E. H. KESSELHUTH.

CLAMP FOR DETACHABLE VEHICLE SEATS.

APPLICATION FILED MAY 10, 1912.

1,061,752. Patented May 13, 1913.

Fig. 1.

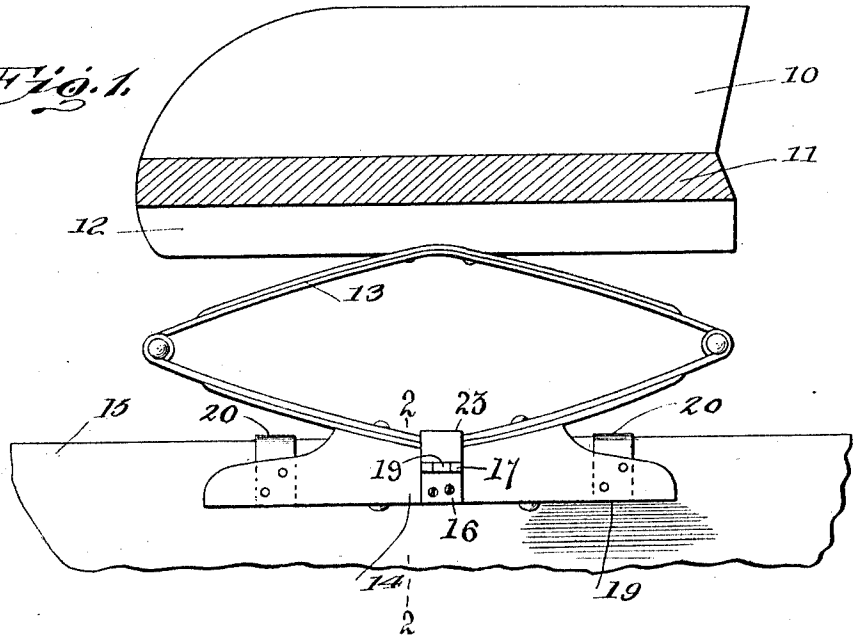


Fig. 2.

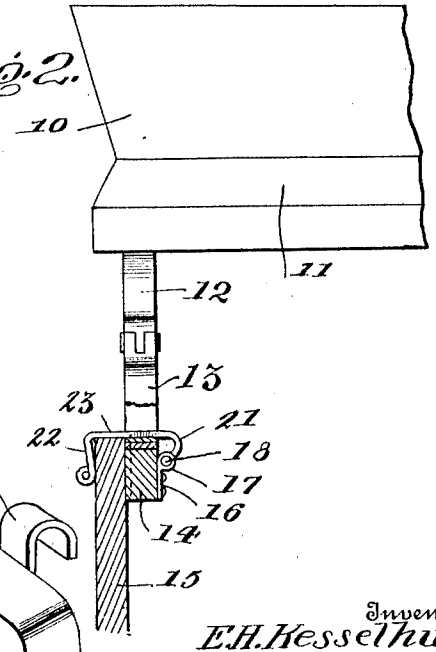
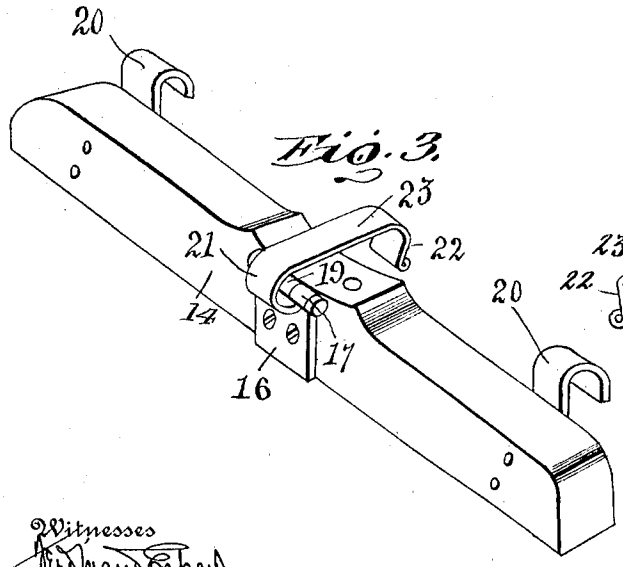


Fig. 3.



