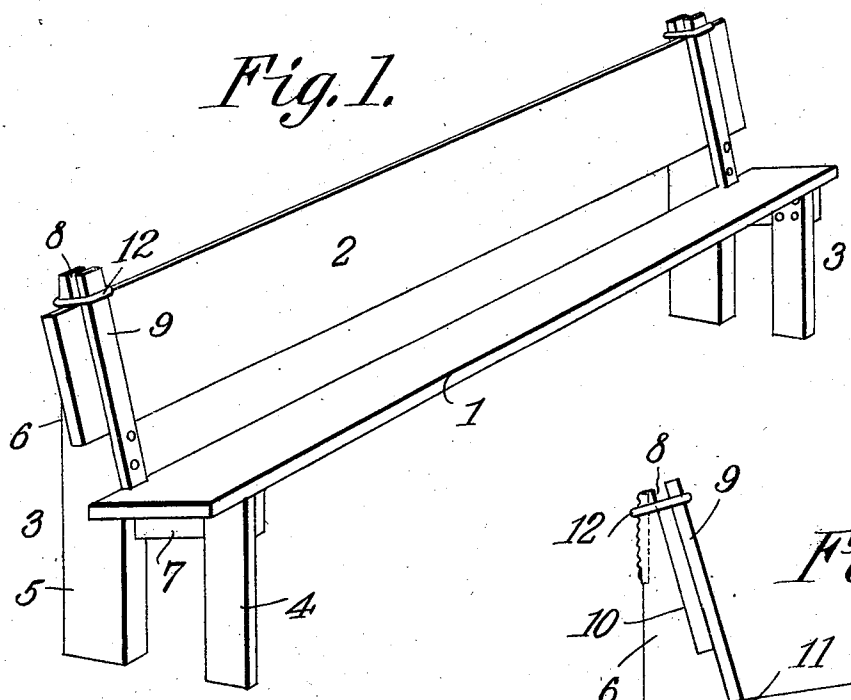
No. 861,454. PATENTED JULY 30, 1907.

T. L. GARRISON.

KNOCKDOWN SEAT.

APPLICATION FILED OCT. 18, 1906.

Fig. 1.



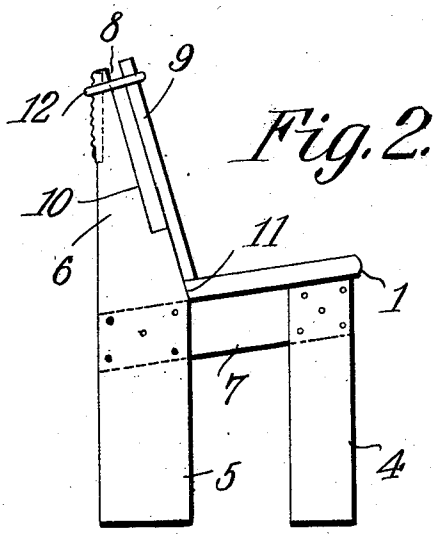
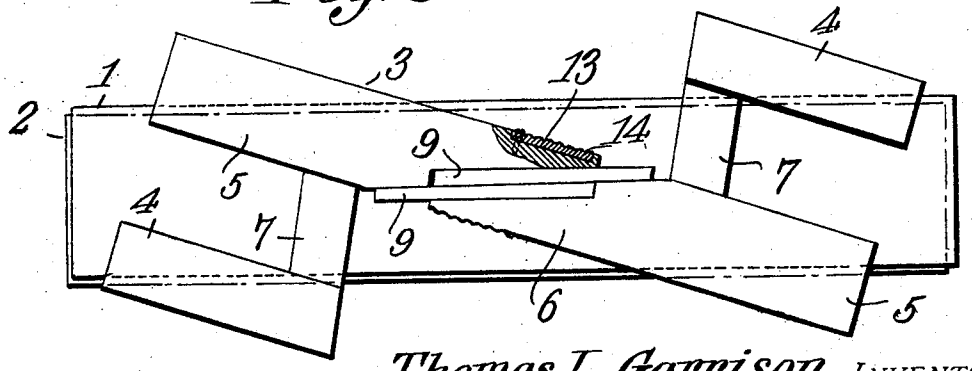


Fig. 2.

Fig. 3.



WITNESSES:

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THOMAS LEE GARRISON, OF COOPER, TEXAS.

KNOCKDOWN SEAT.

No. 861,454. Specification of Letters Patent. Patented July 30, 1907.

Application filed October 18, 1906. Serial No. 339,562.

To all whom it may concern:

Be it known that I, THOMAS LEE GARRISON, a citizen of the United States, residing at Cooper, in the county of Delta and State of Texas, have invented a new and useful Knockdown Seat, of which the following is a specification.

This invention relates to a knock-down seat or bench intended more particularly for temporary uses, such as tent or camp meetings, and other out of door purposes, so that when the benches are no longer required, they can be taken apart and packed compactly and stored away in a small space.

The invention has for one of its objects to provide a seat of this character which is comparatively inexpensive and simple to construct, easy to assemble or knock down without the use of nails, screws, or similar fastenings, and is stable, safe and comfortable.

A further object of the invention is to provide a simple form of end frame to which the back of the seat is firmly secured, and on which the seat portion rests.

Another object is the provision of a clamping device or clasp which is used for the purpose of clamping the end frames and back of the seat together in a simple, ready and convenient manner, so that little time and trouble is required to set up the seat or take it apart.

