

No. 716,972.

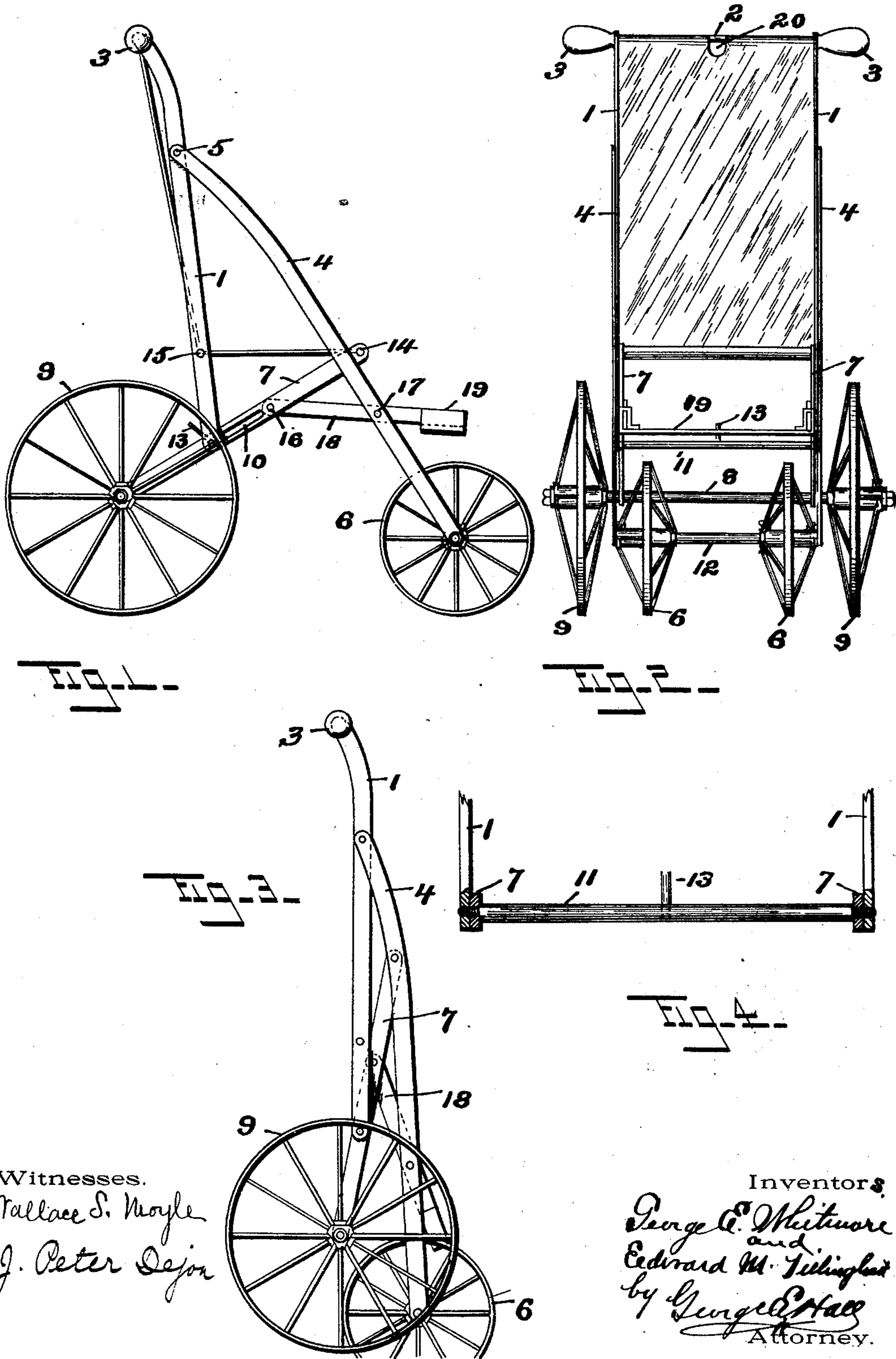
Patented Dec. 30, 1902.

G. E. WHITMORE & E. M. TILLINGHAST.

CHILD'S CARRIAGE.

(Application filed Apr. 5, 1902.)

(No Model.)



Witnesses.
Wallace S. Moyle
J. Peter Sejon

Inventors:
George E. Whitmore
and
Edward M. Tillinghast
by George E. Hall
Attorney.

UNITED STATES PATENT OFFICE.

GEORGE E. WHITMORE AND EDWARD M. TILLINGHAST, OF NEW HAVEN, CONNECTICUT; SAID WHITMORE ASSIGNOR TO SAID TILLINGHAST.

CHILD'S CARRIAGE.

SPECIFICATION forming part of Letters Patent No. 716,972, dated December 30, 1902.

Application filed April 5, 1902. Serial No. 101,484. (No model.)

To all whom it may concern:

Be it known that we, GEORGE E. WHITMORE and EDWARD M. TILLINGHAST, citizens of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Children's Carriages, of which the following is a specification, reference being had therein to the accompanying drawings.

Our invention relates to improvements in children's carriages of that class commonly known as "go-carts;" and it is the object of our invention, among other things, to so construct and unite the parts that the carriage may be folded, and thereby occupy the minimum amount of space when not in use, and also that the back, seat, and foot-rest may be shifted to and locked in a position so that the carriage may be used as a cot.

