

A. E. ROBOTHAM.  
PERAMBULATOR.

APPLICATION FILED JUNE 26, 1908.

Patented Apr. 27, 1909.

2 SHEETS—SHEET 1.

919,956.

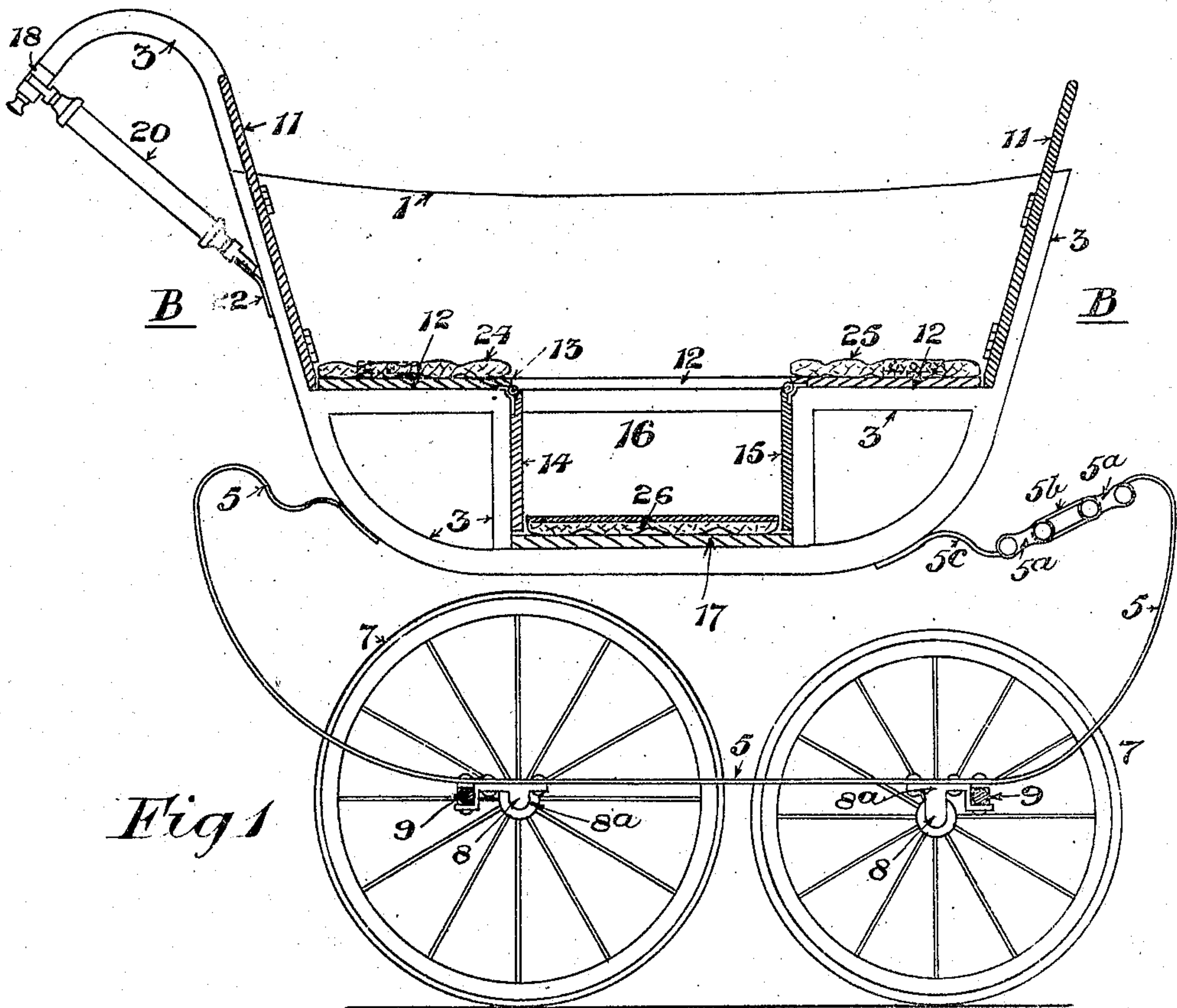


Fig 1

