

T. SODEN.
Bed-Lounge.

No. 224,739.

Patented Feb. 17, 1880.

Fig. 1.

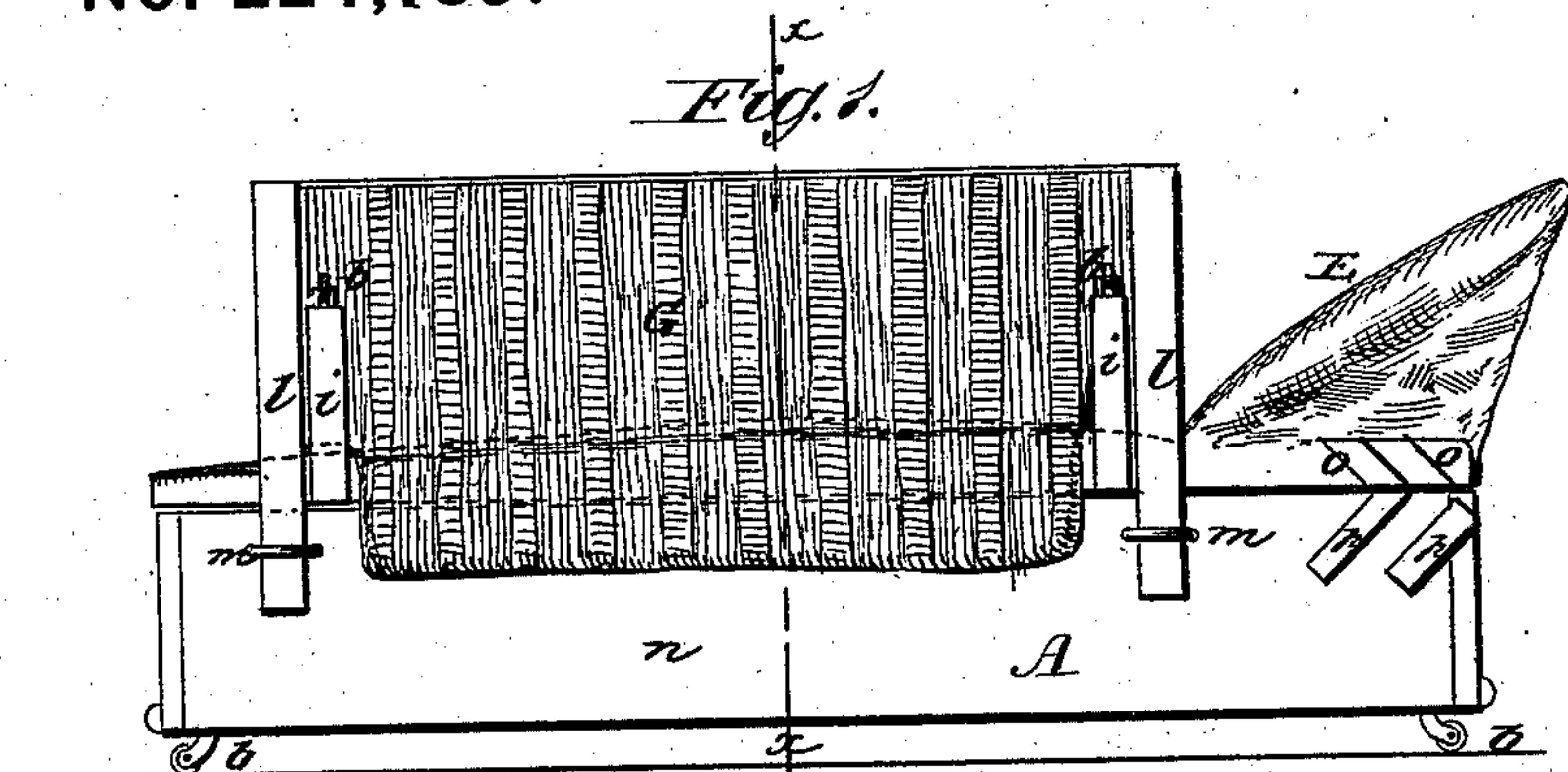


Fig. 2.

