

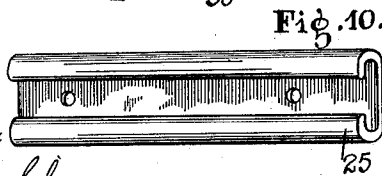
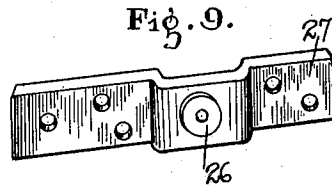
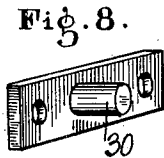
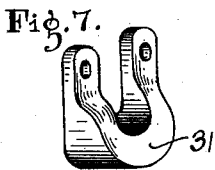
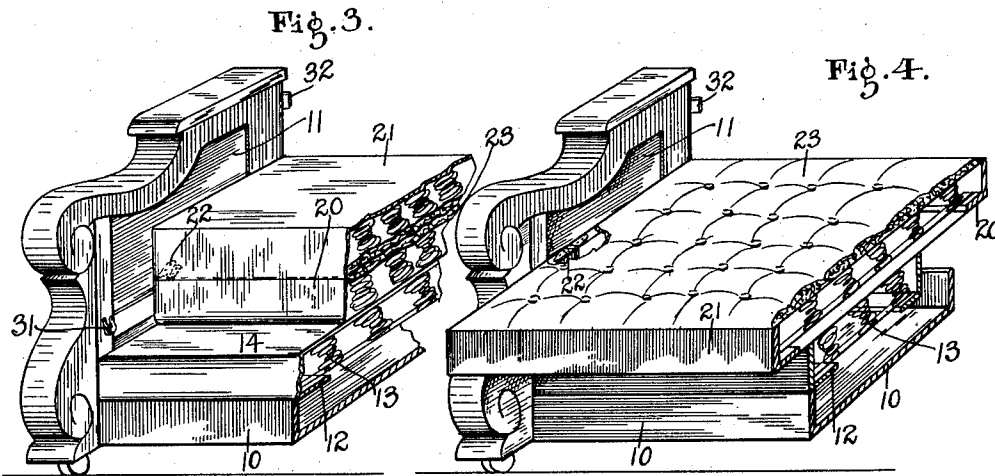
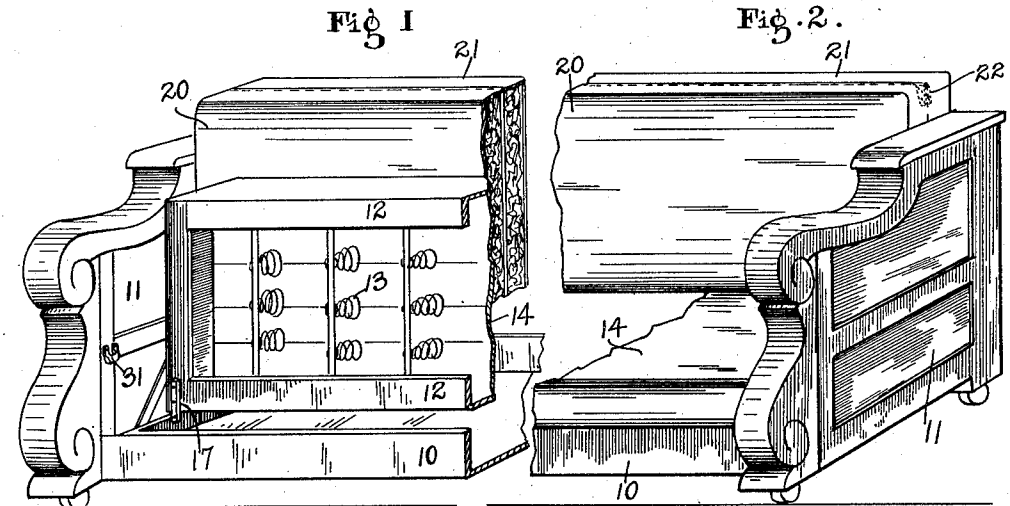
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DAVENPORT.

APPLICATION FILED MAR. 18, 1912.

1,043,482.

Patented Nov. 5, 1912.

2 SHEETS-SHEET 1.



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2 SHEETS—SHEET 2.

Fig. 5.