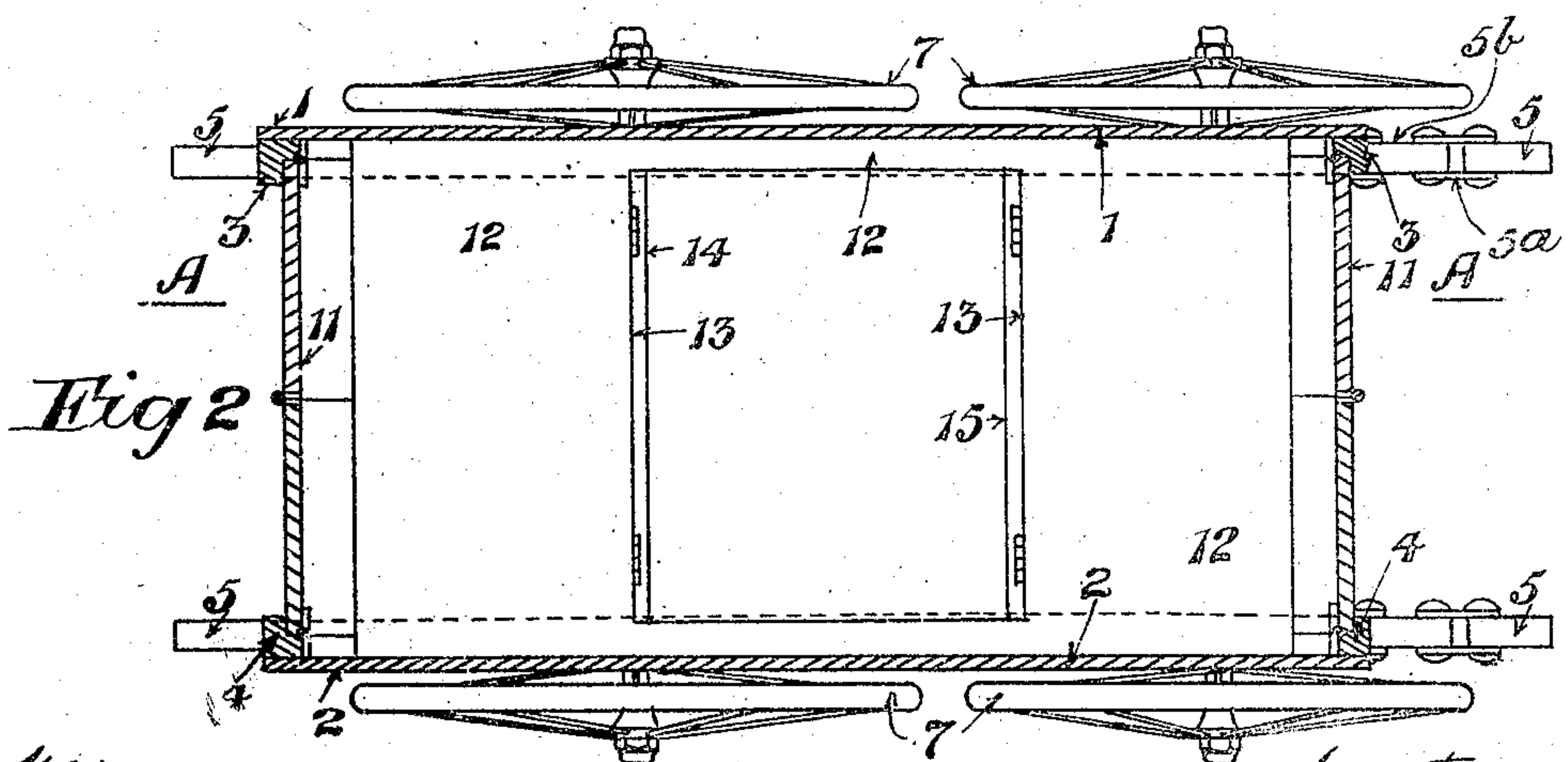


Fig 2

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Inventor  
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by J. B. Baker atty

