

998,890.

A. FUCHS.

AUTOMATIC DAVENPORT.

APPLICATION FILED JULY 27, 1908.

Patented July 25, 1911.

3 SHEETS—SHEET 1.

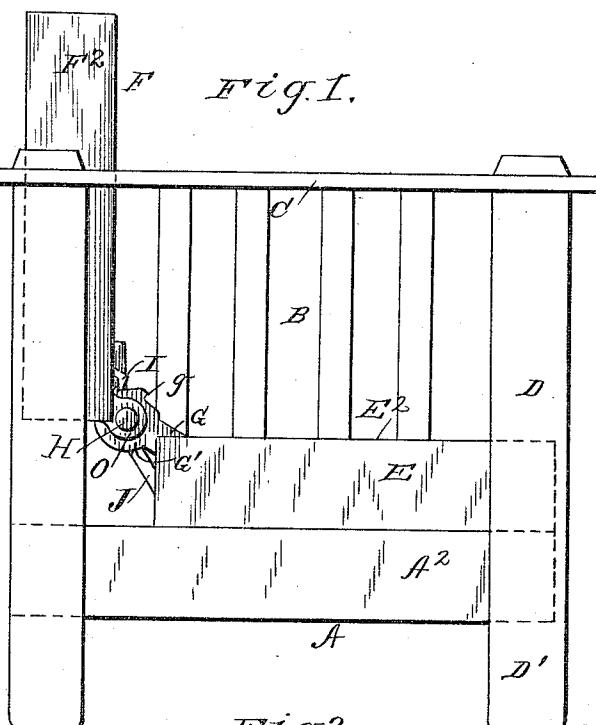
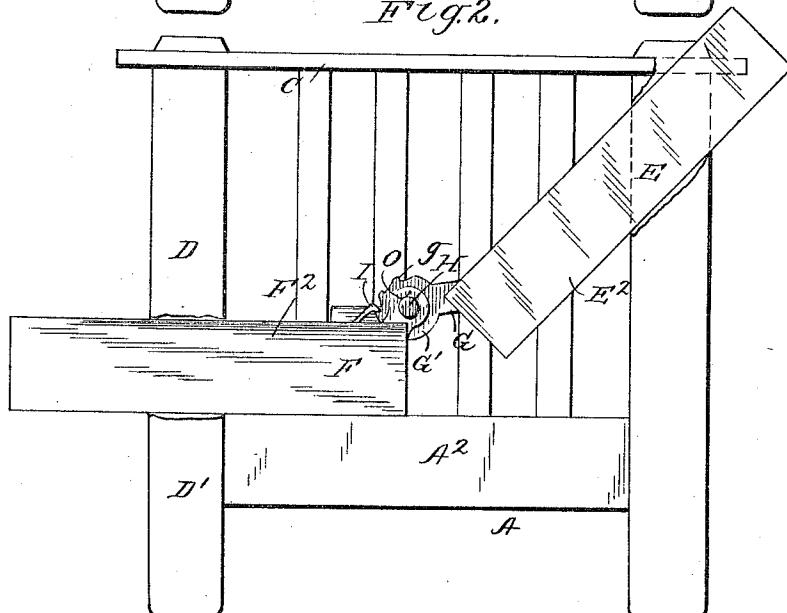


Fig. 2.



Inventor

Witnesses  
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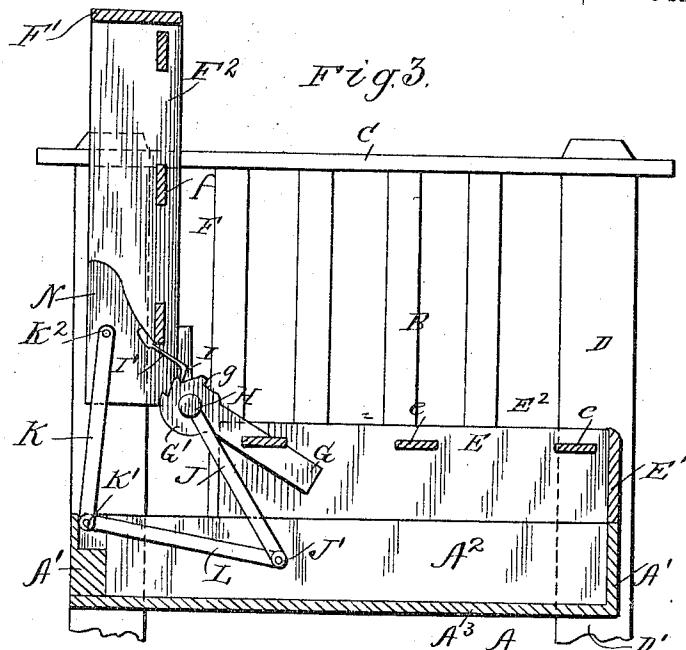


Fig. 3.

