O. H. SCHRAM.

DAVENPORT.

APPLICATION FILED JAN. 25, 1919.

1,344,928.

Patented June 29, 1920.

2 SHEETS—SHEET 1.

Fig. 1.

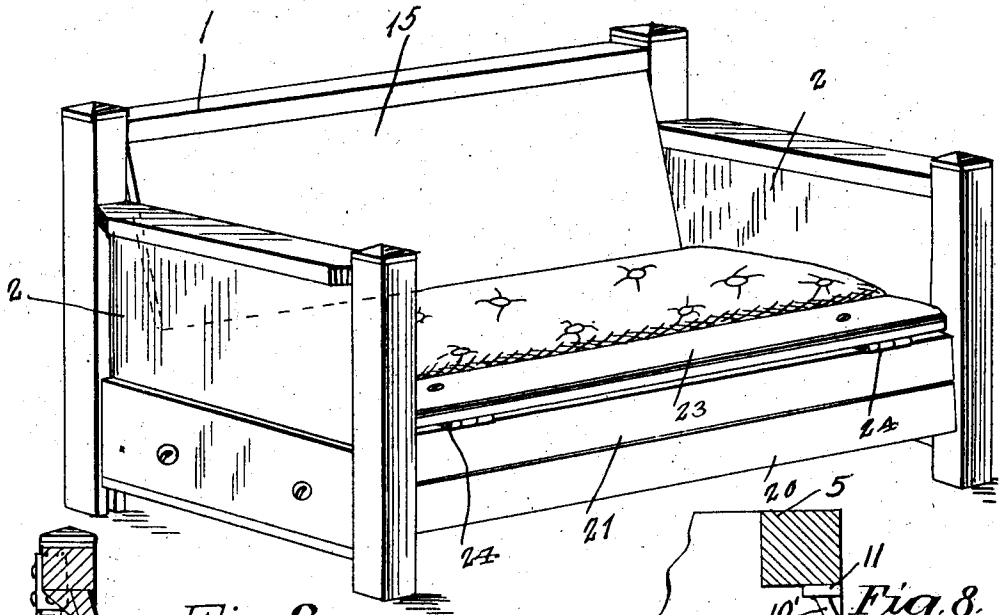


Fig. 2.

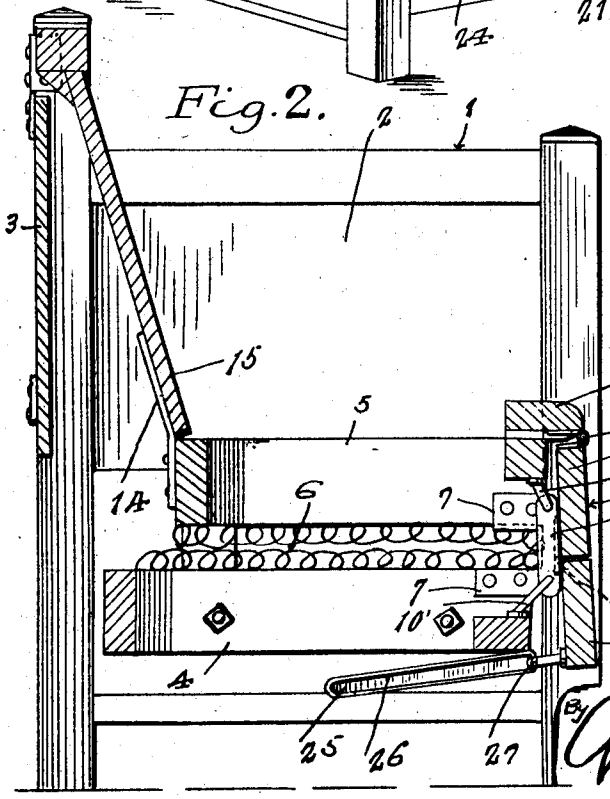


Fig. 8.

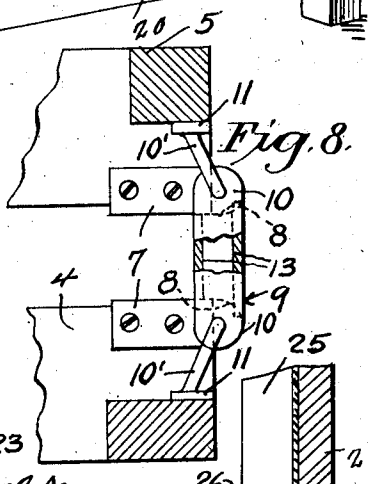
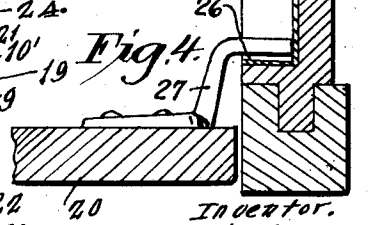


Fig. 4.



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2 SHEETS—SHEET 2.