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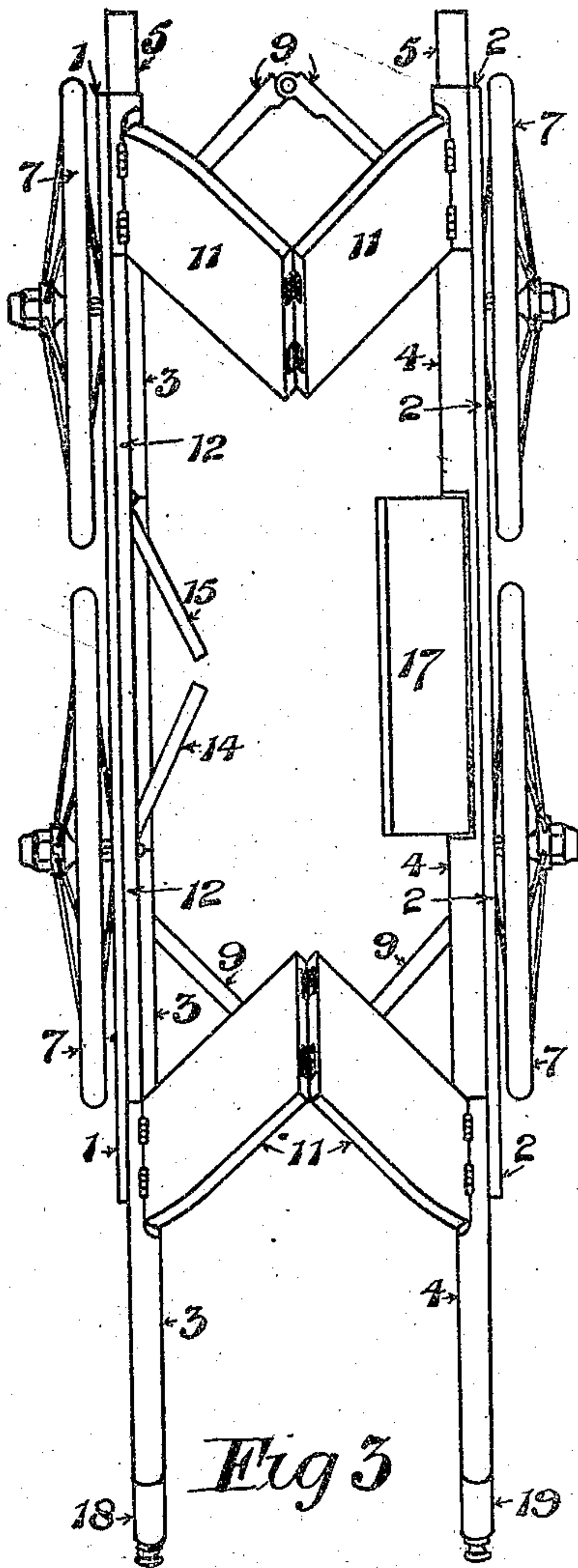


