

W. H. STOW.  
DISAPPEARING CHAIR,  
APPLICATION FILED JULY 10, 1909.

954,222.

Patented Apr. 5, 1910.

2 SHEETS—SHEET 1.

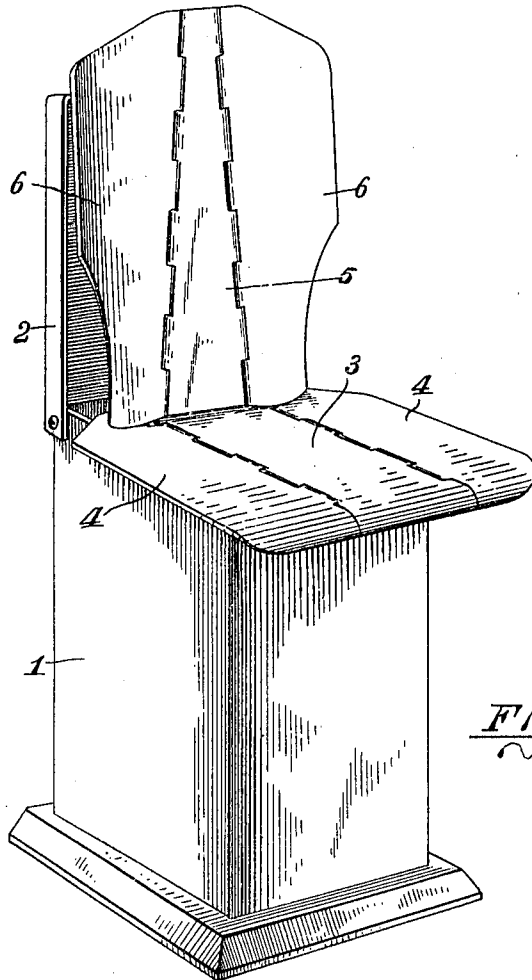


Fig. 1.

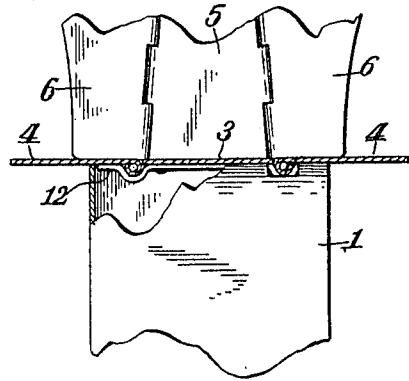


Fig. 6.

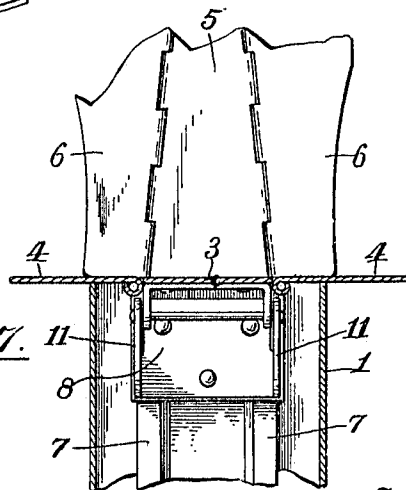


Fig. 7.

Witnesses  
H. O. Van Antwerp  
Georgiana Chase

Inventor  
William H. Stow  
By Luther V. Moulton  
Attorney

**954,222.**

2 SHEETS--SHEET 2.

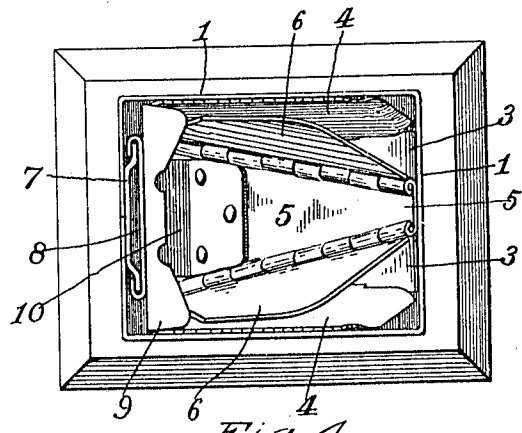
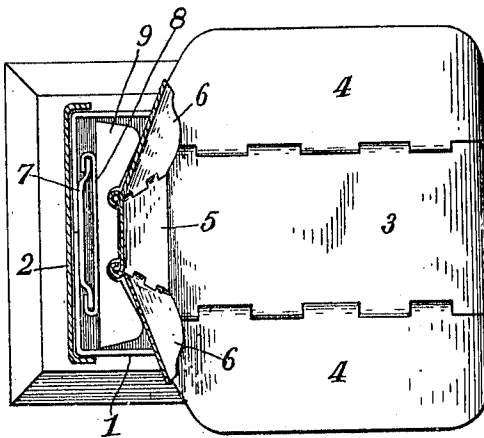


Fig. 4. Inventor  
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# UNITED STATES PATENT OFFICE.

WILLIAM H. STOW, OF FENNVILLE, MICHIGAN, ASSIGNOR TO MELVILLE R. BISSELL,  
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## DISAPPEARING CHAIR.

954,222.

Specification of Letters Patent.

Patented Apr. 5, 1910.

Application filed July 10, 1909. Serial No. 506,875.

*To all whom it may concern:*

Be it known that I, WILLIAM H. STOW, a citizen of the United States of America, residing at Fennville, in the county of Allegan and State of Michigan, have invented certain new and useful Improvements in Disappearing 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.

