

April 5, 1938.

C. E. YOST ET AL

2,113,103

SEAT STRUCTURE

Filed May 26, 1937

2 Sheets-Sheet 1

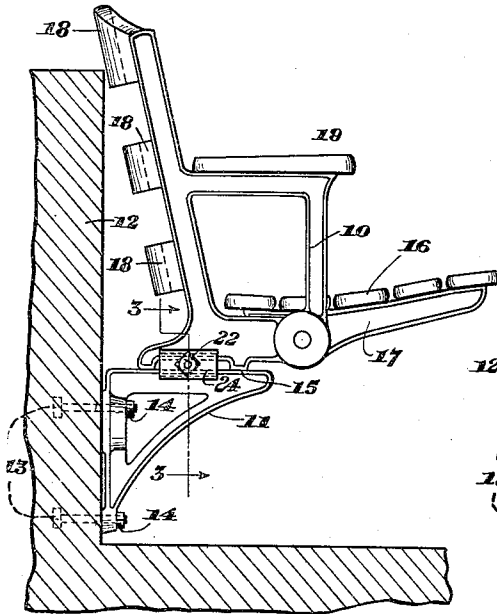


Fig. 1

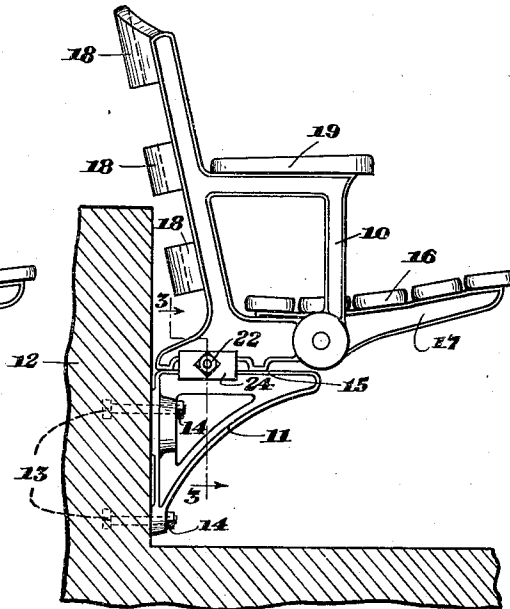


Fig. 2

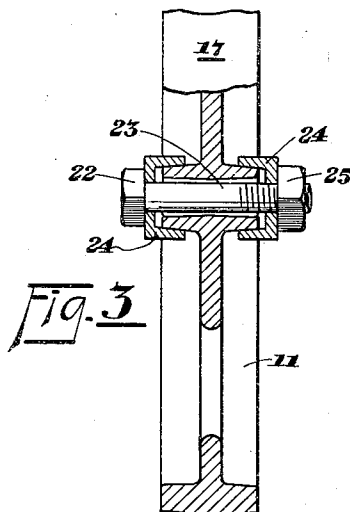


Fig. 3

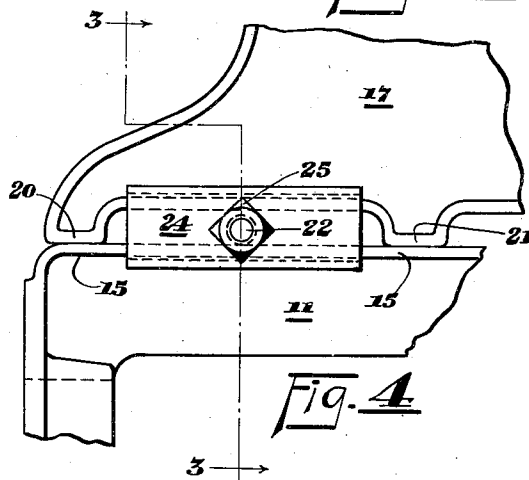


Fig. 4

Witness:
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2 Sheets-Sheet 2

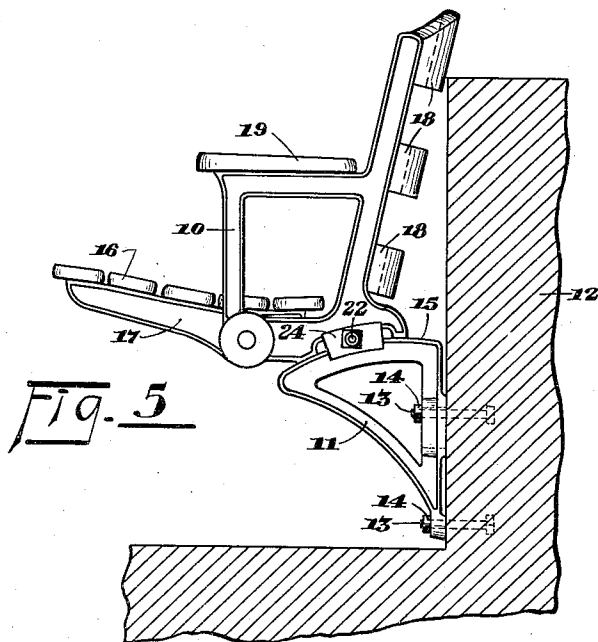


Fig. 5

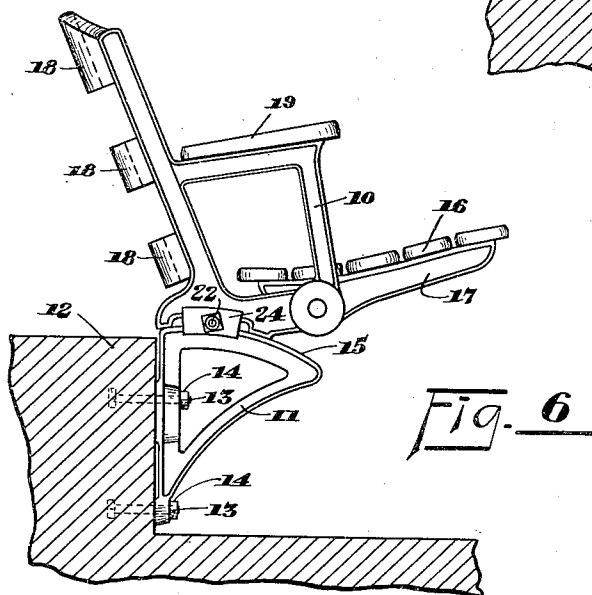


Fig. 6

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UNITED STATES PATENT OFFICE

2,113,103

SEAT STRUCTURE

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Application May 26, 1937, Serial No. 144,764

2 Claims. (Cl. 155—78)

The present invention relates to seat structures and more particularly to chairs which are especially adapted for ready installation in baseball parks, grandstands and other outdoor sports arenas.

The object of the invention is to provide an improved seat of the general character shown and described in application filed July 10, 1936, Serial No. 89,865, by Erving B. Morgan and James M. Ver Meulen, and by them assigned to our assignee, said improvement residing in the provision of greater adjustability of the seat with respect to the riser upon which the same is mounted.

An illustrative embodiment of the invention is shown in the accompanying drawings, wherein:

Figure 1 is a side elevational view of the seat structure mounted upon a vertical riser;

Figure 2 is a view similar to Figure 1 showing the seat supporting brackets mounted upon a lower riser than that shown in Figure 1, the seat being at a different angular adjusted position;

Figure 3 is an enlarged sectional view of the chair supporting bracket on lines 3—3 of Figures 1, 2 and 3;

Figure 4 is an enlarged fragmentary side elevational view of the chair supporting bracket shown in section in Figure 3;

Figure 5 is a left hand side elevational view of a modified form of the structure mounted upon a vertical riser; and

Figure 6 is a right hand side elevational view of the modified structure shown in Figure 5, the seat being shown in a different angular adjusted position when installed upon a lower riser than that shown in Figure 5.

Referring then to the drawings in which like parts of the structure shown are designated by the same numerals in the several views, a chair adapted for installation in baseball parks, grandstands and the like and designated generally 10 is mounted as hereinafter more fully described upon a pair of chair supporting brackets 11, which are secured to a riser 12 in horizontally spaced parallel relation as by expansion bolts 13 embedded in the riser, passing through apertures in the brackets and having nuts 14 on their outer ends.

The brackets 11 have flattened upper track portions 15 projecting laterally from the riser 12.

The chair 10 has a folding seat 16 pivotally connected to oppositely disposed parallel side frames 17, here shown as of cast metal, between which are secured curved rails 18 forming the chair back and upon whose side frames are secured arms 19.