Fig 3

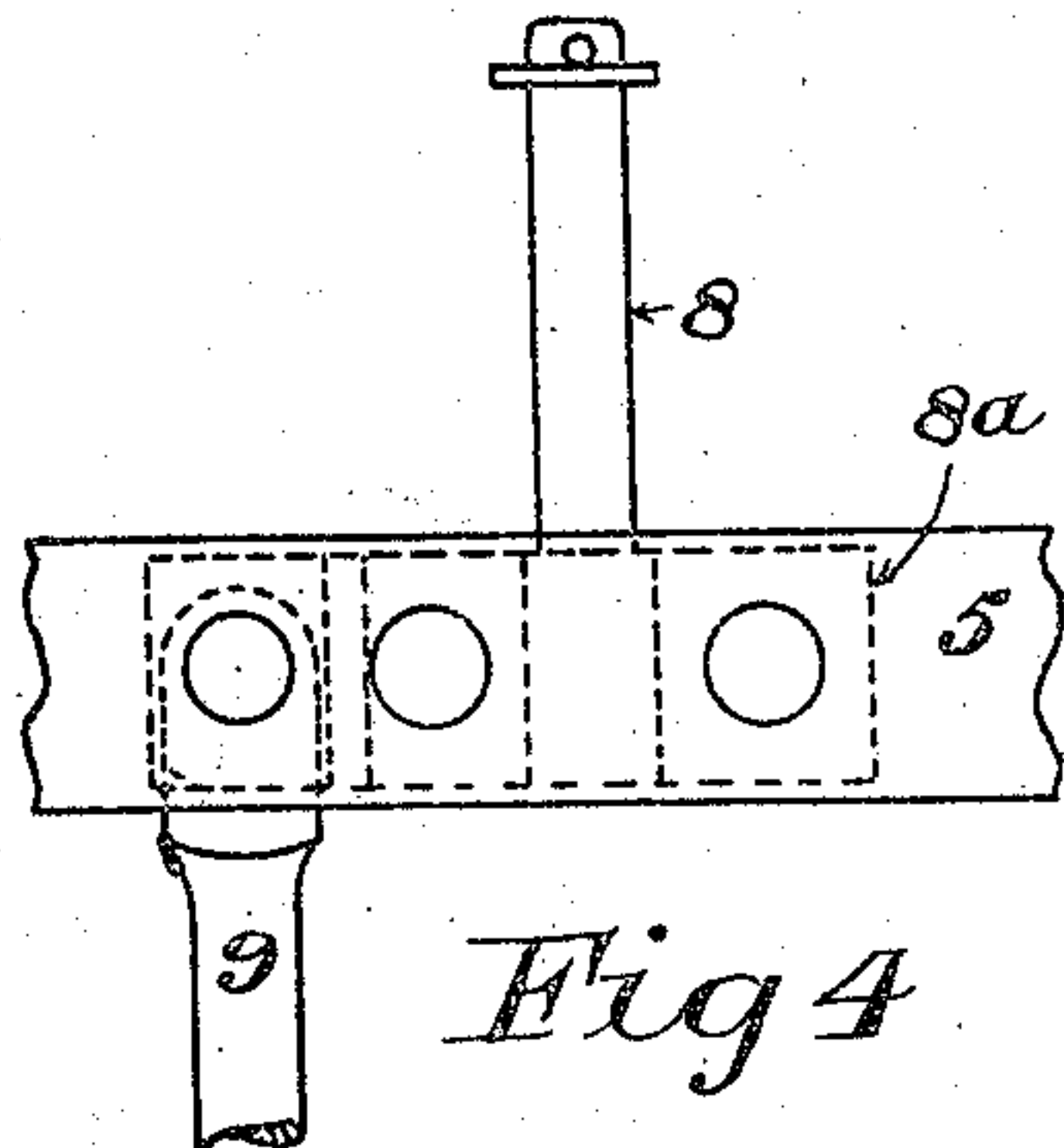


Fig 4

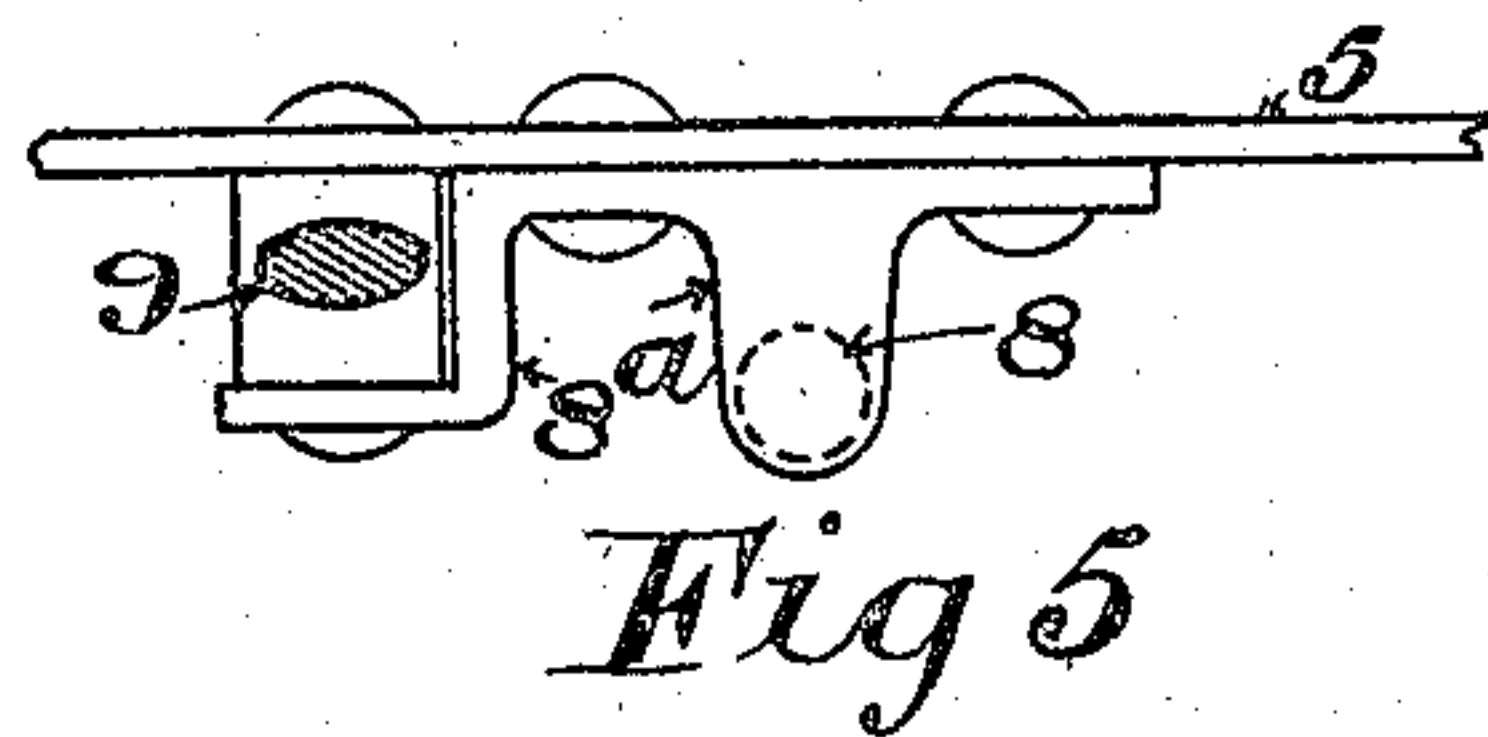


Fig 5

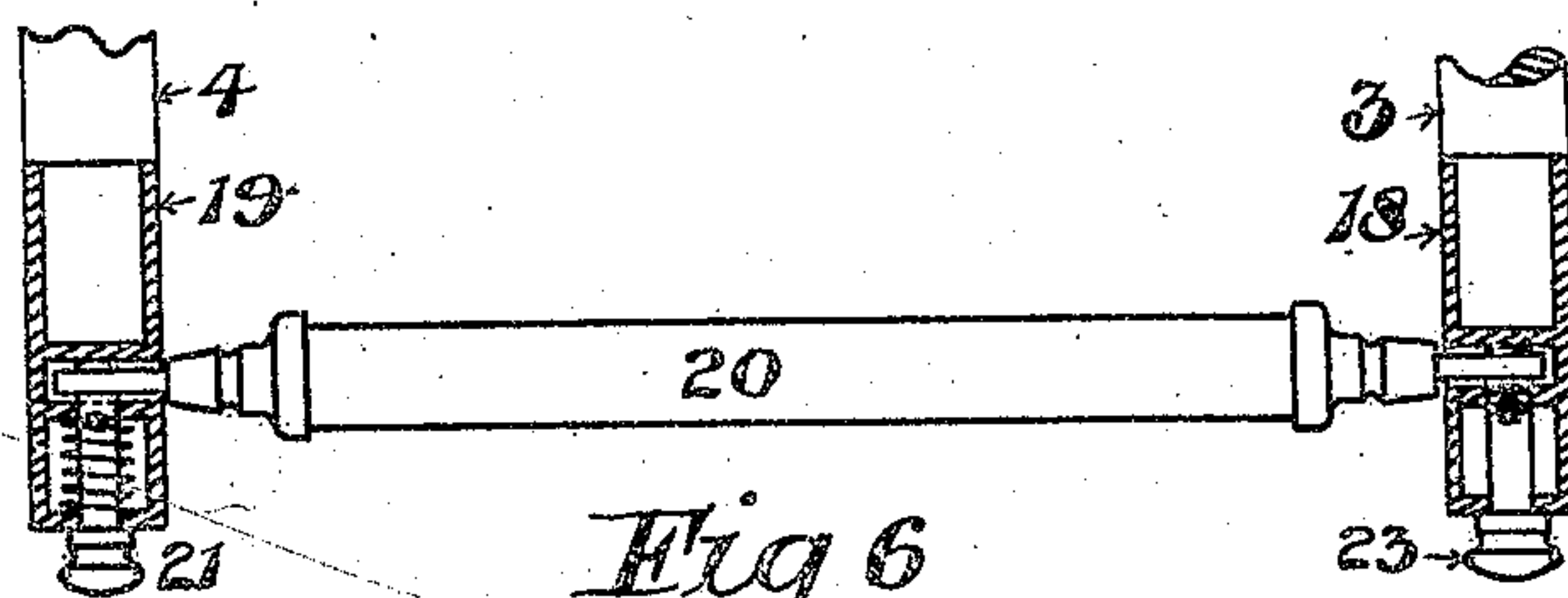


Fig 6

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# UNITED STATES PATENT OFFICE.

ALFRED ERNEST ROBOTHAM, OF NOTTINGHAM, ENGLAND.

## PERAMBULATOR.

No. 919,956.

Specification of Letters Patent.

Patented April 27, 1909.

Application filed June 26, 1908. Serial No. 440,573.

*To all whom it may concern:*

Be it known that I, ALFRED ERNEST ROBOTHAM, a subject of the King of Great Britain, and resident of the city of Nottingham, in the county of the said city, England, have invented new and useful Improvements in Perambulators, of which the following is a specification.

This invention relates to improvements in perambulators which can be folded into a small space for convenience in storing and similar purposes, the object of the present invention being simplification