

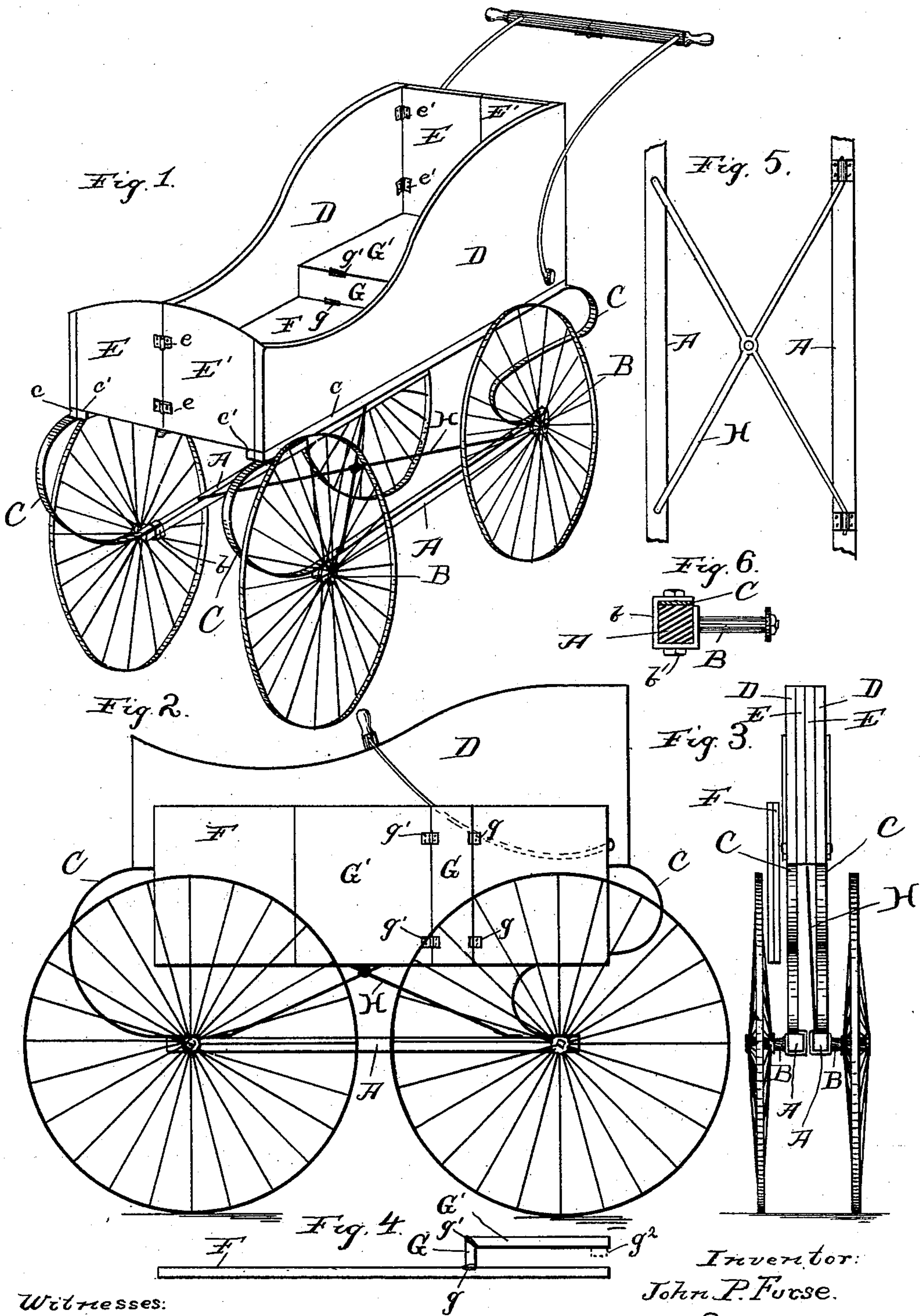
(No Model.)

J. P. FURSE.

CHILD'S FOLDING CARRIAGE.

No. 360,873.

Patented Apr. 12, 1887.



Witnesses:

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UNITED STATES PATENT OFFICE.

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CHILD'S FOLDING CARRIAGE.

SPECIFICATION forming part of Letters Patent No. 360,873, dated April 12, 1887.

Application filed January 17, 1887. Serial No. 224,518. (No model.)

To all whom it may concern:

Be it known that I, JOHN P. FURSE, a citizen of the United States, residing at Maywood, in the county of Cook and State of Illinois, have invented a new and useful Improvement in a Child's Folding or Collapsible Carriage, of which the following is a specification.

This invention relates to an improvement in children's folding or collapsible carriages.

The object of the invention is a child's folding carriage of cheap construction, which, when extended ready for use, shall be strong and rigid in all its parts and against all strains to which it is ordinarily subject, and which may be folded up into a narrow compass, so that it may very readily be carried under the arm, taken on the cars, or stowed away in a small compass in the house. The folding character also facilitates the shipping of the article.

I give the carriage a folding character by mounting the wheels on stub-axles attached to side bars, which are connected to the wagon-body by side springs and to each other by means of a hinged or removable folding brace, that, when in position, extends from side bar to side bar, and holds the side bars rigidly apart at the proper distance. The body of the carriage consists of two rigid side pieces, a removable bottom, and hinged end pieces. When the bottom is removed or raised up, as the case may be, the inwardly-folding end pieces permit the two sides of the wagon-body to fold together, and, supposing the brace between the side rails has been removed or raised up, the entire structure may be folded compactly together in a narrow package.

