

No. 830,702.

PATENTED SEPT. 11, 1906.

C. FAREZ.
BODY SUPPORT FOR CARS AND LIKE VEHICLES.
APPLICATION FILED FEB. 16, 1906.

Fig. 1.

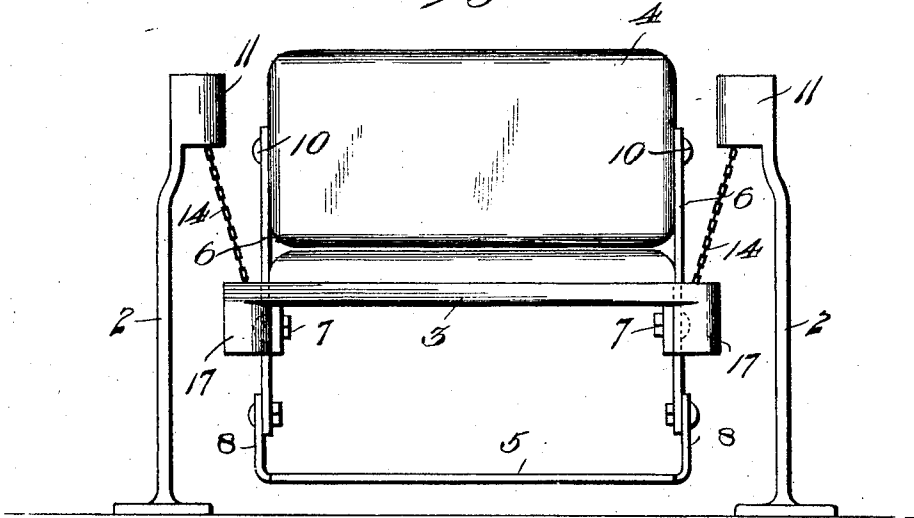


Fig. 2.

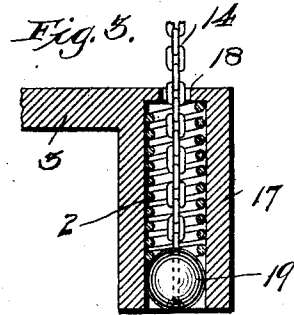
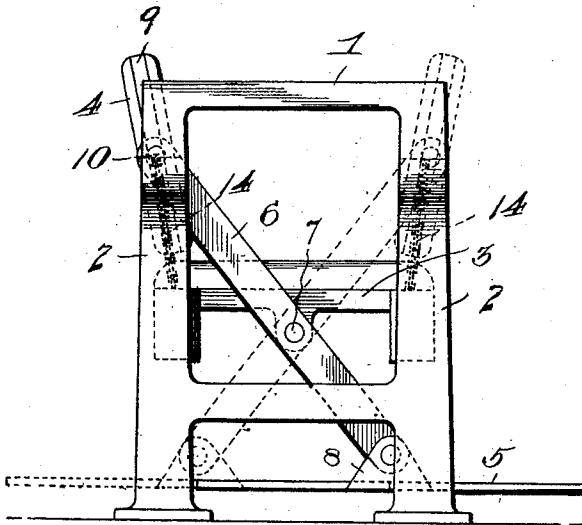
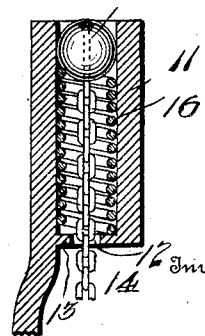


Fig. 4.



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BODY-SUPPORT FOR CARS AND LIKE VEHICLES.

No. 830,702.

Specification of Letters Patent.

Patented Sept. 11, 1906.

Application filed February 16, 1906. Serial No. 301,468.

To all whom it may concern:

Be it known that I, CHRIST FAREZ, a citizen of the United States, residing at Renovo, in the county of Clinton and State of Pennsylvania, have invented new and useful Improvements in Body-Supports for Cars and Like Vehicles, of which the following is a specification.

This invention relates to a body-support for use in cars and other like vehicles and may be either in the form of a seat or a bed; and the object of the invention is to suspend the occupant of the device in a resilient manner and without contact with any part of the floor, so far as the main portion of the body-support is concerned; to overcome inconvenience arising from vibrations due to the moving of the car or like vehicle and to avert injury in case of accident by absorbing shocks or sudden jolts.