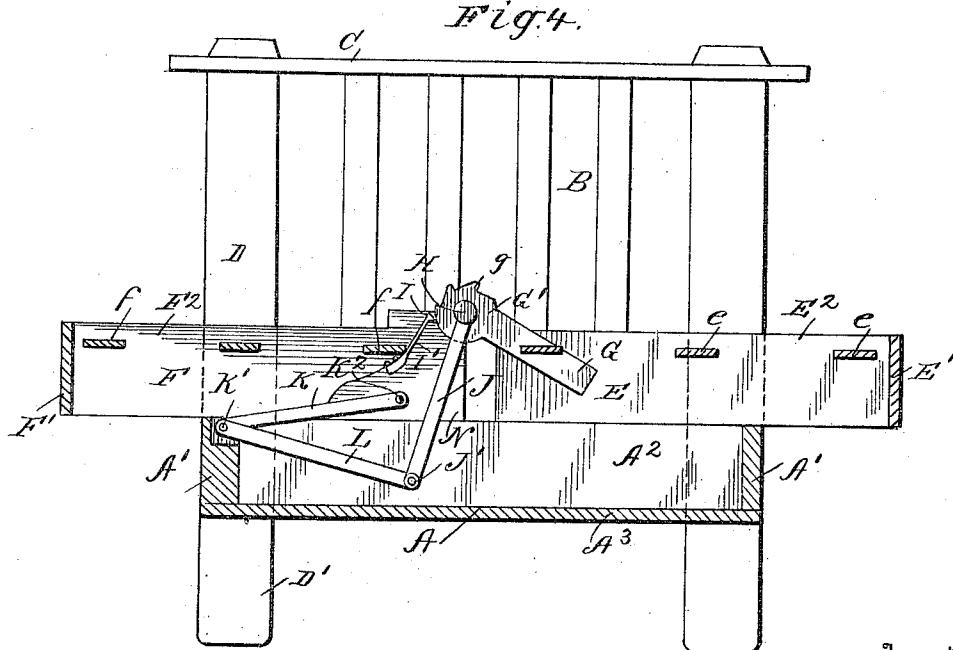


Fig. 4.

