P. TIPPMANN.

VEHICLE.

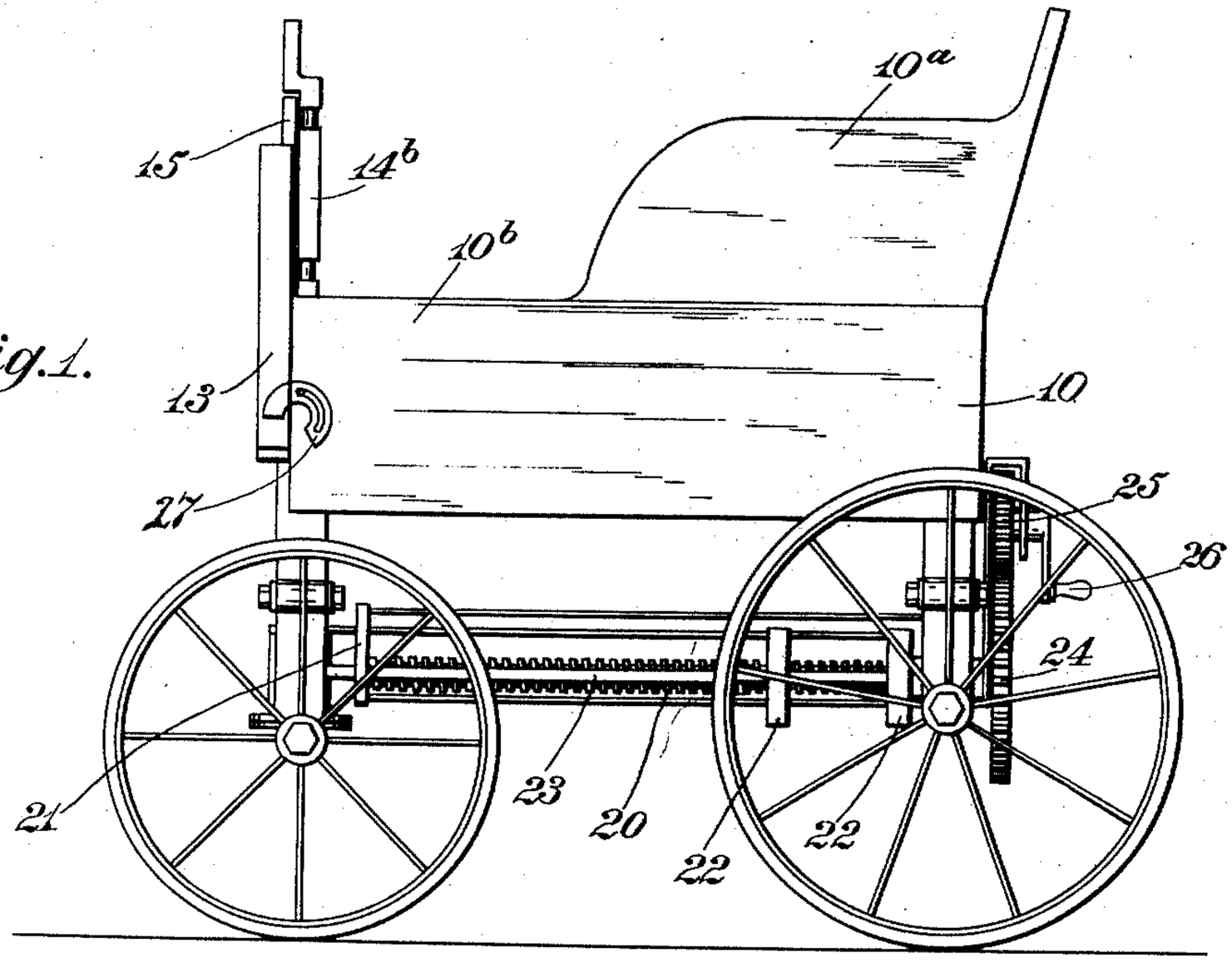
APPLICATION FILED DEC. 2, 1908.

928,564.

Patented July 20, 1909.

2 SHEETS—SHEET 1.

Fig. 1.