in the construction of a folding perambulator, and improvements in the general arrangement of the parts whereby the perambulators can be opened and held rigid without the use of separate fastenings.

In the drawings, Figure 1. is a sectional elevation on the line A. A. Fig. 2. Fig. 2. is a sectional plan on the line B. B. Fig. 1. Fig. 3. is a plan of the improved perambulator partly closed. Fig. 4. is a plan of the wheel axle bracket showing the connection of the jointed stay. Fig. 5. is an elevation of the same, and Fig. 6. is a plan of the handle bar showing also the means for connecting it to the perambulator.

According to this invention the improved perambulator is provided with rigid frames 3 and 4 which are shaped to form the handle shafts and are provided with vertical pieces between the horizontal members of the frame. To these frames the sides 1 and 2 are attached and such sides may be of wood, cane or other material commonly used for this purpose and they may be plain or ornamented in any suitable manner. The frames 3 and 4 are mounted on springs 5 one end of each of which is screwed to the frame while the other end is connected thereto by links 5<sup>a</sup>, leather or other similarly flexible coupling 5<sup>b</sup>, and a short spring 5<sup>c</sup>. In the improved perambulator these springs 5 constitute the sole connections between the pairs of wheels located at the respective sides of the vehicle and each wheel 7 is mounted upon an independent axle 8 and these axles are attached to or integral with brackets 8<sup>a</sup> which are secured to the springs 5 and are shaped each to carry an axle or pivot for the end of the stay 9, which is jointed in the middle to allow of the perambulator being folded, and the joint is shaped to form a rigid stay between the opposite

wheels of each pair when the perambulator is open.

