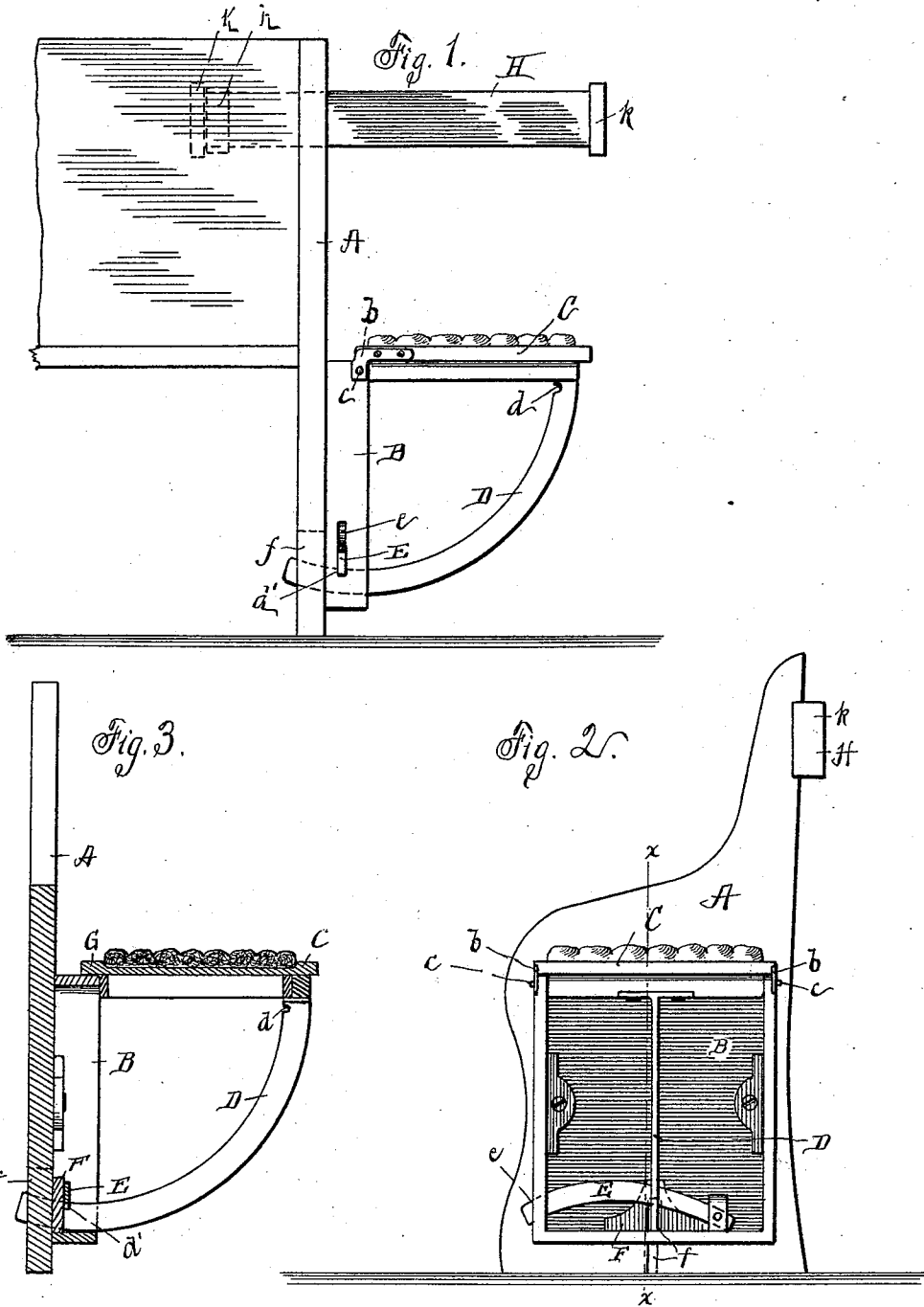


(No Model.)

D. B. McHENRY.
PANEL CHAIR.

No. 527,709

Patented Oct. 16, 1894.



WITNESSES

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UNITED STATES PATENT OFFICE.