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CLAMP FOR DETACHABLE VEHICLE-SEATS.

1,061,752. Specification of Letters Patent. Patented May 13, 1913.

Application filed May 10, 1912. Serial No. 696,531.

To all whom it may concern:

Be it known that I, EDWARD H. KESSELHUTH, citizen of the United States, residing at Long Pine, in the county of Brown and State of Nebraska, have invented certain new and useful Improvements in Clamps for Detachable Vehicle-Seats, of which the following is a specification.

This invention relates to improvements in devices for detachably securing and holding seats upon wagons, and has for one of its objects to provide a simply constructed device whereby the seat is firmly secured in position and effectually prevented from accidental displacement while in use, and readily detachable when desired.

Another object of the invention is to provide a simply constructed device which may be readily applied without material structural change to wagon bodies of various forms and sizes, and which may be adjusted longitudinally of the wagon body.

With these and other objects in view, the invention consists in certain novel features of construction as hereafter shown and described, and then specifically pointed out in the claims, and in the drawings illustrative of the preferred embodiment of the invention: Figure 1 is a side elevation of a portion of a wagon box or body view from the inside and a seat in transverse section with the improvement applied; Fig. 2 is a rear elevation of a portion of a seat and its attachments with the body and the seat spring and clear in section on the line 2—2 of Fig. 1; Fig. 3 is an enlarged perspective view of one of the seat cleats with one of the supporting clips attached thereto.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The improved device may be applied to any of the various forms of wagon seats either with or without springs, but for the purpose of illustration is shown applied to a conventional wagon seat having springs at the ends, but it will be understood that the improved device is not necessarily limited to a seat having springs.

In the drawings, the seat is represented as a whole at 10, and includes a base or bottom 11 having spring-supporting cleats 12 at the ends to which the upper portions of the springs represented conventionally at 13, are secured in the ordinary manner. One of the springs is employed at each end of the seat, and each spring is provided with a lower cleat 14 to which the lower portion of the spring is secured as shown in Fig. 1. In the ordinary construction of seats the lower cleat members 14 are provided with clips 20 which engage over the edges of the wagon box represented conventionally at 15, and in the improved device an additional and novel form of clip is employed which includes a resilient gripping function which firmly couples the lower seat cleats to the body. The improved clip comprises a plate 16 attached to the inner face of each cleat 14 preferably at the center. The plate 16 is provided at its upper edge with a hinge member 17 which supports a pintle 18. Swingingly engaging the pintle 18, is a plate represented as a whole at 23, and curving upwardly as shown at 21, and thence extended over the cleat 14 and the lower portion of the spring 13, and thence extended downwardly as shown at 22. The distance between the curving portion 21 and the depending portion 22, is slightly less than the combined thicknesses of the cleat 14 and the side 15 of the wagon body, so that the clip is expanded when forced over the wagon body and produces a sufficient pressure to hold the cleat and the seat firmly in position. The clips 20 thus serve to firmly grip the seat in position and hold it in place against accidental displacement, while at the same time the clips may be detached by a sufficient force applied thereto.

The improved device is simple in construction, can be inexpensively manufactured and applied, and operates effectually for the purposes described.

Having thus described the invention, what is claimed as new is:

1. A clip for securing seats to vehicles comprising a base member adapted to be attached to a seat, and a plate swingingly coupled at one end to the base member and including a resilient portion and a depending portion, the depending portion adapted to engage a wagon body and held in position thereon by the reaction of the resilient portion.

2. The combination with a seat including terminal cleats having means adapted to support the same upon a wagon body, of a clip comprising a base connected to the cleat, and a plate swingingly coupled at one end to the base and including a resilient portion and a depending portion, the depending portion of the clip being adapted to engage over a wagon body and held in position thereon by the reaction of the resilient portion.

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

EDWARD H. KESSELHUTH. [L. S.]

Witnesses:
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."