

Improvement in Sofa-Beds

No. 118,994.

Patented Sep. 12, 1871.

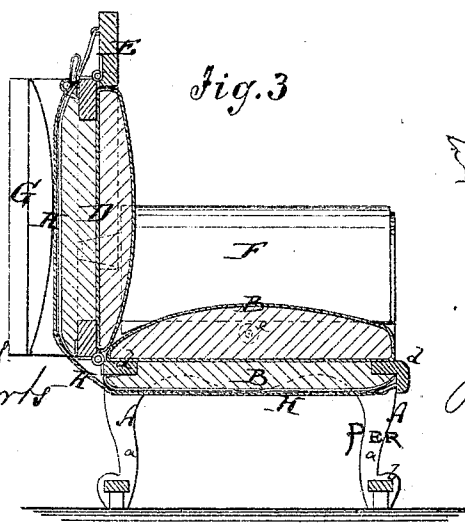
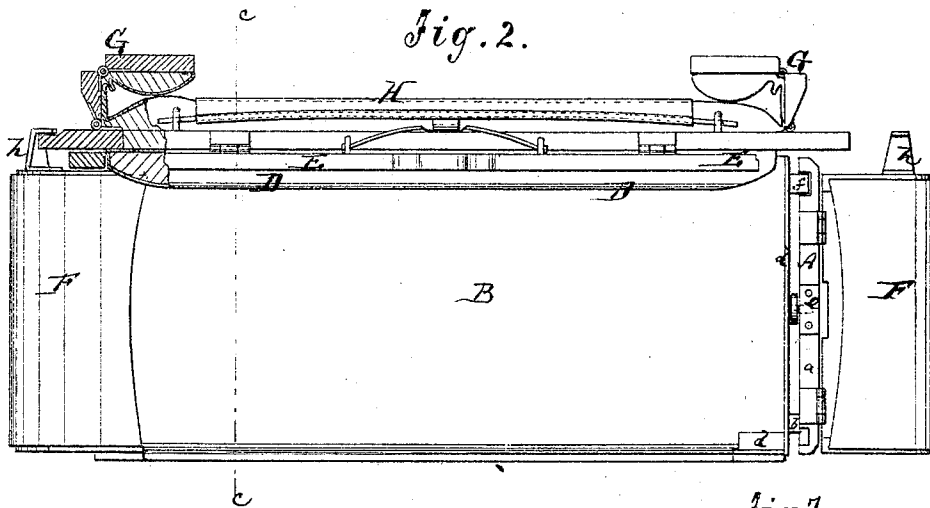
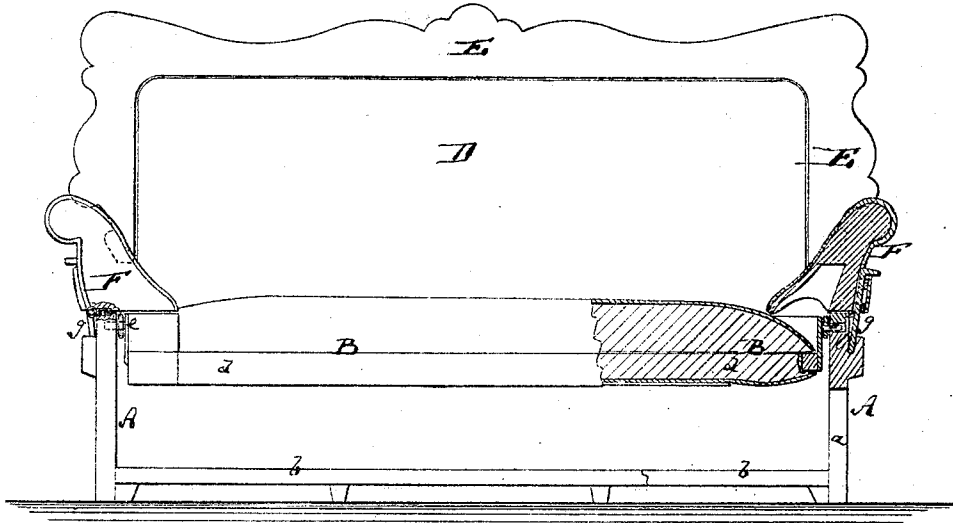
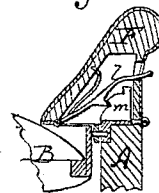


Fig. 1.