My invention relates to improvements in disappearing chairs, and its object is to provide a simple, strong and reliable device, the seat and back of which will readily fold and disappear within a suitable case, and to provide the device with various new and useful features, as hereinafter more fully described and particularly pointed out in the claims.

My device consists essentially of a case of suitable dimensions, a vertically movable slide within the case, a middle seat member and a middle back member pivotally connected to the slide, and side extensions to the seat and back members adapted to fold inward and permit the movable parts of the device to descend within the case, as will more fully appear by reference to the accompanying drawings, in which:

Figure 1. is a perspective of a device embodying my invention opened out for use as a chair; Fig. 2. a vertical section of the same; Fig. 3. a vertical section of the device when closed and out of use; Fig. 4. a plan view of the same with the cover removed; Fig. 5. a plan view as shown in Fig. 2. with the upper part in horizontal section on the line 5—5 of Fig. 2.; Fig. 6. a detail in vertical section on the line 6—6 of Fig. 2.; and, Fig. 7. the same on the line 7—7 of Fig. 2.

Like numbers refer to like parts in all of the figures.

1 represents a rectangular case adapted to receive the movable parts of the chair when out of use, and provided with a lid or cover 2, hinged to the rear thereof, and adapted to turn upward to vertical position; 3 is a seat member forming the middle portion of the seat and having side extensions 4 hinged thereto and adapted to turn in the same plane therewith when opened out, being supported in this position by a strip 12 attached to the middle portion and extend-

ing outward therefrom. The entire seat portion is also supported upon the top of the case when opened for use. The middle portion 3 of the seat is hinged to arms 11 extending inward from the lower end of a vertically movable slide 8 supported on vertical ways 7 attached to the rear wall of the case. At the top of this slide 8 is a horizontal support 9 adapted to hold the back in proper position for use when the device is opened out.

5 is a central portion of the back which at the lower end is spaced apart from the slide 8 the proper distance to assume the desired inclination when opened out by means of a rigid arm 10 extending rearward therefrom and pivoted to the slide 8. The middle seat portion 3 extends rearward at 3<sup>a</sup> beneath this arm and assists in supporting the same when the device is opened.

6 are lateral extensions to the back, hinged to the middle member 5, and when opened out for use rest against the support 9 near the top and at the lower end engage the lateral extensions 4 and hold the same down in horizontal position.

In closing the device, the middle member of the back is pulled forward, the arm 10 operating as a lever to engage and depress the rear extension 3<sup>a</sup>, which throws the seat members upward at the front. At the same time the extensions 6 are turned backward on their pivots and the sides of the case engaging the under side of the seat extensions 4, turn the same upward so that the device is automatically folded, whereupon the slide 8 will by gravity run down in the ways 7 and thus deposit the movable parts of the device within the case 1, as illustrated in Figs. 3 and 4.

What I claim is:

1. A disappearing chair, comprising a case, a vertically movable slide in the case, an upwardly projecting back support on the slide, a back member pivoted to the slide and adapted to turn forward at the top and descend within the case, side extensions pivoted to the back member and adapted to fold backward within the case, and a seat member pivoted to the slide and having side extensions foldable upward and rearward to embrace the back members.

2. A disappearing chair, comprising a case, a vertically movable slide in the case, an upwardly projecting back support on the

slide, a forwardly projecting arm pivoted at the rear to the slide, a middle back member rigidly attached to said arm, side extensions on the back and foldable rearwardly, arms rigidly mounted on the slide and projecting forward therefrom, a middle seat member pivoted to said arms and engaging the first named arm when opened outward, and side extensions on the seat member adapted to fold rearward and embrace the back member and extensions thereon.

3. A disappearing chair, comprising a case, vertical ways at the back of the case, a slide vertically movable and supported by said ways, a back support at the top of the slide, a middle back member pivotally connected to the slide at the lower end and engaging said support, side extensions on the back member pivoted thereto and also engaging said support, arms on the slide, a middle seat member pivoted to said arms, and side extensions pivoted to said middle seat member.

4. A disappearing chair, comprising a rectangular case having a cover hinged thereto, a vertically movable slide at the rear of the case, a middle seat member and a middle back member independently pivoted to the slide, said seat member and back member having side extensions hinged thereto, a supporting bar on the seat member and extending oppositely therefrom to engage the side extensions and a back support at the top of the slide to engage the back member and extensions.

5. A disappearing chair, comprising a rectangular case, a vertically movable slide in the case, arms extending inward from the lower end of the slide, a middle seat member pivoted to said arms and oppositely extending from said pivot, a middle back member adapted to engage the rear of the seat member, an arm extending rearward from said back member and pivoted to the slide, a support at the top of the slide to engage the back member and side extensions thereof, and side extensions on the seat member adapted to fold inward and pass within the case.

6. A disappearing chair, comprising a case, a vertically movable slide in the case, arms on the lower end of the slide and projecting inward therefrom, a middle seat member pivoted to the arms and oppositely projecting from the pivots, a middle back member engaging the rear of the seat at the bottom, a rigid arm on the lower end of the back member and pivoted to the slide, side extensions on the seat member and side extensions on the back member, adapted to fold rearward when the device is closed and adapted to engage the seat extensions and hold the same in open position when the device is opened.

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

WILLIAM H. STOW.

Witnesses:

HENRY LAMB,  
GEO. B. MECHEM.