DAVID B. MCHENRY, OF GRENADA, MISSISSIPPI.

PANEL-CHAIR.

SPECIFICATION forming part of Letters Patent No. 527,709, dated October 16, 1894.

Application filed December 30, 1893. Serial No. 495,209. (No model.)

To all whom it may concern:

Be it known that I, DAVID B. MCHENRY, a citizen of the United States, and a resident of Grenada, in the county of Grenada and State of Mississippi, have invented certain new and useful Improvements in Panel-Chairs; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is an elevation of the invention showing the seat extended and Fig. 2 is an end view of the invention applied, with the seat extended. Fig. 3 is a vertical section on the line $x-x$ — Fig. 2.

This invention has relation to certain new and useful improvements in chairs designed to be attached to the ends of church pews, benches, &c., and has for its object the provision of simple and convenient means for increasing the seating capacity of a public room or building without incumbering the aisles with chairs.

With this object in view, the invention consists in the novel construction and combination of parts, all as hereinafter described and pointed out in the appended claims.

Referring to the accompanying drawings, illustrating the invention and its application, the letter A designates the end portion of a church pew, to which is firmly attached an open frame B. Said frame may be of the rectangular form shown or it may be given other forms according to the particular style of chair bottom which is employed in connection therewith.

C designates the chair bottom, or seat, the general construction of which may be of various well-known and suitable forms. The inner edge portion of said bottom is hinged to the upper portion of the frame B at $b\ b$. In the drawings the hinges are shown as consisting of two L-shaped plates secured to the chair bottom, their shorter arms having perforations therein which loosely engage studs or journals $c\ c$ on the frame B. Other well-known forms of hinges may however be employed.

Attached to the under side of the chair bottom at its forward portion is a brace arm D, said arm having the shape of a segment of a circle whose center is coincident with the axis of the hinges b, b . In the inner edge of said arm D are two small notches $d\ d'$ which are designed to be engaged with a lock arm E pivoted in the lower portion of the frame B, and working transversely of the arm D. The free end of the arm E projects through the casing at e .

When the chair is not in use it is folded down and partially within the frame B, the arm D running through a guide F, and through an opening f in the pew end, underneath the seat of the pew. The engagement of the arm E with the notch d locks the chair in this position. When, however, it is desired to use the chair, the brace arm D is released and the chair is turned upward into horizontal position at right angles to the pew end, the lock arm E dropping into engagement with the notch d' and supporting the seat firmly in its extended position.

The inner portion of the seat when extended is supported and the hinges relieved of weight by the flange G which rests upon the upper portion of the frame B.

H designates a back-rest for the chair, said rest consisting of a horizontally sliding bar supported in guides h on the back and end of the pew. When in use the bar is extended as shown in Fig. 1, being in the proper position to form a support for the back. Stops k on said bar limit its movement.

The entire device may be given a neat and ornamental appearance, and may be applied to benches and to other articles or objects to which seats are adapted, as well as to pews.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The herein described seat attachment for benches and pews, comprising an open frame B, applied to the end of said bench or pew, a seat hinged to the upper portion of said frame and arranged to fold downwardly into said frame, a flange G at the inner portion of said seat and adapted to rest upon the upper portion of said frame when the seat is extended and thereby take the weight off the hinges, the segment shaped brace arm attached to the

forward portion of said seat, a guide F in the
frame B for said arm, a corresponding open-
ing in the bench or pew end, and means for
locking said arm when the seat is extended,
5 substantially as specified.

2. The combination with a bench or pew, of
the open frame B applied to the end thereof,
a seat hinged to the upper portion of said
frame and adapted to fold downwardly into
10 said frame, a flange G at the inner portion of
said seat adapted to rest upon the upper por-
tion of said frame when the seat is extended
and thereby take the weight off the hinges,

the segment shaped brace arm attached to
the forward portion of said seat, a guide F in 15
the frame B for said arm, a corresponding
opening f in the pew end, means for locking
said arm when the chair is extended, and a
back rest slidable in guides on the back of
the pew or bench, substantially as specified. 20

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

DAVID B. MCHENRY.

Witnesses:

W. B. BARNES,
W. W. GARNER.