Fig. 2.

Fig. 3.



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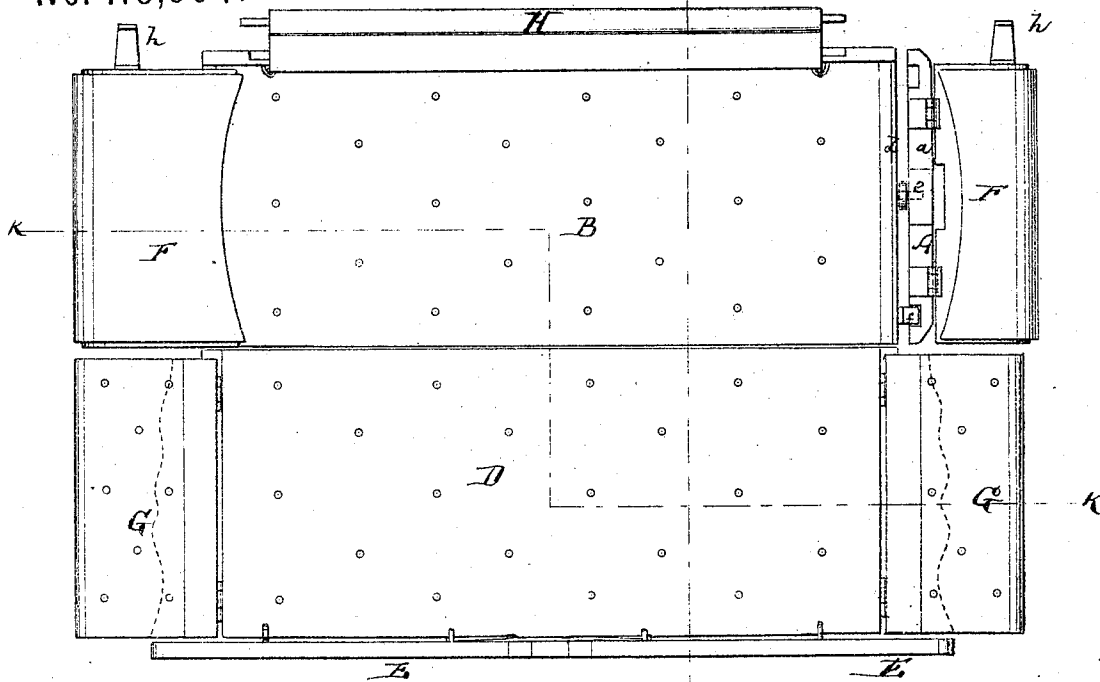


Fig. 5.

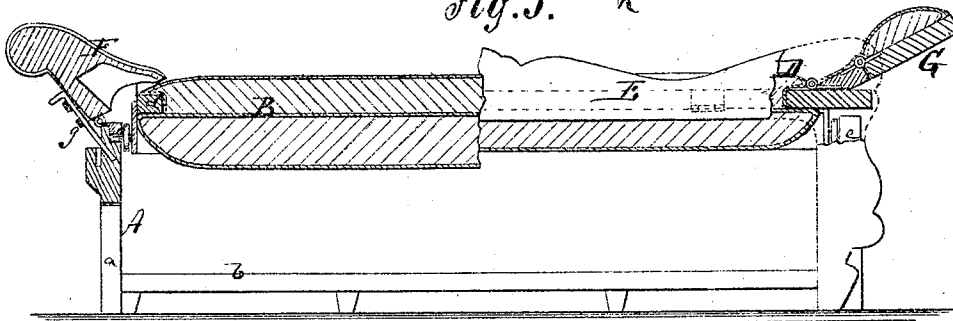
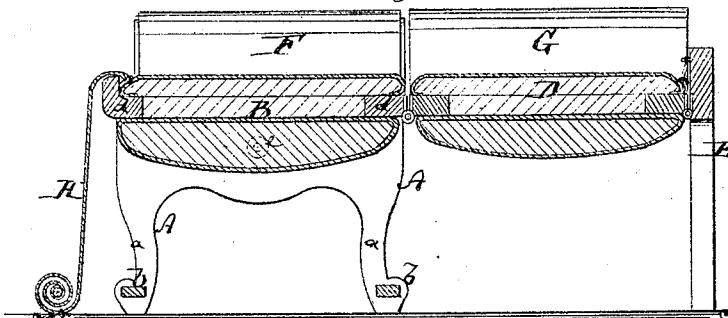


Fig. 6.