The flattened lower edges of the side frames 17 are each cast so as to form spaced depending runner portions 20 and 21 (Figure 4) to accommodate clamping bolts 22. These clamping bolts pass through apertures 23 (Figure 3) in the mid-

dle portions of a pair of oppositely disposed U-shaped clamping members 24, the top and bottom flanges of each of which respectively embrace the flat lower edges of the side frames 17 and the flat tracks 15 of the brackets 11. Nuts 25 threaded on the outer ends of bolts 22 are tightened to secure the chair to the brackets in adjusted position forwardly of the riser.

Figure 1 shows the structure installed on a relatively high riser permitting the chair to be clamped to the supporting brackets in a forwardly adjusted position to afford clearance between the riser and the top rail 18 of the chair back. In Figure 2 the riser is considerably lower permitting the chair to be clamped to its supporting brackets rearwardly of the position of the chair shown in Figure 1 and thus affording greater clearance in front of the chair.

In the modified structure shown in Figures 5 and 6, the tracks 15 of brackets 11 are arcuate in form and extend forwardly-downwardly from the riser 12 so that as the chair is moved forwardly the inclined back approaches the perpendicular. This installation is preferable where the treads are relatively short since it permits of clearance between the chair back and the riser with less forward movement of the chair.

It will thus be seen that the chair herein shown and described is adjustable to varying riser heights and that it is particularly well adapted for ready installation in baseball parks, grandstands and the like.

While but several specific embodiments of the invention have been herein shown and described, it will be understood that certain details of the constructions shown may be altered or omitted without departing from the spirit of this invention as the same is defined by the following claims.

We claim:

1. In a structure of the class described, a pair of chair supporting brackets secured to a vertical riser in horizontally spaced parallel relation, each of said brackets having a track portion projecting laterally from said riser, a chair having runners slidably mounted on said tracks, and clamps for securing said chair to said brackets in adjusted position with respect to said riser.

2. In a structure of the class described, a pair of chair supporting brackets secured to a vertical riser in horizontally spaced parallel relation, each of said brackets having an arcuate track portion projecting outwardly-downwardly from said riser, a chair having runners slidably mounted on said tracks, and clamps for securing said chair to said brackets in adjusted position with respect to said riser.

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ERVING B. MORGAN.