

No. 884,543.

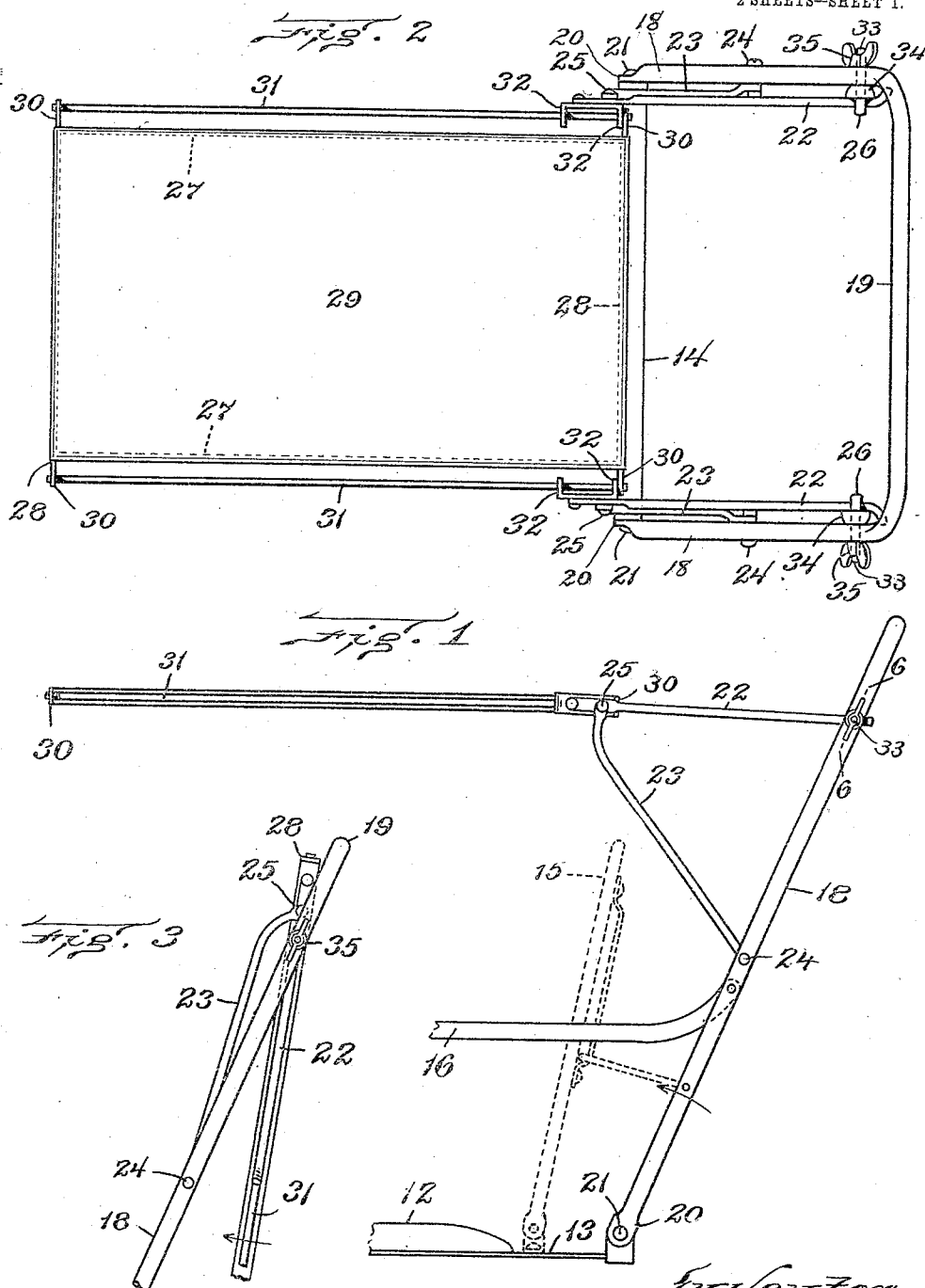
PATENTED APR. 14, 1908.

O. N. TURNER.

CANOPY TOP ATTACHMENT FOR PERAMBULATORS.

APPLICATION FILED OCT. 4, 1907.

