

1,368,466.

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UNITED STATES PATENT OFFICE.

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SAFETY DEVICE FOR OCCUPANTS OF VEHICLES.

1,368,466.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ETHELDA A. TYLER, a citizen of the United States, residing at Villisca, in the county of Montgomery and State of Iowa, have invented certain new and useful Improvements in Safety Devices for Occupants of Vehicles; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to safety devices for occupants of vehicles, and it has more particular reference to a device of this class which is especially designed for holding a child or other person in the seat.

The object of the invention is to generally improve upon devices of this class by providing one which is extremely simple in construction, effective in use, easy to manipulate, and inexpensive to both the manufacturer and the user.

Other objects and advantages of the invention will be apparent during the course of the following description.

In the accompanying drawings forming a part of this specification and in which like numerals are employed to designate like parts throughout the same:

Figure 1 is a perspective view of the device constructed in accordance with my invention, the same being shown in position for use.

Fig. 2 is a vertical sectional view thereof.

Figs. 3, 4 and 5 are top plan views of the different types of straps employed in the make up of the device.

In carrying out my invention I employ a safety device of the above mentioned class which is constructed from a plurality of straps, one of which is intended to partially surround the waist of the occupant, and two of which are connected at their opposite ends to suitable points, incline downwardly and extend transversely across the cushion of the seat, the occupant being supposed to sit between these last named straps which carry a transverse strap which is arranged in front of the occupant to prevent forward tilting of the body.

Referring to the drawings wherein for the purpose of illustration is shown a preferred form of the invention, the numeral 1 designates an automobile body, provided with a seat 2 of conventional form, which as usual, carries a lap robe rail 3 at its back. The

removable cushion of the seat is denoted by the numeral 4.

By preference, my improved safety device is made up of a pair of straps 5 which extend beneath the cushion and are provided at their opposite ends with rings 6 and 7. When in correct position one end of this strap 5 should extend forwardly beyond the bottom of the cushion as illustrated in Fig. 2, while the opposite end should extend upwardly across the rear side of the cushion and beyond the top of the latter. Detachably connected to the rings 6 by means of snap fasteners 8, is a second pair of straps 9, which extend upwardly across the front side of the cushion, incline upwardly toward the back of the seat, extend over the top of the latter, and connect with the lap robe rail 3. Any means for connecting this end of the straps 9 may be employed, such as, for instance, buckles 10 which will well serve the purpose. Secured to the straps 9 adjacent the last mentioned end are a pair of short straps 11, which are designed to extend transversely across the back of the seat and be connected with the rings 7. Snap hooks 12 may also be employed for this connection. With this construction it will be seen that all of the straps will be properly retained in place. In addition to the foregoing, I employ two transversely extending straps 13 and 14, the first named being connected to the straps 9 in front of the occupant so as to prevent forward tilting of the body. On the other hand, the strap 14 which is connected to the ring 7, is intended to partially surround the waist of the occupant as indicated in Fig. 2. Strap 14 is adjusted by means of the buckle 15 with which it is provided.

In use, the occupant is first seated on the cushion 4 in the usual way. Assuming that the rear ends of the straps 9, that is the ends of the straps which carry the buckles 10 are disconnected, it will be seen that they should be brought upwardly and fastened to the lap robe rail 3 in the manner disclosed in Fig. 2. When in this position these straps will rest on the shoulders of the occupant and will serve to partially retain him or her on the seat. Then, the waist strap 13 will be brought around the waist of the occupant and there will be little or no possibility of the occupant ever falling from the seat.

It may be stated here that a device of this class is primarily intended to be used for

holding small children or babies in an automobile seat. A device of this character will be found highly advantageous in that it will permit a mother to strap her child in the seat in case she desires to drive the machine and has no assistant to take care of or hold the child. I desire to call attention to the fact that the construction of the device is such that it will permit the child to lie down on the seat and at the same time prevent him from falling out. Another feature of the device resides in the fact that when it is not in use, the straps may be detached from one another and rolled around the lap robe rail so that they will be in convenient position for further use and will at the same time be out of the way. The device is extremely simple in construction and is highly efficient in use. Furthermore, due to the fact that it is made up of ordinary straps and fastening members, it will be found extremely inexpensive to manufacture.

A careful consideration of the foregoing description taken in conjunction with the accompanying drawings will enable persons skilled in the art to which this invention appertains to obtain a clear understanding of the same, therefore, further description is deemed unnecessary.

It is to be understood that the form of the invention herein shown and described is to be taken as a preferred form of the same, and that various minor changes in shape, size, and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claims.

I claim:

1. A safety device for holding occupants in a vehicle seat comprising a pair of straps adapted to extend downwardly across the cushion and to be connected at their upper ends to the usual robe-carrying rail, their opposite ends extending to a point in front of the cushion, other straps connected to the first straps adjacent the upper ends of the latter, being adapted to extend downwardly across the back of the seat underneath the cushion, and in front of the latter for connection to the lower ends of the first named straps, and another strap connected to the second named straps, said other strap being intended to partially encircle the waist of

the occupant who is to sit between the first named straps.

2. A safety device for holding a person in a vehicle seat comprising a pair of straps to be passed beneath the cushion so that one end extends beyond the front edge of the latter, while the opposite ends extend upwardly across the rear side and above the top of said cushion, a second pair of straps to be connected at one of their ends to a lap rope rail and at their opposite ends to the ends of the first named straps which extend beyond the front edge of said cushion, other straps connected to the opposite ends of the last named straps and also to the second named straps, and a transverse strap also connected to the last named ends of the first named straps, this strap being intended to partially encircle the waist of the persons who are to sit between the second named straps.

3. A safety device for holding an occupant in a vehicle seat comprising a pair of straps provided at their opposite ends with rings, said straps being intended to be passed beneath a cushion so that one of the ends thereof will extend beyond the front side of the cushion while their opposite ends will extend upwardly across and beyond the rear side of the cushion, a second pair of straps having buckles on one end for connection to a lap robe support and snap hooks at their opposite ends for connection with the rings on the ends of the first named straps which extend forwardly beyond the bottom of the cushion, other straps carried by the second mentioned straps for passage across the back of the seat, said other straps having snap fasteners on their free ends for connection to the rings on the opposite ends of the first straps, a transverse waist encircling strap also connected to the last named rings, and a second transverse strap connecting the second named straps, the occupant being supposed to sit between the last named pair of straps and have the waist strap partially encircle his or her waist, the second named transverse strap serving to prevent undue forward tilting of the body.

In testimony whereof I have hereunto set my hand.

ETHELDA A. TYLER.