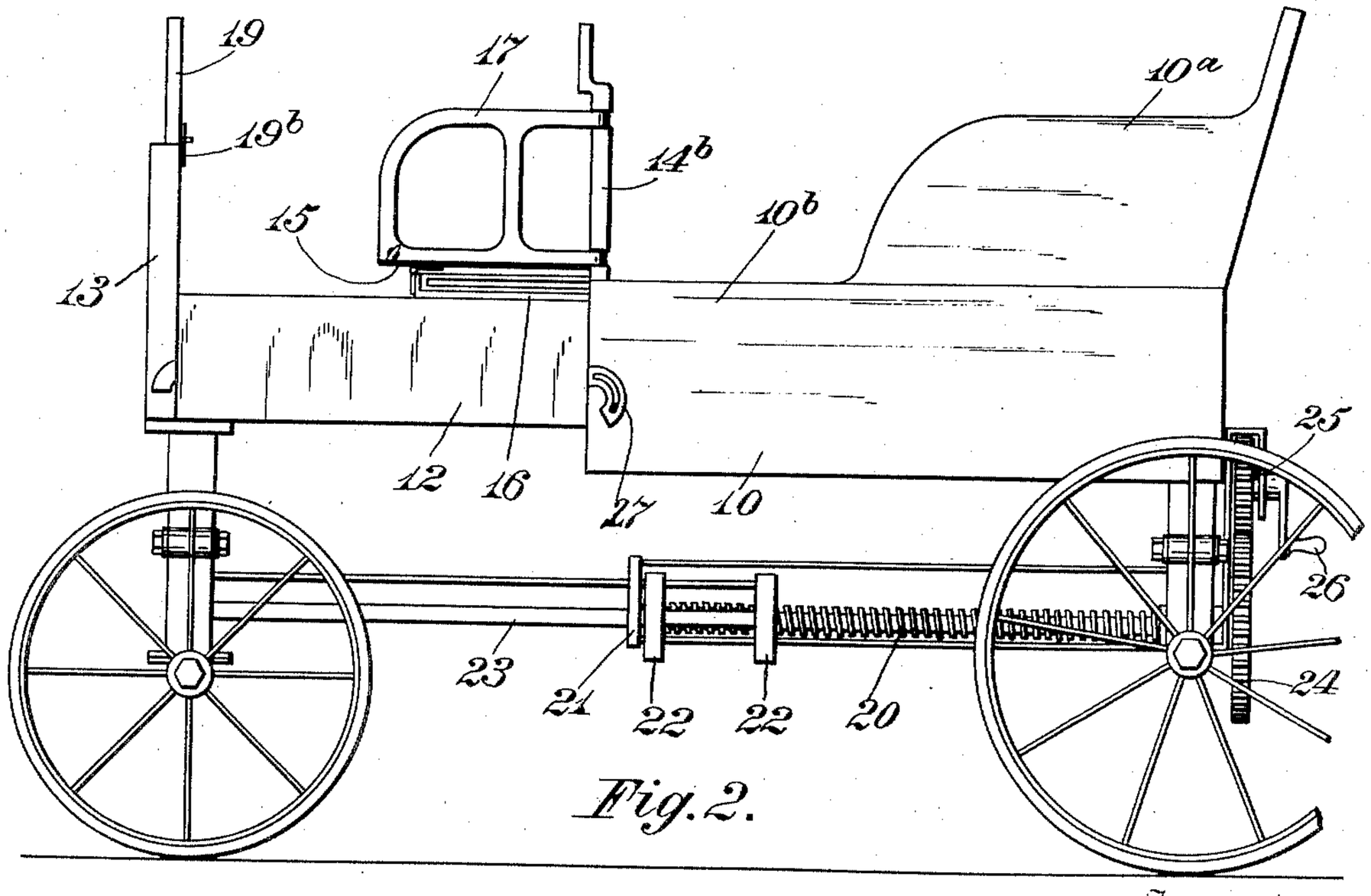


Fig. 2.

Witnesses

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2 SHEETS—SHEET 2.

Fig. 3.