In the accompanying drawings the invention is disclosed in the form of a seat, but it will be understood that the same principle may be embodied in a bed.

In the drawings, Figure 1 is a front elevation of a seat embodying the features of the invention. Fig. 2 is an end elevation of the same. Fig. 3 is a detail sectional view through a portion of the seat. Fig. 4 is a detail view through a part of the suspending means for the seat.

Similar numerals of reference are employed to indicate corresponding parts in the several views.

The numeral 1 designates end frames or uprights which are adapted to be attached to a floor or other base and structurally include side members 2, and between the frames or uprights 1 the body-support is suspended, and in the present instance consists of a seat 3, a back 4, and a foot-rest 5, the opposite ends of the back being movably attached to shifting levers or arms 6 and said levers or arms intermediately pivoted, as at 7, to the opposite ends of the seat and at their lower ends to upturned ears or projections 8 of the foot-rest 5. The ends of the back 4 are recessed, as at 9, to slidably receive the fulcrum means or studs 10, carried by the upper ends of the shifting levers or arms 6.

At the upper terminals of the side members 2 of the frame 1 are inwardly-projecting sockets 11, having reduced openings 12 in the bottoms 13 thereof for the free movement therethrough of suspending-chains 14. On the upper ends of the chains 14 spherical or

ball heads 15 are secured and bear against the upper extremities of springs 16 in the sockets 11, one spring being located in each socket. The chains 14 extend downwardly into sockets 17, located at the corners of the seat 3, and have reduced openings 18 in their top portions. On the lower ends of the chains 14 spherical or ball heads 19 are secured and bear against the lower extremities of springs 20, disposed in the said sockets 17, one spring being arranged in each of the latter sockets. From the foregoing it will be observed that the chains 14 are resiliently attached at their opposite extremities and that both the springs 16 and 20 come into play in the use of the seat in absorbing vibrations, shocks, or jars.

As indicated in dotted lines by Fig. 2, the foot-rest 5 is freely movable under the seat 3 and the change of the position or projection thereof with respect to opposite side edges of the seat is governed solely by the adjustment or overthrow of the back 4, the foot-rest always being projected beyond the side of the seat which at the time is not engaged by the back. The adjustment of the foot-rest 5 is effected through the shifting levers or arms 6 and may always be readily pursued in proportion to the movement of the back 4.

The seat when arranged for use as just described will when occupied suspend the occupant above the floor of the car or other base-rest and all vibrations, shocks, and jars will be transmitted from the floor or base through the uprights 1 and be absorbed by the springs 16 and 20, respectively, disposed in the sockets 11 and 17. By reason of this absorption of all unpleasant movements and vibrations the occupant of the seat will be relieved from dizziness or other unpleasant feeling, and, furthermore, in the event of accident or collision the sudden jar resulting therefrom and frequently throwing the occupant of a seat from the latter will be materially absorbed.

This same principle can be readily embodied in a bed for use in sleeping-cars with material advantages to the occupant thereof.

It is proposed to modify the details of construction to accommodate various applications of the invention.

What I claim is—

1. A body-support consisting of a seat having end sockets and provided with a shiftable back, frames between which the seat is located and having sockets at their upper extremities, yielding devices located within the sockets, suspending devices having enlarged

terminal means engaging the yielding devices within the sockets and connected to the seat, and a foot-rest connected to and simultaneously adjustable with the said back.

5 2. A body-support consisting of a seat having end sockets, frames between which the seat is located and having sockets at their upper extremities, springs located within the sockets, and suspending devices having enlarged terminal means engaging the said
10 springs within the sockets.

3. A body-support consisting of a seat having sockets at the opposite ends thereof with openings through the tops of the same, frames

adjacent to opposite extremities of the seat 15 and provided with sockets at their upper portions with openings in the bottoms of the same, springs located in the sockets of the seat and the frames, and flexible suspending devices having spherical heads at the oppo- 20 site ends thereof engaging the springs in the said sockets.

In testimony whereof I affix my signature in presence of two witnesses.

CHRIST FAREZ.

Witnesses:

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