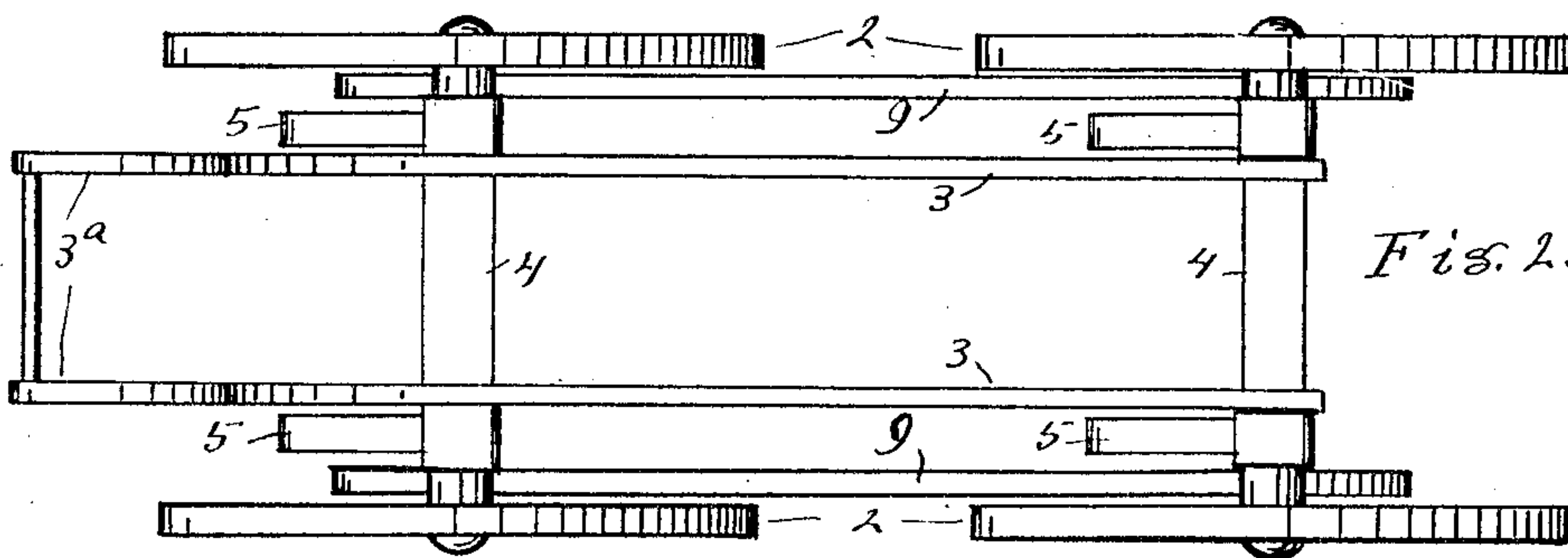
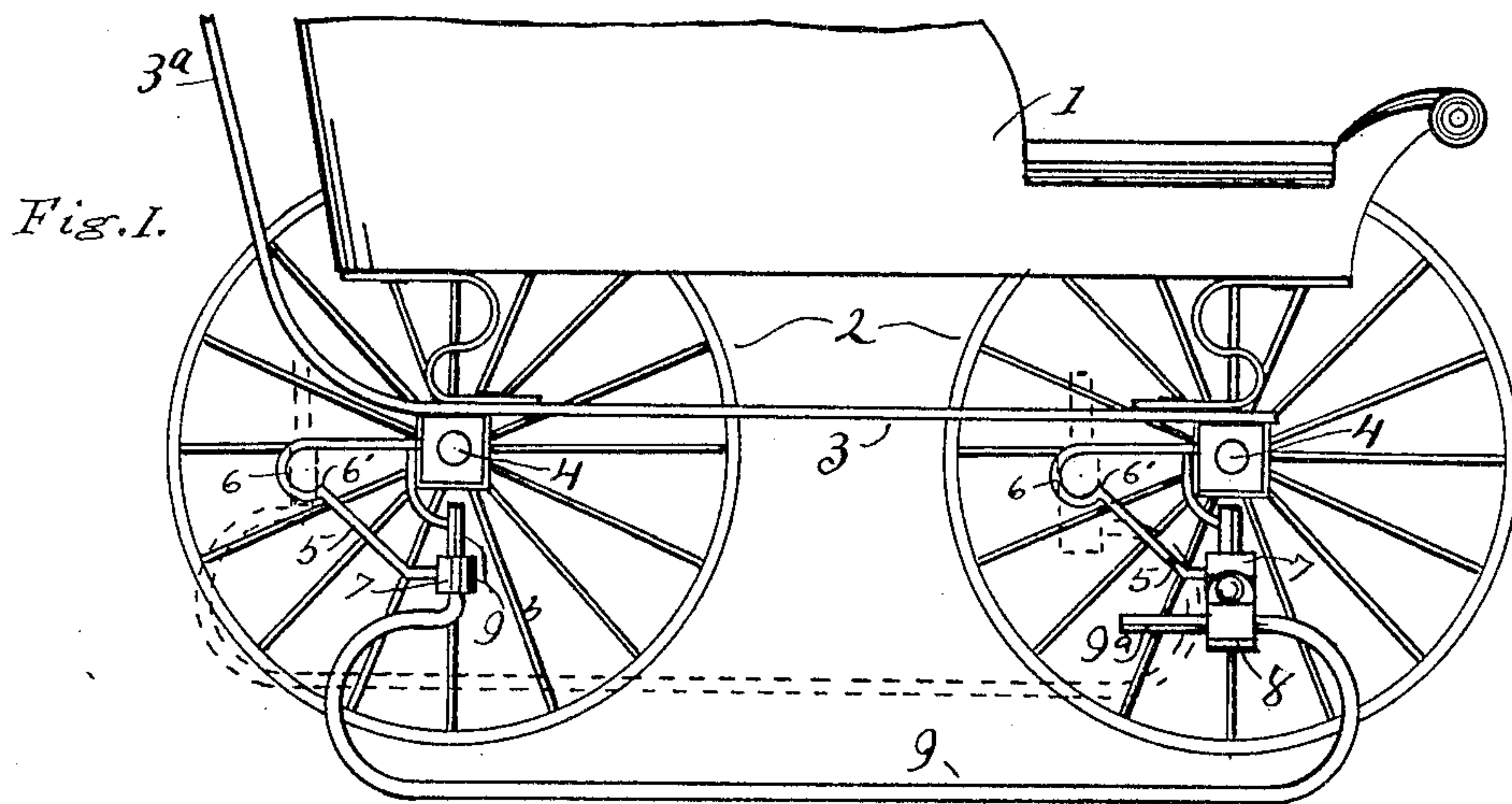