2 SHEETS—SHEET 1.



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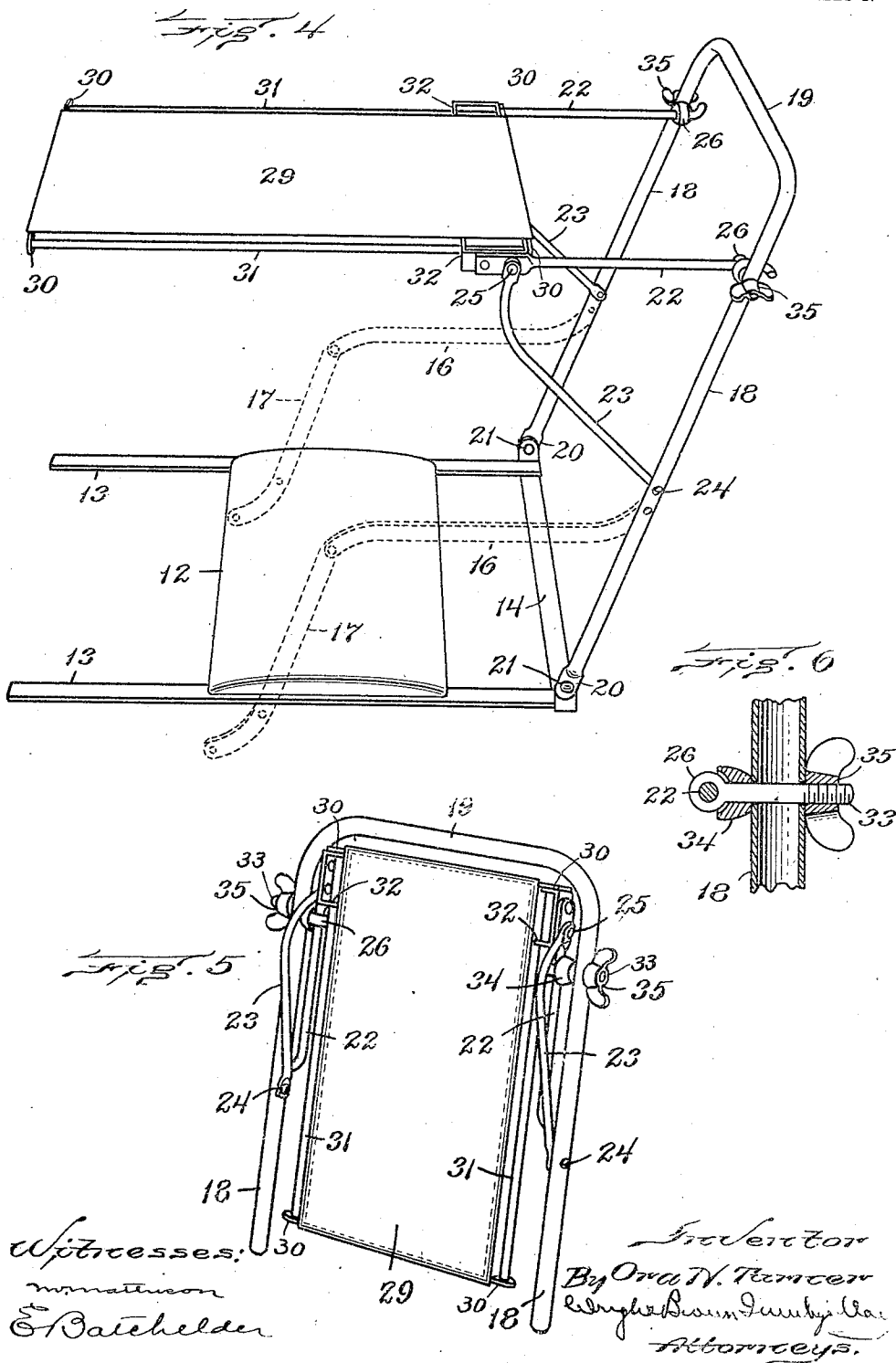
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2 SHEETS—SHEET 2.



UNITED STATES PATENT OFFICE.

ORA NORCROSS TURNER, OF TEMPLETON, MASSACHUSETTS, ASSIGNOR TO BAY STATE METAL WHEEL COMPANY, OF EAST TEMPLETON, MASSACHUSETTS, A CORPORATION OF MASSACHUSETTS.

CANOPY-TOP ATTACHMENT FOR PERAMBULATORS.

No. 884,543.

Specification of Letters Patent.

Patented April 14, 1908.

Application filed October 4, 1907. Serial No. 395,911.

To all whom it may concern:

Be it known that I, ORA NORCROSS TURNER, of Templeton, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Canopy-Top Attachments for Perambulators, of which the following is a specification.

This invention relates to children's carriages or perambulators so-called, and particularly to a structure of this character in which the seat-supporting frame is provided at its rear portion with a handle composed of side bars rising from the rear portion of the seat frame, and connected at their upper portions by a cross bar, whereby the carriage may be pushed.