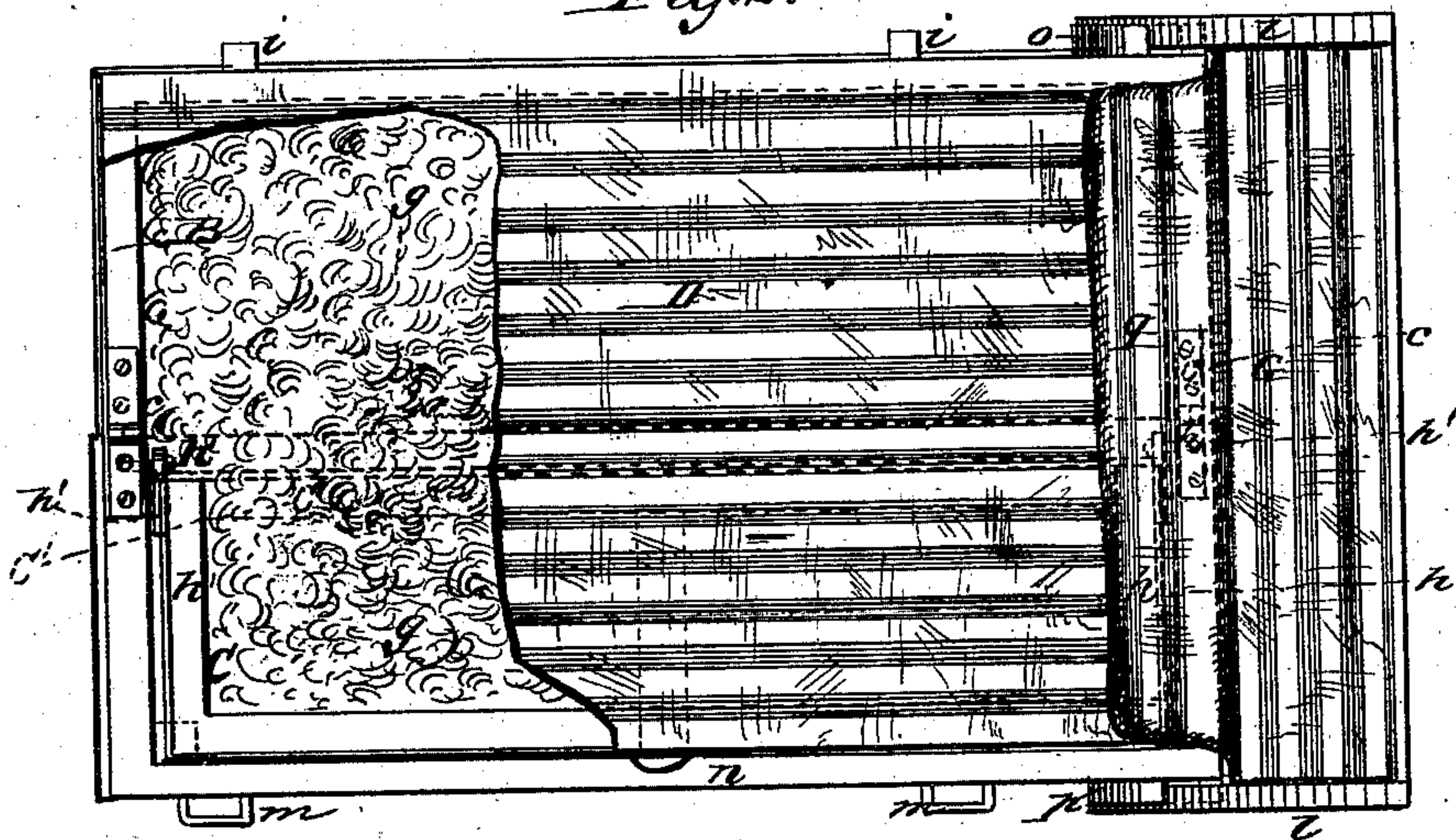