No. 871,961.

PATENTED NOV. 26, 1907.

W. H. SMITH.
PERAMBULATOR.

APPLICATION FILED FEB. 25, 1907.



UNITED STATES PATENT OFFICE.

WILLIAM HENRY SMITH, OF REED CITY, MICHIGAN.

PERAMBULATOR.

No. 871,961.

Specification of Letters Patent.

Patented Nov. 26, 1907.

Application filed February 25, 1907. Serial No. 359,311.

To all whom it may concern:

Be it known that I, WILLIAM HENRY SMITH, citizen of the United States, residing at Reed City, in the county of Osceola and State of Michigan, have invented certain new and useful Improvements in Perambulators, of which the following is a specification.

My invention relates to improvements in perambulators or baby carriages, and its objects are: First, to so construct a perambulator that it may be made interchangeable from a wheel to a sleigh perambulator without waste of time. Second, to provide a runner attachment for perambulators that may be readily adjusted to fit perambulators of various lengths or widths, and, third, to provide a runner attachment for perambulators that may be readily adjusted to be used upon a perambulator having any of the ordinary sizes of wheels from 5 to 18 inches in diameter, or more. I attain these objects by the mechanism illustrated in the accompanying drawing in which

Figure 1 is a side elevation of a portion of a perambulator with the wheels removed from one side to show the manner of attaching runners to the body of the perambulator. Fig. 2 is a top plan of the supporting frame of a perambulator. Fig. 3 is a back elevation of a perambulator. Fig. 4 is a side elevation of the adjusting brackets, and Fig. 5 is a side elevation of the cleat that supports the runners, and Fig. 6 shows an adjustable slot piece on the cross cleat.

Similar letters refer to similar parts throughout the several views.

1 represents a portion of the body of the cab; 2 represents the wheels; 3 and 3^a are the connecting bars and handles of the cab or perambulator. The portion 3 of this device connects and supports the axletrees 4, as indicated in Figs. 1 and 2.