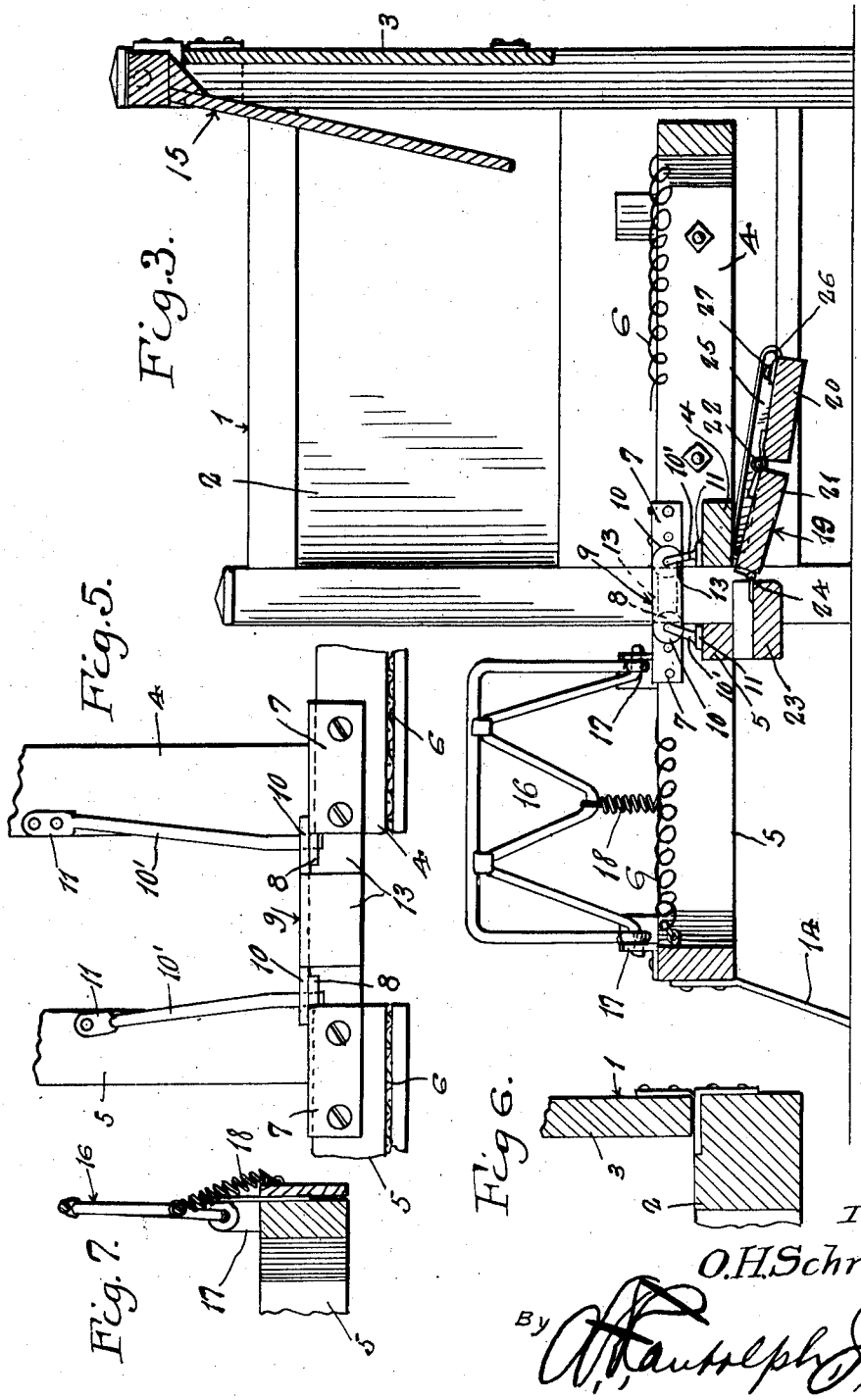


Fig. 3.

Fig. 5.

Fig. 7.

Fig. 6.

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UNITED STATES PATENT OFFICE.

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DAVENPORT.

1,344,928. Specification of Letters Patent. Patented June 29, 1920.

Application filed January 25, 1919. Serial No. 273,101.

To all whom it may concern:

Be it known that I, OSCAR H. SCHRAM, a citizen of the United States, residing at Oshkosh, in the county of Winnebago and State of Wisconsin, have invented certain new and useful Improvements in Davenports; 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 davenports of the character set forth in my application for U. S. Letters Patent, filed June 18th, 1918, and serially numbered 240,580, and has for one of its objects the provision of a closure member adapted to conceal the connection between the stationary and movable spring frames when the device is in seat forming position and which is provided with means for causing the same to pass under the stationary frame when the device is in bed forming position.

Another object of this invention is the provision of a back that will support a cushion in an inclined plane when the device is in seat forming position and which is maintained in this position by legs that will act as supports to the outer edge of the movable frame when the device is in bed forming position, permitting the back to assume a substantially vertical position so as to not interfere with or overlie the stationary frame.

A further object of this invention is the provision of end members to the movable frame normally disposed between the frames when the device is in seat forming position and which are capable of being moved into vertical position when the device is made into a bed.