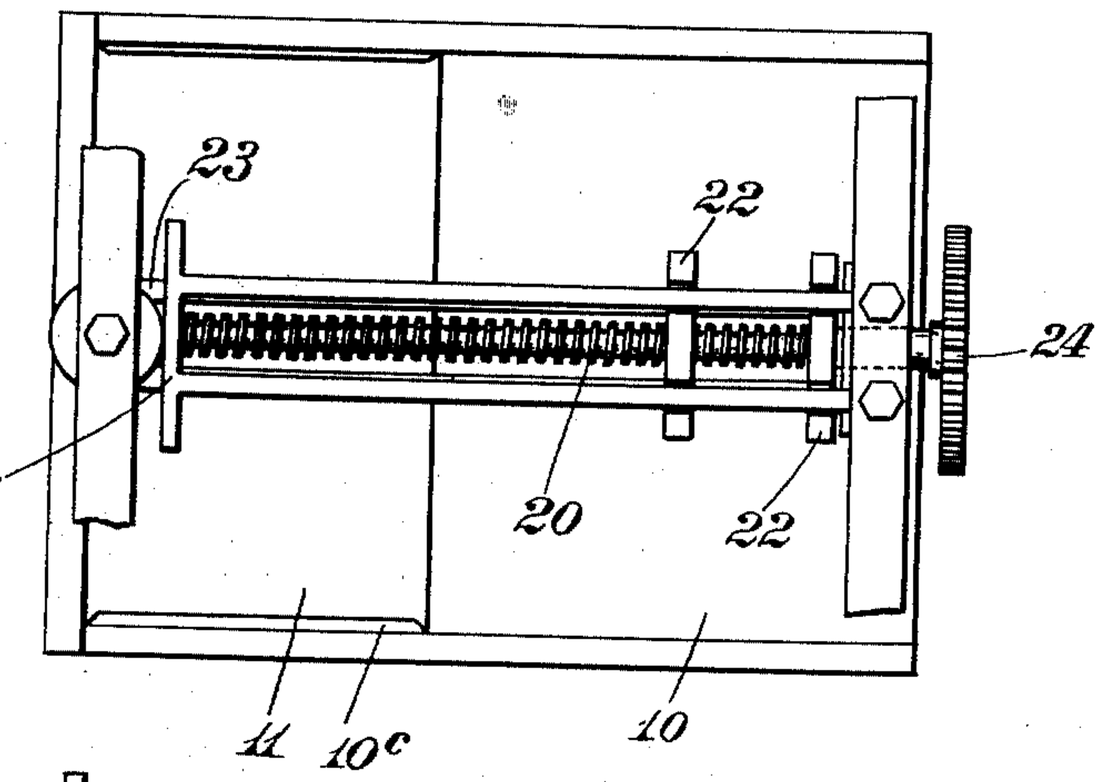


Fig. 4.

