J. A. HEINTZ.

SAFETY SEAT FASTENER.

APPLICATION FILED NOV. 4, 1907.

910,679. Patented Jan. 26. 1909.

Fig. 1.

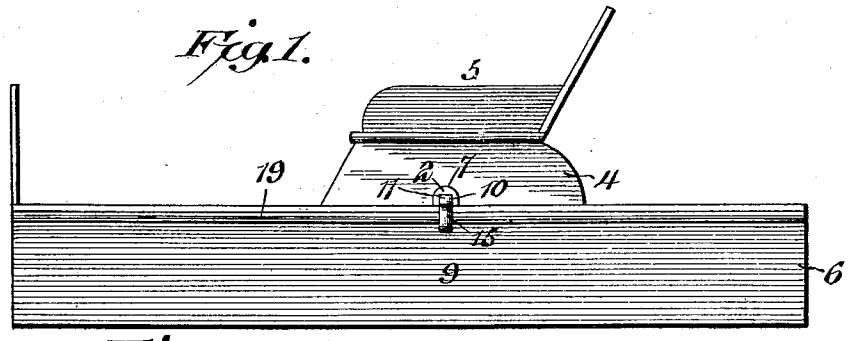


Fig. 2.

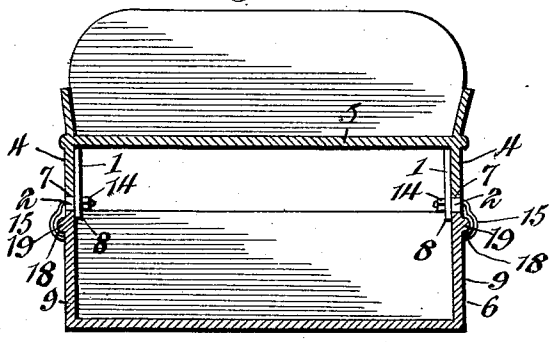


Fig. 3.

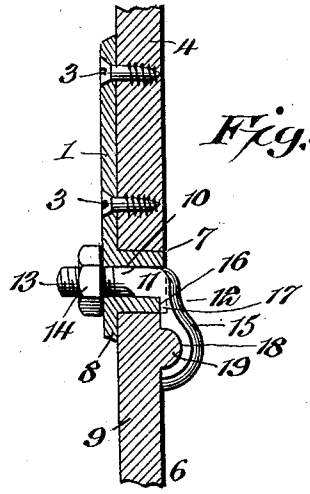


Fig. 4.

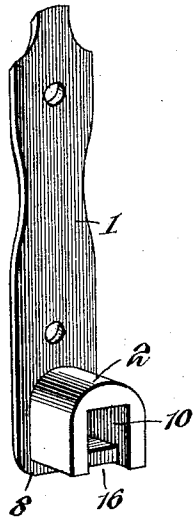
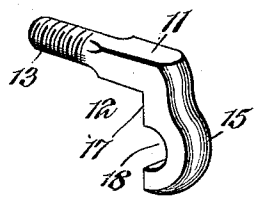


Fig. 5.



Witnesses

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SAFETY SEAT-FASTENER.

No. 910,679. Specification of Letters Patent. Patented Jan. 26, 1909.

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To all whom it may concern:

Be it known that I, JOHN A. HEINTZ, a citizen of the United States, residing at Menomonie, in the county of Dunn and State of Wisconsin, have invented a new and useful Safety Seat-Fastener, of which the following is a specification.

The invention relates to improvements in seat fasteners for sleighs, wagons, buggies, and other vehicles.

The object of the present invention is to improve the construction of seat fasteners, and to provide a simple, inexpensive and efficient device of great strength and durability, adapted to be readily applied to the seat of a sleigh, wagon, buggy, or other vehicle, and capable of adjustably securing the seat to the body or box, and of preventing the seat riser from splitting and the box or body from spreading.

With these and other objects in view, the invention consists in the construction and novel combination of parts hereinafter fully described, illustrated in the accompanying drawing, and pointed out in the claims hereto appended; it being understood that various changes in the form, proportion, size and minor details of construction, within the scope of the claims, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawing:—Figure 1 is a side elevation of a portion of a vehicle, provided with a safety seat fastener constructed in accordance with this invention. Fig. 2 is a transverse sectional view of the same. Fig. 3 is an enlarged detail sectional view. Fig. 4 is a detail perspective view of one member of the device. Fig. 5 is a similar view of the other member of the device.

Like numerals of reference designate corresponding parts in all the figures of the drawing.

