

D. E. SWEENEY.
DAVENPORT.
APPLICATION FILED AUG. 10, 1911.

1,014,535.

Patented Jan. 9, 1912.

Fig. 1.

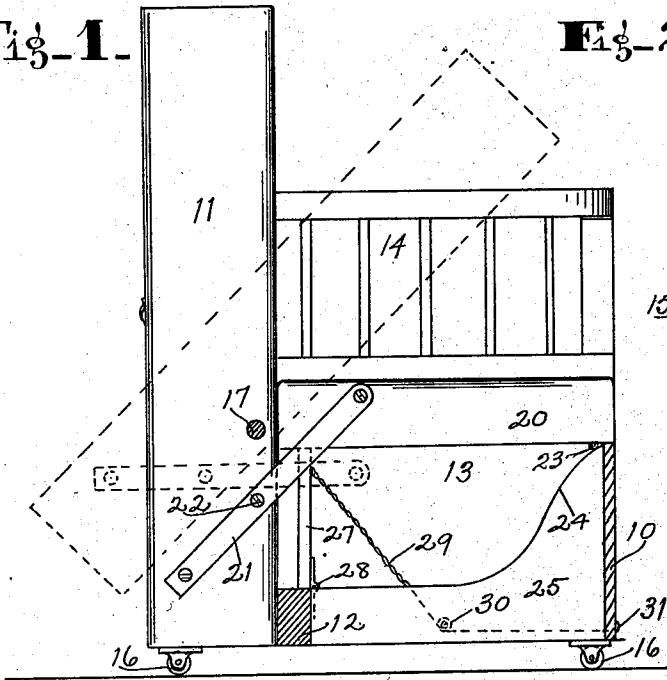


Fig. 2.

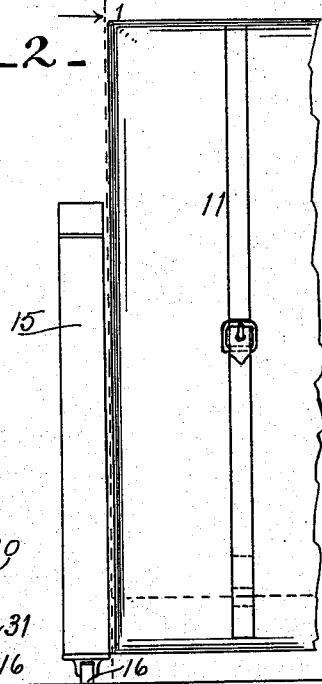


Fig. 3.

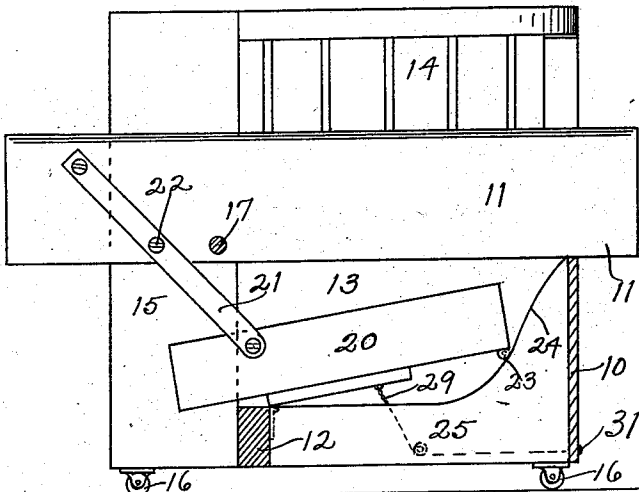
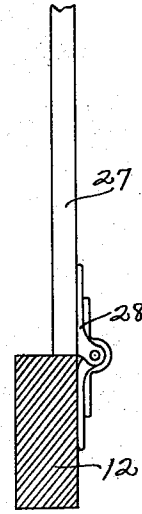


Fig. 4.



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DAVENPORT.

1,014,535.

Specification of Letters Patent.

Patented Jan. 9, 1912.

Application filed August 10, 1911. Serial No. 643,460.

To all whom it may concern:

Be it known that I, DENNIS E. SWEENEY, a citizen of the United States, and a resident of Indianapolis, county of Marion, and State of Indiana, have invented a certain new and useful Davenport; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings.

10 The object of this invention is to provide a davenport or like article of furniture with a seat portion which is sufficiently high when the parts are in the settee position and will move downwardly out of the way of the
15 folding or bed portion so it will be sufficiently low when down in the bed position.

The chief feature of the invention consists in making a receding seat portion and connecting it with the folding bed portion
20 in such manner that said seat portion will be moved to its various positions by the bed portion when it is moved to the bed or settee position, and so that the bed portion will be low enough for convenient use.

25 The nature of the invention will be understood from the accompanying drawings and the following description and claims.

In the drawings Figure 1 is a central vertical transverse section through the device
30 when in the settee condition, the folding movement of the bed portion being indicated by dotted lines. Fig. 2 is a rear elevation of Fig. 1. Fig. 3 is the same as Fig. 1 with the parts in a settee position. Fig.
35 4 is a detail of the portion shown in Fig. 1.