Fig. 3

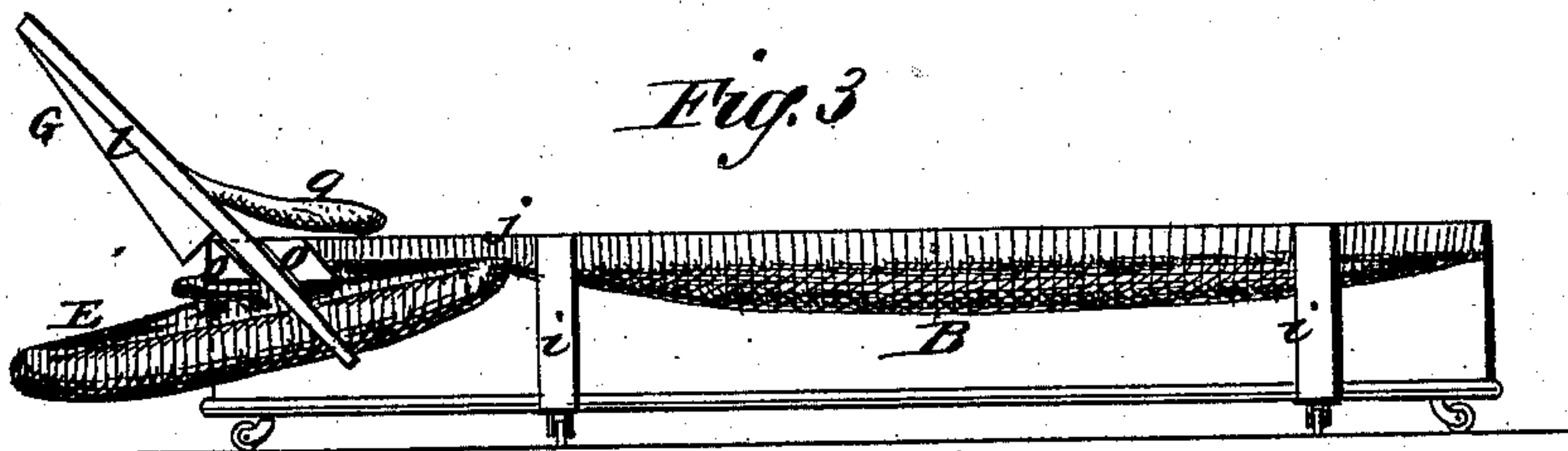