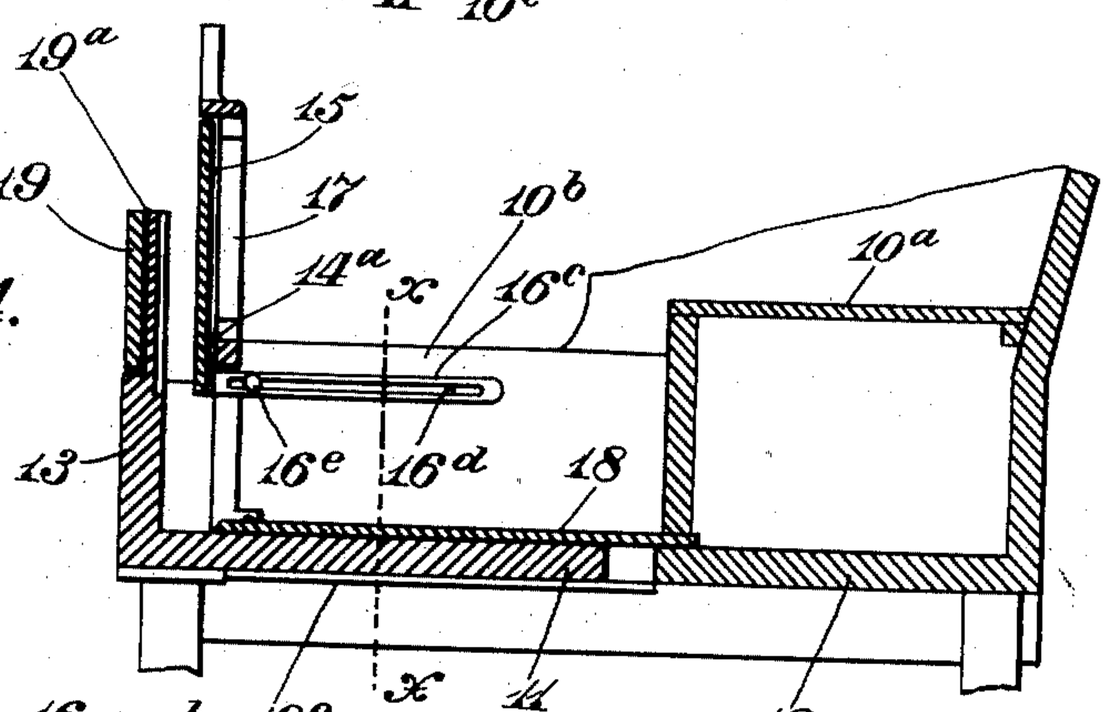


Fig. 5.

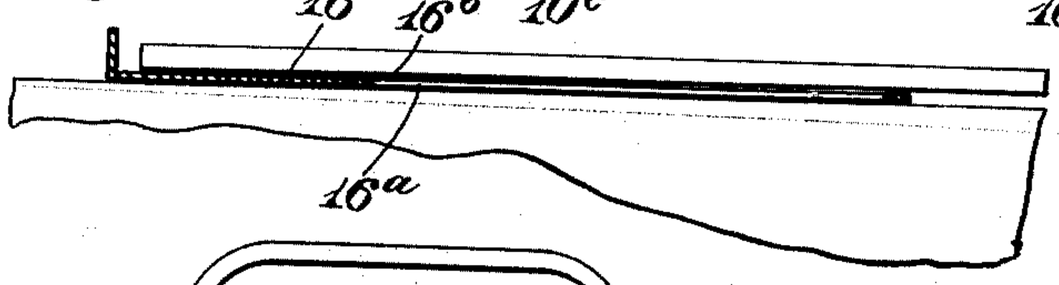


Fig. 6.