The invention has for its object to provide a canopy top attachment for carriages of this character, adapted to be folded between the side bars of the handle when not required for use, and to be projected over the seat frame to shield the occupant of the carriage from the sun.

The invention consists in the improvements which I will now proceed to describe and claim.

Of the accompanying drawings, forming a part of this specification,—Figure 1 represents a side elevation of that portion of a perambulator which includes the handle and the rear part of the seat and its supporting frame, the canopy top attachment being shown in its projected or operative position. Fig. 2 represents a top plan view of the parts shown in Fig. 1. Fig. 3 represents an edge view of a portion of the handle and of the canopy top attachment, illustrating the operation of folding the latter. Fig. 4 represents a perspective view of the parts as shown in Figs. 1 and 2. Fig. 5 represents a perspective view of said parts, showing the canopy top folded between the side bars of the handle. Fig. 6 represents a section on line 6—6 of Fig. 1.

The same letters of reference indicate the same parts in all the figures.

In the drawings 12 represents the seat of a collapsible perambulator, and 13 13 represent the side bars of the frame which supports said seat, said side bars being connected by suitable cross bars 14, of which only the rear cross bar is here shown. The running gear of the perambulator, including the wheels, foot rest, etc., is not here shown, as

it forms no part of the present invention, and may be of any suitable construction.

In Fig. 1 I have shown by dotted lines, a back 15 and arms 16 extending forward from opposite sides of the back, and in Fig. 4 I show levers 17 connecting the forward ends of the arms with the seat frame, said dotted line construction showing suitable complementary parts adapted to cooperate with the handle and canopy top attachment, hereinafter described, in any operative perambulator constructed to be folded into compact form when not in use. It will be understood, however, that my improvements, including the handle and the canopy top attachment hereinafter described, may form parts of a structure which is not adapted to be folded, and may be of any construction not inconsistent with the objects of my invention hereinafter set forth.

18 18 represent the side bars of a substantially U-shaped handle, which is completed by a connecting cross bar 19, the said side bars 18 and cross bar 19 being preferably formed by bending a single length of metallic tubing, the lower ends of the cross bars being provided with ears 20 which are pivoted at 21 to ears on the seat frame, the handle being thus adapted to be folded forward against or toward the seat frame when the carriage is not in use.

On the side bars 18 of the handle are mounted a pair of foldable brackets, each adapted to be folded between the side bars as shown in Fig. 5, and projected from the side bars, as shown in Fig. 4, each bracket as here shown being composed of guide members 22, slidably connected with the bars 18, and brace members 23, each pivoted at 24 to one of the side bars 18, and at 25 to one of the guide members 22.

The preferred construction whereby the brackets are adapted to be folded between the side bars 18, comprise first the described pivotal connection between the brace members 23 and the side arms and guide members, and secondly guide eyes 26 rotatively mounted in the side bars 18, the guide members being movable longitudinally in said guide eyes, and adapted to assume different positions by the rotation of said guide eyes in the side bars 18, so that the guide members, in addition to their longitudinal movement in the guide eyes, are adapted to stand horizontally,

as shown in Figs. 1, 2 and 4, and to be inclined and stand substantially parallel with the side bars 18, as shown in Fig. 5. With the said brackets is slidably engaged a canopy top, preferably composed of a rectangular frame, comprising side bars 27 and end bars 28 and a sheet 29 of any suitable material, such as leather, cloth coated to resemble leather, etc., secured to the said frame. The end portions of the frame are provided with projecting ears 30, which are preferable extensions of the end bars 28. To these ears are attached rods 31 extending parallel with the longitudinal edges of the canopy top, and adapted to slide in perforated ears 32, affixed rigidly to the guide members 22.

When the brackets and the canopy top are projected as shown in Figs. 1, 2 and 4, the top is supported in position to shield the occupant of the carriage, the brace members 23 supporting the guide members 22, which in turn support the canopy top. When it is desired to fold the canopy top and the brackets between the side bars of the handle, the canopy top and the guide members 22 are pushed backwardly, the guide members sliding in the guide eyes 26, and the canopy top sliding backwardly on the guide members until the ends of its front cross bar abut against the front ears 32, the canopy top and the guide members being at the same time tilted or swung to depress the rear end of the top and the rear ends of the guide members, the swinging movement of the top and of the guide members being continued in the direction indicated by the arrows in Fig. 3 until said parts are located between and are substantially parallel with the side bars of the handle, as shown in Fig. 5, the brace members 23 being at the same time swung upwardly from their lower ends, so that the brackets are folded, and the top and guide members are brought into substantially the same plane as the side bars of the handle. The top and brackets are thus compactly stored in such position that they may be swung with the handle in the direction indicated by the arrow in Fig. 1, to permit the carriage to be reduced to a compact form by folding the handle over the seat frame, if the invention is embodied in a collapsible structure. If the handle is rigidly attached to the seat frame, the canopy top and brackets are supported so that they are out of the way when the carriage is in use.