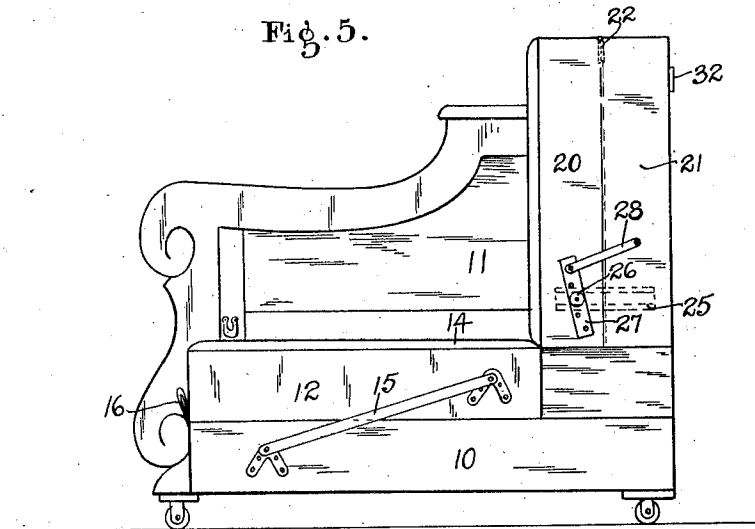
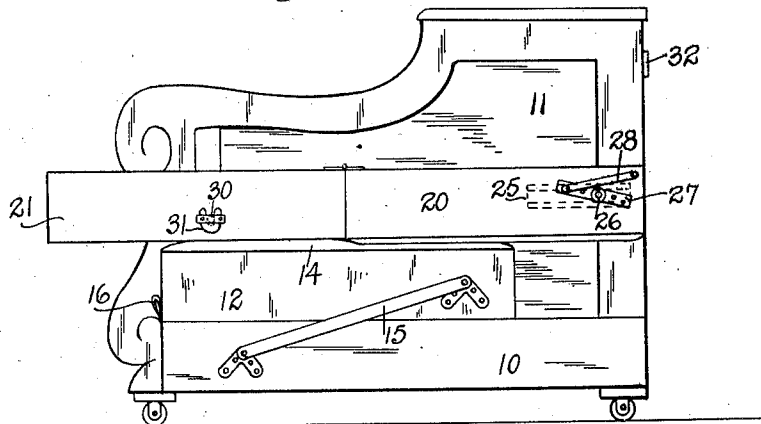


Fig. 6.



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DAVENPORT.

1,043,482.

Specification of Letters Patent.

Patented Nov. 5, 1912.

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To all whom it may concern:

Be it known that we, ROBERT C. THUM, LOUIS C. UMPHREY, and MICHAEL CLUNE, citizens of the United States, and residents of Morgantown, county of Morgan, and Indianapolis, county of Marion, and State of Indiana, have invented a certain useful Davenport; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings.

The object of this invention is to provide a simple, economical and yet easily operated davenport or sofa bed.

The chief feature of the invention consists in folding the mattress up to form the back, or forming the mattress only from the back by unfolding the back. The back is unfolded down upon the seat portion and is supported largely by the seat portion and the seat constitutes no part of the mattress. This makes the arrangement a very cheap one and yet it is easy to operate and a box is thus furnished which has no intermediate rigid parts. In addition to the foregoing, the mounting of the seat portion is such that the bedding may be readily placed under the seat and readily removed therefrom.

The nature of the invention will be understood from the following descriptions and claims.

In the drawings Figure 1 is a perspective view from the front of the left hand half of the davenport with the seat turned up to render the bedding thereunder accessible. Fig. 2 is a similar view of the right hand end of the davenport with the seat down after the bedding has been removed. Fig. 3 is substantially the same as Fig. 1 with the back or mattress portion turned down in the first stage of its unfolding. Fig. 4 is the same as Fig. 3 with the mattress completely unfolded into the bed position and with parts broken away. Fig. 5 is an elevation of the right end of the davenport, in its folded condition, but with the end member removed. Fig. 6 is the same as Fig. 5 with the bed in the unfolded condition. Fig. 7 is a perspective view of the stirrup on the end of the davenport. Fig. 8 is a similar view of the pin in the end of the mattress section adapted to fit in the stirrup shown in Fig. 7. Fig. 9 is a perspective view of the strap secured to the mattress and carry-

ing a roller. Fig. 10 shows a guide secured to the end of the davenport and in which said roller operates.

There is shown herein a bottom frame 10 which is in the form of an open top box for receiving bedding and it is rigidly secured to the ends 11 of the davenport. These three pieces, the bottom 10 and the two ends 11 constitute the fixed portion of the davenport.