In the accompanying drawings similar letters of reference indicate like parts throughout the several figures.

Figure 1 is a perspective view of my improved child's carriage shown in position for use. Fig. 2 is a side elevation of the same folded up. Fig. 3 is an end view of the carriage folded up as in Fig. 2. Fig. 4 is a side view of the removable bottom. Fig. 5 is a detail plan view of the side rails and the hinged brace connecting the two, and Fig. 6 is an enlarged detail view of one of the stub-axles and its means of connection to the side rails.

In said drawings, A A are the two side rails, made long enough to properly separate the front and rear wheels of the carriage.

B B are four stub-axles, (shown at Fig. 6,) wherein the journal is secured to or made with a clip, *b*, of a proper shape to fit upon the side rail, as shown in said figure, and be secured thereto by a bolt, *b'*, passing down through the upper and lower sides of the clip and through the inclosed side rail. The clips also encircle the springs to assist in attaching them to the side bars. This construction is shown at C in Fig. 6, where the spring is interposed between the upper part of the clip and the rail, and the bolt passes down through the said spring, which is perforated for this purpose. Four flat curved springs, C, as indicated in the drawings, extend two from each side rail up to the inside pieces of the wagon-body, and are there secured in any suitable manner so that the side bars, the springs, and the side pieces of the body shall be in a vertical line with each other at each side.

The side pieces, D D, of the wagon-body may preferably be made of a single piece each, or of a single piece with a bottom strip of hard wood, *c*, for convenience of attaching the springs, and an interior rabbet, ledge, or shoulder, *c'*, upon which to support the bottom. The ends, front, and rear are made of two pieces or leaves, E E', hinged together by the hinges *e*, and hinged to the side pieces by the hinges *e'*, so that when the bottom is removed and the brace connecting the side rails, and presently to be described, is released the carriage may fold together, the two leaves of the end pieces folding inward toward the interior of the carriage upon the double hinges.

The bottom F is or may be made of a single piece of wood of a rectangular form, and fits into the body, resting upon the ledge or rabbet *c'*, the bottom itself serving to brace and rigidly extend said body.

A folding seat is constructed by hinging to the bottom the upright riser G by hinges *g*, to which riser in turn is hinged the seat G' by the hinges *g'*. A support, *g''*, for the seat may project from the sides of the body at the rear of the seat, the folding ends being cut with a cavity to receive the projection when the carriage is folded.

A rigid cross or X brace, H, is hinged or pivotally connected to one of the side bars, and constructed to engage the other side bar, for example, by entering holes in said other bar,

as shown at Fig. 5. When the bottom is removed from the body, this brace may be turned up, and will come in the interior of the body.

The handle by which the carriage is propelled is of the ordinary construction and hinged in the middle, so that when swung up on its pivots the folded handle may rest in the interior of the folded body in the open space between the folded ends of the body.

When folded, there will be room enough between the sides of the carriage and the walls at either side to put the bottom with its folded seat, as indicated at Figs. 2 and 3.

I claim—

1. The child's folding carriage consisting of rigid side pieces, inwardly-folding hinged two-leaved rigid end pieces, rigid removable bottom piece constituting the body, side bars carrying stub-axles, and wheels mounted thereon, said side bars being connected to the body by flat springs, and connected to each other by a folding brace constituting the running-gear, and a folding handle, all substantially as specified.

2. In a child's folding carriage having the body constructed with inwardly-folding ends and rigid bottom made removable and acting as a brace, said removable bottom permitting said inwardly-folding ends to fold or fit flat and close together when the bottom is removed from the body, the side bars, A, connected together by the hinged rigid X-formed brace H, pivotally connected to one of the side bars and removably secured to the other, and constructed to fold up into the interior of the body, substantially as specified.

3. In a child's folding carriage of the character shown and described, the combination, with the side bars, A A, adapted to collapse or fold together, of the stub-axles B, having integral clip-extensions *b* at their inner ends embracing said side bars, and bolts *b'*, extending through the upper and lower limbs of the clips and through the side bars inclosed in said clips, substantially as specified.

4. The combination, in a child's folding carriage, of the wheels with the collapsible or folding side bars, A A, the springs C C, and the stub-axles B, having clip-extensions *b* at their inner ends embracing and inclosing said side bars and springs, and bolts *b'*, extending through said side bars and springs and the upper and lower limbs of said clips, substantially as specified.

5. In a child's folding carriage, the combination of the folding sides and inwardly-folding hinged ends of the carriage-body with a bodily-removable rigid bottom, F, acting as a brace to hold the folding body rigid when inserted therein, and permitting the folding ends to fit closely and snugly together when removed therefrom, said folding body being furnished with ledges or shoulders to receive said removable bottom, substantially as specified.

6. In a child's folding carriage, the combination of the folding sides and inwardly-folding hinged ends of the body with removable bottom F, provided with riser G, hinged thereto and extended transversely across the same, and seat G', hinged to said riser, said seat and riser being adapted to fold out flat upon said bottom, substantially as specified.

7. In a child's folding carriage, the body composed of rigid side pieces and inwardly-folding two-leaved hinged end pieces, the leaves of said end pieces folding together between said side pieces and leaving a vacant space between said side pieces near their middle, in combination with a folding hinged handle having side rods pivoted at their lower ends to the carriage-body, said handle, when folded, fitting in said open space between said side pieces of the body, substantially as specified.

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Witnesses:

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