The frame or stationary part of the device has a front bar 10 which extends up high enough to receive and support the folding bed portion 11 when turned down
40 to the bed position, as shown in Fig. 3. The frame also has a rear longitudinal bar 12 and ends consisting of a lower portion 13, an upper open work portion 14 and a rear vertically disposed board or plate 15. These
45 parts 13, 14 and 15 are rigidly secured together or, if desired, are integral and are supported by casters 16 on the floor.

The folding bed portion 11 is a rectangular box which is open at the top when in the folded down condition, and open to the rear when in the upright condition. The portion 11 is fulcrumed at its two sides to the end plates 15 by the fulcrums 17 so that when in the upright position the lower part of the fold-
50 ing bed portion will be substantially flush with the lower part of the end plates 15.

The bedding is strapped in the box 11 so that it will be held in position when the folding bed portion 11 is turned to the upright position, as shown in Fig. 2. The
60 parts are so arranged that when the folding bed portion is drawn down its sides will extend beyond the front and rear portions of the frame and make a symmetrical construction with the bed portion supported by the
65 fulcrum 17 toward one side and by the frame plate or bar 10 at the front, as seen in Fig. 3. The seat portion 20 is, near its inner rear side pivotally connected at each end with
70 bars 21 that are rigidly secured to the folding bed portion 11 by the screws 22. Rollers 23 are fastened to the lower front corners of the seat portion so as to ride up and down the inclined upper edges or tracks 24 of
75 boards or strips 25 which are secured to the inner surfaces of the end portions 13 near the bottom, as shown in Figs. 1 and 2. The inclined tracks 24 extend from the upper edge of the strip or board 10 downwardly
80 toward the rear. When in the settee position the rear part of the seat portion 20 is supported by folding uprights 27 which are pivoted by hinges 28 to the back bar 12. The hinges 28 are spring hinges which tend
85 to throw the uprights 27 into the upright position, see Fig. 4, and these uprights are pulled down forwardly by a cord 29 that extends from the upper part of the uprights under a pulley 30 on each end through the forward strip or board 10 to a knob 31.
90

The mode of operation is as follows: Assuming the parts to be in a settee position, as shown in Fig. 1, it is converted into a bed by first pulling the knob 31 somewhat so that the uprights 27 will be taken from under
95 the rear part of the settee portion 20; then the folding bed portion 11 is turned from the vertical to the horizontal position shown in Fig. 3. Such movement of the portion 11 causes the bars 21 to move the seat portion
100 20 downwardly and somewhat to the rear, out of the way, as seen in Fig. 3.

When it is desired to change the device from a bed to a settee, the folding bed portion 11 is turned to the upright position and
105 the arms 21 will force the seat portion 20 forwardly and upwardly and the rollers 23 will ride up on the tracks 24, and as the seat portion goes up the spring hinges will cause the uprights 27 to follow the seat portion
110 and to move into supporting position. Thus with this construction of parts, the bed por-

tion is centrally supported and the seat portion is moved automatically down out of the way or up into the settee position as the bed is operated. A very advantageous feature lies in this construction for by it the bed portion, when moved into position, is brought within convenient distance from the floor.

What I claim as my invention and desire to secure by Letters Patent is:

1. A davenport including a frame having a front bar, a seat portion with its forward end adapted to be normally supported by said frame bar, uprights pivoted at their lower ends to the frame for supporting the rear part of the seat portion when in normal position, means for moving said uprights on their pivots, a folding bed portion fulcrumed at its sides and between its ends to the rear part of the frame so that when turned downwardly it will be supported by said frame bar, and bars secured to the folding bed portion and pivoted to said seat portion so that the seat portion will be moved out of and into position by the movement of said bed portion.

2. A davenport including a frame having a front bar, a seat portion with its forward end adapted to be normally supported by said frame bar, uprights pivoted at their lower ends to the frame for supporting the rear part of the seat portion when in normal position, means for moving said uprights on their pivots, a folding bed portion fulcrumed at its sides and between its ends to the rear part of the frame so as, when turned downwardly, to be supported by said

frame bar, bars secured to the folding bed portion and pivoted to said seat portion so that the seat portion will be moved out of and into position by the movement of said bed portion, and inclined tracks on the ends of the frame for supporting and guiding the forward part of the seat portion during its movements.

3. A davenport including a frame having a front bar, a seat portion with its forward end adapted to be normally supported by said frame bar, uprights for supporting the rear part of said seat portion, spring hinges for pivoting the lower ends of said uprights to the frame, a cord extending from the upper part of said uprights to the front part of the device for drawing said uprights from under the seat portion, a folding bed portion fulcrumed at its sides and between its ends to the rear part of the frame so as, when turned downwardly, to be supported by said frame bar, bars secured to the folding bed portion and pivoted to said seat portion so that the seat portion will be moved out of and into position by the movement of said bed portion, rollers on the lower front corners of the seat portion, and inclined tracks on the end of the frame for supporting and guiding the forward part of the seat portion during its movements.

In witness whereof, I have hereunto affixed my signature in the presence of the witnesses herein named.

DENNIS E. SWEENEY.

Witnesses:

E. H. MAYO,

J. H. WELLS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."