To support the runners 9 I secure bracket standards 11 to the axletrees 4 and to these I secure inclines 5, at the upper ends of which I form loops 6 so that the points 6' will be somewhat higher than the bottom of the loops a little further back so that when the cleat 11 is raised to the position indicated by the dotted lines in Figs. 1 and 4 there will be no danger of its dropping from its bearing and allowing the runners to come in contact with the ground when not desired. The cleat 11 is provided with slots 11' that allow it to slide freely on the inclines 5 for raising or lowering the runners 9 and has a

bearing at each end, as at 7, for receiving and supporting the upwardly projecting bolt 8 at the front end of the runners and the extension 9^b at the back end of the runners. 60

My appliance for adjusting the runner supports to perambulators of different lengths consists of the bolt 8 arranged so that it may be slid backward or forward on its bearing 9^a and for adjusting the runners vertically the bolt 8 and the extension 9^b may be raised or lowered in the bearings 7 wherein they are firmly clamped by means of the bolts 7'. I provide for further adjusting the runners vertically to make the same attachments available for extremely large wheels, say 18 inches in diameter, or for extremely small wheels, say five or six inches in diameter, by so arranging the clamps 4', that clamp the brackets 5—6 to the axletree 4, that they may be secured to the standard 5' and may be placed high up or low down on the axletrees 4, as indicated in Fig. 4.

As there is sometimes a necessity for varying the distance between the runners 9 I sometimes provide for lateral adjustment of the runners by making the cleat 11 in two pieces and making a series of holes A for the adjustment of the screws A'.

The cleat may be held against the standards 5' by any available form of fastening, as indicated by the latches 10, in Fig. 3 or Fig. 4.

It will be readily understood that if the perambulator is being used with the runners 9 in position for carrying the perambulator, as indicated by the solid lines in Figs. 1 and 3, and it is desired to bring the wheels 2 into use, this can be done by throwing the latches 10 away from contact with the cleat 11, as indicated by their dotted lines in Fig. 3, when the runners may be raised to the position of their dotted lines in Fig. 1 and will stand suspended from the bearing 6, as hereinbefore intimated.

In Fig. 6 I have shown a slide B secured on the cleat 11 and having the slot 11' in it so that the position of the slot may be readily changed by simply changing the screw a' from one hole a to another. This is sometimes very convenient when it is desired to vary the distance apart of these slots without changing the distance apart of the wheels.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent of the United States is:

1. In combination with a wheeled perambulator, axletrees connecting the wheels in

- pairs, brackets secured to the axletrees and projecting backward therefrom and having inclines at the lower back portion, a depressed bearing at the upper end of each of
- 5 said inclines, a cleat slidingly supported on said brackets and having bearings at the ends, runners having upright bolts thereon and said bolts secured in the bearings at the ends of the cleats.
- 10 2. In combination with a wheeled perambulator, axletrees connecting the wheels in pairs, brackets secured to the axletrees and projecting backward therefrom and having inclines at the lower back portion, a de-
- 15 pressed bearing at the upper end of the inclines, cleats having slots to engage the bracket, bearings at the ends of the cleats, runners having horizontal projections at the front ends and vertical projections at the
- 20 back end, vertical bolts secured to and longitudinally adjustable on the horizontal projections on the front end of the runners, said bolts and the vertical projections at the back ends of the runners secured in the bearings at
- 25 the ends of the cleats, and vertically adjustable therein.
3. In combination with a wheeled perambulator and its axletrees, brackets secured to the axletrees and projecting backward there-
- 30 from and having an incline at the lower back portion, a cleat having slots to engage the brackets and bearings at the ends, said cleats

made in two pieces arranged to overlap and made adjustable lengthwise, and runners supported and vertically adjustable in the 35 bearings at the ends of the cleats.

4. In combination with a perambulator and its axletrees, brackets secured to and vertically adjustable on the axletrees and projecting backward therefrom, the back 40 lower portion inclining upward and terminating in bearings having the approach higher than the bearing, cleats supported by and adjustable upon said brackets, and runners supported by the cleats and vertically 45 adjustable thereon.

5. In combination with a perambulator and its axletrees, brackets secured to and vertically adjustable on the axletrees, cleats supported on the brackets and longitudi- 50 nally adjustable, an upward incline on each bracket, runners supported by the cleats and vertically adjustable thereon, a horizontal portion projecting back from the front end of each runner, and a bolt longitudinally ad- 55 justable thereon, all substantially as and for the purpose set forth.

Signed at Reed City Michigan February 20, 1907.

WILLIAM HENRY SMITH.

In presence of—

URBAN D. SEIDEL,
L. G. HAMMOND.