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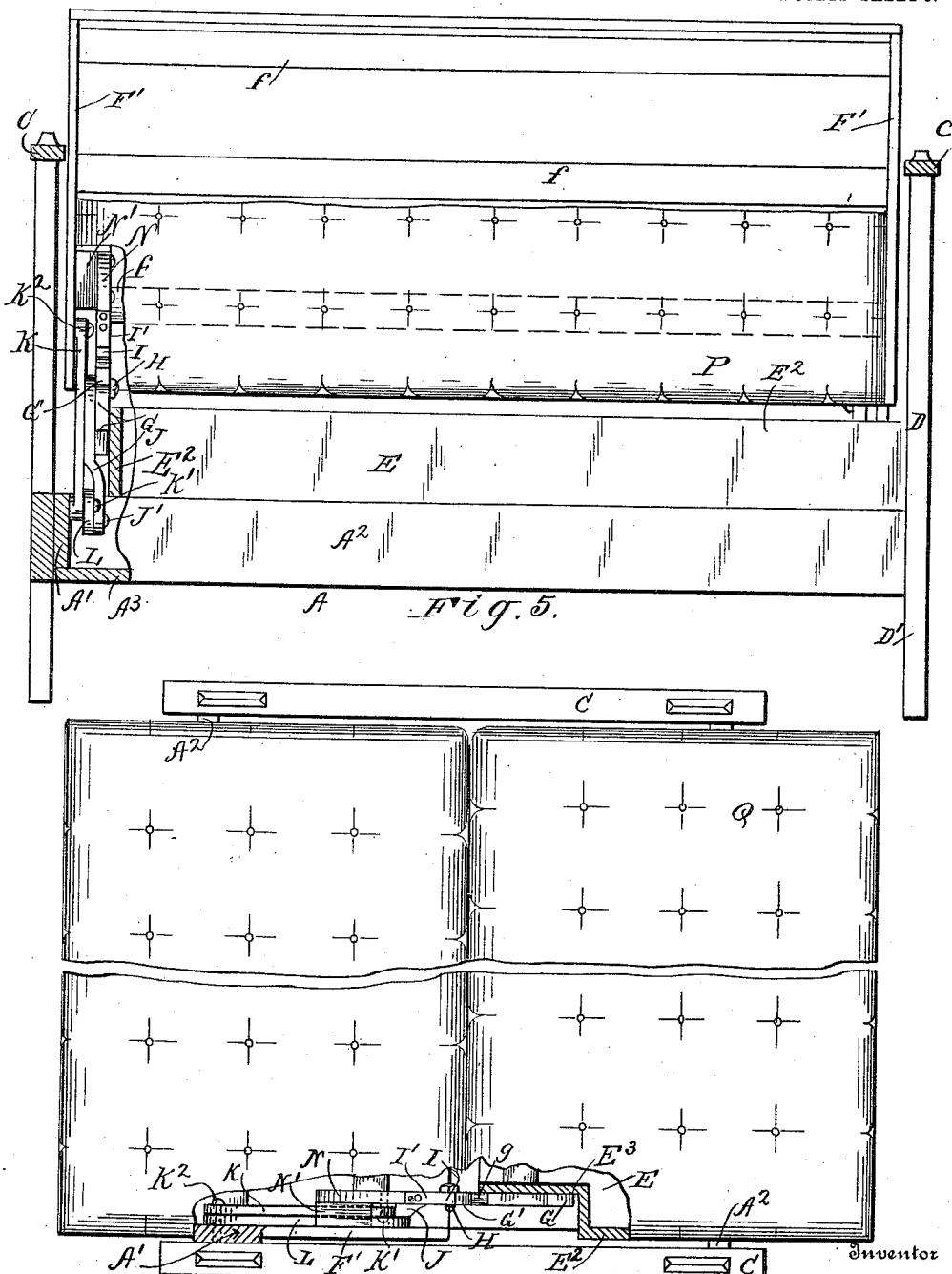
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3 SHEETS—SHEET 3.



Witnesses

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Fig. 6. Albert Fuchs.

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# UNITED STATES PATENT OFFICE.

ALBERT FUCHS, OF EVANSVILLE, INDIANA.

## AUTOMATIC DAVENPORT.

998,890.

Specification of Letters Patent. Patented July 25, 1911.

Application filed July 27, 1908. Serial No. 445,528.

To all whom it may concern:

Be it known that I, ALBERT FUCHS, a citizen of the United States of America, residing at Evansville, in the county of Vanderburgh and State of Indiana, have invented certain new and useful Improvements in Automatic Davenports, of which the following is a specification.

This invention relates to improvements in combination furniture and the object is to produce a device of this character which will combine the three essential features of the invention in one piece of furniture and will serve as a wardrobe, settee and also as a couch or bed, commonly known as an automatic davenport.

This invention further relates to the hinged construction of the device which is so arranged that a portion of the couch can be elevated to any desired angle independent of the link devices when necessary to remove of the clothing containing therein.

The invention also relates to the systematic arrangement of the links for holding the various members of the couch in an operative position; furthermore, the invention relates to the novel construction of the mechanism for arranging the back and seat members centrally when forming a couch.

With the foregoing and other objects in view, the invention consists in the details of construction and in the arrangement and combination of parts to be hereinafter more fully set forth and claimed.

In describing the invention in detail, reference will be had to the accompanying drawings forming part of this specification wherein like characters denote corresponding parts in the several views, in which—

Figure 1, is an end elevation of the device when used as a settee; Fig. 2, is an end elevation of the device when employed as a couch with the slot portion elevated to gain access to the wardrobe; Fig. 3, is a sectional end elevation of the device; Fig. 4, is an end elevation of the device in transverse section when in the position of a couch; Fig. 5, is a front elevation when used as a settee with portions broken away to exhibit the mechanism therein; and Fig. 6, is a plan view of the device, partly broken away and also broken centrally.

