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B. J. FAGAN

THEATER CHAIR

Filed May 14, 1926

FIG. 1.

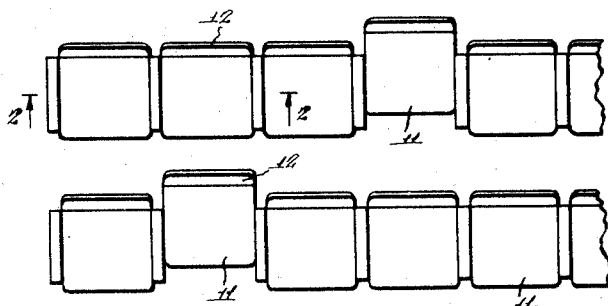


FIG. 2.

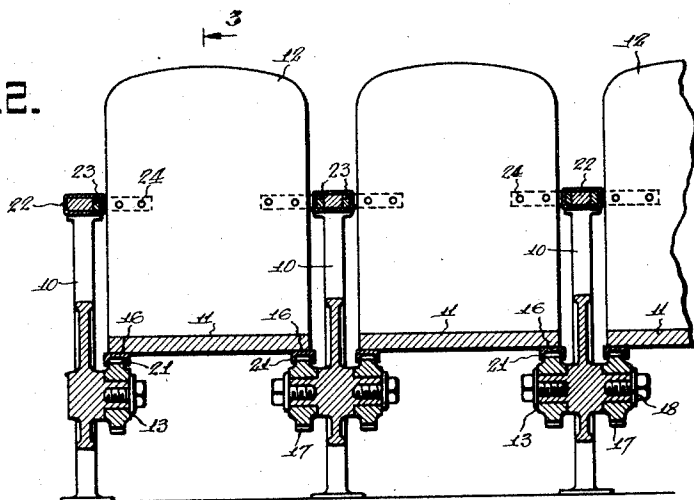
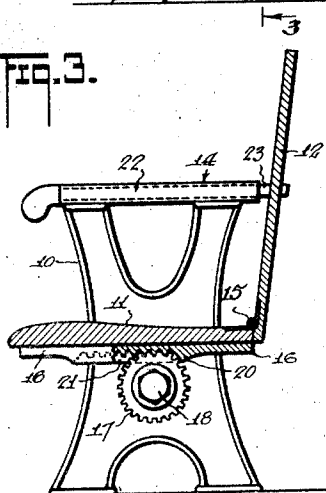


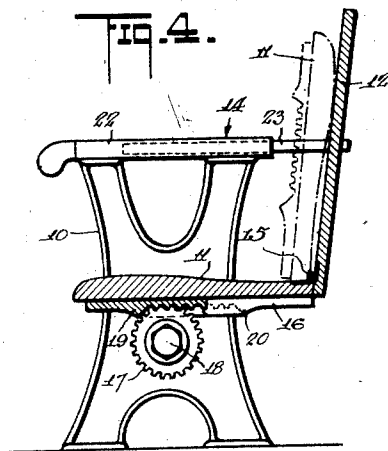
FIG. 3.



WITNESSES

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FIG. 4.



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THEATER CHAIR.

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This invention relates to chairs, and has especial reference to seats and chairs such as are used in public places such as theaters, auditoriums and halls.

It is known that in public places such as those mentioned where seats or chairs are arranged side by side row after row, it is the aim to utilize all possible space for the seats or chairs, and that under the arrangement of the seats or chairs and because of their construction they are inconveniently accessible.

It is therefore the principal object of the present invention to provide a novel chair or seat construction which makes possible the assemblage of the seats or chairs in the usual manner, in which all possible space is utilized, and in virtue of which the seats or chairs will be conveniently accessible.

Another object of the present invention is to provide a chair construction in which two seats are supported indirectly from three fixed seat supports by a means which allows the seats to be moved forwardly and rearwardly, to the end that an assemblage of rows of seats may be had, and so that persons seeking unoccupied seats or persons leaving seats which they occupied may do so without causing inconvenience to persons already seated by causing them to rise.

Another object of the invention is to provide a chair construction in which the seat can be moved while in a normal position forwardly and rearwardly, and which can be moved from the normal position so that cleaning operations may be readily carried out.

The nature of the invention and its distinguishing features and advantages will appear when the following specification is read in connection with the accompanying drawing, in which—

Figure 1 is a plan view of an assemblage of chairs constructed in accordance with the present invention, there being shown a section of two rows of chairs, and one of the seats in each row being moved from a normal position.

Fig. 2 is a sectional view taken on the line 2—2 of Fig. 1.