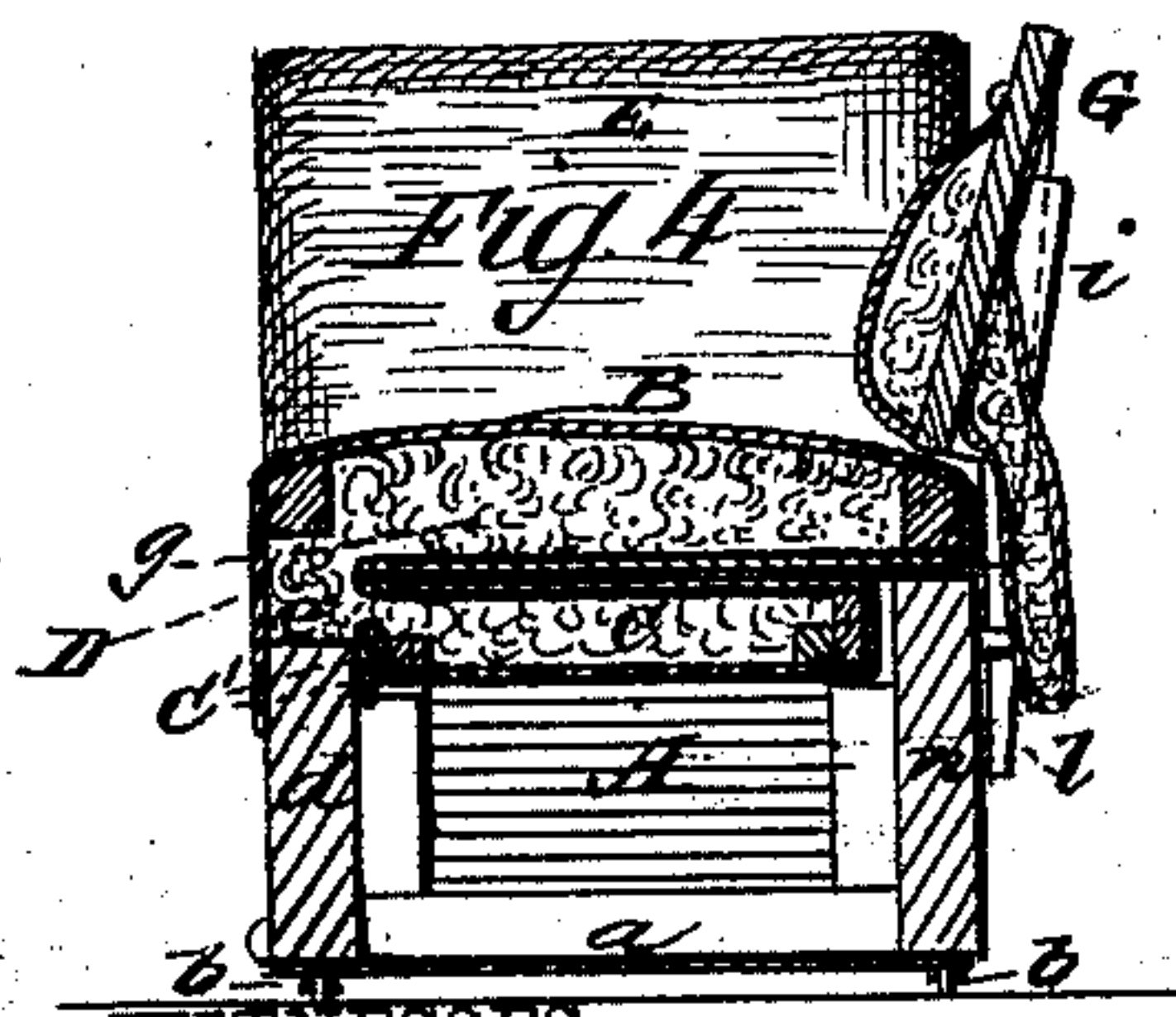


