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R. BURNS ET AL

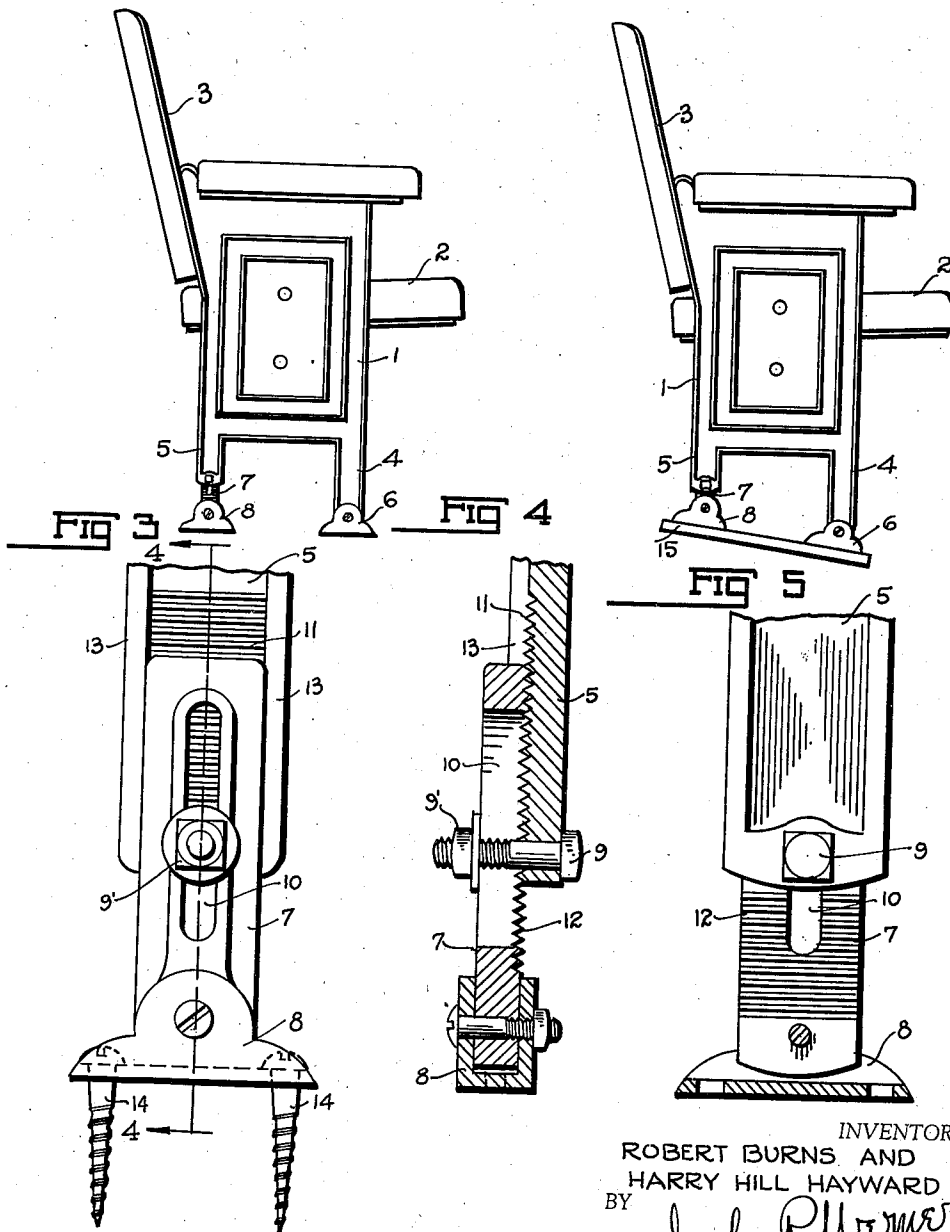
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CHAIR

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FIG 1

FIG 2



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## UNITED STATES PATENT OFFICE

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## CHAIR

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3 Claims. (Cl. 155—88)

Our invention relates to improvements in chairs for theatres, halls and the like in which the chair has adjustable legs for changing the length thereof.