The seat 12 is a box like frame open on its underside and containing springs 13 with an upholstered cushion 14. A rigid link 15 is pivoted to each end of the seat frame 12 near its edge, (see Fig. 5) and the other end of each link 15 is pivoted to the end wall of the bottom 10, or what is the same thing, to the end of the davenport or main frame. It is merely necessary that the links be pivoted to a fixed part of the frame and to a front part of the frame as shown in Fig. 5. By pulling up on the strap 16 at the front of the seat it can be turned from the horizontal position shown in Fig. 5 to the vertical position shown in Fig. 1 for the insertion or removal of bedding. In this movement of the seat, the leather portion rests upon and turns upon the ends of the bottom 10 of the main frame and the seat is prevented during this movement, from having longitudinal movement by the arms which are secured at each end to the seat and project into bottom 10 and cooperate with the end of said bottom. Normally the seat rests flat upon the bottom 10 as shown in Fig. 5.

The mattress frame consists of two sections 20 and 21 with their adjacent edges connected by hinges 22. Each section of the mattress frame is a box like frame with a rigid side and rigid end but there is no rigid side for either section located midway of the mattress frame when horizontal and there is no rigid top and bottom for the mattress sections, and this frame is fitted with the mattress 23 formed of wire portions covered with suitable mattress bedding and wholly suspended thereon from side to side and from end to end, as shown in Fig. 4.

The rear section 20 of the mattress frame constitutes the front part of the back when folded up while the front section of the mattress frame constitutes the rear part of the back as shown in Fig. 5. A horizontal

metal guide 25 is secured to the inner surface of each end 11 of the davenport and to each end of the section 20 of the mattress roller 26 is secured by means of a metal strap 27 and the roller 26 travels in the guide 25. A link 28 is pivoted at one end to the strap 27 and at the other end, to the inner surface of the end frame 11—as indicated in Fig. 5 although there the rear end of the main frame 11 is omitted.

Assuming the back to be arranged as in Fig. 5 with the sections 20 and 21 of the mattress vertically folded, the same is unfolded to form the bed as follows: The back is pulled forward to the position shown in Fig. 3, then section 21 is on top of section 20 and the rear part of section 21 is lifted and turned over toward the front of the davenport to the position shown in Fig. 6 and in doing this latter stage in the operation, the section 20 of the mattress frame is moved rearward somewhat until it is flush with the rear parts of the ends 11 of the davenport. This brings the mattress frames down horizontally and above the seat and the rear mattress frame 21 is held in place by pins 30 secured to each end thereof projecting into the stirrup 31 secured to each end 11 of the davenport. The bed is then ready for use.

The bed is folded up by a reverse operation. The section 21 is first turned over upon section 20 to position shown in Fig. 3 and then both sections turned up to the position shown in Figs. 2 and 5. The strong stop arms 32 are secured to the rear edges of the ends 11 to engage the rear surface of the mattress frame section 21 when in a vertical position and keep it from falling backward.

We claim as our invention:

1. A davenport including a main frame, a mattress formed of two abutting sections hinged together at the upper side thereof and supported upon said main frame, and a pivotal connection between the main frame and one mattress frame section near the outer side thereof so that the other mattress frame section may be folded over upon said pivoted mattress frame section and the two sections turned to a vertical position to form the back of the davenport.

2. A davenport including a main frame, a seat portion therein, a mattress formed of two abutting sections hinged together at the upper side thereof and supported upon said main frame and over said seat portion, and

a movable connection between the main frame and one mattress frame section near the outer side thereof so that the other mattress frame section may be folded over upon said mattress frame section which is connected with the main frame and the two sections turned to a vertical position to form the back of the davenport.

3. A davenport including a main frame, a seat portion therein, a mattress formed of two abutting sections hinged together at the upper side thereof and supported upon said main frame and over said seat portion, a movable connection between the main frame and one mattress frame section near the outer side thereof so that the other mattress frame section may be folded over upon said mattress frame section which is connected with the main frame and the two sections turned to a vertical position to form the back of the davenport, and means on the end portions of the main frame for holding said mattress frame sections in a vertical position.

4. A davenport including a main frame, a horizontal guide in connection with the inner surface of each end of the main frame and at the rear portion thereof, a mattress frame formed of two sections hinged together, a roller mounted in each end of the rear section of the mattress frame and moving in one of said guides, means for limiting the forward and backward movement of said rollers in said guides, and means for maintaining said mattress frame sections in a vertical position when folded.

5. A davenport including a main frame, horizontal guides secured to the inner surfaces of the ends of the said frame, a mattress frame formed of two sections hinged together, a plate secured to each end of the mattress frame section, a roller carried by each plate and operating in one of said guides, a link pivotally connected with each end of the rear mattress frame sections and the adjacent end of the main frame, and a stop for holding the mattress sections when folded in a vertical position.

In witness whereof we have hereunto affixed our signatures in the presence of the witnesses herein named.

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LOUIS C. UMPHREY.
MICHAEL CLUNE.

Witnesses:

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