A still further object of this invention is the provision of a davenport of the above stated character, which shall be simple, durable and efficient and which may be manufactured and sold at a comparatively low cost.

With these and other objects in view as will become more apparent as the description proceeds, the invention consists in certain novel features of construction, combination, and arrangement of parts as will be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawings in which:

Figure 1 is a perspective view of a davenport constructed in accordance with my invention,

Fig. 2 is a transverse sectional view of the same,

Fig. 3 is a similar view with the device in bed forming position,

Fig. 4 is a detail sectional view illustrating the means for causing the concealing member to move under the stationary frame when the device is in bed forming position,

Fig. 5 is an enlarged detail view of one of the hinges for establishing a connection between the frames,

Fig. 6 is a detail view illustrating the manner of connecting the back to the side members of the davenport,

Fig. 7 is a detail view of one of the end members for the movable frame,

Fig. 8 is a detail sectional view of one of the hinges employed between the frames.

Referring in detail to the drawings, the numeral 1 indicates as an entirety a davenport including side members 2 and a back 3 which supports the side members in vertical and relatively spaced position. A stationary spring frame 4 is secured to the side members and has hingedly connected thereto a movable spring frame 5 which is adapted to overlie the stationary frame 4 when the device is in seat forming position and when in bed forming position, the movable frame is swung to a parallel plane with the stationary frame, thereby forming a considerable width to the bed. The frames 4 and 5 have secured thereto a bed spring 6 of any desired construction and which will fold intermediately when the frames are swung one upon the other. When the frame 5 is swung over the frame 4 to form the seat, a spring mattress or cushion is placed upon the movable frame 5 to form the seat to the device and which is supported by a double spring arrangement owing to the bed spring being folded upon itself when the movable frame is swung over the stationary frame.

Each hinge connection between the frames 4 and 5 consists of angular brackets 7 secured to the adjacent edges of said frame and each provided with an ear 8. A connecting member 9 is provided with ears 10

which are provided with openings adapted to register with openings in the ears of the angle iron brackets to receive pintle rods 10 which are secured to the respective frames as shown at 11, so that the movable frame 5 is provided with a double hinge connection between itself and the stationary frame. The connecting members are provided with angularly related members 13 which are adapted to form supports and rests for one edge of the movable frame 5 when in seat forming position and also bed forming position. It will be seen that the ends of one of the members 13 engage the frames when the device is in bed forming position and the ends of the other member 13 engage said frames when the device is in seat forming position. The free edge of the movable frame 5 is provided with legs 14 that are inclined outwardly and downwardly so as to engage the ground or floor for firmly supporting the movable frame 5 in bed forming position. When the movable frame 5 is swung over the stationary frame 4, the legs are disposed upwardly and rearwardly to support the lower edge of a pivoted back 15 so as to dispose said back in an inclined plane for making a comfortable back rest. The upper edge of the back is pivoted to the upper ends of the side members 2. The pivoted back may be known as a pillow rest as the same is adapted to support a pillow or cushion when the device is in seat forming position in an inclined plane, thus cooperating with the cushion upon the movable frame in forming a comfortable seat to the user.

End frames 16 are pivotally connected to the ends of the movable frame 5 by ears 17 and when the movable frame is swung over the stationary frame, the end frames are disposed between the movable and stationary frames, or between the fold of the bed frame. Coil springs 18 are connected to the end frames and to the movable frame for holding the frames 16 either horizontally or vertically.

The concealing member 19 consists of strips or boards 20 and 21 connected by hinges 22. One edge of the strip or board 21 is secured by hinges 24 to a member 23 which is in turn secured to one face and adjacent one edge of the movable frame 5. When the movable frame 5 is in seat forming position, the member 23 is disposed uppermost to form a stop or abutment for the front edge of the cushion or seat located upon the movable frame 5. The side members at a point under the stationary frame 4 are provided with inclined slots 25 having metallic lining 26 adapted to receive arms 27 carried by the strip or board 20 of the concealing member 19 so that when the movable frame 5 is swung into bed forming position, the concealing member 19 is caused or compelled to slide under the stationary frame 4, and when the movable frame 5 is swung into seat forming position, the slots and arms cause the connecting member to assume a vertical position concealing the connection between the movable and stationary frame.

While I have shown and described the preferred embodiment of my invention, it will be understood that minor changes in construction, combination, and arrangement of parts, may be made without departing from the spirit and scope of the invention, as claimed.

Having thus described my invention, what I claim is:—

A davenport including rear and side portions and said side portions adjacent their lower edges having inclined grooves, metallic linings for said grooves, a stationary frame carried by said portions, a movable frame hinged to the stationary frame, an abutment secured to the inner longitudinal edge of the movable frame and projecting beyond the same, a pair of hingedly connected concealing members and one of said members hinged to the projected portion of the abutment, an arm secured to the other concealing member and projecting in said grooves.

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

OSCAR H. SCHRAM.

Witnesses:
FRANK B. KEEFE,
HENRY O. BARBEN.