The bottom piece 12 of the perambulator is hinged to the side 1 and in the center is provided with an opening 13 to the ends 60 of which pieces 14 and 15 are hinged, such pieces being designed to fill the opening 13, or be less than such opening, so that the bottom 12 and the pieces 14 and 15 can be turned to rest in contact with the side 1 65 when the perambulator is closed, while the pieces 14 and 15 form ends to the well or recess 16 when the perambulator is opened. The bottom of this well or recess is formed by a piece 17 which is hinged to the frame 70 4 and is of such a width and length that it fits between the vertical uprights of the frame 3, and between the sides 1 and 2 when the perambulator is opened.

The ends 11 of the perambulator are in 75 halves and the inner ends of these halves are hinged together while the outer edges of the halves are hinged to opposite ends of the frames 3 and 4, the parts being so arranged and hinged that the ends fold inward as shown in Fig. 3. The handle ends of the frames 3 and 4 may be shaped so that they can be grasped by the hands, but preferably they are fitted with a cross bar 20 as shown in the drawings. This cross bar is 85 provided with flattened ends and the frame 3 is fitted with a metal cap 18 to which one end of the cross bar 20 is pivotally connected by a pin 23. The end of the frame 4 is also fitted with a metal cap 19 and a pin 21 90 mounted therein is held forward by a spring to connect the cross bar 20 to the frame 4, the end of the cross bar or handle being shaped so as to enter a slot in the cap 19 and is perforated to allow the pin 21 to pass 95 through it when the cross bar is disposed so as to be between the frames 3 and 4. The frame 3 is also provided with a catch 22 suitably placed to engage with and hold the cross bar 20 when the cross bar is disconnected from the frame piece 4 as represented 100 in Fig. 1.

The perambulator is provided with cushions 24, 25 and 26, the cushion 26 being attached to a board so that it can be used to 105 cover the well when the bottom of the perambulator is to be used as a bed.

When the improved carriage is to be opened out for use the sides are pulled away from each other until they are approxi- 110



mately as shown in Fig. 3. The stays 9 are then forced into a straight line and this allows the ends to open also, after which the bottom of the well is lowered into position 5 and forms a strut at the bottom of the sides. The bottom of the perambulator is then lowered and securely locks the ends in their open position, and while these are held locked the perambulator cannot be closed. 10 The handle bar is then fixed in position and forms an efficient tie between the ends of the side frames.

#### Claims.

1. In a perambulator the combination of 15 the side frames, with side pieces attached to such frames, a bottom piece hinged to one of the sides, a well bottom hinged to the other and end pieces in halves hinged together and to the side pieces substantially as 20 herein set forth.

2. In a perambulator the combination of the side frames, with vertical members in such frames, ends in halves hinged to the sides, a bottom piece hinged to one side, the 25 bottom of the well hinged to the other side, and springs wheels and axles carried from the frames substantially as herein set forth.

3. In a perambulator, the combination of the side frames, a folding body carried by 30 the side frames, a cross bar arranged to constitute a detachable handle extending be-

tween the side frames, a cap to which one end of the handle is pivoted carried by one frame, and a cap provided with a spring catch for the free end of the handle carried 35 by the other frame piece.

4. In a perambulator the combination of the side frames with side pieces and springs attached thereto, independent wheel axles 40 carried by such springs, jointed stays between opposite axles, a bottom piece with a central opening, well end pieces hinged to the ends of such opening, a hinged bottom to the well and end pieces in halves hinged together and to the side pieces substantially 45 as herein set forth.

5. In a perambulator, side frames, and folding frames pieces between the side frames comprising a folding bottom in which is formed a bottom closed well. 50

6. In a perambulator the combination of a folding body with a cross handle bar hinged to one side frame, a spring catch for connecting the other end of the handle bar 55 to the other side frame, and a catch for receiving and holding the handle bar when the perambulator is closed substantially as herein set forth.

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Witnesses:

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