Nov. 22, 1927. 1,650,178

J. T. ATKINSON

SWINGING DAVENPORT

Filed Oct. 3. 1925

Fig. 1.

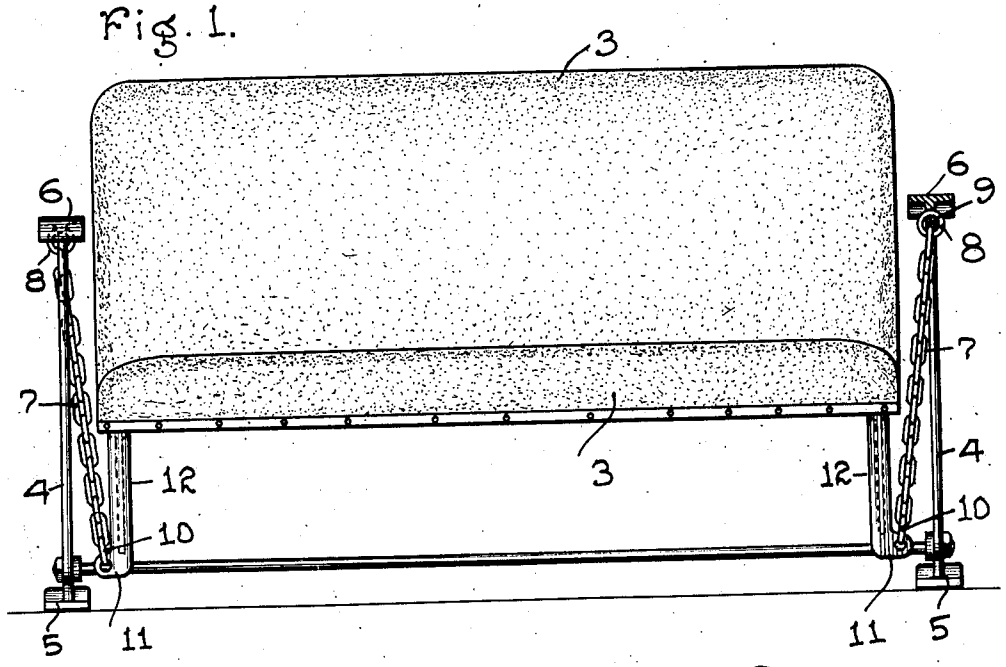
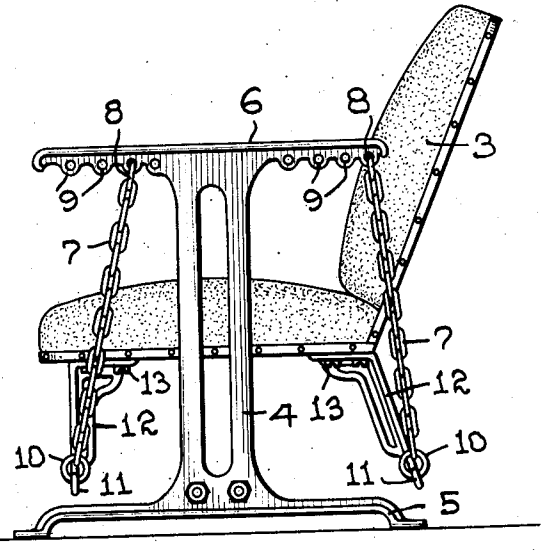


Fig. 2.



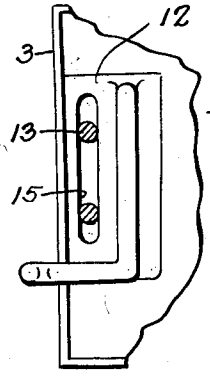


Fig. 3.

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By

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UNITED STATES PATENT OFFICE.

JEROME T. ATKINSON, OF NEW YORK, N. Y.

SWINGING DAVENPORT.

Application filed October 3, 1925. Serial No. 60,339.

The present invention relates to swinging davenports and consists in the combinations and arrangements of elements hereinafter described and particularly set forth in the accompanying claims.

The invention is proposed as a further improvement over the types of gliding davenports disclosed in my co-pending applications for U. S. patents, to wit: Serial No. 18,846, filed March 27, 1925; Serial No. 18,847, filed March 27, 1925; Serial No. 18,848, filed March 27, 1925.

The present invention is characterized in having the seat or lounge portion so mounted on the stands or supports as to give a free and easy swinging motion to the seat, and in a manner which will always keep correct the center of mass of structure coincident with the center of gravity of the movable load, and hereby insure a stable and rigid structure.

A further purpose of the invention resides in providing suspending elements of maximum length for the seat portion, to the end of obtaining a maximum leverage, thereby giving to the swing a motion approximating an arc or similar to the movements of a hammock. And it is further proposed to have the several points of suspended connections made adjustable so that the extent of swing or sweep and positioning of the load on the seat may be varied at will.

The invention is shown by way of illustration in the accompanying drawings, wherein:

Figure 1 is a front elevational view of the davenport; and

Figure 2, a side elevational view thereof and Figure 3, a fragmentary bottom plan view of a detail in larger scale.

Referring to the construction in further detail and wherein like reference characters designate corresponding parts in the different figures shown 3 indicates the seat or lounge portion that is swingingly mounted on suitable supports 4 that are located at the respective ends of and suitably spaced from said seat. Each of the supports 4, is provided with extended bases or feet 5, and at its upper end each support has an arm rest 6 whose length is substantially the same as the width of the seat portion 3.

A pair of swinging supports, in the form of chains 7, suspends the seat portion from each end, though it will be understood that rigid rods or other means may be employed in lieu of the chains 7 if preferred.

The chains 7 at each end of the seat 3 have their upper terminal links 8 detachably connected with apertured arm portions 9 formed in the under side of the arm rest 6, as shown. And at their lower ends said chains 7 have rings or links 10 adapted for removable connection with the apertured ends 11 of the two bracket-arms 12 (see Figure 2). The four bracket-arms 12 are of a length suitable for extending the chains 7 at such distance below the under side of the seat as will provide the necessary sweep or leverage for the suspending chains. It is further provided that the suspending chains may be connected to the supports 9 and 12 slightly back of the medial line of the seat so that in operation the davenport will be quite stable, and a relatively prolonged and easy swinging motion to the seat insured.

To vary this the several brackets 12 are adjustably mounted to the under side of the seat portion 3 and there secured by the several fastening bolts 13 running through the elongated slots (15) in the brackets, see Figure 3, or in any suitable manner. In like manner this variation may be made by adjusting the chain links 8 in the several holes 9.

It is to be understood that the invention as herein disclosed is not limited to the details of construction shown and described, as these may be varied widely without departing from the spirit of the invention as defined by the claims.

What is claimed as new is:

1. In a swinging davenport the combination of suitable end supports provided with horizontally spaced apertures, a seat, brackets adapted to be secured to the underside of the seat, means for securing said brackets adjustably to the seat in forward and rearward directions, and suspension members of fixed length adapted to selectively engage said apertures with their upper ends and fixedly engage said brackets with their lower ends, substantially as set forth.

2. In a swinging davenport the combination of suitable end supports provided with horizontally spaced apertures, a seat, brackets having depending arms, means for mounting the brackets adjustably in forward and rearward directions on said seat, and chains of fixed length with their lower ends attached to said bracket arms and their upper ends adjusted to selectively engage said apertures, whereby the extent of swing of the hammock may be regulated, substantially as set forth.

In witness whereof, I have hereunto set my hand at New York city, New York.

JEROME T. ATKINSON.