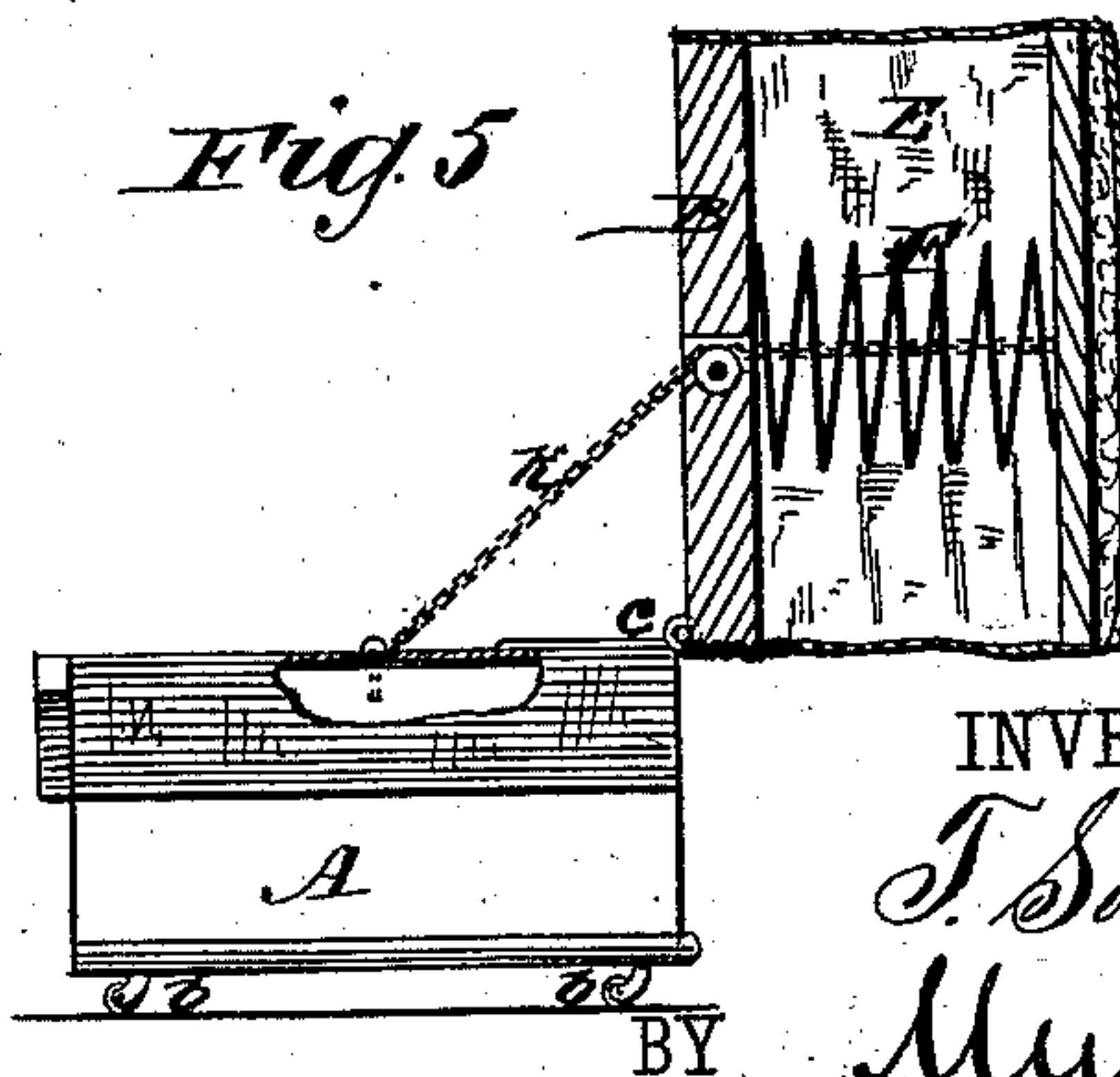
Fig. 4



WITNESSES:

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Fig. 5



INVENTOR:

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UNITED STATES PATENT OFFICE.

THOMAS SODEN, OF NEW YORK, N. Y.

BED-LOUNGE.

SPECIFICATION forming part of Letters Patent No. 224,739, dated February 17, 1880.

Application filed July 30, 1879.

To all whom it may concern:

Be it known that I, THOMAS SODEN, of the city, county, and State of New York, have invented a new and Improved Bed-Lounge, of which the following is a specification.

My invention relates to improvements in the arrangements for transforming the lounge into a bed.

In the accompanying drawings, Figure 1 is a back view of my improvement arranged as a lounge. Fig. 2 is a plan thereof arranged as a bed. Fig. 3 is a side elevation of the same arrangement. Fig. 4 is a cross section on line *x x*, Fig. 1, of the lounge folded or shut up; and Fig. 5 shows the arrangement of the head.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A is the rectangular box forming the frame of the lounge, provided with a bottom, *a*, and supported on casters *b*. B is the top or cushion portion of the lounge, connected with the frame by hinges *c* at the ends.

The adjacent side *d* of the lounge-frame is cut down, as at *e*, between the ends, and the outside cover of the lounge being carried down over the space thus left between the two parts, conceals the same, while the stuffing (designated by the letter *g*) is placed on and over the under side of top B, carried thence over the space between the two parts, and joins that of the part C, attached to the frame, while the cover D extends in one piece over the under side of B and over C, forming thus a mattress with an unbroken surface or "soft center," as it is usually called, as clearly shown in Fig. 2.