The guide eyes 26 are provided with screw-threaded shanks 33, which pass loosely through orifices in the side bars 18, and are adapted to turn therein. Collars 34 are interposed between the inner sides of the side bars and the guide members 22, said collars surrounding the shanks 33. Thumb nuts 35 are engaged with the threaded outer end portions of the shanks 33, and are adapted to bear on the outer sides of the side bars 18.

When the thumb nuts are turned inwardly, they cause the collars 34 to bind firmly against the guide members 22, and thus lock the latter against endwise movement in the guide eye, so that the brackets may be locked either in their projected position, shown in Fig. 4, or in their retracted position, shown in Fig. 5.

My invention is not limited to the details of mechanism for supporting the canopy top. I believe myself to be the first to provide brackets or supports adapted to swing between the side bars of a handle, and a canopy top slidably engaged with said brackets or supports. Any suitable construction may be adopted which will provide brackets or supports having an adjustable connection with the side bars of the handle, and a top having a sliding connection with the supports.

I claim:

1. In a perambulator, the combination of a seat frame, a handle mounted thereon, and comprising side bars and a connecting cross bar, foldable brackets mounted on said side bars, and adapted to be folded between and projected from the side bars, and a canopy top slidably engaged with said brackets, and adapted to be retracted between the side bars by the folding of the brackets, and projected from the side bars over the seat frame when the brackets are projected.

2. In a perambulator, the combination of a seat frame, a handle mounted thereon, and comprising side bars and a connecting cross bar, guide eyes pivoted on the upper portions of the side bars, foldable brackets composed of guide members slidable in said eyes, and brace members pivoted at their ends to said guide members and side bars, respectively, and a canopy top, slidably engaged with the guide members, and adapted to swing therewith from a retracted position between the side bars to a projected position above the seat frame.

3. In a perambulator, the combination of a seat frame, a handle mounted thereon, and comprising side bars and a connecting cross bar, foldable brackets mounted on said side bars, and adapted to be folded between and projected from the side bars, a canopy top slidably engaged with said brackets and adapted to be retracted between the side bars by the folding of the brackets, and projected from the side bars over the seat frame when the brackets are projected, and means for locking the brackets in their projected position.

4. In a perambulator, the combination of a seat frame, a handle mounted thereon and comprising side bars and a connection cross bar, foldable brackets mounted on said side bars, and adapted to be folded between and projected from the side bars, a canopy top slidably engaged with said brackets and

adapted to be retracted between the side bars by the folding of the brackets, and projected from the side bars over the seat frame when the brackets are projected, and means for locking the brackets in their folded position.

5. In a perambulator, the combination of a seat frame, a handle mounted thereon, and comprising side bars and a connecting cross bar, guide eyes pivoted on the upper portions of the side bars, foldable brackets composed of guide members slidable in said eyes, and brace members pivoted at their ends to said guide members and side bars, respectively, a canopy top slidably engaged with the guide members and adapted to swing therewith from a retracted position between the side bars to a projected position above the seat frame, and means for adjusting said guide eyes to lock the brackets.

6. In a perambulator, the combination of a seat frame, a handle mounted thereon, and comprising side bars and a connecting cross bar, guide eyes pivoted on the upper portions of the side bars, foldable brackets composed of guide members slidable in said eyes, and brace members pivoted at their ends to said guide members and side bars, respec-

tively, a canopy top slidably engaged with the guide members, and adapted to swing therewith from a retracted position between the side bars to a projected position above the seat frame, said guide eyes having threaded shanks passing through the side bars, clamping collars surrounding the said shanks, and interposed between the guide eyes and the side bars, and thumb nuts engaged with the threaded portions of the shanks, and adapted to bear on the side bars.

7. In a perambulator, the combination of a seat frame, a handle mounted thereon, and having side bars, supports adjustably mounted on said side bars, and adapted to be retracted between and projected from the side bars, and a canopy top slidably engaged with said supports, and adapted to be retracted between the side bars by the retraction of the supports, and projected from the side bars over the seat frame when the supports are projected.

In testimony whereof I have affixed my signature, in presence of two witnesses.

ORA NORCROSS TURNER.

Witnesses:

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JOHN A. BARNES.