With these objects in view, and others, as will appear as the nature of the invention is better understood, the invention comprises the various novel features of construction and arrangement of parts, which will be more fully described hereinafter and set forth with particularity in the claims appended hereto.

In the accompanying drawing, which illustrates one of the embodiments of the invention, Figure 1 is a perspective view of the seat. Fig. 2 is an end view thereof. Fig. 3 is a plan view of the parts of the seat disassembled and packed together.

Corresponding parts in the several figures are indicated throughout by similar characters of reference.

Referring to the drawing, 1 designates the seat board of the bench, 2 the back board or rest, and 3 the end frame on which the seat and back boards are supported. The boards 1 and 2 are of suitable proportions to afford sufficient rigidity without being too heavy. When the seats are of comparatively great length, it is preferable to employ one or more frames at intermediate points, so as to prevent sagging of the seat and back boards.

The frames 3 are of the same construction so that they can be readily interchangeable and used in any position, and in connection with any seat or back board. This is a matter of convenience, since the parts of one seat do not have to be kept together when the seat is knocked down, but the frames 3 of all the seats pack promiscuously together, as do also the back and seat boards. Each frame 3 comprises a front leg 4, a back leg 5 having an upward extension 6, and a cross piece 7 to which the legs are permanently and securely fastened. The cross pieces 7 of the several frames serve to receive the seat board 1, while the extension 6 receives the back board 2. The extension 6 is provided with an inclined pocket 8 that is open at its top so that the back board can be slid into the same. The front wall 9 of the pocket 8 is so proportioned as to have a certain resiliency, while the rear wall 10 is rigid, so that the front wall 9 can be drawn toward the rear wall for the purpose of clamping the back board in place.

The slot or pocket 8 is inclined backwardly, so as to render the seat more comfortable for the back of the occupant. By preference, the front wall 9 takes the form of a strip that is securely fastened at its lower end on the front side of the extension 6. A notch is formed between the lower end of the strip 9 and the adjacent cross piece 7, which notch is so proportioned as to permit the rear edge of the seat board 1 to be snugly fitted into the same, as shown clearly in Fig. 2. The walls of the pocket 8 are clamped firmly in contact with the back board throughout their entire area, so that a very firm grip on the said board is obtained. By means of this grip, lateral movement of the seat as a whole is effectively prevented. The engagement of the seat board in the notches 11 assists materially in preventing any lateral play of the parts. The width of the pocket 8 of each frame 3 is slightly greater than the thickness of the strip 9, so that two frames 3 can be clasped together by means of the strip 9 of one being inserted into the pocket 8 of the other, as shown in Fig. 3. To do this, the strips 9 of each pair yield slightly to permit the pockets to open for the reception of the strips. In other words, the strips 9 fit with sufficient tightness the pockets 8 that each pair of frames 3 may be fastened together for the purpose of storing them.

Any suitable means may be employed for drawing the strips 9, so as to clamp the back-board 2 to the extension 6. It is preferable to provide a fastening device which can be easily and quickly secured in place or unfastened. One simple form of fastening comprises an endless ring shaped to fit over the upper ends of the extension 6 and strip 9. The rear surface of the extension 6 is vertical, while the strip 9 is inclined rearwardly; thus the said extension and strip form a wedge expanding in a downward direction. Therefore, by assembling the ring 12 over the ends of the extension 6 and strip 9, and forcing the ring downwardly, the said ring will exert a drawing effect upon the strip 9 and cause the back-board to be firmly clamped in the pocket 8. To prevent the ring from slipping, the back surface of the extension 6 is provided with a roughened or serrated portion 13 with the serrations of which the ring engages. When the frames 3 are made of wood, as indicated in the present instance, the serrations 13 are formed on a metal plate 14 set in

and secured to the rear side of the extension 6. With a fastening device of this character, I have found that a bench can be set up and the fastening applied with great despatch, so that a large number of benches can be set up for use in a comparatively little time.

I have described the principle of the invention, together with the apparatus which I now consider to be the best embodiment thereof, but I desire to have it understood that the apparatus shown is merely illustrative, and that various changes may be made, when desired, as are within the scope of the invention.

What is claimed is:—

1. The combination of two approximately similar seat and back boards, and supporting frames to which both boards are detachably connected, each frame comprising front and back legs, a cross piece connecting the legs and arranged to receive the seat board, an upwardly extending member on the rear leg having a recess opening forwardly to receive the rear edge of the seat board and having a pocket of greater depth than the width of the back board for receiving the latter, and a fastening device engaging the upper end of the said member for clamping the back-board in the pocket thereof.

2. A seat comprising seat and back-boards, supporting frames for the boards, each frame being provided with an upward extension, a spring strip on the extension forming therewith a recess for receiving the seat-board and a pocket for receiving the back-board, and means operating on the strip for clamping the back-board to the extension.

3. A seat comprising seat and back boards, supporting frames for the boards, each frame having an upward extension, a strip on the extension forming therewith a recess for receiving the seat-board and a rearwardly inclined pocket for receiving the back-board, a ring engaging the ends of the extension and strip for drawing the latter toward the extension to clamp the back-board, and a device on the extension for holding the ring in place.

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

THOMAS LEE GARRISON.

Witnesses:

J. A. DARWIN,

JOEL BLACKWELL.