Heretofore it has been found difficult to practically combine a receptacle for the bed-clothing in the frame of the lounge with a continuous or soft-centered mattress, one section whereof should serve as a cover for the receptacle, as the hinging of this section to the side interferes with the upholstering of the space between the two sections of the mattress and interferes with the free opening of the receptacle. This difficulty I have overcome in the following manner: I connect the end pieces, *h h*, of the frame of C with the end pieces of the lounge-frame by means of pivots *h' h'*, thus leaving the side C' of said frame

disconnected from the side *d* of the lounge. By this arrangement the stuffing is permitted to be carried over the side *d*, filling the space between the two sections and allowing sufficient freedom of movement to side C' to enable section C to be swung open without obstruction from the stuffing.

To the swinging edge of top B are attached two pieces, *i i*, which serve as legs to support the top when it is opened to form the bed, as in Figs. 2 and 3; but when closed they form stays or braces for the back, as in Figs. 1 and 4. The head E of the lounge forms a part of the top B, and has no connection with the frame. It is connected with the upper side of the top by hinging its lower edges thereto at *j*, while its free end is supported in an inclined position by a strong spring, F. The covering of the lounge top and head conceals the spring and hinges from view. A chain, *k*, has one end connected to the under side of the head and the other passed through the top B and attached firmly to the frame, as shown in Fig. 5. This chain is adjusted so that when the top is opened to form a bed it draws the head toward the top, and thus keeps it from interfering with the opening of the top by coming in contact with the floor, as in Fig. 3.

To give a suitable inclination at the head of the bed to support the pillows, &c., I make use of the back G, which has the end pieces, *l l*, of its frame projected downward beyond the lower edge of the back; and to connect the back with the lounge the ends of these pieces are passed through staples *m m* in the rear side piece, *n*, of the frame, while the braces *i i*, bearing against the back, assist pieces *l l* in supporting the back. The back is thus adapted to be quickly and easily removed, and to apply it to the bed I place on the edge of the top, at the upper end, cleats *o o*, and on *n*, immediately opposite these, other cleats, *p p*, at the same inclination. Now, by placing the end pieces, *l l*, between these cleats, the back G is connected with the bed and held in an inclined position, while the free part *q* of the cushion lies over the joint, as clearly shown in Figs. 2 and 3. By this arrangement an inclined head is provided for the bed, which also serves to increase its length to the extent of the width of the back. The connection be-

tween the back and bed may be such as to hold the back at any desired inclination, or on a level with the bed, if desired.

Another advantage obtained by these arrangements is, in making the back removable the pieces *i i* can be fixed permanently to the top B and provided with casters, so that when arranged as a bed it can be moved about over the floor or carpet without difficulty.

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

1. As an improvement in bed-lounges, the rectangular box A, forming the frame of the lounge, having one side, *d*, cut down, as at *e*, 15 in combination with the top B, hinged to the ends on the side *d* of the frame, forming, when opened, part of the mattress, in combination with part C, pivoted by its end pieces, *h h*, to the ends of the lounge-frame, so as to leave the side C' of the frame of part C unconnected 20 with the side *d*, whereby a receptacle is formed for the reception of the bed-clothing, covered by part C of the mattress, and at the same time a continuous or soft-centered mattress is 25 provided without interfering with the opening of the receptacle, substantially as described.

2. In combination with top B, the hinged head E, spring F for supporting it in an inclined position, and chain *k*, one end of the latter being attached to the head and the other running through top B and attached securely to the frame, as specified, so that when top B is opened to form a bed the chain draws the head up against the top B, to keep it from coming in contact with the floor, substantially as described. 30 35

3. The removable back G, with projecting end pieces, *l l*, in combination with the top B, provided with cleats *o o* in its edge at the upper end, and the frame of the lounge, provided on the side opposite the top B and at the same end with cleats *p p*, said cleats adapted to receive the pieces *l l* when the lounge is opened to form a bed, and thus connect the back with the bed to form a head thereto without decreasing its length, substantially as described. 40 45

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Witnesses:

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