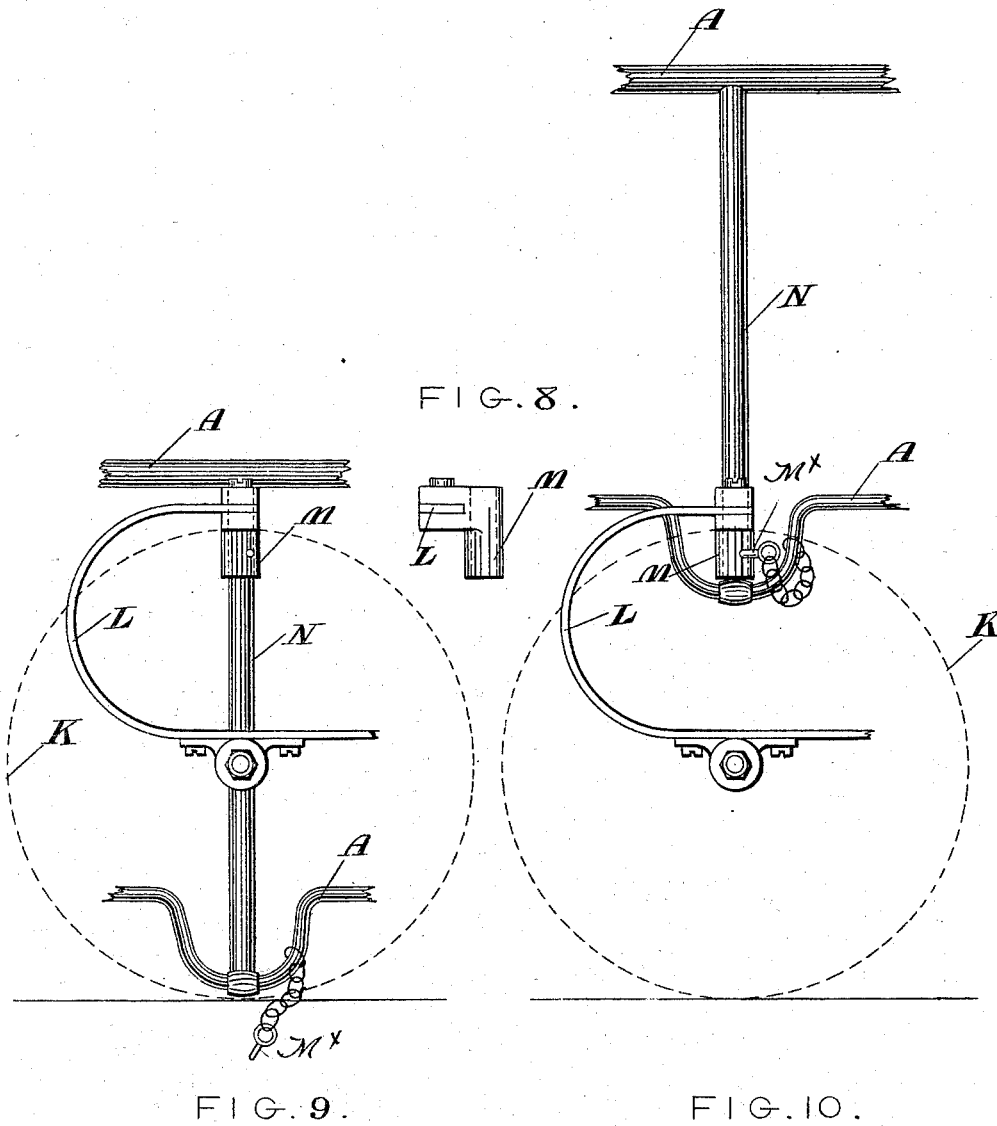
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# UNITED STATES PATENT OFFICE.

JOHN MARTIN, OF ST. MARTIN'S, GUERNSEY ISLAND.

## COLLAPSIBLE PERAMBULATOR.

SPECIFICATION forming part of Letters Patent No. 493,831, dated March 21, 1893.

Application filed July 20, 1892. Serial No. 440,601. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN MARTIN, residing at St. Martin's, Guernsey Island, have invented an Improved Collapsible Perambulator, of which the following is a specification.