1 designates an attachment plate, having an integral sleeve 2 and constituting one member of the device. The attachment plate is secured by screws 3, or other suitable fastening devices to the inner faces of the sides or risers 4 of the seat 5 of the box or body 6 of a sleigh, wagon, buggy, or other vehicle. The integral sleeve 2, which extends outwardly from the attachment plate 1, is arranged in a recess 7 of the lower edge of the contiguous side or riser 4 of the seat, and it has its lower face arranged flush with the lower edge of such seat or riser, and rests upon the upper edge of the adjacent side of the box or body. The lower end 8 of the attachment plate extends below the sleeve and engages the inner face of the side 9 of the box or body, as clearly illustrated in Fig. 3 of the drawing. The side walls of the sleeve are vertical, and the bottom is flat, while the top is exteriorly rounded, as shown, but it may be of any other preferred configuration as may be readily understood.

The sleeve, which is provided with a rectangular opening 10, receives a rectangular portion 11 of a bolt or clamping member 12, which has a threaded portion 13 to receive a nut 14 and which is provided with a depending head 15 for engaging the exterior of the body. The shank or bolt portion of the clamping member is slidable in the sleeve, and the bottom thereof is provided with a notch 16 to receive the inner upper portion 17 of the head, whereby the latter is interlocked with the sleeve. The inner upper portion 17 of the head is straight, and the lower portion is curved or hook-shaped to provide an inner groove or recess 18 for engaging the exterior bead 19 of the side 9 of the box or body. The nut 14, which may be of any desired configuration, is arranged at the inner face of the side of the seat, and it is adapted to draw the two members of the device together, and causes the same to firmly engage and securely clamp the side of the box or body. The side of the box or body is held between the depending flange or portion 8 of the attachment plate and the depending head of the clamping member or hook.

The device adjustably secures the seat to the box or body and firmly holds the same at any desired point. At the same time it prevents the risers or sides of the seat from splitting and the sides of the box or body from spreading.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. A safety seat fastener comprising an attachment plate designed to be secured to the inner face of the side of a seat and provided at its lower end with an integral sleeve arranged to rest upon the upper edge of a box or body and extending outwardly to the outer face of the side of the seat, and a clamping member secured within the sleeve and provided with a head arranged to engage the exterior of the box or body.

2. A safety seat fastener comprising an

attachment plate designed to be secured to the inner face of the side of a seat and having an outwardly extending sleeve at its lower end, said sleeve being arranged to rest upon the upper edge of a box or body and having a notch at the bottom, and a clamping member secured within the sleeve and provided with a depending head fitting in the said notch to interlock it with the sleeve and arranged to engage the exterior of the body or box.

3. A safety seat fastener comprising a plate adapted to be secured to the inner face of the side of a seat and provided at its lower portion with an outwardly extending sleeve arranged to rest upon the upper edge of a box or body, said plate being also extended below the sleeve to form a rigid depending portion for engaging the inner face of the side of the box or body, and a clamping member secured within the sleeve and having an exterior head arranged to engage the outer face of the side of the box or body.

4. A safety seat fastener comprising an attachment plate having a rigid horizontal sleeve provided with a polygonal opening, a clamping member consisting of a bolt having a polygonal portion to fit the opening of the sleeve, which forms a casing for the bolt and holds the same against rotary movement, said bolt being provided at its inner end with a threaded portion and having a head at its outer end arranged to engage the outer face of the side of a box or body, and a nut arranged on the threaded portion of the bolt and engaging the said attachment plate.

5. A seat fastener comprising a clamping member adapted to be secured to a seat and having a sleeve, and a clamping member passing through and supported by the sleeve, which forms a rigid connection between the clamping member and the fixed member, said clamping member being provided at its outer end with a head having a groove to receive the rib or bead of a box or body.

6. A seat fastener comprising a seat member having a sleeve, and a clamping member secured within the sleeve and having an exterior head consisting of a straight upper portion interlocked with the outer end of the sleeve, and a depending curved or hook-shaped portion for engaging the rib or bead of a box or body to interlock the clamping member with the same.

7. A safety seat fastener comprising a fixed seat member having a rigid horizontal sleeve and provided at the inner end thereof with fixed projecting means for engaging the inner face of the side of a box or body, and a clamping member passing through the sleeve and provided at the outer end thereof with an engaging portion interlocked with the sleeve and having means for interlocking it with the side of the box or body at the outer face thereof.

In testimony, that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

JOHN A. HEINTZ.

Witnesses:
C. P. HEINTZ,
J. A. MCCLELLAN.