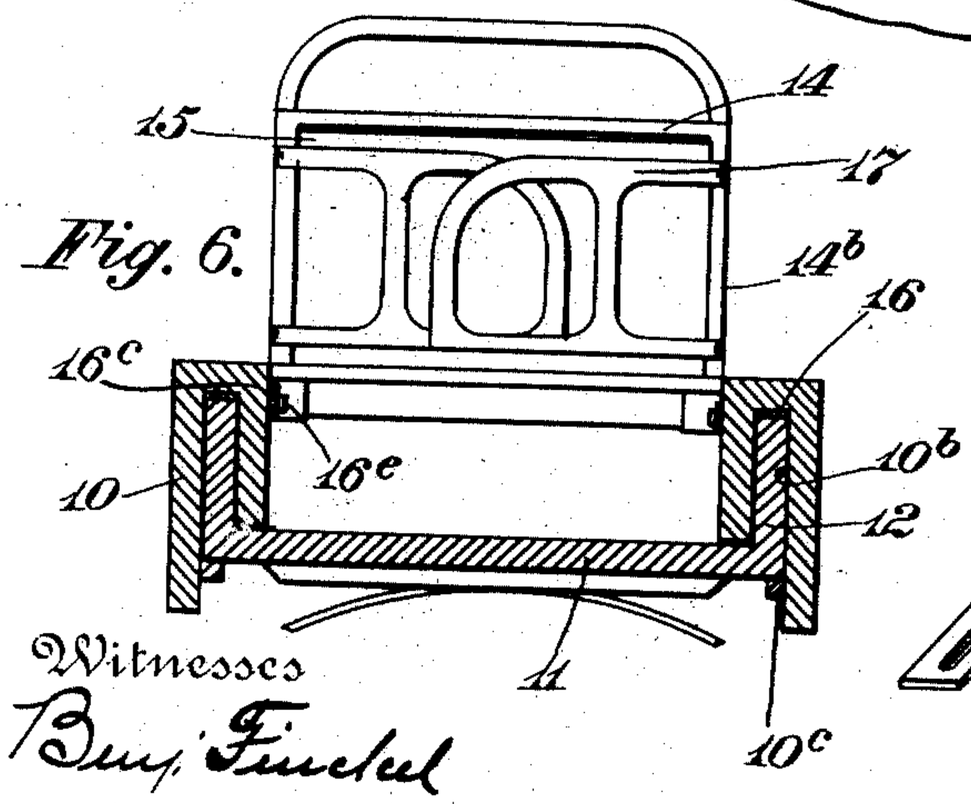
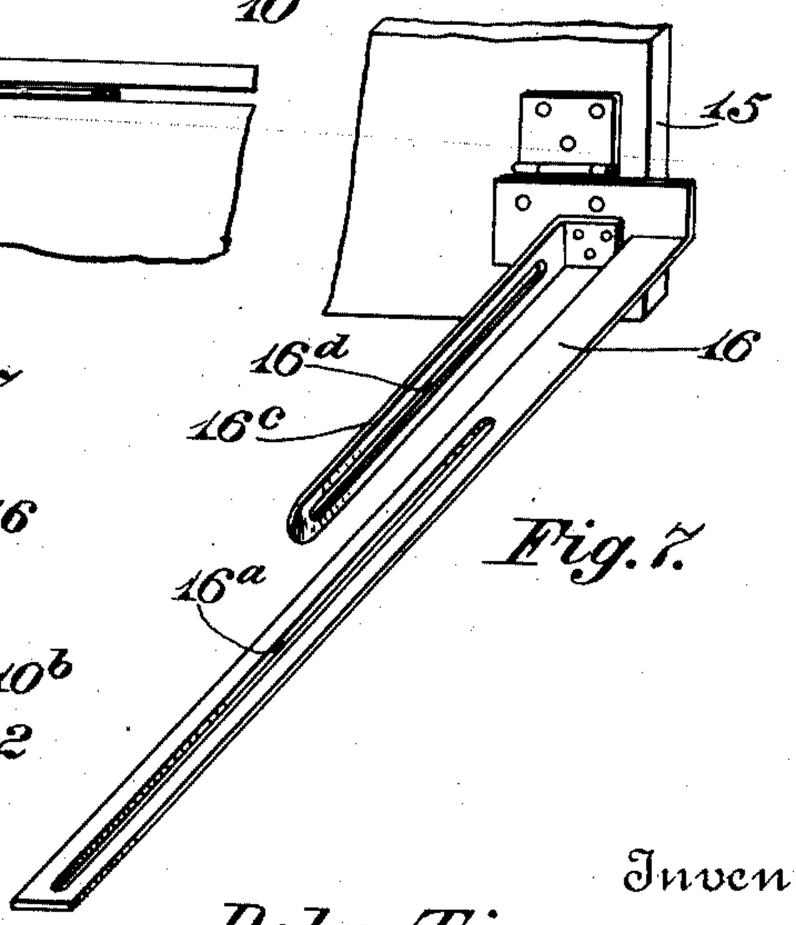


Fig. 7.



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UNITED STATES PATENT OFFICE.

BELA TIPPMANN, OF COLUMBUS, OHIO.

VEHICLE.

No. 928,564. Specification of Letters Patent. Patented July 20, 1909.

Application filed December 2, 1908. Serial No. 465,732.

To all whom it may concern:

Be it known that I, BELA TIPPMANN, citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented a certain new and useful Improvement in Vehicles, of which the following is a specification.

The object of this invention is to provide an improved vehicle that is furnished with extensible parts to provide a seat additional to that or those in the main portion of the vehicle.

The invention is embodied in the construction hereinafter described and claimed, the invention not being confined in its embodiment to the forms of parts shown in the accompanying drawings.

In said drawings—Figure 1 is a view in side elevation of the invention with the parts contracted. Fig. 2 is a similar view showing the parts extended. Fig. 3 is a plan view of the under side with portions broken out to illustrate the operating mechanism. Fig. 4 is a vertical sectional view through the body only, the parts being in contracted or closed position. Fig. 5 is a detail showing the seat carrier of the extensible portion. Fig. 6 is a vertical cross section on the line x—x, Fig. 4. Fig. 7 is a detail in perspective view illustrating the construction of one pair of the sliding bars to which the supplemental seat is attached.