Fig. 3 is a vertical sectional view through one of the chairs, the section being taken on the line 3—3 of Fig. 2.

Fig. 4 is a view similar to Fig. 3 show-

ing the seat in its rearward position, and the seat being shown elevated from a normal position in dot and dash lines.

Referring now to Fig. 1 of the drawing it will be apparent that, sections of two rows of chairs are shown to give an idea of the manner in which the seat or chair construction of the present invention will be practiced or put into use.

Referring now to Figs. 2, 3 and 4 it will be apparent that in the illustrated embodiment of the invention use is made of a plurality of seat supports 10, seats 11 each having a back 12 which are supported indirectly by the seat supports 10 by means 13 which directly supports the seats 11 and permits them to be moved forward and rearwardly, and means 14 which supplements the means 13 in that it prevents any unintentional tilting of the seats.

The seat supports 10 are similar in construction and may be of any preferred design and each is secured to the floor thus making each seat support stationary. The seat supports 10 are arranged side by side spaced equidistantly in rows. A seat 11 is arranged between a pair of the seat supports 10. Each seat 11 may be of any preferred construction. The back 12 of each seat 11 may be of any preferred construction and its seat 11 is hingedly connected thereto as at 15 so that the seat may be moved from a normal position to a substantially vertical position as shown in dot and dash lines in Fig. 4. The means 13 upon which each seat 11 is directly supported, and in virtue of which the seat is movable forwardly and rearwardly in the present instance consists of racks 16 rigidly secured to the under side of the seat 11, and toothed wheels 17 which coact respectively with the racks 16, each toothed wheel 17 being rotatably mounted on its related seat support 10 as at 18. Each rack 16 has a portion 19 which limits the rearward movement of the seat, and a portion 20 which limits the forward movement of the seat, while the spaced flange portions 21 prevent lateral displacement of the seat. The means 14 which prevents the tilting of the back 12 of each seat and the seat itself, in the present instance consists of a part 22 of tubular construction which is fixedly secured to the top of each of the seat supports 10,

and a part 23 which is rigidly secured as at 24 to the back 12 of the seat and which is slidably received by its related part 22. It is to be noted that each part 22 constitutes an arm rest.

From the foregoing it will be apparent that each of the seats may be moved forwardly and rearwardly by a person at will, that the forward and rearward movements of the seats are limited to prevent displacement of the seats, that the seats are prevented from having unintentional movement from a normal position, and that when desired the seats may be moved to a substantially vertical position with respect to the backs thereof. It will therefore be obvious that because of the novel construction and functions of the parts and assemblage of seats in the usual manner may be obtained with the unusual convenience to persons who are already seated and those who seek access to unoccupied seats as the result of the possible forward and rearward movement of the seats.

It is to be understood that the invention is not restricted to the precise arrangement of parts shown and described, as details of construction may be modified and rearranged without departing from the spirit of the invention, the scope of which is limited only by the terms of the appended claims:

I claim:

1. A theater chair comprising fixed seat supports arranged side by side in spaced relation, a seat arranged between the seat supports, means fixed on the seat which coacts with means on the seat supports for supporting the seat and for permitting the seat to be moved relatively to the seat supports forwardly and rearwardly, a seat back, the seat being hingedly connected to the seat back, and rigid means on the seat back which coacts with means on the seat supports allowing the seat back to move with

the seat and preventing the back from moving relatively to the seat.

2. A theater chair comprising fixed seat supports arranged side by side in spaced relation, a seat arranged between the seat supports, means on the seat which coacts with means on the seat supports for supporting the seat and for permitting the seat to be moved relatively to the seat supports forwardly and rearwardly, a seat back, the seat being hingedly connected to the seat back, and means rigidly attached to the seat back which coacts with means rigidly attached to the seat supports allowing the seat back to move with the seat and preventing the back from moving relatively to the seat.

3. A theater chair comprising fixed seat supports arranged side by side in spaced relation, a seat having a back arranged between the seat supports, said seat hinged to said back, racks on the under side of the seat which coact respectively with gear wheels on the seat supports for supporting the seat and for permitting the seat to be moved relatively to the seat supports forwardly and rearwardly, and means preventing the relative movement of the back with respect to the seat.

4. A theater chair comprising fixed seat supports arranged side by side in spaced relation, a seat having a back arranged between the seat supports, said seat hinged to said back, racks on the under side of the seat which coact respectively with gear wheels on the seat supports for supporting the seat and for permitting the seat to be moved relatively to the seat supports forwardly and rearwardly, means preventing the relative movement of the back with respect to the seat, and means limiting the forward and rearward movements of the seat.

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