It is a further object of our invention to so design and construct the several members that the carriage may be manufactured at the minimum cost and when completed be both neat and pleasing in appearance.

To these and other ends our invention consists in the child's carriage having certain details of construction and combination of parts, as will be hereinafter described, and more particularly pointed out in the claims.

Referring to the drawings, in which like numerals designate like parts in the several figures, Figure 1 is a side elevation of the carriage when open and ready for use. Fig. 2 is a front view thereof. Fig. 3 is a side elevation of the carriage folded, and Fig. 4 is a detailed view of the locking-rod.

In carrying out our invention we construct the body member with a back bar 1 upon both sides, which extend upwardly and then curve rearwardly and are joined by a tie-rod 2, having handles 3 upon the ends thereof outside of the back bars and arranged for convenience in manually operating the carriage, front bars 4, which are pivotally connected at their upper ends by pintles 5 to the back bars 1 and project downwardly and united at their lower ends by an axle-rod 12, upon which are mounted the small wheels 6 6, bottom bars 7, which are joined at their rear ends by an axle 8, upon which are rotatably mounted the

large wheels 9 9. These bottom bars are provided with the longitudinal slots 10 midway of their length, and the lower ends of the back bars 1 are adjustably connected with the bottom bars 7 by the locking-rod 11, which is reduced in diameter at either end where it passes through the slots 10 and severally provided with right and left hand screws. For convenience in rotating the locking-bar 11 a finger-pin 13 is fastened thereto.

The back and seat we prefer to make of some flexible material, such as carpet or canvas, fastened at one end to the bar 14, which unites the front ends of the bottom bars 7 and thence passes beneath the rod 15, which joins the back bars together midway of their length, and is secured at its upper end to the bar 2.

Pivotally connected at one end by the pin 16 to the bottom 7 is the link 18, which is also pivotally secured to the front bar by the pintle 17 and projects a sufficient distance in front thereof to permit of the attachment thereto of a flexible foot-rest 19.

We prefer to make the front, back, and bottom bars and the link of sheet-metal strips, because they can be readily secured in the open market and are light in weight, are very rigid, and can be economically handled in manufacturing.

In Fig. 1 the parts are shown when arranged for seating a child in the carriage, the bottom and back at substantially a right angle to each other; but if it is desired to shift the parts to make a cot the locking-bar 11 is rotated by grasping the finger-piece 13 to release the bottom ends of the back bars and then moved within the slots 10 until the desired substantially horizontal position is obtained, when the said locking-bar is again rotated and the parts rigidly locked together. By shifting the position of the bottom ends of the back bars 1 in relation to the slots 10 the upper ends of said back bars are moved rearwardly, which carries the front bar 4 with it, and thus elevates the front end of the link 18, so that the foot-rest will be in substantially the same plane as the seat and the back will be brought nearer to a horizontal plane than as shown in the drawings.

To fold the carriage, it is simply necessary

to draw the wheels together, and by means of the several pivotal connections the parts are closed to the position shown in Fig. 3, in which the carriage occupies the minimum amount of space and can be hung upon the wall or placed in a closet or in any other convenient position without occupying much space. For convenience we cut a hole through the back at 20, so that the carriage can be hung up, the hook passing through the hole 20 and the weight of the carriage being supported by the bar 2.

There are minor changes and alterations that can be made in the details of our construction aside from those herein shown and described, and we would therefore have it understood that we do not limit ourselves to the exact construction herein shown and described, but claim all that falls fairly within the spirit and scope of our invention.

Having described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In a child's carriage; a body member comprising back bars; front bars pivotally connected at their upper ends to said back bars above the seat and having wheels connected with the lower ends thereof; bottom bars carrying wheels at one end and forming a support for the seat at the other end, and to which the said back bars are adjustably secured midway of their length; and a link pivotally secured to said bottom and front bars and having a foot-rest connected therewith, substantially as described.

2. In a child's carriage, the combination with the back bars; of front bars pivotally connected thereto at their upper ends and

having wheels at their lower ends; bottom bars having wheels at one end thereof and longitudinally slotted midway of their length; a locking-bar threaded upon either end and passing through the said slots and threaded into the lower ends of said back bars; and a link connecting said bottom bars with said front bars, all constructed and operating substantially as described.

3. In a child's carriage, the combination with the back bars 1; of the front bars 4 pivotally connected thereto at their upper ends; axle 12 connecting the lower ends of said front bars; wheels 6 rotatively mounted thereon; bottom bars 7 having longitudinal slots 10 therethrough midway of their length; an axle 8 connecting the lower ends of said bottom bars; bar 14 connecting the front ends of said bottom bars; links 18 pivotally connected to said bottom and front bars and having a foot-rest 19 connected therewith; and a locking-rod 11 threaded at either end into the lower ends of said back bars and passing through the said longitudinal slots 10, all constructed and operating substantially as described.

In testimony whereof we affix our signatures in presence of two witnesses.

GEORGE E. WHITMORE.

EDWARD M. TILLINGHAST.

Witnesses as to signature of George E. Whitmore:

GEORGE E. HALL,

GEO. A. WHITMORE.

Witnesses as to signature of Edward M. Tillinghast:

GEORGE E. HALL,

WALLACE S. MOYLE.