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UNITED STATES PATENT OFFICE.

JULIUS WERNER, OF NEW YORK, N. Y.

IMPROVEMENT IN SOFA-BEDS.

Specification forming part of Letters Patent No. 118,994, dated September 12, 1871.

To all whom it may concern:

Be it known that I, JULIUS WERNER, of the city, county, and State of New York, have invented a new and Improved Sofa-Bed; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

Figure 1 represents a front, partly in section, of my improved sofa-bed. Fig. 2 is a plan or top view of the same, partly in section. Fig. 3 is a vertical transverse section of the same on the line *c c*, Fig. 2. Fig. 4 is a plan or top view of the same, showing it extended to form a bed. Fig. 5 is a longitudinal section of the same on the line *k k*, Fig. 4. Fig. 6 is a vertical transverse section of the same on the line *c k*, Fig. 4. Fig. 7 is a detail vertical section of the sofa arm-rest.

Similar letters of reference indicate corresponding parts.

This invention relates to a new sofa-bed of peculiar construction, which, when contracted, will hardly be distinguishable from an ordinary plain sofa or lounge, while, when folded apart, it will form a comfortable and large bed. My invention consists in the improvement of sofa-beds as hereinafter fully described and subsequently pointed out in the claims.

A in the drawing represents the supporting-frame of the sofa. It consists of two end pieces or pairs of legs, *a a*, which are connected by longitudinal bars *b b*, that may be used as foot-rests. B is the sofa-seat. It is formed within or on a wooden or metallic frame, *d*, which has projecting pins or trunnions *e e* at the ends, whereby it is pivoted in the end pieces of the frame A. The seat B is upholstered on one side and prepared as a mattress on the other, so that it may be turned to bring either side to the top, according to the purpose to which it is to be put. For lounges without backs this feature is as valuable as for complete sofas, and constitutes an independent item of invention. *f f* are projecting lugs at the ends of the pivoted seat. They enter notches in the ends of the frame A and serve to sustain the seat in both positions. To the back edge of the sofa-seat B is hinged the sofa-back D, upholstered on both sides. The face is finished for the sofa, and the reverse as a mattress. When the

back is folded down in line with the seat B, as in Fig. 6, the seat having been turned to bring the mattress-side to the top, a large double bed is produced. The legs E for supporting the back D as a mattress are hinged to the upper edge of D, and constitute on the sofa the wooden top and end finish of the upholstered back, as is clearly shown in Fig. 1. Suitable catches may be provided to secure the legs or frame E against the face of the back D on the sofa, and lock it as a support for the extension bed. F F are the head-rests for the sofa. They are hinged to the ends of the frame A, and secured in place by bolts *g g*, which lock them in suitable inclination to said frame. The head-rests lapping over the seat B must be folded back before the seat can be reversed, and are then relocked, being more inclined for the bed than for the sofa, as will appear from Figs. 5 and 1. The head and foot-rests G G, for that part of the bed which is formed by the mattress D, are hinged to the ends of the latter and double-pointed, so that they will be self-supporting, as in Fig. 5. On the sofa these rests G will be behind the back D, as in Fig. 2, covering and concealing the bedding. H is a sheet of fabric secured with one end to the mattress side of the seat B, so that it can be spread under the same and along the mattress-side of the back D, where it is fastened to the top. It serves not only to cover and protect the mattress-portion, but also to retain out of view any bedding that may have to be retained on the sofa. *h h* are hooks projecting from the head-rests F to catch over the edge of the sofa-back, holding the latter in an upright position. Fig. 7 shows a modified arrangement for locking the arm-rest F by a spring-catch, *l*, to a notched projection, *m*, of the frame A.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent—

1. The double-jointed head and foot-rests G, hinged to the ends of the sofa-back, substantially as herein set forth and described.

2. The combination of the pivoted seat B with the hinged back D, frame E, and rests F G, all arranged substantially as herein set forth and described.

Witnesses:

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(35.)