This invention consists of a box A, having side portions A', end members A'', and a bottom portion A''. The box portion is

designed for use as a wardrobe, and means are provided whereby access to the wardrobe can be obtained through the medium of the seat portion of the device, irrespective of the position of the davenport. Secured to the ends of the said box A, is a vertical framework B, which is provided with uprights D, and a handrail C. The uprights D, extend downward below the box portion of the device and thus form legs D', for supporting the davenport. Adjacent to said box A, and inclosed between the framework B, on the opposite ends of said box is a seat E, which has one of its sides open, the opposite side E', being closed. E'' indicates the ends of said seat, having a portion thereof recessed, by extending the same inwardly at right angles to form a recess as shown at E''' in Fig. 6 of the drawings, the latter supporting slats e, which are adapted to support a cushion or mattress Q, thereon. Straps G, secured to the ends E'', of said seat, project outwardly beyond the open side of said seat at an angle and terminate in circular bosses G', which are pivotally connected through the medium of bolts H, to ears O, located on the back member F, of the davenport. This back member F, is provided with a side member F', and end members F'', the latter having slats f, for supporting a cushion or mattress P, thereon. Plates N, are secured to the end members of said back through the medium of spacing blocks N', see Figs. 5 and 6 of the accompanying drawings. Arranged on the edge portions of said plates N, are pawls or detents I, provided with a spring portion I', said pawls or detents being adapted to engage the teeth g, on the circular bosses G', hereinbefore referred to.

The means for operating the davenport consist in a number of links so arranged and timed in their operation that a desired result is attained. The links K, are pivoted at K'', to the ends of the back E, and the opposite ends of said links are pivoted to the ends of the box A, at K', and cannot move from that position except radially upon their pivotal connections. Extending from the pivotal points K', are intermediate links L, which are pivoted at J', to annular links J, the opposite ends of said links J, being pivoted to the bolt H, which supports the hinged connections between the back and seat members of the device.

In Fig. 3, of the drawing it will be ob-

served that the back member F, of the device is approximately flush with the davenport, wherein the exact width or depth of the framework B, is attained.

5 In Fig. 4, it will be observed that the couch which constitutes the seat and back members of the device are located exactly in the center of the box and framework thereof which allows an equal distribution of the 10 couch members over the opposite sides of the box, giving symmetry and proportion to the device.

When it is desired to change the davenport from a settee or sofa to a couch, the device 15 can be operated either by pulling the seat portion toward the operator when the back portion will gradually assume a horizontal position; or the back portion can be pulled down by the operator and as it is 20 gradually pulled downward, the pivotal connections H, will force the seat member forward in the position indicated in Fig. 4, of the drawing. When using the device as a settee or sofa, the link connections K, act as 25 a vertical support for the back member F, while the pawls I, being located in the teeth g, will prevent any leverage movement of said back when occupied.

It will be observed that the link mechanism 30 has no specific action on the seat member but only indirectly through the hinged connections between the back and seat members, and by means of the back member pushing the seat member forward through 35 the medium of the link K, which being a pivotal fixture attached to the box A, forces the back member angularly forward and through the radial movement, the said seat member is also forced angularly forward 40 through its pivotal hinged connections as indicated.

The seat member can be moved at an angle independent of the back member or its linked connection, as the bosses G', connecting 45 through the straps G, attached to said seat member will only move on the pivotal

connections H, thereof, while the links J, will remain stationary.

When necessary to gain access to the contents of the box A, the seat member can be 50 elevated from the front side of the couch when the pawls I, will engage the teeth in the bosses G', and hold said seat in its elevated position. To return the seat to its normal position, it is only necessary to give 55 a hard steady pull on said seat which will result in releasing the spring actuated pawl. The seat may be elevated by the back member if necessary by a downward pull thereof when changing from a sofa to a couch. 60

I claim—

1. A davenport provided with a box, a seat member and a back member supported on said box, said box forming a compartment open at its upper side, links pivoted 65 to one side of the box and to the back member, straps carried by the seat member having circular bosses provided with serrations, a pair of links pivotally connecting said box and seat member through the medium of the 70 straps, plates secured to the back member; spring detents carried by said plates adapted to engage serrations on the bosses, and ears secured to the back member and pivotally connected to the straps on the seat member. 75

2. A davenport provided with a box, a seat member and a back member supported by the box, said seat and back members being pivotally connected, a link having pivotal connection with the box and with the 80 back, a second link engaging the pivotal connection of the seat and back, and a third link having pivotal connection coincident with the first said pivotal connection of the first said link, said third link being pivoted 85 to said second link.

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

ALBERT FUCHS.

Witnesses:

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HARRIE M. GOEDDE.