My invention relates to perambulators constructed more particularly in the basket or bassinette form, and is an improved modification of the invention patented to me under No. 458,736, whereby the bassinette is adapted to fold up with a collapsible body and parts, and with the wheels adapted to be placed against either side of the body for convenience in packing or transport from place to place.

In order that my invention may be the better understood, I will now proceed to describe the same, reference being had to the drawings hereunto annexed, and to the letters marked thereon.

Figure 1 is a side elevation of my improved perambulator, extended ready for use. Fig. 2 is an end elevation of the same. Fig. 3 is a side elevation of my improved perambulator collapsed ready for packing. Fig. 4 is an end elevation of the same. Fig. 5 is an end view of one form of hood collapsed. Fig. 6 is a modified form of rectangular hood, extended. Fig. 7 shows the same collapsed. Fig. 8, is a detail side view of the block through which the sliding part of the frame moves. Fig. 9, is a side view of a part of the frame showing the upper movable part adjusted to its lowest position, and Fig. 10, is a similar view showing the movable part of the frame in its raised position.

To carry out this improvement I form the body on longitudinal framings A, the sides and bottom being conveniently formed of flexible material, such as leather or textile material. The bottom is extended by transverse jointed bars B, as also the top edges C, of the ends of the body. When extended, the body is kept in that position by the insertion of solid ends or panels D, which are locked in place by twisting dogs E, and thus prevent the collapse of the body and floor, when the perambulator is in use. When it is desired that the perambulator shall be packed, the solid ends D are removed, and the transverse jointed bars bending in the center and at the sides, collapse inwardly upon one another as in Fig. 4.

The seats may be fixed by pins on eyes in the frame in the inside, for use, and in such case are removed for collapse; or they may be hinged to the back and ends D if desired, and secured by bolts into the side framing when in use; or the seats may be divided in the center, and the parts hinged together, the whole being hinged, on each side, to the side of the perambulator, so that when collapsing the body the seats collapse with it. Or the seats may be formed as a flexible sling of flexible material, supported from the two sides as shown.

The handle F and hood-supports are detachably attached either to the side frames, or fitting into a socket H in the panel ends or upper end frame when in use, and may be removed when the perambulator is collapsed, so as to be packed flat with the sides. The frame of the hood may have arms, extended fan shape, as in Figs. 1 and 2, and they are pivoted so as to collapse, as in Fig. 5; or the hood frame may be rectangular as in Fig. 6, with the central bars pivoted so as to collapse, as in Fig. 7.

The wheels K are mounted in pairs on a single spring L on either side, and the springs are attached by sliding blocks M to two vertical bars N of the side frames. When in use, the sliding bars as in Figs. 1 and 2 are raised through the blocks and are clamped at their lower ends thereto, so that the wheels and springs come under the body of the perambulator as is usual, and the bars being fixed in elevated position by pins through the blocks M, and the lower frame work being held by a removable extension bar P.

When the perambulator is to be collapsed, the sliding bars are released from the blocks by removing the pins M<sup>x</sup>, and the sliding bars N, then slip down through the blocks carrying the body of the carriage with them until they assume the collapsed position of Figs. 3 and 4. Thus then, when collapsed, the perambulator is of the length and breadth of the sides of the perambulator, and of a thickness represented by the two sides of the body, folded on to one another, and the two pairs of wheels folded upon the outsides of the sides, and thus represents a compact parcel of about thirty inches long, twenty-four inches wide, and about six inches in thickness, a

most convenient size for packing for transit, or for being placed out of the way when not used.

Having now described my invention, what I claim is—

1. In a folding perambulator, the wheels, the springs, the blocks carried by said springs, the vertically sliding bars N, adapted to pass through the blocks and the body carried by said bars and comprising the jointed and pivoted bars forming a collapsible body substantially as described.

2. In combination the wheels, the springs, and the vertically movable body frame adapted to be moved down between the wheels, said frame being collapsible laterally, substantially as described.

3. In combination the wheels, the springs

L, L, the vertical rods N having vertical sliding connection with the said springs and the collapsible frame carried by the said bars, substantially as described.

4. In combination the wheels, the vertically movable body frame adjustable between and above the said wheels, said frame comprising the bars A, A, the jointed cross bars B, C, and the side bars pivoted at the ends of the cross bars, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN MARTIN.

Witnesses:

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CHARLES H. CARTER.