In the views 10 designates the stationary body portion of the vehicle, which is provided with an ordinary permanent seat 10^a. The sides of the main body portion are each a double walled structure, as seen at 10^b, closed at its upper edge and open at its lower edge to form a slideway. The extensible portion of the body comprises a bottom 11, sides 12, that fit and are slidable in the slideways 10^b, and a front 13; and said extensible member is held in horizontal position with reference to the stationary member by means of cleats 10^c secured to the inner sides of the outer walls of the double walled side 10^b. The stationary portion and the extensible member are each supported on a separate and ordinary pair of wheels and with a suitable spring, as best indicated in Figs. 1 and 2, the wheels and springs of the extensible member being attached to said member so as to move with it in the extending or the closing operation.

14 designates a frame secured by legs 14^b to and erected from the forward ends of the inner sides of the walls 10^b, said frame constituting a "dash" for the vehicle when closed, and a back for the front or supplementary seat when the extensible portion is extended.

15 designates the added or supplementing seat. This seat is hinged, as seen at 14^a, to the forward ends of two bars 16 that slide on the upper edges of the sides 12 of the extensible portion. Said bars 16 are each provided with a longitudinal slot 16^a, into which projects a pin 16^b in the subjacent side 12. Said bar 16 can have supplementing bars 16^c connected to them at their forward ends, said bars 16^c reaching rearwardly and lying on the inner sides of the inner walls of the sides 10^b of the main body portion. Each bar 16^c is provided with a slot 16^d through which projects a headed pin 16^e to guide and hold it in horizontal position. When the extensible portion of the vehicle is moved forward, as hereinafter described, the seat 15 falls or can be pushed rearwardly into horizontal position, and when the extensible portion of the vehicle is retracted the seat is raised to vertical position.

17 designates the arms, one of which can be hinged to each upright at the end of the frame 14 so that it can swing or fold inward against or in line with said frame 14 when the extensible portion of the vehicle is retracted.

18 designates a suitable supplemental bottom with reference to which the extensible portion of the vehicle moves so as to keep closed the gap formed when the extensible portion is moved forward. The extensible portion of the vehicle at its forward or front end 13 has hinged to it at 19^a a portion 19 that can be raised and latched in raised position by any suitable latch at 19^b to form an adequate dash when the extensible portion of the vehicle is extended, as seen in Fig. 2.

The means for operating the extensible member comprises a screw 20 journaled horizontally in a suitable frame 21 under the stationary part of the vehicle and a suitable nut or nuts 22 carried by and held from turning in a suitable frame 23 secured under the extensible portion of the vehicle. The screw 20 is held by suitable means from longitudinal movement and turns in the nuts 22 so that by its operation it moves the frame 23 and the extensible portion of the vehicle

backward or forward, according to the direction in which it is turned. The rear end of said screw 20 has fixed to it a large spur gear 24 that is engaged by a pinion 25 having a crank 26 to turn it so as to make the operation of the screw easier if desired.

When the extensible portion of the vehicle is closed against the stationary portion the two can be latched together by a suitable latch as at 27.

With this construction it will be noted that two styles of vehicle are provided by one structure and that the conversion from one to the other is an exceedingly simple and expeditious operation.

What I claim and desire to secure by Letters Patent is:

1. In a vehicle, the combination of the stationary body portion and the extensible body portion sliding with reference to the stationary portion, a frame mounted at the forward portion of the stationary member having an upwardly folding seat adapted to be operated to be folded in the rearward movement of the extensible body portion and means for operating the extensible body portion.

2. In a vehicle, the combination of the stationary body portion and the extensible body portion sliding with reference to the stationary body portion, a pair of arms also sliding with reference to the stationary body portion having a seat mounted at their forward ends, means for limiting the extent of movement of said arms and the seat with reference to the stationary portion and means for operating said extensible body portion and the seat.

3. In a vehicle, the combination of the stationary body portion provided with a permanent seat, hollow slideways at the sides of the forward portion of said body portion, the extensible body portion having sides to fit and slide in the aforesaid slideways and means to guide said extensible portion horizontally in its movements, a pair of bars also sliding in the aforesaid slideways, a folding seat attached to the forward ends of said bars, means whereby said bars and seat are carried forward a limited distance only with reference to the stationary portion of the vehicle when the extensible portion of the vehicle is slid forward, and means for operating the extensible body portion.

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Witnesses:
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