5 The objects of our invention are; first, to provide a chair which may be quickly and conveniently adapted to any floor, whether level or sloping and yet maintain a normal seating position; second, to provide a leg fastening construction, which, in case of breakage, will not necessitate replacement of the entire chair or leg portion but only the anchor lug which holds the chair to the floor; third, to provide an improved theatre chair which may be taken up 10 from one floor and remounted on another floor of a different pitch and adjusted to accommodate the new pitch of floor, and fourth, to provide a theatre chair which can be easily fastened to the floor, it being necessary to mount only the lugs first and then bolt the legs of the chair to the lugs in a convenient manner.

15 These objects, together with the construction and advantages of our invention will be understood by reference to the following description in connection with the accompanying drawing in which:

Fig. 1 is a side elevational view of a chair constructed in accordance with our invention and mounted on a level floor.

30 Fig. 2 is a side elevational view of the chair mounted on a sleeper or stringer which in turn is fastened to a sloping floor.

Fig. 3 is an enlarged detail elevational view showing our improvements in the leg, adjustment and floor anchoring means.

35 Fig. 4 is a cross sectional view on the line 4—4 of Fig. 3 and

Fig. 5 is an elevational view of the opposite side of the leg and anchor shown in Fig. 3.

40 Referring now to the drawing by numerals of reference, 1 designates side frames of a theatre chair, supporting seat 2 and back 3 in the usual manner. Frames 1 have depending legs 4 and 5, leg 4 being pivotally secured to anchor lug 6 and leg 5 being adjustably secured to extension 7 in pivotal engagement with anchor lug 8. Adjustable connection between leg 5 and extension 7 is provided by means of bolt 9 and nut 9', bolt 9 passing through leg 5 and through longitudinal slot 10 in extension 7, both the lower end of leg 5 and the extension 7 having corresponding serrations or teeth 11 and 12 to assist the bolt 9 in keeping the leg 5 and extension 7 in fixed relative position, the ribs 13 on leg 5 further assisting 55 in keeping extension 7 in proper alignment.

Anchor lugs 6 and 8 are substantially U-shaped and suitable means are provided for fastening the leg 5 and extension 7 thereto. The anchor lugs may be fastened directly to the floor by suitable bolts or screws 14 or they may be fastened 5 to elongated strips, called stringers or sleepers 15 which in turn may be secured to the floor. In the latter method any number of chairs may be fastened to a stringer and the entire assembly taken to the desired location and secured to the floor in a convenient manner, the adjustment of legs 5 to fit the floor pitch being done either before or after assembly to the stringer or after the stringers are secured to the floor.

As far as we are aware all chairs of this nature 15 have anchor lugs cast or otherwise formed integral with the legs and side frames and if one of these lugs are broken it is necessary to replace the entire side frame at considerable expense and loss of time. With our invention, however, a few spare anchor lugs may be kept on hand and should a lug be damaged it can be replaced in a few minutes at a negligible cost. It is a fact, however, that our construction as illustrated and described practically eliminates any possibility of breakage since the pivoted connection of the legs 25 to the floor provides a more or less flexible joint.

From the foregoing it will be clearly apparent that we have provided a theatre chair whose manifold advantages are stated in the objects of 30 the invention, that is, namely: a theatre chair universally adaptable to floors of substantially any pitch; an anchoring means for the chair which will minimize the danger of breakage of legs and subsequent high cost of replacement; 35 the anchoring means also lending itself to ease of installation and lastly, a theatre chair which may be quickly and conveniently moved from one floor to another of different pitch and mounted and adjusted to fit the latter floor as though originally made for that location.

It is understood that slight changes in form, proportion, and minor details of construction may be resorted to without departing from the spirit of our invention.

45 What we claim as new and desire to secure by Letters Patent is:

1. In a chair of the class described including a plurality of supporting legs, each of a pair of said legs being provided with an adjustable extension, 50 said extension having a longitudinal slot therein, means for locking the extension and its respective leg together in adjusted position, each of said extensions and each of the remaining legs being provided with an anchor lug pivotally 55

mounted upon the end thereof for securing the extensions and the legs upon a suitable base.

2. The structure as specified in claim 1, said legs having edge flanges by which the extensions are guided.

5 3. In a chair of the class described including a plurality of supporting legs, anchoring members positioned below the legs, one pair of said legs being pivotally connected to their corresponding

anchoring members, extension members between the other pair of legs and their corresponding anchoring members, said extensions being pivotally secured at one end to said anchoring members and adjustably carried at the other end by said legs. 5

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