W. HILLIER.

FOLDING CHAIR.

APPLICATION FILED MAR. 9, 1915.

1,218,940. Patented Mar. 13, 1917.

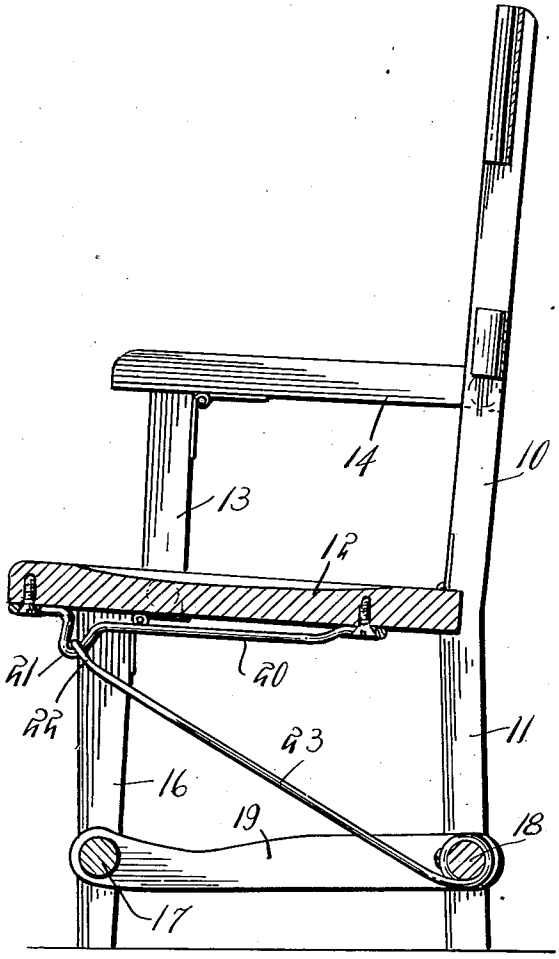


FIG. 1.

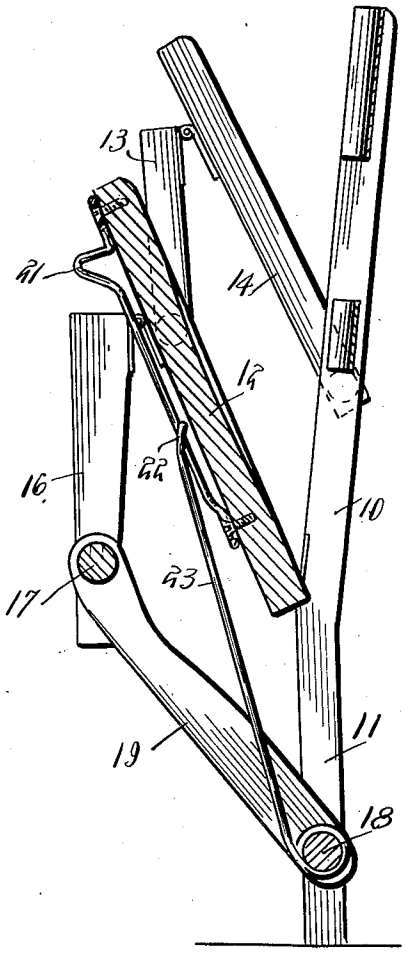


FIG. 2.

Witnesses

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WILLIAM HILLIER, OF WALHALLA, NORTH DAKOTA.

FOLDING CHAIR.

1,218,940. Specification of Letters Patent. Patented Mar. 13, 1917.

Application filed March 9, 1915. Serial No. 13,184.

To all whom it may concern:

Be it known that I, WILLIAM HILLIER, a citizen of the United States, residing at Walhalla, in the county of Pembina, State of North Dakota, have invented certain new and useful Improvements in Folding Chairs; and I do hereby 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.

This invention relates to improvements in chairs and particularly to folding chairs, for use in halls or theaters.

The principal object of the invention is to provide a simple and novel means for automatically locking the chair in open position.

Other objects and advantages will be apparent from the following description when taken in connection with the accompanying drawing.

In the drawing:

Figure 1 is a vertical section through a chair made in accordance with my invention, the same being in normal open position, and

Fig. 2 is a similar section showing the chair partly folded.

Referring particularly to the accompanying drawing, 10 represents the back of the chair which includes the side posts 11 extending downwardly and forming the back legs. Hinged to the back posts is a seat 12, the sides of which are pivotally connected to the vertical arm supports 13 carrying the hinged arm rests 14 which are connected at their rear ends to the side posts of the back. The front legs 16 are hinged to the bottom side of the seat and carry a transverse connecting rung 17. Connecting the back legs is a rigidly secured rung 18 and extending from the front rung to the back rung are the two connecting rods or braces 19. Secured to the bottom of the seat and extending forwardly and backwardly thereof is a rod 20, the same being secured at its ends and spaced a slight distance from the bottom. The forward portion of the rod 20 has a depression or kink 21 in which is engaged the eye 22 of one end of a spring wire 23. The other end of the wire is coiled around the rear rung and secured to the rung.

The normal tendency of the spring is to force the eye downwardly against the rod 20 and when the chair is in normal open position this tendency of the spring will force the eye down into the kink or depression, thus holding the chair against being accidentally folded up.

To fold the chair it is necessary to first raise the eye out of the depression when the bottom or seat can be lifted up and moved against the back of the chair. In this movement the arms and their supports swing on their pivots and hinges, as well as the front legs so that all of the parts are properly folded against the back of the chair. When the seat is moved down into horizontal position the eye of the spring snaps into the depression and holds the same against being moved upward.

It will be noted that any attempt to raise the seat when it is locked pulls on the wire spring, thus greatly increasing the holding power thereof.

What is claimed is:

A folding chair including a back having rear legs connected by a fixed rung, a seat connected to the legs and movable toward and away from the back, a rod secured to the lower side of the seat and having a depression in its forward end, and a spring wire coiled around the rung with one end secured thereto, the other end of the wire being provided with an eye slidably engaged with the rod, the resiliency of the wire urging the free edge of the seat away from the back when the seat is in raised position and urging the eye into the said depression when the seat is in lowered position.

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

WILLIAM HILLIER.

Witnesses:
A. MCDONALD,
A. H. ALLAN.